

Schema documentation for LDD_cart_1400.xsd

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Table of Contents

Resource hierarchy:	27
Namespace: "http://pds.nasa.gov/pds4/cart/v1"	27
Schema(s)	27
Main schema LDD_cart_1400.xsd	27
Element(s)	27
Element cart:Bounding_Coordinates	27
Element cart:Bounding_Coordinates / cart:west_bounding_coordinate	28
Element cart:Bounding_Coordinates / cart:east_bounding_coordinate	28
Element cart:Bounding_Coordinates / cart:north_bounding_coordinate	29
Element cart:Bounding_Coordinates / cart:south_bounding_coordinate	29
Element cart:Cartography	30
Element cart:Cartography / cart:Spatial_Domain	30
Element cart:Spatial_Domain / cart:Bounding_Coordinates	31
Element cart:Cartography / cart:Spatial_Reference_Information	31
Element cart:Spatial_Reference_Information / cart:Horizontal_Coordinate_System_Definition	32
Element cart:Horizontal_Coordinate_System_Definition / cart:Geographic	32
Element cart:Geographic / cart:latitude_resolution	32
Element cart:Geographic / cart:longitude_resolution	33
Element cart:Horizontal_Coordinate_System_Definition / cart:Local	34
Element cart:Local / cart:local_description	34
Element cart:Local / cart:local_georeference_information	34
Element cart:Horizontal_Coordinate_System_Definition / cart:Planar	35
Element cart:Planar / cart:Grid_Coordinate_System	35
Element cart:Grid_Coordinate_System / cart:grid_coordinate_system_name	36
Element cart:Grid_Coordinate_System / cart:Universal_Transverse_Mercator	36
Element cart:Universal_Transverse_Mercator / cart:utm_zone_number	37
Element cart:Universal_Transverse_Mercator / cart:Transverse_Mercator	37
Element cart:Map_Projection_Base / cart:straight_vertical_longitude_from_pole	39
Element cart:Map_Projection_Base / cart:standard_parallel	39
Element cart:Map_Projection_Base / cart:scale_factor_at_projection_origin	40
Element cart:Map_Projection_Base / cart:scale_factor_at_center_line	40
Element cart:Map_Projection_Base / cart:scale_factor_at_central_meridian	41
Element cart:Map_Projection_Base / cart:longitude_of_central_meridian	41
Element cart:Map_Projection_Base / cart:Oblique_Line_Azimuth	42
Element cart:Oblique_Line_Azimuth / cart:azimuthal_angle	42
Element cart:Oblique_Line_Azimuth / cart:azimuth_measure_point_longitude	42
Element cart:Map_Projection_Base / cart:Oblique_Line_Point	43
Element cart:Oblique_Line_Point / cart:Oblique_Line_Point_Group	43
Element cart:Oblique_Line_Point_Group / cart:oblique_line_latitude	44
Element cart:Oblique_Line_Point_Group / cart:oblique_line_longitude	44
Element cart:Map_Projection_Base / cart:latitude_of_projection_origin	45
Element cart:Transverse_Mercator / cart:straight_vertical_longitude_from_pole	45
Element cart:Transverse_Mercator / cart:standard_parallel	46
Element cart:Transverse_Mercator / cart:scale_factor_at_projection_origin	46
Element cart:Transverse_Mercator / cart:scale_factor_at_center_line	47
Element cart:Transverse_Mercator / cart:scale_factor_at_central_meridian	47
Element cart:Transverse_Mercator / cart:longitude_of_central_meridian	47
Element cart:Transverse_Mercator / cart:Oblique_Line_Azimuth	48
Element cart:Transverse_Mercator / cart:Oblique_Line_Point	48
Element cart:Transverse_Mercator / cart:latitude_of_projection_origin	49
Element cart:Grid_Coordinate_System / cart:Universal_Polar_Stereographic	49
Element cart:Universal_Polar_Stereographic / cart:ups_zone_identifier	50
Element cart:Universal_Polar_Stereographic / cart:Polar_Stereographic	50
Element cart:Polar_Stereographic / cart:straight_vertical_longitude_from_pole	52
Element cart:Polar_Stereographic / cart:standard_parallel	52
Element cart:Polar_Stereographic / cart:scale_factor_at_projection_origin	53
Element cart:Polar_Stereographic / cart:scale_factor_at_center_line	53
Element cart:Polar_Stereographic / cart:scale_factor_at_central_meridian	54
Element cart:Polar_Stereographic / cart:longitude_of_central_meridian	54

Element cart:Polar_Stereographic / cart:Oblique_Line_Azimuth.....	55
Element cart:Polar_Stereographic / cart:Oblique_Line_Point.....	55
Element cart:Polar_Stereographic / cart:latitude_of_projection_origin.....	55
Element cart:Grid_Coordinate_System / cart:State_Plane_Coordinate_System.....	56
Element cart:State_Plane_Coordinate_System / cart:spcs_zone_identifier.....	56
Element cart:State_Plane_Coordinate_System / cart:Lambert_Conformal_Conic.....	57
Element cart:Lambert_Conformal_Conic / cart:straight_vertical_longitude_from_pole.....	59
Element cart:Lambert_Conformal_Conic / cart:standard_parallel.....	59
Element cart:Lambert_Conformal_Conic / cart:scale_factor_at_projection_origin.....	60
Element cart:Lambert_Conformal_Conic / cart:scale_factor_at_center_line.....	60
Element cart:Lambert_Conformal_Conic / cart:scale_factor_at_central_meridian.....	60
Element cart:Lambert_Conformal_Conic / cart:longitude_of_central_meridian.....	61
Element cart:Lambert_Conformal_Conic / cart:Oblique_Line_Azimuth.....	61
Element cart:Lambert_Conformal_Conic / cart:Oblique_Line_Point.....	62
Element cart:Lambert_Conformal_Conic / cart:latitude_of_projection_origin.....	62
Element cart:State_Plane_Coordinate_System / cart:Oblique_Mercator.....	63
Element cart:Oblique_Mercator / cart:straight_vertical_longitude_from_pole.....	65
Element cart:Oblique_Mercator / cart:standard_parallel.....	65
Element cart:Oblique_Mercator / cart:scale_factor_at_projection_origin.....	66
Element cart:Oblique_Mercator / cart:scale_factor_at_center_line.....	66
Element cart:Oblique_Mercator / cart:scale_factor_at_central_meridian.....	66
Element cart:Oblique_Mercator / cart:longitude_of_central_meridian.....	67
Element cart:Oblique_Mercator / cart:Oblique_Line_Azimuth.....	67
Element cart:Oblique_Mercator / cart:Oblique_Line_Point.....	68
Element cart:Oblique_Mercator / cart:latitude_of_projection_origin.....	68
Element cart:State_Plane_Coordinate_System / cart:Polyconic.....	69
Element cart:Polyconic / cart:straight_vertical_longitude_from_pole.....	71
Element cart:Polyconic / cart:standard_parallel.....	71
Element cart:Polyconic / cart:scale_factor_at_projection_origin.....	72
Element cart:Polyconic / cart:scale_factor_at_center_line.....	72
Element cart:Polyconic / cart:scale_factor_at_central_meridian.....	72
Element cart:Polyconic / cart:longitude_of_central_meridian.....	73
Element cart:Polyconic / cart:Oblique_Line_Azimuth.....	73
Element cart:Polyconic / cart:Oblique_Line_Point.....	74
Element cart:Polyconic / cart:latitude_of_projection_origin.....	74
Element cart:State_Plane_Coordinate_System / cart:Transverse_Mercator.....	75
Element cart:Planar / cart:Local_Planar.....	77
Element cart:Local_Planar / cart:local_planar_description.....	77
Element cart:Local_Planar / cart:local_planar_georeference_information.....	78
Element cart:Planar / cart:Map_Projection.....	78
Element cart:Map_Projection / cart:map_projection_name.....	79
Element cart:Map_Projection / cart:Equirectangular.....	79
Element cart:Equirectangular / cart:straight_vertical_longitude_from_pole.....	81
Element cart:Equirectangular / cart:standard_parallel.....	81
Element cart:Equirectangular / cart:scale_factor_at_projection_origin.....	82
Element cart:Equirectangular / cart:scale_factor_at_center_line.....	82
Element cart:Equirectangular / cart:scale_factor_at_central_meridian.....	82
Element cart:Equirectangular / cart:longitude_of_central_meridian.....	83
Element cart:Equirectangular / cart:Oblique_Line_Azimuth.....	83
Element cart:Equirectangular / cart:Oblique_Line_Point.....	84
Element cart:Equirectangular / cart:latitude_of_projection_origin.....	84
Element cart:Map_Projection / cart:Lambert_Conformal_Conic.....	85
Element cart:Map_Projection / cart:Oblique_Mercator.....	87
Element cart:Map_Projection / cart:Polar_Stereographic.....	89
Element cart:Map_Projection / cart:Polyconic.....	91
Element cart:Map_Projection / cart:Sinusoidal.....	93
Element cart:Sinusoidal / cart:straight_vertical_longitude_from_pole.....	95
Element cart:Sinusoidal / cart:standard_parallel.....	95
Element cart:Sinusoidal / cart:scale_factor_at_projection_origin.....	96
Element cart:Sinusoidal / cart:scale_factor_at_center_line.....	96
Element cart:Sinusoidal / cart:scale_factor_at_central_meridian.....	96
Element cart:Sinusoidal / cart:longitude_of_central_meridian.....	97
Element cart:Sinusoidal / cart:Oblique_Line_Azimuth.....	97
Element cart:Sinusoidal / cart:Oblique_Line_Point.....	98
Element cart:Sinusoidal / cart:latitude_of_projection_origin.....	98
Element cart:Map_Projection / cart:Transverse_Mercator.....	99
Element cart:Planar / cart:Planar_Coordinate_Information.....	101
Element cart:Planar_Coordinate_Information / cart:planar_coordinate_encoding_method.....	101
Element cart:Planar_Coordinate_Information / cart:Coordinate_Representation.....	102
Element cart:Coordinate_Representation / cart:abscissa_resolution.....	102
Element cart:Coordinate_Representation / cart:ordinate_resolution.....	103
Element cart:Planar_Coordinate_Information / cart:Distance_and_Bearing_Representation.....	103

Element cart:Distance_and_Bearing_Representation / cart:distance_resolution	104
Element cart:Distance_and_Bearing_Representation / cart:bearing_resolution	104
Element cart:Distance_and_Bearing_Representation / cart:bearing_reference_direction	105
Element cart:Distance_and_Bearing_Representation / cart:bearing_reference_meridian	105
Element cart:Planar / cart:Geo_Transformation	106
Element cart:Geo_Transformation / cart:upperleft_corner_x	106
Element cart:Geo_Transformation / cart:upperleft_corner_y	106
Element cart:Horizontal_Coordinate_System_Definition / cart:Geodetic_Model	107
Element cart:Geodetic_Model / cart:horizontal_datum_name	108
Element cart:Geodetic_Model / cart:ellipsoid_name	108
Element cart:Geodetic_Model / cart:reference_frame_name	108
Element cart:Geodetic_Model / cart:semi_major_radius	109
Element cart:Geodetic_Model / cart:semi_minor_radius	109
Element cart:Geodetic_Model / cart:polar_radius	110
Element cart:Geodetic_Model / cart:longitude_direction	111
Element cart:Coordinate_Representation	111
Element cart:Distance_and_Bearing_Representation	111
Element cart:Equirectangular	112
Element cart:Geodetic_Model	114
Element cart:Geographic	114
Element cart:Grid_Coordinate_System	115
Element cart:Horizontal_Coordinate_System_Definition	115
Element cart:Lambert_Conformal_Conic	116
Element cart:Local	118
Element cart:Local_Planar	118
Element cart:Map_Projection	119
Element cart:Map_Projection_Base	119
Element cart:Oblique_Line_Azimuth	120
Element cart:Oblique_Line_Point	121
Element cart:Oblique_Line_Point_Group	121
Element cart:Oblique_Mercator	121
Element cart:Planar	123
Element cart:Planar_Coordinate_Information	123
Element cart:Polar_Stereographic	124
Element cart:Polyconic	126
Element cart:Sinusoidal	128
Element cart:Spatial_Domain	130
Element cart:Spatial_Reference_Information	130
Element cart:State_Plane_Coordinate_System	130
Element cart:Transverse_Mercator	131
Element cart:Universal_Polar_Stereographic	133
Element cart:Universal_Transverse_Mercator	133
Complex Type(s)	134
Complex Type cart:Bounding_Coordinates	134
Complex Type cart:west_bounding_coordinate	134
Complex Type cart:east_bounding_coordinate	135
Complex Type cart:north_bounding_coordinate	135
Complex Type cart:south_bounding_coordinate	136
Complex Type cart:Cartography	136
Complex Type cart:Spatial_Domain	137
Complex Type cart:Spatial_Reference_Information	137
Complex Type cart:Horizontal_Coordinate_System_Definition	138
Complex Type cart:Geographic	138
Complex Type cart:latitude_resolution	139
Complex Type cart:longitude_resolution	139
Complex Type cart:Local	140
Complex Type cart:Planar	140
Complex Type cart:Grid_Coordinate_System	141
Complex Type cart:Universal_Transverse_Mercator	142
Complex Type cart:Transverse_Mercator	142
Complex Type cart:Map_Projection_Base	144
Complex Type cart:straight_vertical_longitude_from_pole	145
Complex Type cart:standard_parallel	146
Complex Type cart:longitude_of_central_meridian	146
Complex Type cart:Oblique_Line_Azimuth	147
Complex Type cart:azimuthal_angle	147
Complex Type cart:azimuth_measure_point_longitude	148
Complex Type cart:Oblique_Line_Point	149
Complex Type cart:Oblique_Line_Point_Group	149
Complex Type cart:oblique_line_latitude	149
Complex Type cart:oblique_line_longitude	150
Complex Type cart:latitude_of_projection_origin	151

Complex Type cart:Universal_Polar_Stereographic	151
Complex Type cart:Polar_Stereographic	152
Complex Type cart:State_Plane_Coordinate_System	153
Complex Type cart:Lambert_Conformal_Conic	154
Complex Type cart:Oblique_Mercator	156
Complex Type cart:Polyconic	158
Complex Type cart:Local_Planar	160
Complex Type cart:Map_Projection	161
Complex Type cart:Equirectangular	161
Complex Type cart:Sinusoidal	163
Complex Type cart:Planar_Coordinate_Information	165
Complex Type cart:Coordinate_Representation	166
Complex Type cart:abscissa_resolution	166
Complex Type cart:ordinate_resolution	167
Complex Type cart:Distance_and_Bearing_Representation	167
Complex Type cart:distance_resolution	168
Complex Type cart:bearing_resolution	168
Complex Type cart:Geo_Transformation	169
Complex Type cart:upperleft_corner_x	169
Complex Type cart:upperleft_corner_y	170
Complex Type cart:Geodetic_Model	170
Complex Type cart:semi_major_radius	171
Complex Type cart:semi_minor_radius	172
Complex Type cart:polar_radius	172
Simple Type(s)	173
Simple Type cart:west_bounding_coordinate_WO_Units	173
Simple Type cart:east_bounding_coordinate_WO_Units	173
Simple Type cart:north_bounding_coordinate_WO_Units	174
Simple Type cart:south_bounding_coordinate_WO_Units	174
Simple Type cart:latitude_resolution_WO_Units	174
Simple Type cart:longitude_resolution_WO_Units	175
Simple Type cart:local_description	175
Simple Type cart:local_georeference_information	175
Simple Type cart:grid_coordinate_system_name	176
Simple Type cart:utm_zone_number	176
Simple Type cart:straight_vertical_longitude_from_pole_WO_Units	177
Simple Type cart:standard_parallel_WO_Units	177
Simple Type cart:scale_factor_at_projection_origin	178
Simple Type cart:scale_factor_at_center_line	178
Simple Type cart:scale_factor_at_central_meridian	179
Simple Type cart:longitude_of_central_meridian_WO_Units	179
Simple Type cart:azimuthal_angle_WO_Units	179
Simple Type cart:azimuth_measure_point_longitude_WO_Units	180
Simple Type cart:oblique_line_latitude_WO_Units	180
Simple Type cart:oblique_line_longitude_WO_Units	180
Simple Type cart:latitude_of_projection_origin_WO_Units	181
Simple Type cart:ups_zone_identifier	181
Simple Type cart:spcs_zone_identifier	182
Simple Type cart:local_planar_description	182
Simple Type cart:local_planar_georeference_information	183
Simple Type cart:map_projection_name	183
Simple Type cart:planar_coordinate_encoding_method	184
Simple Type cart:abscissa_resolution_WO_Units	184
Simple Type cart:ordinate_resolution_WO_Units	184
Simple Type cart:distance_resolution_WO_Units	185
Simple Type cart:bearing_resolution_WO_Units	185
Simple Type cart:bearing_reference_direction	185
Simple Type cart:bearing_reference_meridian	186
Simple Type cart:upperleft_corner_x_WO_Units	186
Simple Type cart:upperleft_corner_y_WO_Units	186
Simple Type cart:horizontal_datum_name	187
Simple Type cart:ellipsoid_name	187
Simple Type cart:reference_frame_name	188
Simple Type cart:semi_major_radius_WO_Units	188
Simple Type cart:semi_minor_radius_WO_Units	188
Simple Type cart:polar_radius_WO_Units	189
Simple Type cart:longitude_direction	189
Namespace: "http://pds.nasa.gov/pds4/pds/v1"	190
Schema(s)	190
Imported schema PDS4_PDS_1400.xsd	190
Element(s)	190
Element pds:Ingest_LDD	190

Element pds:Ingest_LDD / pds:name	191
Element pds:Ingest_LDD / pds:ldd_version_id	191
Element pds:Ingest_LDD / pds:full_name	192
Element pds:Ingest_LDD / pds:steward_id	192
Element pds:Ingest_LDD / pds:namespace_id	192
Element pds:Ingest_LDD / pds:external_property_maps_id	193
Element pds:Ingest_LDD / pds:comment	193
Element pds:Ingest_LDD / pds:last_modification_date_time	193
Element pds:Ingest_LDD / pds:DD_Attribute	194
Element pds:DD_Attribute / pds:name	195
Element pds:DD_Attribute / pds:version_id	195
Element pds:DD_Attribute / pds:local_identifier	196
Element pds:DD_Attribute / pds:nillable_flag	196
Element pds:DD_Attribute / pds:submitter_name	196
Element pds:DD_Attribute / pds:definition	197
Element pds:DD_Attribute / pds:comment	197
Element pds:DD_Attribute / pds:Internal_Reference	197
Element pds:Internal_Reference / pds:lid_reference	198
Element pds:Internal_Reference / pds:lidvid_reference	198
Element pds:Internal_Reference / pds:reference_type	199
Element pds:Internal_Reference / pds:comment	199
Element pds:DD_Attribute / pds:Terminological_Entry	199
Element pds:Terminological_Entry / pds:name	200
Element pds:Terminological_Entry / pds:definition	200
Element pds:Terminological_Entry / pds:language	201
Element pds:Terminological_Entry / pds:preferred_flag	201
Element pds:Terminological_Entry / pds:instance_id	201
Element pds:Terminological_Entry / pds:External_Reference_Extended	202
Element pds:External_Reference / pds:doi	202
Element pds:External_Reference / pds:reference_text	203
Element pds:External_Reference / pds:description	203
Element pds:External_Reference_Extended / pds:name	204
Element pds:External_Reference_Extended / pds:url	204
Element pds:DD_Attribute / pds:DD_Value_Domain	204
Element pds:DD_Value_Domain / pds:enumeration_flag	205
Element pds:DD_Value_Domain / pds:value_data_type	206
Element pds:DD_Value_Domain / pds:formation_rule	206
Element pds:DD_Value_Domain / pds:minimum_characters	206
Element pds:DD_Value_Domain / pds:maximum_characters	207
Element pds:DD_Value_Domain / pds:minimum_value	207
Element pds:DD_Value_Domain / pds:maximum_value	207
Element pds:DD_Value_Domain / pds:pattern	208
Element pds:DD_Value_Domain / pds:unit_of_measure_type	208
Element pds:DD_Value_Domain / pds:specified_unit_id	209
Element pds:DD_Value_Domain / pds:DD_Permissible_Value	209
Element pds:DD_Permissible_Value / pds:value	209
Element pds:DD_Permissible_Value / pds:value_meaning	210
Element pds:DD_Permissible_Value / pds:Terminological_Entry	210
Element pds:Ingest_LDD / pds:DD_Class	211
Element pds:DD_Class / pds:name	211
Element pds:DD_Class / pds:version_id	212
Element pds:DD_Class / pds:local_identifier	212
Element pds:DD_Class / pds:submitter_name	213
Element pds:DD_Class / pds:definition	213
Element pds:DD_Class / pds:abstract_flag	213
Element pds:DD_Class / pds:element_flag	214
Element pds:DD_Class / pds:Internal_Reference	214
Element pds:DD_Class / pds:DD_Association	214
Element pds:DD_Association / pds:local_identifier	215
Element pds:DD_Association / pds:reference_type	215
Element pds:DD_Association / pds:minimum_occurrences	216
Element pds:DD_Association / pds:maximum_occurrences	216
Element pds:DD_Association / pds:constant_value	217
Element pds:DD_Association / pds:DD_Attribute_Reference	217
Element pds:DD_Attribute_Reference / pds:namespace_id	217
Element pds:DD_Attribute_Reference / pds:name	218
Element pds:DD_Association / pds:DD_Class_Reference	218
Element pds:DD_Class_Reference / pds:namespace_id	218
Element pds:DD_Class_Reference / pds:name	219
Element pds:DD_Class / pds:DD_Association_External	219
Element pds:DD_Association_External / pds:name	220
Element pds:DD_Association_External / pds:namespace_id	220

Element pds:DD_Association_External / pds:reference_type	220
Element pds:DD_Association_External / pds:minimum_occurrences	221
Element pds:DD_Association_External / pds:maximum_occurrences	221
Element pds:DD_Class / pds:Terminological_Entry	222
Element pds:Ingest_LDD / pds:DD_Rule	222
Element pds:DD_Rule / pds:local_identifier	223
Element pds:DD_Rule / pds:rule_context	223
Element pds:DD_Rule / pds:rule_assign	223
Element pds:DD_Rule / pds:DD_Attribute_Reference	224
Element pds:DD_Rule / pds:DD_Class_Reference	224
Element pds:DD_Rule / pds:DD_Rule_Statement	225
Element pds:DD_Rule_Statement / pds:rule_type	225
Element pds:DD_Rule_Statement / pds:rule_test	226
Element pds:DD_Rule_Statement / pds:rule_message	226
Element pds:DD_Rule_Statement / pds:rule_description	226
Element pds:DD_Rule_Statement / pds:rule_value	227
Element pds:Ingest_LDD / pds:Property_Maps	227
Element pds:Property_Maps / pds:identifier	228
Element pds:Property_Maps / pds:title	228
Element pds:Property_Maps / pds:namespace_id	228
Element pds:Property_Maps / pds:description	229
Element pds:Property_Maps / pds:external_property_map_id	229
Element pds:Property_Maps / pds:Property_Map	230
Element pds:Property_Map / pds:identifier	230
Element pds:Property_Map / pds:title	231
Element pds:Property_Map / pds:model_object_id	231
Element pds:Property_Map / pds:model_object_type	231
Element pds:Property_Map / pds:instance_id	232
Element pds:Property_Map / pds:external_namespace_id	232
Element pds:Property_Map / pds:description	232
Element pds:Property_Map / pds:Property_Map_Entry	233
Element pds:Property_Map_Entry / pds:property_name	233
Element pds:Property_Map_Entry / pds:property_value	234
Element pds:Product_AIP	234
Element pds:Product / pds:Identification_Area	235
Element pds:Identification_Area / pds:logical_identifier	235
Element pds:Identification_Area / pds:version_id	236
Element pds:Identification_Area / pds:title	236
Element pds:Identification_Area / pds:information_model_version	236
Element pds:Identification_Area / pds:product_class	237
Element pds:Identification_Area / pds:Alias_List	237
Element pds:Alias_List / pds:Alias	237
Element pds:Alias / pds:alternate_id	238
Element pds:Alias / pds:alternate_title	238
Element pds:Alias / pds:comment	239
Element pds:Identification_Area / pds:Citation_Information	239
Element pds:Citation_Information / pds:author_list	240
Element pds:Citation_Information / pds:editor_list	240
Element pds:Citation_Information / pds:publication_year	240
Element pds:Citation_Information / pds:keyword	241
Element pds:Citation_Information / pds:description	241
Element pds:Identification_Area / pds:Modification_History	241
Element pds:Modification_History / pds:Modification_Detail	242
Element pds:Modification_Detail / pds:modification_date	242
Element pds:Modification_Detail / pds:version_id	243
Element pds:Modification_Detail / pds:description	243
Element pds:Product_AIP / pds:Reference_List	243
Element pds:Reference_List / pds:Internal_Reference	244
Element pds:Reference_List / pds:External_Reference	244
Element pds:Product_AIP / pds:Information_Package_Component	245
Element pds:Information_Package_Component / pds:checksum_manifest_checksum	245
Element pds:Information_Package_Component / pds:checksum_type	246
Element pds:Information_Package_Component / pds:transfer_manifest_checksum	246
Element pds:Information_Package_Component / pds:Internal_Reference	246
Element pds:Information_Package_Component / pds:File_Area_Checksum_Manifest	247
Element pds:File_Area_Checksum_Manifest / pds:File	248
Element pds:File / pds:file_name	248
Element pds:File / pds:local_identifier	248
Element pds:File / pds:creation_date_time	249
Element pds:File / pds:file_size	250
Element pds:File / pds:records	250
Element pds:File / pds:md5_checksum	250

Element pds:File / pds:comment	251
Element pds:File_Area_Checksum_Manifest / pds:Checksum_Manifest	251
Element pds:Byte_Stream / pds:name	253
Element pds:Byte_Stream / pds:local_identifier	253
Element pds:Parsable_Byte_Stream / pds:offset	253
Element pds:Parsable_Byte_Stream / pds:object_length	254
Element pds:Parsable_Byte_Stream / pds:parsing_standard_id	254
Element pds:Parsable_Byte_Stream / pds:description	255
Element pds:Stream_Text / pds:record_delimiter	255
Element pds:Checksum_Manifest / pds:name	255
Element pds:Checksum_Manifest / pds:local_identifier	256
Element pds:Checksum_Manifest / pds:offset	256
Element pds:Checksum_Manifest / pds:object_length	257
Element pds:Checksum_Manifest / pds:parsing_standard_id	257
Element pds:Checksum_Manifest / pds:description	257
Element pds:Checksum_Manifest / pds:record_delimiter	258
Element pds:Information_Package_Component / pds:File_Area_Transfer_Manifest	258
Element pds:File_Area_Transfer_Manifest / pds:File	259
Element pds:File_Area_Transfer_Manifest / pds:Transfer_Manifest	259
Element pds:Table_Base / pds:offset	261
Element pds:Table_Base / pds:records	261
Element pds:Table_Base / pds:description	261
Element pds:Table_Character / pds:record_delimiter	262
Element pds:Table_Character / pds:Uniformly_Sampled	262
Element pds:Uniformly_Sampled / pds:sampling_parameter_name	263
Element pds:Uniformly_Sampled / pds:sampling_parameter_interval	263
Element pds:Uniformly_Sampled / pds:sampling_parameter_unit	263
Element pds:Uniformly_Sampled / pds:first_sampling_parameter_value	264
Element pds:Uniformly_Sampled / pds:last_sampling_parameter_value	264
Element pds:Uniformly_Sampled / pds:sampling_parameter_scale	264
Element pds:Table_Character / pds:Record_Character	265
Element pds:Record / pds:fields	265
Element pds:Record / pds:groups	266
Element pds:Record_Character / pds:record_length	266
Element pds:Record_Character / pds:Field_Character	267
Element pds:Field / pds:name	268
Element pds:Field / pds:field_number	268
Element pds:Field_Character / pds:field_location	268
Element pds:Field_Character / pds:data_type	269
Element pds:Field_Character / pds:field_length	269
Element pds:Field_Character / pds:field_format	270
Element pds:Field_Character / pds:unit	270
Element pds:Field_Character / pds:scaling_factor	270
Element pds:Field_Character / pds:value_offset	271
Element pds:Field_Character / pds:description	271
Element pds:Field_Character / pds:Special_Constants	271
Element pds:Special_Constants / pds:saturated_constant	272
Element pds:Special_Constants / pds:missing_constant	273
Element pds:Special_Constants / pds:error_constant	273
Element pds:Special_Constants / pds:invalid_constant	273
Element pds:Special_Constants / pds:unknown_constant	274
Element pds:Special_Constants / pds:not_applicable_constant	274
Element pds:Special_Constants / pds:valid_maximum	275
Element pds:Special_Constants / pds:high_instrument_saturation	275
Element pds:Special_Constants / pds:high_representation_saturation	275
Element pds:Special_Constants / pds:valid_minimum	276
Element pds:Special_Constants / pds:low_instrument_saturation	276
Element pds:Special_Constants / pds:low_representation_saturation	277
Element pds:Field_Character / pds:Field_Statistics	277
Element pds:Field_Statistics / pds:local_identifier	278
Element pds:Field_Statistics / pds:maximum	278
Element pds:Field_Statistics / pds:minimum	278
Element pds:Field_Statistics / pds:mean	279
Element pds:Field_Statistics / pds:standard_deviation	279
Element pds:Field_Statistics / pds:median	279
Element pds:Field_Statistics / pds:description	280
Element pds:Record_Character / pds:Group_Field_Character	280
Element pds:Group / pds:name	281
Element pds:Group / pds:group_number	281
Element pds:Group / pds:repetitions	281
Element pds:Group / pds:fields	282
Element pds:Group / pds:groups	282

Element pds:Group / pds:description	282
Element pds:Group_Field_Character / pds:group_location	283
Element pds:Group_Field_Character / pds:group_length	283
Element pds:Group_Field_Character / pds:Field_Character	284
Element pds:Group_Field_Character / pds:Group_Field_Character	285
Element pds:Transfer_Manifest / pds:name	285
Element pds:Transfer_Manifest / pds:local_identifier	286
Element pds:Transfer_Manifest / pds:offset	286
Element pds:Transfer_Manifest / pds:records	287
Element pds:Transfer_Manifest / pds:description	287
Element pds:Transfer_Manifest / pds:record_delimiter	287
Element pds:Transfer_Manifest / pds:Uniformly_Sampled	288
Element pds:Transfer_Manifest / pds:Record_Character	288
Element pds:Product_AIP / pds:Archival_Information_Package	289
Element pds:Information_Package / pds:description	289
Element pds:Archival_Information_Package / pds:description	290
Element pds:Product_Attribute_Definition	290
Element pds:Product_Attribute_Definition / pds:Reference_List	291
Element pds:Product_Attribute_Definition / pds:DD_Attribute_Full	291
Element pds:DD_Attribute_Full / pds:name	292
Element pds:DD_Attribute_Full / pds:version_id	292
Element pds:DD_Attribute_Full / pds:class_name	293
Element pds:DD_Attribute_Full / pds:local_identifier	293
Element pds:DD_Attribute_Full / pds:steward_id	293
Element pds:DD_Attribute_Full / pds:type	294
Element pds:DD_Attribute_Full / pds:namespace_id	294
Element pds:DD_Attribute_Full / pds:nillable_Flag	295
Element pds:DD_Attribute_Full / pds:submitter_name	295
Element pds:DD_Attribute_Full / pds:definition	295
Element pds:DD_Attribute_Full / pds:comment	296
Element pds:DD_Attribute_Full / pds:registered_by	296
Element pds:DD_Attribute_Full / pds:registration_authority_id	296
Element pds:DD_Attribute_Full / pds:attribute_concept	297
Element pds:DD_Attribute_Full / pds:Terminological_Entry	297
Element pds:DD_Attribute_Full / pds:DD_Value_Domain_Full	298
Element pds:DD_Value_Domain_Full / pds:enumeration_flag	298
Element pds:DD_Value_Domain_Full / pds:value_data_type	299
Element pds:DD_Value_Domain_Full / pds:formation_rule	299
Element pds:DD_Value_Domain_Full / pds:minimum_characters	299
Element pds:DD_Value_Domain_Full / pds:maximum_characters	300
Element pds:DD_Value_Domain_Full / pds:minimum_value	300
Element pds:DD_Value_Domain_Full / pds:maximum_value	301
Element pds:DD_Value_Domain_Full / pds:pattern	301
Element pds:DD_Value_Domain_Full / pds:unit_of_measure_type	301
Element pds:DD_Value_Domain_Full / pds:conceptual_domain	302
Element pds:DD_Value_Domain_Full / pds:specified_unit_id	302
Element pds:DD_Value_Domain_Full / pds:DD_Permissible_Value_Full	302
Element pds:DD_Permissible_Value_Full / pds:value	303
Element pds:DD_Permissible_Value_Full / pds:value_meaning	303
Element pds:DD_Permissible_Value_Full / pds:value_begin_date	304
Element pds:DD_Permissible_Value_Full / pds:value_end_date	304
Element pds:DD_Permissible_Value_Full / pds:Terminological_Entry	305
Element pds:Product_Browse	306
Element pds:Product_Browse / pds:Reference_List	306
Element pds:Product_Browse / pds:File_Area_Browse	307
Element pds:File_Area_Browse / pds:File	308
Element pds:File_Area_Browse / pds:Array	309
Element pds:Array / pds:offset	309
Element pds:Array / pds:axes	310
Element pds:Array / pds:axis_index_order	310
Element pds:Array / pds:description	311
Element pds:Array / pds:Element_Array	311
Element pds:Element_Array / pds:data_type	311
Element pds:Element_Array / pds:unit	312
Element pds:Element_Array / pds:scaling_factor	312
Element pds:Element_Array / pds:value_offset	313
Element pds:Array / pds:Axis_Array	313
Element pds:Axis_Array / pds:axis_name	313
Element pds:Axis_Array / pds:local_identifier	314
Element pds:Axis_Array / pds:elements	314
Element pds:Axis_Array / pds:unit	314
Element pds:Axis_Array / pds:sequence_number	315

Element pds:Axis_Array / pds:Band_Bin_Set	315
Element pds:Band_Bin_Set / pds:Band_Bin	316
Element pds:Band_Bin / pds:band_number	316
Element pds:Band_Bin / pds:band_width	317
Element pds:Band_Bin / pds:center_wavelength	317
Element pds:Band_Bin / pds:detector_number	318
Element pds:Band_Bin / pds:filter_number	318
Element pds:Band_Bin / pds:grating_position	318
Element pds:Band_Bin / pds:original_band	319
Element pds:Band_Bin / pds:standard_deviation	319
Element pds:Band_Bin / pds:scaling_factor	319
Element pds:Band_Bin / pds:value_offset	320
Element pds:Array / pds:Special_Constants	320
Element pds:Array / pds:Object_Statistics	321
Element pds:Object_Statistics / pds:local_identifier	321
Element pds:Object_Statistics / pds:maximum	322
Element pds:Object_Statistics / pds:minimum	322
Element pds:Object_Statistics / pds:mean	322
Element pds:Object_Statistics / pds:standard_deviation	323
Element pds:Object_Statistics / pds:bit_mask	323
Element pds:Object_Statistics / pds:median	324
Element pds:Object_Statistics / pds:md5_checksum	324
Element pds:Object_Statistics / pds:maximum_scaled_value	324
Element pds:Object_Statistics / pds:minimum_scaled_value	325
Element pds:Object_Statistics / pds:description	325
Element pds:Array / pds:Local_Internal_Reference	325
Element pds:Local_Internal_Reference / pds:comment	326
Element pds:Local_Internal_Reference / pds:local_identifier_reference	326
Element pds:Local_Internal_Reference / pds:local_reference_type	326
Element pds:File_Area_Browse / pds:Array_1D	327
Element pds:Array_1D / pds:name	328
Element pds:Array_1D / pds:local_identifier	328
Element pds:Array_1D / pds:offset	329
Element pds:Array_1D / pds:axes	329
Element pds:Array_1D / pds:axis_index_order	329
Element pds:Array_1D / pds:description	330
Element pds:Array_1D / pds:Element_Array	330
Element pds:Array_1D / pds:Axis_Array	331
Element pds:Array_1D / pds:Special_Constants	331
Element pds:Array_1D / pds:Object_Statistics	332
Element pds:Array_1D / pds:Local_Internal_Reference	333
Element pds:File_Area_Browse / pds:Array_2D	334
Element pds:Array_2D / pds:name	335
Element pds:Array_2D / pds:local_identifier	335
Element pds:Array_2D / pds:offset	336
Element pds:Array_2D / pds:axes	336
Element pds:Array_2D / pds:axis_index_order	336
Element pds:Array_2D / pds:description	337
Element pds:Array_2D / pds:Element_Array	337
Element pds:Array_2D / pds:Axis_Array	338
Element pds:Array_2D / pds:Special_Constants	338
Element pds:Array_2D / pds:Object_Statistics	339
Element pds:Array_2D / pds:Local_Internal_Reference	340
Element pds:File_Area_Browse / pds:Array_2D_Image	341
Element pds:Array_2D_Image / pds:Display_2D_Image	343
Element pds:Display_2D_Image / pds:line_display_direction	343
Element pds:Display_2D_Image / pds:sample_display_direction	344
Element pds:File_Area_Browse / pds:Array_2D_Map	344
Element pds:Array_2D_Map / pds:Display_2D_Image	346
Element pds:File_Area_Browse / pds:Array_2D_Spectrum	346
Element pds:Array_2D_Spectrum / pds:Display_2D_Image	348
Element pds:File_Area_Browse / pds:Array_3D	348
Element pds:Array_3D / pds:name	350
Element pds:Array_3D / pds:local_identifier	350
Element pds:Array_3D / pds:offset	350
Element pds:Array_3D / pds:axes	351
Element pds:Array_3D / pds:axis_index_order	351
Element pds:Array_3D / pds:description	352
Element pds:Array_3D / pds:Element_Array	352
Element pds:Array_3D / pds:Axis_Array	353
Element pds:Array_3D / pds:Special_Constants	353
Element pds:Array_3D / pds:Object_Statistics	354

Element pds:Array_3D / pds:Local_Internal_Reference	355
Element pds:File_Area_Browse / pds:Array_3D_Image	355
Element pds:Array_3D_Image / pds:name	357
Element pds:Array_3D_Image / pds:local_identifier	357
Element pds:Array_3D_Image / pds:offset	358
Element pds:Array_3D_Image / pds:axes	358
Element pds:Array_3D_Image / pds:axis_index_order	359
Element pds:Array_3D_Image / pds:description	359
Element pds:Array_3D_Image / pds:Element_Array	359
Element pds:Array_3D_Image / pds:Axis_Array	360
Element pds:Array_3D_Image / pds:Special_Constants	360
Element pds:Array_3D_Image / pds:Object_Statistics	361
Element pds:Array_3D_Image / pds:Local_Internal_Reference	362
Element pds:File_Area_Browse / pds:Array_3D_Movie	363
Element pds:Array_3D_Movie / pds:name	365
Element pds:Array_3D_Movie / pds:local_identifier	365
Element pds:Array_3D_Movie / pds:offset	366
Element pds:Array_3D_Movie / pds:axes	366
Element pds:Array_3D_Movie / pds:axis_index_order	367
Element pds:Array_3D_Movie / pds:description	367
Element pds:Array_3D_Movie / pds:Element_Array	367
Element pds:Array_3D_Movie / pds:Axis_Array	368
Element pds:Array_3D_Movie / pds:Special_Constants	368
Element pds:Array_3D_Movie / pds:Object_Statistics	369
Element pds:Array_3D_Movie / pds:Local_Internal_Reference	370
Element pds:File_Area_Browse / pds:Array_3D_Spectrum	371
Element pds:Array_3D_Spectrum / pds:name	373
Element pds:Array_3D_Spectrum / pds:local_identifier	373
Element pds:Array_3D_Spectrum / pds:offset	374
Element pds:Array_3D_Spectrum / pds:axes	374
Element pds:Array_3D_Spectrum / pds:axis_index_order	375
Element pds:Array_3D_Spectrum / pds:description	375
Element pds:Array_3D_Spectrum / pds:Element_Array	375
Element pds:Array_3D_Spectrum / pds:Axis_Array	376
Element pds:Array_3D_Spectrum / pds:Special_Constants	376
Element pds:Array_3D_Spectrum / pds:Object_Statistics	377
Element pds:Array_3D_Spectrum / pds:Local_Internal_Reference	378
Element pds:File_Area_Browse / pds:Encoded_Header	379
Element pds:Encoded_Byte_Stream / pds:offset	380
Element pds:Encoded_Byte_Stream / pds:object_length	380
Element pds:Encoded_Byte_Stream / pds:encoding_standard_id	380
Element pds:Encoded_Byte_Stream / pds:description	381
Element pds:Encoded_Header / pds:name	381
Element pds:Encoded_Header / pds:local_identifier	382
Element pds:Encoded_Header / pds:offset	382
Element pds:Encoded_Header / pds:object_length	382
Element pds:Encoded_Header / pds:encoding_standard_id	383
Element pds:Encoded_Header / pds:description	383
Element pds:File_Area_Browse / pds:Encoded_Image	384
Element pds:Encoded_Image / pds:name	385
Element pds:Encoded_Image / pds:local_identifier	385
Element pds:Encoded_Image / pds:offset	385
Element pds:Encoded_Image / pds:object_length	386
Element pds:Encoded_Image / pds:encoding_standard_id	386
Element pds:Encoded_Image / pds:description	387
Element pds:File_Area_Browse / pds:Header	387
Element pds:Header / pds:name	388
Element pds:Header / pds:local_identifier	388
Element pds:Header / pds:offset	389
Element pds:Header / pds:object_length	389
Element pds:Header / pds:parsing_standard_id	390
Element pds:Header / pds:description	390
Element pds:File_Area_Browse / pds:Stream_Text	390
Element pds:File_Area_Browse / pds:Table_Binary	391
Element pds:Table_Binary / pds:record_delimiter	392
Element pds:Table_Binary / pds:Uniformly_Sampled	393
Element pds:Table_Binary / pds:Record_Binary	393
Element pds:Record_Binary / pds:record_length	394
Element pds:Record_Binary / pds:Field_Binary	395
Element pds:Field_Binary / pds:field_location	395
Element pds:Field_Binary / pds:data_type	396
Element pds:Field_Binary / pds:field_length	396

Element pds:Field_Binary / pds:field_format	397
Element pds:Field_Binary / pds:unit	397
Element pds:Field_Binary / pds:scaling_factor	398
Element pds:Field_Binary / pds:value_offset	398
Element pds:Field_Binary / pds:description	398
Element pds:Field_Binary / pds:Special_Constants	399
Element pds:Field_Binary / pds:Field_Statistics	399
Element pds:Field_Binary / pds:Packed_Data_Fields	400
Element pds:Packed_Data_Fields / pds:bit_fields	401
Element pds:Packed_Data_Fields / pds:description	401
Element pds:Packed_Data_Fields / pds:Field_Bit	401
Element pds:Field_Bit / pds:start_bit	402
Element pds:Field_Bit / pds:stop_bit	403
Element pds:Field_Bit / pds:data_type	403
Element pds:Field_Bit / pds:field_format	403
Element pds:Field_Bit / pds:unit	404
Element pds:Field_Bit / pds:scaling_factor	404
Element pds:Field_Bit / pds:value_offset	404
Element pds:Field_Bit / pds:description	405
Element pds:Field_Bit / pds:Special_Constants	405
Element pds:Record_Binary / pds:Group_Field_Binary	406
Element pds:Group_Field_Binary / pds:group_location	407
Element pds:Group_Field_Binary / pds:group_length	407
Element pds:Group_Field_Binary / pds:Field_Binary	408
Element pds:Group_Field_Binary / pds:Group_Field_Binary	409
Element pds:File_Area_Browse / pds:Table_Character	409
Element pds:File_Area_Browse / pds:Table_Delimited	410
Element pds:Table_Delimited / pds:records	411
Element pds:Table_Delimited / pds:record_delimiter	412
Element pds:Table_Delimited / pds:field_delimiter	412
Element pds:Table_Delimited / pds:Uniformly_Sampled	412
Element pds:Table_Delimited / pds:Record_Delimited	413
Element pds:Record_Delimited / pds:maximum_record_length	414
Element pds:Record_Delimited / pds:Field_Delimited	414
Element pds:Field_Delimited / pds:data_type	415
Element pds:Field_Delimited / pds:maximum_field_length	416
Element pds:Field_Delimited / pds:field_format	416
Element pds:Field_Delimited / pds:unit	417
Element pds:Field_Delimited / pds:scaling_factor	417
Element pds:Field_Delimited / pds:value_offset	417
Element pds:Field_Delimited / pds:description	417
Element pds:Field_Delimited / pds:Special_Constants	418
Element pds:Field_Delimited / pds:Field_Statistics	419
Element pds:Record_Delimited / pds:Group_Field_Delimited	419
Element pds:Group_Field_Delimited / pds:Field_Delimited	420
Element pds:Group_Field_Delimited / pds:Group_Field_Delimited	421
Element pds:Product_Bundle	422
Element pds:Product_Bundle / pds:Context_Area	423
Element pds:Context_Area / pds:comment	424
Element pds:Context_Area / pds:Time_Coordinates	424
Element pds:Time_Coordinates / pds:start_date_time	425
Element pds:Time_Coordinates / pds:stop_date_time	425
Element pds:Time_Coordinates / pds:local_mean_solar_time	426
Element pds:Time_Coordinates / pds:local_true_solar_time	426
Element pds:Time_Coordinates / pds:solar_longitude	426
Element pds:Context_Area / pds:Primary_Result_Summary	427
Element pds:Primary_Result_Summary / pds:type	427
Element pds:Primary_Result_Summary / pds:purpose	428
Element pds:Primary_Result_Summary / pds:data_regime	428
Element pds:Primary_Result_Summary / pds:processing_level	429
Element pds:Primary_Result_Summary / pds:processing_level_id	429
Element pds:Primary_Result_Summary / pds:description	429
Element pds:Primary_Result_Summary / pds:Science_Facets	430
Element pds:Science_Facets / pds:wavelength_range	430
Element pds:Science_Facets / pds:domain	431
Element pds:Science_Facets / pds:discipline_name	431
Element pds:Science_Facets / pds:facet1	431
Element pds:Science_Facets / pds:subfacet1	432
Element pds:Science_Facets / pds:facet2	432
Element pds:Science_Facets / pds:subfacet2	432
Element pds:Context_Area / pds:Investigation_Area	432
Element pds:Investigation_Area / pds:name	433

Element pds:Investigation_Area / pds:type	433
Element pds:Investigation_Area / pds:Internal_Reference	434
Element pds:Context_Area / pds:Observing_System	434
Element pds:Observing_System / pds:name	435
Element pds:Observing_System / pds:description	435
Element pds:Observing_System / pds:Observing_System_Component	435
Element pds:Observing_System_Component / pds:name	436
Element pds:Observing_System_Component / pds:type	436
Element pds:Observing_System_Component / pds:description	437
Element pds:Observing_System_Component / pds:Internal_Reference	437
Element pds:Observing_System_Component / pds:External_Reference	437
Element pds:Context_Area / pds:Target_Identification	438
Element pds:Target_Identification / pds:name	438
Element pds:Target_Identification / pds:alternate_designation	439
Element pds:Target_Identification / pds:type	439
Element pds:Target_Identification / pds:description	439
Element pds:Target_Identification / pds:Internal_Reference	440
Element pds:Context_Area / pds:Mission_Area	440
Element pds:Context_Area / pds:Discipline_Area	441
Element pds:Product_Bundle / pds:Reference_List	441
Element pds:Product_Bundle / pds:Bundle	441
Element pds:Bundle / pds:bundle_type	442
Element pds:Bundle / pds:description	442
Element pds:Product_Bundle / pds:File_Area_Text	442
Element pds:File_Area_Text / pds:File	443
Element pds:File_Area_Text / pds:Stream_Text	444
Element pds:Product_Bundle / pds:Bundle_Member_Entry	444
Element pds:Bundle_Member_Entry / pds:lid_reference	445
Element pds:Bundle_Member_Entry / pds:lidvid_reference	445
Element pds:Bundle_Member_Entry / pds:member_status	446
Element pds:Bundle_Member_Entry / pds:reference_type	446
Element pds:Product_Class_Definition	446
Element pds:Product_Class_Definition / pds:Reference_List	447
Element pds:Product_Class_Definition / pds:DD_Class_Full	447
Element pds:DD_Class_Full / pds:name	448
Element pds:DD_Class_Full / pds:version_id	449
Element pds:DD_Class_Full / pds:local_identifer	449
Element pds:DD_Class_Full / pds:steward_id	450
Element pds:DD_Class_Full / pds:type	450
Element pds:DD_Class_Full / pds:namespace_id	450
Element pds:DD_Class_Full / pds:submitter_name	451
Element pds:DD_Class_Full / pds:definition	451
Element pds:DD_Class_Full / pds:comment	451
Element pds:DD_Class_Full / pds:registered_by	452
Element pds:DD_Class_Full / pds:registration_authority_id	452
Element pds:DD_Class_Full / pds:abstract_flag	453
Element pds:DD_Class_Full / pds:element_flag	453
Element pds:DD_Class_Full / pds:DD_Association	453
Element pds:DD_Class_Full / pds:Terminological_Entry	454
Element pds:Product_Collection	454
Element pds:Product_Collection / pds:Context_Area	455
Element pds:Product_Collection / pds:Reference_List	456
Element pds:Product_Collection / pds:Collection	456
Element pds:Collection / pds:collection_type	456
Element pds:Collection / pds:description	457
Element pds:Product_Collection / pds:File_Area_Inventory	457
Element pds:File_Area_Inventory / pds:File	458
Element pds:File_Area_Inventory / pds:Inventory	458
Element pds:Inventory / pds:reference_type	460
Element pds:Product_Context	460
Element pds:Product_Context / pds:Discipline_Area	461
Element pds:Product_Context / pds:Reference_List	461
Element pds:Product_Context / pds:Agency	462
Element pds:Agency / pds:name	462
Element pds:Agency / pds:description	462
Element pds:Product_Context / pds:Facility	463
Element pds:Facility / pds:name	463
Element pds:Facility / pds:type	464
Element pds:Facility / pds:address	464
Element pds:Facility / pds:country	464
Element pds:Facility / pds:description	465
Element pds:Product_Context / pds:Instrument	465

Element pds:Instrument / pds:name	465
Element pds:Instrument / pds:type	466
Element pds:Instrument / pds:model_id	466
Element pds:Instrument / pds:naif_instrument_id	467
Element pds:Instrument / pds:serial_number	467
Element pds:Instrument / pds:description	467
Element pds:Product_Context / pds:Instrument_Host	468
Element pds:Instrument_Host / pds:name	468
Element pds:Instrument_Host / pds:instrument_host_version_id	469
Element pds:Instrument_Host / pds:version_id	469
Element pds:Instrument_Host / pds:type	469
Element pds:Instrument_Host / pds:naif_host_id	470
Element pds:Instrument_Host / pds:serial_number	470
Element pds:Instrument_Host / pds:description	471
Element pds:Product_Context / pds:Investigation	471
Element pds:Investigation / pds:name	471
Element pds:Investigation / pds:type	472
Element pds:Investigation / pds:start_date	472
Element pds:Investigation / pds:stop_date	473
Element pds:Investigation / pds:description	473
Element pds:Product_Context / pds:Node	473
Element pds:Node / pds:name	474
Element pds:Node / pds:institution_name	474
Element pds:Node / pds:description	474
Element pds:Product_Context / pds:Other	475
Element pds:Other / pds:description	475
Element pds:Product_Context / pds:PDS_Affiliate	475
Element pds:PDS_Affiliate / pds:name	476
Element pds:PDS_Affiliate / pds:registration_date	477
Element pds:PDS_Affiliate / pds:electronic_mail_address	477
Element pds:PDS_Affiliate / pds:sort_name	477
Element pds:PDS_Affiliate / pds:affiliation_type	478
Element pds:PDS_Affiliate / pds:alternate_telephone_number	478
Element pds:PDS_Affiliate / pds:institution_name	479
Element pds:PDS_Affiliate / pds:phone_book_flag	479
Element pds:PDS_Affiliate / pds:postal_address_text	479
Element pds:PDS_Affiliate / pds:team_name	480
Element pds:PDS_Affiliate / pds:telephone_number	480
Element pds:PDS_Affiliate / pds:description	480
Element pds:Product_Context / pds:PDS_Guest	481
Element pds:PDS_Guest / pds:name	481
Element pds:PDS_Guest / pds:registration_date	482
Element pds:PDS_Guest / pds:electronic_mail_address	482
Element pds:PDS_Guest / pds:sort_name	482
Element pds:PDS_Guest / pds:description	483
Element pds:Product_Context / pds:Resource	483
Element pds:Resource / pds:name	484
Element pds:Resource / pds:type	484
Element pds:Resource / pds:url	484
Element pds:Resource / pds:description	485
Element pds:Product_Context / pds:Target	485
Element pds:Target / pds:name	485
Element pds:Target / pds:type	486
Element pds:Target / pds:description	486
Element pds:Product_Context / pds:Telescope	487
Element pds:Telescope / pds:aperture	487
Element pds:Telescope / pds:telescope_longitude	488
Element pds:Telescope / pds:telescope_latitude	488
Element pds:Telescope / pds:altitude	488
Element pds:Telescope / pds:coordinate_source	489
Element pds:Telescope / pds:description	489
Element pds:Product_DIP	490
Element pds:Product_DIP / pds:Reference_List	490
Element pds:Product_DIP / pds:Information_Package_Component	491
Element pds:Product_DIP / pds:Dissemination_Information_Package	491
Element pds:Dissemination_Information_Package / pds:description	492
Element pds:Product_DIP_Deep_Archive	492
Element pds:Product_DIP_Deep_Archive / pds:Reference_List	493
Element pds:Product_DIP_Deep_Archive / pds:Information_Package_Component	493
Element pds:Product_DIP_Deep_Archive / pds:DIP_Deep_Archive	494
Element pds:DIP_Deep_Archive / pds:description	494
Element pds:Product_Data_Set_PDS3	495

Element pds:Product_Data_Set_PDS3 / pds:Reference_List	495
Element pds:Product_Data_Set_PDS3 / pds:Data_Set_PDS3	495
Element pds:Data_Set_PDS3 / pds:data_set_id	496
Element pds:Data_Set_PDS3 / pds:data_set_name	497
Element pds:Data_Set_PDS3 / pds:data_set_release_date	497
Element pds:Data_Set_PDS3 / pds:start_time	498
Element pds:Data_Set_PDS3 / pds:start_date_time	498
Element pds:Data_Set_PDS3 / pds:stop_time	498
Element pds:Data_Set_PDS3 / pds:stop_date_time	499
Element pds:Data_Set_PDS3 / pds:producer_full_name	499
Element pds:Data_Set_PDS3 / pds:citation_text	500
Element pds:Data_Set_PDS3 / pds:data_set_terse_desc	500
Element pds:Data_Set_PDS3 / pds:abstract_desc	500
Element pds:Data_Set_PDS3 / pds:data_set_desc	501
Element pds:Data_Set_PDS3 / pds:confidence_level_note	501
Element pds:Data_Set_PDS3 / pds:archive_status	502
Element pds:Data_Set_PDS3 / pds:NSSDC	502
Element pds:NSSDC / pds:medium_type	502
Element pds:NSSDC / pds:nssdc_collection_id	503
Element pds:Product_Document	503
Element pds:Product_Document / pds:Context_Area	504
Element pds:Product_Document / pds:Reference_List	504
Element pds:Product_Document / pds:Document	505
Element pds:Document / pds:revision_id	505
Element pds:Document / pds:document_name	506
Element pds:Document / pds:doi	506
Element pds:Document / pds:author_list	507
Element pds:Document / pds:editor_list	507
Element pds:Document / pds:acknowledgement_text	507
Element pds:Document / pds:copyright	508
Element pds:Document / pds:publication_date	508
Element pds:Document / pds:document_editions	508
Element pds:Document / pds:description	509
Element pds:Document / pds:Document_Edition	509
Element pds:Document_Edition / pds:edition_name	510
Element pds:Document_Edition / pds:starting_point_identifier	510
Element pds:Document_Edition / pds:language	510
Element pds:Document_Edition / pds:files	511
Element pds:Document_Edition / pds:description	511
Element pds:Document_Edition / pds:Document_File	512
Element pds:Document_File / pds:directory_path_name	512
Element pds:Document_File / pds:document_standard_id	513
Element pds:Product_File_Repository	513
Element pds:Product_File_Repository / pds:Reference_List	514
Element pds:Product_File_Repository / pds:File_Area_Binary	514
Element pds:File_Area_Binary / pds:File	515
Element pds:File_Area_Binary / pds:Encoded_Binary	515
Element pds:Encoded_Binary / pds:name	516
Element pds:Encoded_Binary / pds:local_identifier	517
Element pds:Encoded_Binary / pds:offset	517
Element pds:Encoded_Binary / pds:object_length	518
Element pds:Encoded_Binary / pds:encoding_standard_id	518
Element pds:Encoded_Binary / pds:description	518
Element pds:Product_File_Text	519
Element pds:Product_File_Text / pds:Reference_List	519
Element pds:Product_File_Text / pds:File_Area_Text	520
Element pds:Product_Instrument_Host_PDS3	520
Element pds:Product_Instrument_Host_PDS3 / pds:Reference_List	521
Element pds:Product_Instrument_Host_PDS3 / pds:Instrument_Host_PDS3	521
Element pds:Instrument_Host_PDS3 / pds:instrument_host_name	522
Element pds:Instrument_Host_PDS3 / pds:instrument_host_desc	522
Element pds:Instrument_Host_PDS3 / pds:instrument_host_id	522
Element pds:Instrument_Host_PDS3 / pds:instrument_host_type	523
Element pds:Product_Instrument_PDS3	523
Element pds:Product_Instrument_PDS3 / pds:Reference_List	524
Element pds:Product_Instrument_PDS3 / pds:Instrument_PDS3	524
Element pds:Instrument_PDS3 / pds:instrument_name	525
Element pds:Instrument_PDS3 / pds:instrument_desc	525
Element pds:Instrument_PDS3 / pds:instrument_id	525
Element pds:Instrument_PDS3 / pds:instrument_serial_number	526
Element pds:Instrument_PDS3 / pds:instrument_type	526
Element pds:Instrument_PDS3 / pds:instrument_version_id	526

Element pds:Product_Mission_PDS3	527
Element pds:Product_Mission_PDS3 / pds:Reference_List	527
Element pds:Product_Mission_PDS3 / pds:Mission_PDS3	528
Element pds:Mission_PDS3 / pds:mission_name	528
Element pds:Mission_PDS3 / pds:mission_desc	529
Element pds:Mission_PDS3 / pds:mission_objectives_summary	529
Element pds:Mission_PDS3 / pds:mission_start_date	529
Element pds:Mission_PDS3 / pds:mission_stop_date	530
Element pds:Product_Native	530
Element pds:Product_Native / pds:Context_Area	531
Element pds:Product_Native / pds:Reference_List	531
Element pds:Product_Native / pds:File_Area_Native	532
Element pds:File_Area_Native / pds:File	532
Element pds:File_Area_Native / pds:Encoded_Native	533
Element pds:Encoded_Native / pds:name	534
Element pds:Encoded_Native / pds:local_identifier	534
Element pds:Encoded_Native / pds:offset	534
Element pds:Encoded_Native / pds:object_length	535
Element pds:Encoded_Native / pds:encoding_standard_id	535
Element pds:Encoded_Native / pds:description	536
Element pds:Product_Observational	536
Element pds:Product_Observational / pds:Observation_Area	537
Element pds:Observation_Area / pds:comment	538
Element pds:Observation_Area / pds:Time_Coordinates	538
Element pds:Observation_Area / pds:Primary_Result_Summary	538
Element pds:Observation_Area / pds:Investigation_Area	539
Element pds:Observation_Area / pds:Observing_System	540
Element pds:Observation_Area / pds:Target_Identification	540
Element pds:Observation_Area / pds:Mission_Area	540
Element pds:Observation_Area / pds:Discipline_Area	541
Element pds:Product_Observational / pds:Reference_List	541
Element pds:Product_Observational / pds:File_Area_Observational	541
Element pds:File_Area_Observational / pds:File	543
Element pds:File_Area_Observational / pds:Array	543
Element pds:File_Area_Observational / pds:Array_1D	544
Element pds:File_Area_Observational / pds:Array_2D	546
Element pds:File_Area_Observational / pds:Array_2D_Image	547
Element pds:File_Area_Observational / pds:Array_2D_Map	549
Element pds:File_Area_Observational / pds:Array_2D_Spectrum	551
Element pds:File_Area_Observational / pds:Array_3D	553
Element pds:File_Area_Observational / pds:Array_3D_Image	555
Element pds:File_Area_Observational / pds:Array_3D_Movie	557
Element pds:File_Area_Observational / pds:Array_3D_Spectrum	559
Element pds:File_Area_Observational / pds:Encoded_Header	561
Element pds:File_Area_Observational / pds:Header	562
Element pds:File_Area_Observational / pds:Stream_Text	563
Element pds:File_Area_Observational / pds:Table_Binary	563
Element pds:File_Area_Observational / pds:Table_Character	564
Element pds:File_Area_Observational / pds:Table_Delimited	565
Element pds:Product_Observational / pds:File_Area_Observational_Supplemental	566
Element pds:File_Area_Observational_Supplemental / pds:File	568
Element pds:File_Area_Observational_Supplemental / pds:Array	568
Element pds:File_Area_Observational_Supplemental / pds:Array_1D	569
Element pds:File_Area_Observational_Supplemental / pds:Array_2D	571
Element pds:File_Area_Observational_Supplemental / pds:Array_2D_Image	572
Element pds:File_Area_Observational_Supplemental / pds:Array_2D_Map	574
Element pds:File_Area_Observational_Supplemental / pds:Array_2D_Spectrum	576
Element pds:File_Area_Observational_Supplemental / pds:Array_3D	578
Element pds:File_Area_Observational_Supplemental / pds:Array_3D_Image	580
Element pds:File_Area_Observational_Supplemental / pds:Array_3D_Movie	582
Element pds:File_Area_Observational_Supplemental / pds:Array_3D_Spectrum	584
Element pds:File_Area_Observational_Supplemental / pds:Encoded_Binary	586
Element pds:File_Area_Observational_Supplemental / pds:Encoded_Byte_Stream	587
Element pds:File_Area_Observational_Supplemental / pds:Encoded_Header	587
Element pds:File_Area_Observational_Supplemental / pds:Encoded_Image	588
Element pds:File_Area_Observational_Supplemental / pds:Header	589
Element pds:File_Area_Observational_Supplemental / pds:Parsable_Byte_Stream	590
Element pds:File_Area_Observational_Supplemental / pds:Stream_Text	591
Element pds:File_Area_Observational_Supplemental / pds:Table_Binary	592
Element pds:File_Area_Observational_Supplemental / pds:Table_Character	593
Element pds:File_Area_Observational_Supplemental / pds:Table_Delimited	593
Element pds:Product_Proxy_PDS3	594

Element pds:Product_Proxy_PDS3 / pds:Reference_List	595
Element pds:Product_Proxy_PDS3 / pds:File_Area_Binary	595
Element pds:Product_SIP	596
Element pds:Product_SIP / pds:Reference_List	597
Element pds:Product_SIP / pds:Information_Package_Component	597
Element pds:Product_SIP / pds:Submission_Information_Package	598
Element pds:Submission_Information_Package / pds:description	598
Element pds:Product_SIP_Deep_Archive	598
Element pds:Product_SIP_Deep_Archive / pds:Information_Package_Component_Deep_Archive	599
Element pds:Information_Package_Component_Deep_Archive / pds:manifest_checksum	600
Element pds:Information_Package_Component_Deep_Archive / pds:checksum_type	600
Element pds:Information_Package_Component_Deep_Archive / pds:manifest_url	600
Element pds:Information_Package_Component_Deep_Archive / pds:File_Area_SIP_Deep_Archive	601
Element pds:File_Area_SIP_Deep_Archive / pds:File	601
Element pds:File_Area_SIP_Deep_Archive / pds:Manifest_SIP_Deep_Archive	602
Element pds:Manifest_SIP_Deep_Archive / pds:name	604
Element pds:Manifest_SIP_Deep_Archive / pds:local_identifier	604
Element pds:Manifest_SIP_Deep_Archive / pds:offset	605
Element pds:Manifest_SIP_Deep_Archive / pds:object_length	605
Element pds:Manifest_SIP_Deep_Archive / pds:parsing_standard_id	606
Element pds:Manifest_SIP_Deep_Archive / pds:description	606
Element pds:Manifest_SIP_Deep_Archive / pds:records	606
Element pds:Manifest_SIP_Deep_Archive / pds:record_delimiter	607
Element pds:Manifest_SIP_Deep_Archive / pds:field_delimiter	607
Element pds:Manifest_SIP_Deep_Archive / pds:Uniformly_Sampled	607
Element pds:Manifest_SIP_Deep_Archive / pds:Record_Delimited	608
Element pds:Information_Package_Component_Deep_Archive / pds:Internal_Reference	609
Element pds:Product_SIP_Deep_Archive / pds:SIP_Deep_Archive	609
Element pds:SIP_Deep_Archive / pds:provider_site_id	610
Element pds:Product_SIP_Deep_Archive / pds:Reference_List	610
Element pds:Product_SPICE_Kernel	610
Element pds:Product_SPICE_Kernel / pds:Context_Area	611
Element pds:Product_SPICE_Kernel / pds:Reference_List	612
Element pds:Product_SPICE_Kernel / pds:File_Area_SPICE_Kernel	612
Element pds:File_Area_SPICE_Kernel / pds:File	613
Element pds:File_Area_SPICE_Kernel / pds:SPICE_Kernel	613
Element pds:SPICE_Kernel / pds:kernel_type	614
Element pds:SPICE_Kernel / pds:encoding_type	615
Element pds:Product_Service	615
Element pds:Product_Service / pds:Reference_List	616
Element pds:Product_Service / pds:File_Area_Service_Description	616
Element pds:File_Area_Service_Description / pds:File	617
Element pds:File_Area_Service_Description / pds:Service_Description	617
Element pds:Service_Description / pds:name	618
Element pds:Service_Description / pds:local_identifier	619
Element pds:Service_Description / pds:offset	619
Element pds:Service_Description / pds:object_length	620
Element pds:Service_Description / pds:parsing_standard_id	620
Element pds:Service_Description / pds:description	620
Element pds:Product_Software	621
Element pds:Product_Software / pds:Reference_List	621
Element pds:Product_Software / pds:Software	622
Element pds:Software / pds:name	623
Element pds:Software / pds:software_version_id	623
Element pds:Software / pds:version_id	623
Element pds:Software / pds:author_list	624
Element pds:Software / pds:programmers_manual_id	624
Element pds:Software / pds:software_id	624
Element pds:Software / pds:software_type	625
Element pds:Software / pds:users_manual_id	625
Element pds:Software / pds:description	626
Element pds:Product_Software / pds:Software_Binary	626
Element pds:Software_Binary / pds:files	627
Element pds:Software_Binary / pds:os_version	627
Element pds:Software_Binary / pds:program_notes_id	627
Element pds:Software_Binary / pds:software_format_type	628
Element pds:Software_Binary / pds:supported_architecture_note	628
Element pds:Software_Binary / pds:supported_operating_system_note	628
Element pds:Software_Binary / pds:system_requirements_note	629
Element pds:Product_Software / pds:Software_Script	629
Element pds:Software_Script / pds:files	630

Element pds:Software_Script / pds:install_note	630
Element pds:Software_Script / pds:supported_environment_note	630
Element pds:Software_Script / pds:system_requirements_note	631
Element pds:Product_Software / pds:Software_Source	631
Element pds:Software_Source / pds:compile_note	632
Element pds:Software_Source / pds:files	632
Element pds:Software_Source / pds:os_version	633
Element pds:Software_Source / pds:program_notes_id	633
Element pds:Software_Source / pds:software_dialect	633
Element pds:Software_Source / pds:software_format_type	634
Element pds:Software_Source / pds:software_language	634
Element pds:Software_Source / pds:supported_architecture_note	634
Element pds:Software_Source / pds:supported_operating_system_note	635
Element pds:Software_Source / pds:system_requirements_note	635
Element pds:Product_Subscription_PDS3	636
Element pds:Product_Subscription_PDS3 / pds:Reference_List	636
Element pds:Product_Subscription_PDS3 / pds:Subscriber_PDS3	636
Element pds:Subscriber_PDS3 / pds:full_name	637
Element pds:Subscriber_PDS3 / pds:local_identifier	637
Element pds:Subscriber_PDS3 / pds:subscription_id	638
Element pds:Product_Target_PDS3	638
Element pds:Product_Target_PDS3 / pds:Reference_List	639
Element pds:Product_Target_PDS3 / pds:Target_PDS3	639
Element pds:Target_PDS3 / pds:target_name	639
Element pds:Target_PDS3 / pds:orbit_direction	640
Element pds:Target_PDS3 / pds:primary_body_name	640
Element pds:Target_PDS3 / pds:rotation_direction	641
Element pds:Target_PDS3 / pds:target_desc	641
Element pds:Target_PDS3 / pds:target_type	641
Element pds:Product_Thumbnail	642
Element pds:Product_Thumbnail / pds:Reference_List	642
Element pds:Product_Thumbnail / pds:File_Area_Encoded_Image	643
Element pds:File_Area_Encoded_Image / pds:File	643
Element pds:File_Area_Encoded_Image / pds:Encoded_Image	644
Element pds:Product_Update	645
Element pds:Product_Update / pds:Reference_List	645
Element pds:Product_Update / pds:Update	646
Element pds:Update / pds:local_identifier	646
Element pds:Update / pds:description	646
Element pds:Update / pds:Update_Entry	647
Element pds:Update_Entry / pds:date_time	647
Element pds:Update_Entry / pds:full_name	648
Element pds:Update_Entry / pds:description	648
Element pds:Update_Entry / pds:Internal_Reference	649
Element pds:Product_Volume_PDS3	649
Element pds:Product_Volume_PDS3 / pds:Reference_List	650
Element pds:Product_Volume_PDS3 / pds:Volume_PDS3	650
Element pds:Volume_PDS3 / pds:archive_status	651
Element pds:Volume_PDS3 / pds:archive_status_note	651
Element pds:Volume_PDS3 / pds:curating_node_id	652
Element pds:Volume_PDS3 / pds:medium_type	652
Element pds:Volume_PDS3 / pds:publication_date	652
Element pds:Volume_PDS3 / pds:volume_de_fullname	653
Element pds:Volume_PDS3 / pds:volume_format	653
Element pds:Volume_PDS3 / pds:volume_id	654
Element pds:Volume_PDS3 / pds:volume_name	654
Element pds:Volume_PDS3 / pds:volume_set_id	654
Element pds:Volume_PDS3 / pds:volume_size	655
Element pds:Volume_PDS3 / pds:volume_version_id	655
Element pds:Volume_PDS3 / pds:description	655
Element pds:Product_Volume_Set_PDS3	656
Element pds:Product_Volume_Set_PDS3 / pds:Reference_List	656
Element pds:Product_Volume_Set_PDS3 / pds:Volume_Set_PDS3	657
Element pds:Volume_Set_PDS3 / pds:volume_series_name	657
Element pds:Volume_Set_PDS3 / pds:volume_set_id	658
Element pds:Volume_Set_PDS3 / pds:volume_set_name	658
Element pds:Volume_Set_PDS3 / pds:volumes	658
Element pds:Volume_Set_PDS3 / pds:description	659
Element pds:Product_XML_Schema	659
Element pds:Product_XML_Schema / pds:Reference_List	660
Element pds:Product_XML_Schema / pds:File_Area_XML_Schema	660
Element pds:File_Area_XML_Schema / pds:File	660

Element pds:File_Area_XML_Schema / pds:XML_Schema	661
Element pds:XML_Schema / pds:ldd_version_id	662
Element pds:Product_Zipped	662
Element pds:Product_Zipped / pds:Internal_Reference	663
Element pds:Product_Zipped / pds:Zip	664
Element pds:Zip / pds:container_type	664
Element pds:Zip / pds:description	664
Element pds:Product_Zipped / pds:File	665
Element pds:Quaternion / pds:name	665
Element pds:Quaternion / pds:local_identifier	666
Element pds:Quaternion / pds:type	666
Element pds:Quaternion / pds:description	666
Element pds:Quaternion / pds:Quaternion_Component	667
Element pds:Quaternion_Component / pds:name	667
Element pds:Quaternion_Component / pds:data_type	668
Element pds:Quaternion_Component / pds:value	668
Element pds:Quaternion_Component / pds:sequence_number	668
Element pds:Quaternion_Component / pds:description	669
Element pds:Vector / pds:name	669
Element pds:Vector / pds:local_identifier	669
Element pds:Vector / pds:type	670
Element pds:Vector / pds:data_type	670
Element pds:Vector / pds:reference_frame_id	671
Element pds:Vector / pds:vector_components	671
Element pds:Vector / pds:description	671
Element pds:Vector / pds:Vector_Component	672
Element pds:Vector_Component / pds:name	672
Element pds:Vector_Component / pds:unit	673
Element pds:Vector_Component / pds:value	673
Element pds:Vector_Component / pds:sequence_number	673
Element pds:Vector_Component / pds:description	674
Element pds:Vector_Cartesian_3 / pds:reference_frame_id	674
Element pds:Vector_Cartesian_3 / pds:x	674
Element pds:Vector_Cartesian_3 / pds:y	675
Element pds:Vector_Cartesian_3 / pds:z	675
Element pds:Vector_Cartesian_3_Acceleration / pds:reference_frame_id	675
Element pds:Vector_Cartesian_3_Acceleration / pds:x	676
Element pds:Vector_Cartesian_3_Acceleration / pds:y	676
Element pds:Vector_Cartesian_3_Acceleration / pds:z	676
Element pds:Vector_Cartesian_3_Pointing / pds:reference_frame_id	677
Element pds:Vector_Cartesian_3_Pointing / pds:x	677
Element pds:Vector_Cartesian_3_Pointing / pds:y	677
Element pds:Vector_Cartesian_3_Pointing / pds:z	678
Element pds:Vector_Cartesian_3_Position / pds:reference_frame_id	678
Element pds:Vector_Cartesian_3_Position / pds:x	679
Element pds:Vector_Cartesian_3_Position / pds:y	679
Element pds:Vector_Cartesian_3_Position / pds:z	679
Element pds:Vector_Cartesian_3_Velocity / pds:reference_frame_id	679
Element pds:Vector_Cartesian_3_Velocity / pds:x	680
Element pds:Vector_Cartesian_3_Velocity / pds:y	680
Element pds:Vector_Cartesian_3_Velocity / pds:z	681
Simple Type(s)	681
Simple Type pds:ASCII_Real	681
Simple Type pds:Units_of_Angle	681
Simple Type pds:ASCII_Text_Preserved	682
Simple Type pds:ASCII_Short_String_Collapsed	682
Simple Type pds:ASCII_Integer	683
Simple Type pds:Units_of_Map_Scale	684
Simple Type pds:Units_of_Length	684
Simple Type pds:name	684
Simple Type pds:UTF8_Short_String_Collapsed	685
Simple Type pds:ldd_version_id	685
Simple Type pds:full_name	686
Simple Type pds:steward_id	686
Simple Type pds:namespace_id	687
Simple Type pds:external_property_maps_id	688
Simple Type pds:comment	688
Simple Type pds:last_modification_date_time	689
Simple Type pds:ASCII_Date_Time_YMD	689
Simple Type pds:version_id	690
Simple Type pds:local_identifier	691
Simple Type pds:nilable_flag	691

Simple Type pds:ASCII_Boolean	692
Simple Type pds:submitter_name	692
Simple Type pds:definition	693
Simple Type pds:UTF8_Text_Preserved	693
Simple Type pds:lid_reference	693
Simple Type pds:ASCII_LID	694
Simple Type pds:lidvid_reference	694
Simple Type pds:ASCII_LIDVID	695
Simple Type pds:reference_type	695
Simple Type pds:language	696
Simple Type pds:preferred_flag	696
Simple Type pds:instance_id	696
Simple Type pds:doi	697
Simple Type pds:reference_text	697
Simple Type pds:description	698
Simple Type pds:url	699
Simple Type pds:ASCII_AnyURI	699
Simple Type pds:enumeration_flag	699
Simple Type pds:value_data_type	700
Simple Type pds:formation_rule	700
Simple Type pds:ASCII_Text_Collapsed	701
Simple Type pds:minimum_characters	701
Simple Type pds:maximum_characters	702
Simple Type pds:minimum_value	702
Simple Type pds:maximum_value	703
Simple Type pds:pattern	703
Simple Type pds:unit_of_measure_type	704
Simple Type pds:specified_unit_id	704
Simple Type pds:value	705
Simple Type pds:value_meaning	705
Simple Type pds:abstract_flag	706
Simple Type pds:element_flag	706
Simple Type pds:minimum_occurrences	707
Simple Type pds:maximum_occurrences	707
Simple Type pds:constant_value	708
Simple Type pds:rule_context	708
Simple Type pds:rule_assign	709
Simple Type pds:rule_type	709
Simple Type pds:rule_test	710
Simple Type pds:rule_message	710
Simple Type pds:rule_description	711
Simple Type pds:rule_value	711
Simple Type pds:identifier	712
Simple Type pds:title	712
Simple Type pds:external_property_map_id	713
Simple Type pds:model_object_id	713
Simple Type pds:model_object_type	714
Simple Type pds:external_namespace_id	714
Simple Type pds:property_name	715
Simple Type pds:property_value	715
Simple Type pds:logical_identifier	715
Simple Type pds:information_model_version	716
Simple Type pds:product_class	716
Simple Type pds:alternate_id	717
Simple Type pds:alternate_title	717
Simple Type pds:author_list	718
Simple Type pds:editor_list	719
Simple Type pds:publication_year	719
Simple Type pds:ASCII_Date_YMD	720
Simple Type pds:keyword	720
Simple Type pds:modification_date	720
Simple Type pds:checksum_manifest_checksum	721
Simple Type pds:ASCII_MD5_Checksum	721
Simple Type pds:checksum_type	722
Simple Type pds:transfer_manifest_checksum	722
Simple Type pds:file_name	723
Simple Type pds:creation_date_time	723
Simple Type pds:file_size_WO_Units	724
Simple Type pds:ASCII_NonNegative_Integer	724
Simple Type pds:Units_of_Storage	725
Simple Type pds:records	725
Simple Type pds:md5_checksum	725

Simple Type pds:offset_WO_Units	726
Simple Type pds:object_length_WO_Units	726
Simple Type pds:parsing_standard_id	727
Simple Type pds:record_delimiter	727
Simple Type pds:sampling_parameter_name	728
Simple Type pds:sampling_parameter_interval	728
Simple Type pds:sampling_parameter_unit	729
Simple Type pds:first_sampling_parameter_value	729
Simple Type pds:last_sampling_parameter_value	730
Simple Type pds:sampling_parameter_scale	730
Simple Type pds:fields	731
Simple Type pds:groups	731
Simple Type pds:record_length_WO_Units	732
Simple Type pds:field_number	732
Simple Type pds:field_location_WO_Units	732
Simple Type pds:data_type	733
Simple Type pds:field_length_WO_Units	733
Simple Type pds:field_format	734
Simple Type pds:unit	734
Simple Type pds:scaling_factor	735
Simple Type pds:value_offset	735
Simple Type pds:saturated_constant	736
Simple Type pds:missing_constant	736
Simple Type pds:error_constant	737
Simple Type pds:invalid_constant	737
Simple Type pds:unknown_constant	738
Simple Type pds:not_applicable_constant	738
Simple Type pds:valid_maximum	739
Simple Type pds:high_instrument_saturation	739
Simple Type pds:high_representation_saturation	740
Simple Type pds:valid_minimum	740
Simple Type pds:low_instrument_saturation	741
Simple Type pds:low_representation_saturation	742
Simple Type pds:maximum	742
Simple Type pds:minimum	743
Simple Type pds:mean	743
Simple Type pds:standard_deviation	743
Simple Type pds:median	744
Simple Type pds:group_number	744
Simple Type pds:repetitions	745
Simple Type pds:group_location_WO_Units	745
Simple Type pds:group_length_WO_Units	746
Simple Type pds:class_name	746
Simple Type pds:type	747
Simple Type pds:registered_by	747
Simple Type pds:registration_authority_id	748
Simple Type pds:attribute_concept	748
Simple Type pds:conceptual_domain	749
Simple Type pds:value_begin_date	749
Simple Type pds:value_end_date	750
Simple Type pds:axes	751
Simple Type pds:axis_index_order	751
Simple Type pds:axis_name	752
Simple Type pds:elements	752
Simple Type pds:sequence_number	753
Simple Type pds:band_number	753
Simple Type pds:band_width_WO_Units	754
Simple Type pds:center_wavelength_WO_Units	754
Simple Type pds:detector_number	754
Simple Type pds:filter_number	755
Simple Type pds:grating_position	755
Simple Type pds:original_band	756
Simple Type pds:bit_mask	756
Simple Type pds:ASCII_Numeric_Base2	757
Simple Type pds:maximum_scaled_value	757
Simple Type pds:minimum_scaled_value	758
Simple Type pds:local_identifier_reference	758
Simple Type pds:local_reference_type	759
Simple Type pds:line_display_direction	759
Simple Type pds:sample_display_direction	760
Simple Type pds:encoding_standard_id	760
Simple Type pds:bit_fields	761

Simple Type pds:start_bit	761
Simple Type pds:stop_bit	762
Simple Type pds:field_delimiter	762
Simple Type pds:maximum_record_length_WO_Units	763
Simple Type pds:maximum_field_length_WO_Units	763
Simple Type pds:ASCII_Date_Time_YMD_UTC	763
Simple Type pds:nil_reason	764
Simple Type pds:local_mean_solar_time	764
Simple Type pds:local_true_solar_time	765
Simple Type pds:solar_longitude_WO_Units	765
Simple Type pds:purpose	766
Simple Type pds:data_regime	766
Simple Type pds:processing_level	767
Simple Type pds:processing_level_id	767
Simple Type pds:wavelength_range	768
Simple Type pds:domain	768
Simple Type pds:alternate_designation	769
Simple Type pds:bundle_type	769
Simple Type pds:member_status	770
Simple Type pds:collection_type	770
Simple Type pds:address	771
Simple Type pds:country	771
Simple Type pds:model_id	772
Simple Type pds:naif_instrument_id	772
Simple Type pds:serial_number	773
Simple Type pds:instrument_host_version_id	773
Simple Type pds:naif_host_id	774
Simple Type pds:start_date	774
Simple Type pds:institution_name	775
Simple Type pds:registration_date	775
Simple Type pds:electronic_mail_address	776
Simple Type pds:sort_name	776
Simple Type pds:affiliation_type	777
Simple Type pds:alternate_telephone_number	777
Simple Type pds:phone_book_flag	778
Simple Type pds:postal_address_text	778
Simple Type pds:team_name	779
Simple Type pds:telephone_number	779
Simple Type pds:aperture_WO_Units	780
Simple Type pds:telescope_longitude_WO_Units	780
Simple Type pds:telescope_latitude_WO_Units	780
Simple Type pds:altitude_WO_Units	781
Simple Type pds:coordinate_source	781
Simple Type pds:data_set_id	781
Simple Type pds:data_set_name	782
Simple Type pds:data_set_release_date	782
Simple Type pds:ASCII_Date_Time	783
Simple Type pds:producer_full_name	784
Simple Type pds:citation_text	785
Simple Type pds:data_set_terse_desc	785
Simple Type pds:abstract_desc	786
Simple Type pds:data_set_desc	786
Simple Type pds:confidence_level_note	787
Simple Type pds:archive_status	787
Simple Type pds:medium_type	788
Simple Type pds:nssdc_collection_id	788
Simple Type pds:revision_id	789
Simple Type pds:document_name	789
Simple Type pds:acknowledgement_text	790
Simple Type pds:copyright	790
Simple Type pds:document_editions	791
Simple Type pds:edition_name	791
Simple Type pds:starting_point_identifier	792
Simple Type pds:files	792
Simple Type pds:directory_path_name	793
Simple Type pds:document_standard_id	793
Simple Type pds:instrument_host_name	794
Simple Type pds:instrument_host_desc	794
Simple Type pds:instrument_host_id	795
Simple Type pds:instrument_host_type	795
Simple Type pds:instrument_name	796
Simple Type pds:instrument_desc	796

Simple Type pds:instrument_id	796
Simple Type pds:instrument_serial_number	797
Simple Type pds:instrument_type	797
Simple Type pds:instrument_version_id	798
Simple Type pds:mission_name	799
Simple Type pds:mission_desc	799
Simple Type pds:mission_objectives_summary	800
Simple Type pds:mission_start_date	800
Simple Type pds:mission_stop_date	800
Simple Type pds:manifest_checksum	801
Simple Type pds:manifest_url	801
Simple Type pds:provider_site_id	802
Simple Type pds:kernel_type	802
Simple Type pds:encoding_type	803
Simple Type pds:software_version_id	803
Simple Type pds:programmers_manual_id	804
Simple Type pds:software_id	804
Simple Type pds:software_type	805
Simple Type pds:users_manual_id	805
Simple Type pds:os_version	806
Simple Type pds:program_notes_id	806
Simple Type pds:software_format_type	807
Simple Type pds:supported_architecture_note	807
Simple Type pds:supported_operating_system_note	808
Simple Type pds:system_requirements_note	808
Simple Type pds:install_note	809
Simple Type pds:supported_environment_note	809
Simple Type pds:compile_note	810
Simple Type pds:software_dialect	810
Simple Type pds:software_language	811
Simple Type pds:subscription_id	811
Simple Type pds:target_name	812
Simple Type pds:orbit_direction	812
Simple Type pds:primary_body_name	813
Simple Type pds:rotation_direction	813
Simple Type pds:target_desc	814
Simple Type pds:target_type	814
Simple Type pds:date_time	815
Simple Type pds:archive_status_note	816
Simple Type pds:curating_node_id	816
Simple Type pds:volume_de_fullname	817
Simple Type pds:volume_format	817
Simple Type pds:volume_id	818
Simple Type pds:volume_name	818
Simple Type pds:volume_set_id	819
Simple Type pds:volume_size	819
Simple Type pds:volume_version_id	820
Simple Type pds:volume_series_name	820
Simple Type pds:volume_set_name	821
Simple Type pds:volumes	821
Simple Type pds:container_type	822
Simple Type pds:vector_components	822
Simple Type pds:x	822
Simple Type pds:y	823
Simple Type pds:z	823
Simple Type pds:ASCII_DOI	824
Simple Type pds:ASCII_Date	824
Simple Type pds:ASCII_Date_DOY	824
Simple Type pds:ASCII_Date_Time_DOY	825
Simple Type pds:ASCII_Date_Time_DOY_UTC	826
Simple Type pds:ASCII_Date_Time_UTC	827
Simple Type pds:ASCII_Directory_Path_Name	828
Simple Type pds:ASCII_File_Name	828
Simple Type pds:ASCII_File_Specification_Name	828
Simple Type pds:ASCII_LIDVID_LID	829
Simple Type pds:ASCII_Numeric_Base16	829
Simple Type pds:ASCII_Numeric_Base8	829
Simple Type pds:ASCII_Short_String_Preserved	830
Simple Type pds:ASCII_String	830
Simple Type pds:ASCII_Time	830
Simple Type pds:ASCII_VID	831
Simple Type pds:UTF8_Short_String_Preserved	831

Simple Type pds:UTF8_String	831
Simple Type pds:Units_of_Acceleration	831
Simple Type pds:Units_of_Amount_Of_Substance	832
Simple Type pds:Units_of_Angular_Velocity	832
Simple Type pds:Units_of_Area	832
Simple Type pds:Units_of_Current	832
Simple Type pds:Units_of_Frame_Rate	833
Simple Type pds:Units_of_Frequency	833
Simple Type pds:Units_of_Mass	833
Simple Type pds:Units_of_Misc	833
Simple Type pds:Units_of_None	834
Simple Type pds:Units_of_Optical_Path_Length	834
Simple Type pds:Units_of_Pressure	834
Simple Type pds:Units_of_Radiance	835
Simple Type pds:Units_of_Rates	835
Simple Type pds:Units_of_Solid_Angle	835
Simple Type pds:Units_of_Spectral_Irradiance	835
Simple Type pds:Units_of_Spectral_Radiance	836
Simple Type pds:Units_of_Temperature	836
Simple Type pds:Units_of_Time	837
Simple Type pds:Units_of_Velocity	837
Simple Type pds:Units_of_Voltage	837
Simple Type pds:Units_of_Volume	838
Simple Type pds:Units_of_Wavenumber	838
Simple Type pds:nil_reason_list	838
Complex Type(s)	839
Complex Type pds:Ingest_LDD	839
Complex Type pds:DD_Attribute	840
Complex Type pds:Internal_Reference	840
Complex Type pds:Terminological_Entry	841
Complex Type pds:External_Reference_Extended	842
Complex Type pds:External_Reference	842
Complex Type pds:DD_Value_Domain	843
Complex Type pds:DD_Permissible_Value	844
Complex Type pds:DD_Class	844
Complex Type pds:DD_Association	845
Complex Type pds:DD_Attribute_Reference	846
Complex Type pds:DD_Class_Reference	846
Complex Type pds:DD_Association_External	847
Complex Type pds:DD_Rule	847
Complex Type pds:DD_Rule_Statement	848
Complex Type pds:Property_Maps	848
Complex Type pds:Property_Map	849
Complex Type pds:Property_Map_Entry	850
Complex Type pds:Product_AIP	850
Complex Type pds:Product	851
Complex Type pds:Identification_Area	851
Complex Type pds:Alias_List	852
Complex Type pds:Alias	852
Complex Type pds:Citation_Information	853
Complex Type pds:Modification_History	853
Complex Type pds:Modification_Detail	854
Complex Type pds:Reference_List	854
Complex Type pds:Information_Package_Component	855
Complex Type pds:File_Area_Checksum_Manifest	856
Complex Type pds:File_Area	856
Complex Type pds:File	857
Complex Type pds:file_size	857
Complex Type pds:Checksum_Manifest	858
Complex Type pds:Stream_Text	859
Complex Type pds:Parsable_Byte_Stream	860
Complex Type pds:Byte_Stream	861
Complex Type pds:offset	861
Complex Type pds:object_length	862
Complex Type pds:File_Area_Transfer_Manifest	862
Complex Type pds:Transfer_Manifest	863
Complex Type pds:Table_Character	864
Complex Type pds:Table_Base	865
Complex Type pds:Uniformly_Sampled	866
Complex Type pds:Record_Character	866
Complex Type pds:Record	867
Complex Type pds:record_length	868

Complex Type pds:Field_Character	868
Complex Type pds:Field	869
Complex Type pds:field_location	870
Complex Type pds:field_length	870
Complex Type pds:Special_Constants	871
Complex Type pds:Field_Statistics	872
Complex Type pds:Group_Field_Character	872
Complex Type pds:Group	873
Complex Type pds:group_location	874
Complex Type pds:group_length	875
Complex Type pds:Archival_Information_Package	875
Complex Type pds:Information_Package	876
Complex Type pds:Product_Attribute_Definition	876
Complex Type pds:DD_Attribute_Full	877
Complex Type pds:DD_Value_Domain_Full	878
Complex Type pds:DD_Permissible_Value_Full	879
Complex Type pds:Product_Browse	879
Complex Type pds:File_Area_Browse	880
Complex Type pds:Array	882
Complex Type pds:Element_Array	883
Complex Type pds:Axis_Array	883
Complex Type pds:Band_Bin_Set	884
Complex Type pds:Band_Bin	884
Complex Type pds:band_width	885
Complex Type pds:center_wavelength	886
Complex Type pds:Object_Statistics	886
Complex Type pds:Local_Internal_Reference	887
Complex Type pds:Array_1D	888
Complex Type pds:Array_2D	890
Complex Type pds:Array_2D_Image	892
Complex Type pds:Display_2D_Image	894
Complex Type pds:Array_2D_Map	894
Complex Type pds:Array_2D_Spectrum	896
Complex Type pds:Array_3D	898
Complex Type pds:Array_3D_Image	899
Complex Type pds:Array_3D_Movie	901
Complex Type pds:Array_3D_Spectrum	903
Complex Type pds:Encoded_Header	905
Complex Type pds:Encoded_Byte_Stream	906
Complex Type pds:Encoded_Image	907
Complex Type pds:Header	908
Complex Type pds:Table_Binary	909
Complex Type pds:Record_Binary	910
Complex Type pds:Field_Binary	911
Complex Type pds:Packed_Data_Fields	913
Complex Type pds:Field_Bit	913
Complex Type pds:Group_Field_Binary	914
Complex Type pds:Table_Delimited	915
Complex Type pds:Record_Delimited	916
Complex Type pds:maximum_record_length	917
Complex Type pds:Field_Delimited	917
Complex Type pds:maximum_field_length	918
Complex Type pds:Group_Field_Delimited	919
Complex Type pds:Product_Bundle	920
Complex Type pds:Context_Area	921
Complex Type pds:Time_Coordinates	921
Complex Type pds:start_date_time	922
Complex Type pds:stop_date_time	922
Complex Type pds:solar_longitude	923
Complex Type pds:Primary_Result_Summary	923
Complex Type pds:Science_Facets	924
Complex Type pds:Investigation_Area	925
Complex Type pds:Observing_System	925
Complex Type pds:Observing_System_Component	926
Complex Type pds:Target_Identification	926
Complex Type pds:Mission_Area	927
Complex Type pds:Discipline_Area	927
Complex Type pds:Bundle	928
Complex Type pds:File_Area_Text	928
Complex Type pds:Bundle_Member_Entry	929
Complex Type pds:Product_Class_Definition	929
Complex Type pds:DD_Class_Full	930

Complex Type pds:Product_Collection	931
Complex Type pds:Collection	931
Complex Type pds:File_Area_Inventory	932
Complex Type pds:Inventory	932
Complex Type pds:Product_Context	933
Complex Type pds:Agency	935
Complex Type pds:Facility	935
Complex Type pds:Instrument	936
Complex Type pds:Instrument_Host	936
Complex Type pds:Investigation	937
Complex Type pds:stop_date	937
Complex Type pds:Node	938
Complex Type pds:Other	938
Complex Type pds:PDS_Affiliate	939
Complex Type pds:PDS_Guest	940
Complex Type pds:Resource	940
Complex Type pds:Target	941
Complex Type pds:Telescope	941
Complex Type pds:aperture	942
Complex Type pds:telescope_longitude	943
Complex Type pds:telescope_latitude	943
Complex Type pds:altitude	944
Complex Type pds:Product_DIP	944
Complex Type pds:Dissemination_Information_Package	945
Complex Type pds:Product_DIP_Deep_Archive	945
Complex Type pds:DIP_Deep_Archive	946
Complex Type pds:Product_Data_Set_PDS3	947
Complex Type pds>Data_Set_PDS3	947
Complex Type pds:start_time	949
Complex Type pds:stop_time	949
Complex Type pds:NSSDC	949
Complex Type pds:Product_Document	950
Complex Type pds:Document	951
Complex Type pds:publication_date	951
Complex Type pds:Document_Edition	952
Complex Type pds:Document_File	952
Complex Type pds:Product_File_Repository	953
Complex Type pds:File_Area_Binary	954
Complex Type pds:Encoded_Binary	954
Complex Type pds:Product_File_Text	955
Complex Type pds:Product_Instrument_Host_PDS3	956
Complex Type pds:Instrument_Host_PDS3	957
Complex Type pds:Product_Instrument_PDS3	957
Complex Type pds:Instrument_PDS3	958
Complex Type pds:Product_Mission_PDS3	958
Complex Type pds:Mission_PDS3	959
Complex Type pds:Product_Native	960
Complex Type pds:File_Area_Native	960
Complex Type pds:Encoded_Native	961
Complex Type pds:Product_Observational	962
Complex Type pds:Observation_Area	963
Complex Type pds:File_Area_Observational	964
Complex Type pds:File_Area_Observational_Supplemental	965
Complex Type pds:Product_Proxy_PDS3	967
Complex Type pds:Product_SIP	968
Complex Type pds:Submission_Information_Package	968
Complex Type pds:Product_SIP_Deep_Archive	969
Complex Type pds:Information_Package_Component_Deep_Archive	970
Complex Type pds:File_Area_SIP_Deep_Archive	970
Complex Type pds:Manifest_SIP_Deep_Archive	971
Complex Type pds:SIP_Deep_Archive	973
Complex Type pds:Product_SPICE_Kernel	974
Complex Type pds:File_Area_SPICE_Kernel	974
Complex Type pds:SPICE_Kernel	975
Complex Type pds:Product_Service	976
Complex Type pds:File_Area_Service_Description	976
Complex Type pds:Service_Description	977
Complex Type pds:Product_Software	978
Complex Type pds:Software	979
Complex Type pds:Software_Binary	979
Complex Type pds:Software_Script	980
Complex Type pds:Software_Source	981

Complex Type pds:Product_Subscription_PDS3	982
Complex Type pds:Subscriber_PDS3	982
Complex Type pds:Product_Target_PDS3	983
Complex Type pds:Target_PDS3	983
Complex Type pds:Product_Thumbnail	984
Complex Type pds:File_Area_Encoded_Image	984
Complex Type pds:Product_Update	985
Complex Type pds:Update	986
Complex Type pds:Update_Entry	986
Complex Type pds:Product_Volume_PDS3	987
Complex Type pds:Volume_PDS3	987
Complex Type pds:Product_Volume_Set_PDS3	988
Complex Type pds:Volume_Set_PDS3	989
Complex Type pds:Product_XML_Schema	989
Complex Type pds:File_Area_XML_Schema	990
Complex Type pds:XML_Schema	990
Complex Type pds:Product_Zipped	991
Complex Type pds:Zip	992
Complex Type pds:Geometry	992
Complex Type pds:Quaternion	993
Complex Type pds:Quaternion_Component	993
Complex Type pds:Vector	994
Complex Type pds:reference_frame_id	994
Complex Type pds:Vector_Component	995
Complex Type pds:Vector_Cartesian_3	995
Complex Type pds:Vector_Cartesian_3_Acceleration	996
Complex Type pds:Vector_Cartesian_3_Pointing	997
Complex Type pds:Vector_Cartesian_3_Position	998
Complex Type pds:Vector_Cartesian_3_Velocity	999
Namespace: ""	1000
Attribute(s)	1000
Attribute cart:west_bounding_coordinate / @unit	1000
Attribute cart:east_bounding_coordinate / @unit	1000
Attribute cart:north_bounding_coordinate / @unit	1000
Attribute cart:south_bounding_coordinate / @unit	1001
Attribute cart:latitude_resolution / @unit	1001
Attribute cart:longitude_resolution / @unit	1001
Attribute cart:straight_vertical_longitude_from_pole / @unit	1001
Attribute cart:standard_parallel / @unit	1002
Attribute cart:longitude_of_central_meridian / @unit	1002
Attribute cart:azimuthal_angle / @unit	1002
Attribute cart:azimuth_measure_point_longitude / @unit	1003
Attribute cart:oblique_line_latitude / @unit	1003
Attribute cart:oblique_line_longitude / @unit	1003
Attribute cart:latitude_of_projection_origin / @unit	1003
Attribute cart:abscissa_resolution / @unit	1004
Attribute cart:ordinate_resolution / @unit	1004
Attribute cart:distance_resolution / @unit	1004
Attribute cart:bearing_resolution / @unit	1004
Attribute cart:upperleft_corner_x / @unit	1005
Attribute cart:upperleft_corner_y / @unit	1005
Attribute cart:semi_major_radius / @unit	1005
Attribute cart:semi_minor_radius / @unit	1006
Attribute cart:polar_radius / @unit	1006
Attribute pds:file_size / @unit	1006
Attribute pds:offset / @unit	1006
Attribute pds:object_length / @unit	1007
Attribute pds:record_length / @unit	1007
Attribute pds:field_location / @unit	1007
Attribute pds:field_length / @unit	1007
Attribute pds:group_location / @unit	1007
Attribute pds:group_length / @unit	1008
Attribute pds:band_width / @unit	1008
Attribute pds:center_wavelength / @unit	1008
Attribute pds:maximum_record_length / @unit	1008
Attribute pds:maximum_field_length / @unit	1009
Attribute pds:start_date_time / @nilReason	1009
Attribute pds:stop_date_time / @nilReason	1009
Attribute pds:solar_longitude / @unit	1009
Attribute pds:stop_date / @nilReason	1009
Attribute pds:aperture / @unit	1009
Attribute pds:telescope_longitude / @unit	1010

Attribute pds:telescope_latitude / @unit 1010
 Attribute pds:altitude / @unit 1010
 Attribute pds:start_time / @nilReason 1011
 Attribute pds:stop_time / @nilReason 1011
 Attribute pds:publication_date / @nilReason 1011
 Attribute pds:reference_frame_id / @nilReason 1011
 Attribute pds:Vector_Cartesian_3 / @unit 1011
 Attribute pds:Vector_Cartesian_3_Acceleration / @unit 1012
 Attribute pds:Vector_Cartesian_3_Position / @unit 1012
 Attribute pds:Vector_Cartesian_3_Velocity / @unit 1012

Resource hierarchy:

Legend: Import, Include, Redefine, Override, Cycle detected

LDD_cart_1400.xsd

PDS4_PDS_1400.xsd

Namespace: "http://pds.nasa.gov/pds4/cart/v1"

Schema(s)

Main schema LDD_cart_1400.xsd

Namespace	http://pds.nasa.gov/pds4/cart/v1						
Annotations	<p>Contains classes and attributes used to describe cartographic products. This information is largely adapted from the FGDC "Content Standard for Digital Geospatial Metadata".</p> <p>This section contains the simpleTypes that provide more constraints than those at the base data type level. The simpleTypes defined here build on the base data types. This is another component of the common dictionary and therefore falls within the pds namespace.</p>						
Properties	<table border="0"> <tr> <td>attribute form default:</td> <td>unqualified</td> </tr> <tr> <td>element form default:</td> <td>qualified</td> </tr> <tr> <td>version:</td> <td>1.4.0.0</td> </tr> </table>	attribute form default:	unqualified	element form default:	qualified	version:	1.4.0.0
attribute form default:	unqualified						
element form default:	qualified						
version:	1.4.0.0						

Element(s)

Element cart:Bounding_Coordinates

Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	cart:Bounding_Coordinates
Properties	content: complex
Model	cart:west_bounding_coordinate , cart:east_bounding_coordinate , cart:north_bounding_coordinate , cart:south_bounding_coordinate

Children	cart:east_bounding_coordinate, cart:north_bounding_coordinate, cart:south_bounding_coordinate, cart:west_bounding_coordinate
Instance	<pre><cart:Bounding_Coordinates xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:west_bounding_coordinate unit="">{1,1}</cart:west_bounding_coordinate> <cart:east_bounding_coordinate unit="">{1,1}</cart:east_bounding_coordinate> <cart:north_bounding_coordinate unit="">{1,1}</cart:north_bounding_coordinate> <cart:south_bounding_coordinate unit="">{1,1}</cart:south_bounding_coordinate> </cart:Bounding_Coordinates></pre>
Source	<pre><xs:element name="Bounding_Coordinates" type="cart:Bounding_Coordinates"> </xs:element></pre>

Element cart:Bounding_Coordinates / cart:west_bounding_coordinate

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:west_bounding_coordinate		
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • cart:west_bounding_coordinate_WO_Units • cart:west_bounding_coordinate 		
Properties	content:	complex	
	minOccurs:	1	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Angle	required
Source	<pre><xs:element name="west_bounding_coordinate" type="cart:west_bounding_coordinate" minOccurs="1" maxOccurs="1"> </xs:element></pre>		

Element cart:Bounding_Coordinates / cart:east_bounding_coordinate

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:east_bounding_coordinate		
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • cart:east_bounding_coordinate_WO_Units 		

	<ul style="list-style-type: none"> • cart:east_bounding_coordinate 						
Properties	content: complex						
	minOccurs: 1						
	maxOccurs: 1						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Angle</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Angle	required
	QName	Type	Use				
unit	pds:Units_of_Angle	required					
Source	<pre><xs:element name="east_bounding_coordinate" type="cart:east_bounding_coordinate" minOccurs="1" maxOccurs="1" > </xs:element></pre>						

Element cart:Bounding_Coordinates / cart:north_bounding_coordinate

Namespace	http://pds.nasa.gov/pds4/cart/v1						
Diagram							
Type	cart:north_bounding_coordinate						
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • cart:north_bounding_coordinate_WO_Units • cart:north_bounding_coordinate 						
Properties	content: complex						
	minOccurs: 1						
	maxOccurs: 1						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Angle</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Angle	required
	QName	Type	Use				
unit	pds:Units_of_Angle	required					
Source	<pre><xs:element name="north_bounding_coordinate" type="cart:north_bounding_coordinate" minOccurs="1" maxOccurs="1" > </xs:element></pre>						

Element cart:Bounding_Coordinates / cart:south_bounding_coordinate

Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	cart:south_bounding_coordinate

Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:south_bounding_coordinate_WO_Units • cart:south_bounding_coordinate 								
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1		
content:	complex								
minOccurs:	1								
maxOccurs:	1								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Angle</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		unit	pds:Units_of_Angle	required	
QName	Type	Use							
unit	pds:Units_of_Angle	required							
Source	<pre><xs:element name="south_bounding_coordinate" type="cart:south_bounding_coordinate" minOccurs="1" maxOccurs="1"> </xs:element></pre>								

Element cart:Cartography

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:Cartography		
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> </table>	content:	complex
content:	complex		
Model	cart:Spatial_Domain , cart:Spatial_Reference_Information		
Children	cart:Spatial_Domain, cart:Spatial_Reference_Information		
Instance	<pre><cart:Cartography xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:Spatial_Domain>{1,1}</cart:Spatial_Domain> <cart:Spatial_Reference_Information>{1,1}</cart:Spatial_Reference_Information> </cart:Cartography></pre>		
Source	<pre><xs:element name="Cartography" type="cart:Cartography"> </xs:element></pre>		

Element cart:Cartography / cart:Spatial_Domain

Namespace	http://pds.nasa.gov/pds4/cart/v1						
Diagram							
Type	cart:Spatial_Domain						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	cart:Bounding_Coordinates						
Children	cart:Bounding_Coordinates						
Instance	<pre><cart:Spatial_Domain xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:Bounding_Coordinates>{1,1}</cart:Bounding_Coordinates> </cart:Spatial_Domain></pre>						

Source	<code><xs:element name="Spatial_Domain" type="cart:Spatial_Domain" minOccurs="1" maxOccurs="1"> </xs:element></code>
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Element `cart:Spatial_Domain` / `cart:Bounding_Coordinates`

Namespace	http://pds.nasa.gov/pds4/cart/v1						
Diagram							
Type	cart:Bounding_Coordinates						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	cart:west_bounding_coordinate , cart:east_bounding_coordinate , cart:north_bounding_coordinate , cart:south_bounding_coordinate						
Children	cart:east_bounding_coordinate, cart:north_bounding_coordinate, cart:south_bounding_coordinate, cart:west_bounding_coordinate						
Instance	<pre><cart:Bounding_Coordinates xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:west_bounding_coordinate unit="">{1,1}</cart:west_bounding_coordinate> <cart:east_bounding_coordinate unit="">{1,1}</cart:east_bounding_coordinate> <cart:north_bounding_coordinate unit="">{1,1}</cart:north_bounding_coordinate> <cart:south_bounding_coordinate unit="">{1,1}</cart:south_bounding_coordinate> </cart:Bounding_Coordinates></pre>						
Source	<code><xs:element name="Bounding_Coordinates" type="cart:Bounding_Coordinates" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element `cart:Cartography` / `cart:Spatial_Reference_Information`

Namespace	http://pds.nasa.gov/pds4/cart/v1						
Diagram							
Type	cart:Spatial_Reference_Information						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	cart:Horizontal_Coordinate_System_Definition						
Children	cart:Horizontal_Coordinate_System_Definition						
Instance	<pre><cart:Spatial_Reference_Information xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:Horizontal_Coordinate_System_Definition>{1,1}</cart:Horizontal_Coordinate_System_Definition> </cart:Spatial_Reference_Information></pre>						
Source	<code><xs:element name="Spatial_Reference_Information" type="cart:Spatial_Reference_Information" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element cart:Horizontal_Reference_Information / cart:Horizontal_Coordinate_System_Definition

Namespace	http://pds.nasa.gov/pds4/cart/v1						
Diagram							
Type	cart:Horizontal_Coordinate_System_Definition						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	(cart:Geographic cart:Local cart:Planar) , cart:Geodetic_Model{0,1}						
Children	cart:Geodetic_Model, cart:Geographic, cart:Local, cart:Planar						
Instance	<pre><cart:Horizontal_Coordinate_System_Definition xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:Geographic>{1,1}</cart:Geographic> <cart:Local>{1,1}</cart:Local> <cart:Planar>{1,1}</cart:Planar> <cart:Geodetic_Model>{0,1}</cart:Geodetic_Model> </cart:Horizontal_Coordinate_System_Definition></pre>						
Source	<pre><xs:element name="Horizontal_Coordinate_System_Definition" type="cart:Horizontal_Coordinate_System_Definition" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element cart:Horizontal_Coordinate_System_Definition / cart:Geographic

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:Geographic		
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> </table>	content:	complex
content:	complex		
Model	cart:latitude_resolution , cart:longitude_resolution		
Children	cart:latitude_resolution, cart:longitude_resolution		
Instance	<pre><cart:Geographic xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:latitude_resolution unit="">{1,1}</cart:latitude_resolution> <cart:longitude_resolution unit="">{1,1}</cart:longitude_resolution> </cart:Geographic></pre>		
Source	<pre><xs:element name="Geographic" type="cart:Geographic"> </xs:element></pre>		

Element cart:Geographic / cart:latitude_resolution

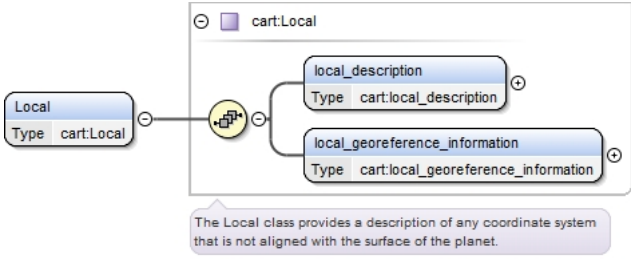
Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram			
Type	cart:latitude_resolution		
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • cart:latitude_resolution_WO_Units • cart:latitude_resolution 		
Properties	content:	complex	
	minOccurs:	1	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Angle	required
Source	<pre><xs:element name="latitude_resolution" type="cart:latitude_resolution" minOccurs="1" maxOccurs="1"> </xs:element></pre>		

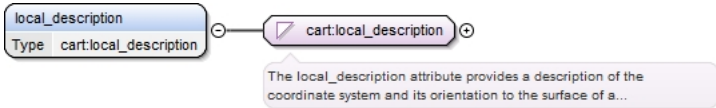
Element cart:Geographic / cart:longitude_resolution

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:longitude_resolution		
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • cart:longitude_resolution_WO_Units • cart:longitude_resolution 		
Properties	content:	complex	
	minOccurs:	1	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Angle	required
Source	<pre><xs:element name="longitude_resolution" type="cart:longitude_resolution" minOccurs="1" maxOccurs="1"> </xs:element></pre>		

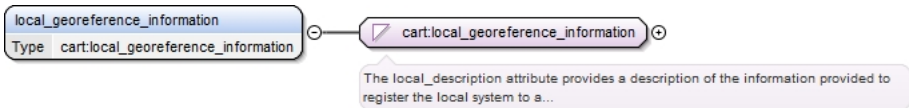
Element `cart:Horizontal_Coordinate_System_Definition` / `cart:Local`

Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	cart:Local
Properties	content: complex
Model	cart:local_description , cart:local_georeference_information
Children	cart:local_description, cart:local_georeference_information
Instance	<pre><cart:Local xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:local_description>{1,1}</cart:local_description> <cart:local_georeference_information>{1,1}</cart:local_georeference_information> </cart:Local></pre>
Source	<pre><xs:element name="Local" type="cart:Local"> </xs:element></pre>

Element `cart:Local` / `cart:local_description`

Namespace	http://pds.nasa.gov/pds4/cart/v1						
Diagram							
Type	cart:local_description						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Text_Preserved cart:local_description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*		
minLength	1						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="local_description" type="cart:local_description" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element `cart:Local` / `cart:local_georeference_information`

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:local_georeference_information		
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Text_Preserved cart:local_georeference_information 		
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> </table>	content:	simple
content:	simple		

	minOccurs: 1
	maxOccurs: 1
Facets	minLength 1
	pattern \p{IsBasicLatin}*
Source	<xs:element name="local_georeference_information" type="cart:local_georeference_information" minOccurs="1" maxOccurs="1"> </xs:element>

Element cart:Horizontal_Coordinate_System_Definition / cart:Planar

Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	cart:Planar
Properties	content: complex
Model	(cart:Grid_Coordinate_System cart:Local_Planar cart:Map_Projection) , cart:Planar_Coordinate_Information , cart:Geo_Transformation{0,1}
Children	cart:Geo_Transformation, cart:Grid_Coordinate_System, cart:Local_Planar, cart:Map_Projection, cart:Planar_Coordinate_Information
Instance	<pre><cart:Planar xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:Grid_Coordinate_System>{1,1}</cart:Grid_Coordinate_System> <cart:Local_Planar>{1,1}</cart:Local_Planar> <cart:Map_Projection>{1,1}</cart:Map_Projection> <cart:Planar_Coordinate_Information>{1,1}</cart:Planar_Coordinate_Information> <cart:Geo_Transformation>{0,1}</cart:Geo_Transformation> </cart:Planar></pre>
Source	<xs:element name="Planar" type="cart:Planar"> </xs:element>

Element cart:Planar / cart:Grid_Coordinate_System

Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	

Type	cart:Grid_Coordinate_System
Properties	content: complex
Model	cart:grid_coordinate_system_name , cart:Universal_Transverse_Mercator{0,1} , cart:Universal_Polar_Stereographic{0,1} , cart:State_Plane_Coordinate_System{0,1}
Children	cart:State_Plane_Coordinate_System, cart:Universal_Polar_Stereographic, cart:Universal_Transverse_Mercator, cart:grid_coordinate_system_name
Instance	<pre><cart:Grid_Coordinate_System xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:grid_coordinate_system_name>{1,1}</cart:grid_coordinate_system_name> <cart:Universal_Transverse_Mercator>{0,1}</cart:Universal_Transverse_Mercator> <cart:Universal_Polar_Stereographic>{0,1}</cart:Universal_Polar_Stereographic> <cart:State_Plane_Coordinate_System>{0,1}</cart:State_Plane_Coordinate_System> </cart:Grid_Coordinate_System></pre>
Source	<pre><xs:element name="Grid_Coordinate_System" type="cart:Grid_Coordinate_System"> </xs:element></pre>

Element cart:Grid_Coordinate_System / cart:grid_coordinate_system_name

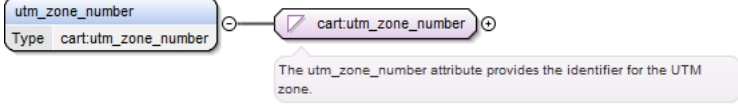
Namespace	http://pds.nasa.gov/pds4/cart/v1						
Diagram							
Type	cart:grid_coordinate_system_name						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed cart:grid_coordinate_system_name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="grid_coordinate_system_name" type="cart:grid_coordinate_system_name" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element cart:Grid_Coordinate_System / cart:Universal_Transverse_Mercator

Namespace	http://pds.nasa.gov/pds4/cart/v1						
Diagram							
Type	cart:Universal_Transverse_Mercator						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	cart:utm_zone_number , cart:Transverse_Mercator						
Children	cart:Transverse_Mercator, cart:utm_zone_number						
Instance	<pre><cart:Universal_Transverse_Mercator xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"></pre>						

	<pre><cart:utm_zone_number>{1,1}</cart:utm_zone_number> <cart:Transverse_Mercator>{1,1}</cart:Transverse_Mercator> </cart:Universal_Transverse_Mercator></pre>
Source	<pre><xs:element name="Universal_Transverse_Mercator" type="cart:Universal_Transverse_Mercator" minOccurs="0" maxOccurs="1"> </xs:element></pre>

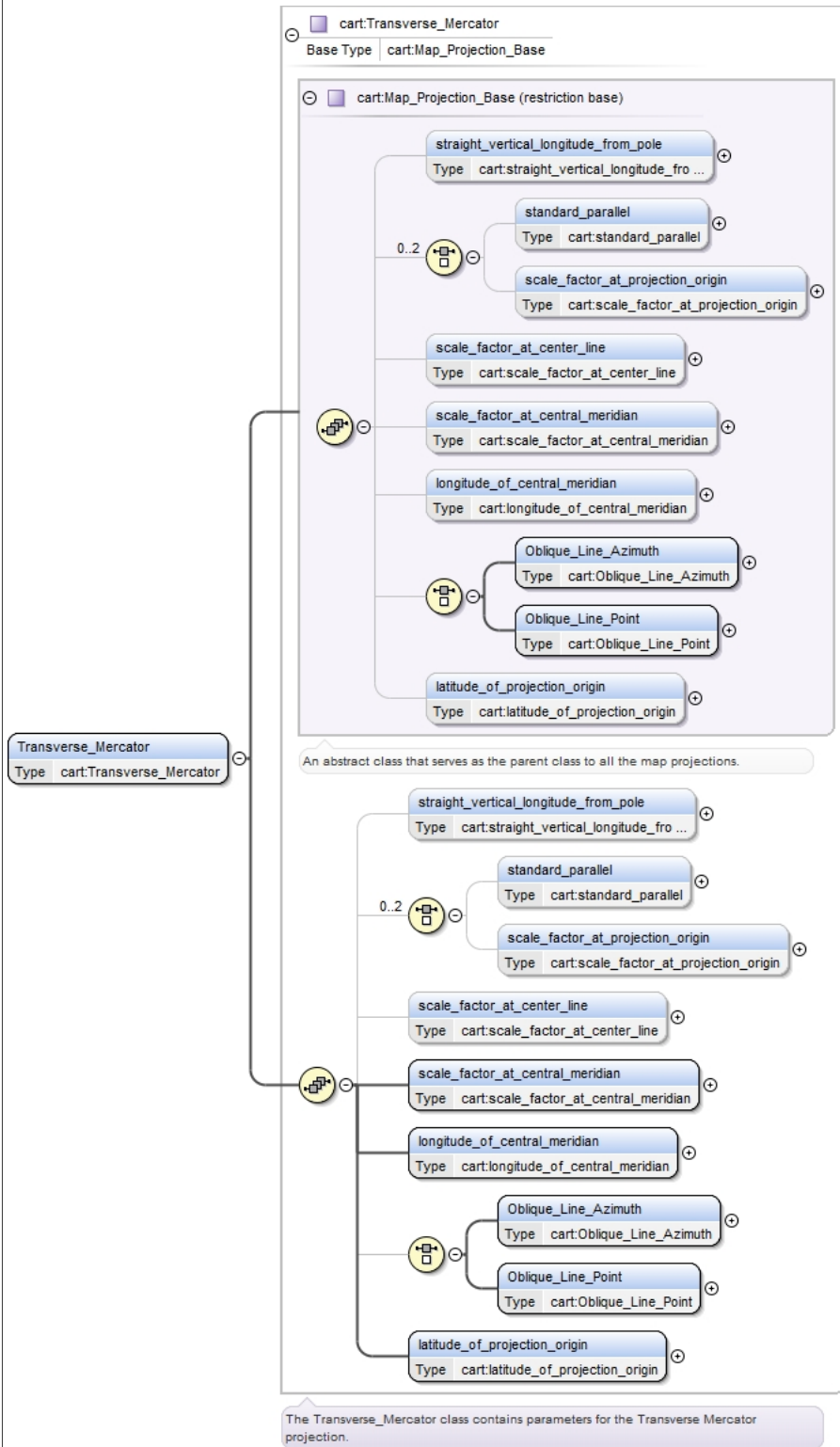
Element `cart:Universal_Transverse_Mercator` / `cart:utm_zone_number`

Namespace	http://pds.nasa.gov/pds4/cart/v1						
Diagram							
Type	cart:utm_zone_number						
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • cart:utm_zone_number 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>maxInclusive</td> <td>60</td> </tr> <tr> <td>minInclusive</td> <td>-60</td> </tr> </table>	maxInclusive	60	minInclusive	-60		
maxInclusive	60						
minInclusive	-60						
Source	<pre><xs:element name="utm_zone_number" type="cart:utm_zone_number" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element `cart:Universal_Transverse_Mercator` / `cart:Transverse_Mercator`

Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram



Type	cart:Transverse_Mercator						
Type hierarchy	<ul style="list-style-type: none"> • cart:Map_Projection_Base • cart:Transverse_Mercator 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						

Model	cart:straight_vertical_longitude_from_pole{0,1} , (cart:standard_parallel{0,1} cart:scale_factor_at_projection_origin{0,1}) , cart:scale_factor_at_center_line{0,1} , cart:scale_factor_at_central_meridian , cart:longitude_of_central_meridian , (cart:Oblique_Line_Azimuth cart:Oblique_Line_Point) , cart:latitude_of_projection_origin
Children	cart:Oblique_Line_Azimuth, cart:Oblique_Line_Point, cart:latitude_of_projection_origin, cart:longitude_of_central_meridian, cart:scale_factor_at_center_line, cart:scale_factor_at_central_meridian, cart:scale_factor_at_projection_origin, cart:standard_parallel, cart:straight_vertical_longitude_from_pole
Instance	<pre><cart:Transverse_Mercator xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:straight_vertical_longitude_from_pole unit="">{0,1}</ cart:straight_vertical_longitude_from_pole> <cart:standard_parallel unit="">{0,1}</cart:standard_parallel> <cart:scale_factor_at_projection_origin>{0,1}</cart:scale_factor_at_projection_origin> <cart:scale_factor_at_center_line>{0,1}</cart:scale_factor_at_center_line> <cart:scale_factor_at_central_meridian>{1,1}</cart:scale_factor_at_central_meridian> <cart:longitude_of_central_meridian unit="">{1,1}</cart:longitude_of_central_meridian> <cart:Oblique_Line_Azimuth>{1,1}</cart:Oblique_Line_Azimuth> <cart:Oblique_Line_Point>{1,1}</cart:Oblique_Line_Point> <cart:latitude_of_projection_origin unit="">{1,1}</cart:latitude_of_projection_origin> </cart:Transverse_Mercator></pre>
Source	<pre><xs:element name="Transverse_Mercator" type="cart:Transverse_Mercator" minOccurs="1" maxOccurs="1"> </xs:element></pre>

Element cart:Map_Projection_Base / cart:straight_vertical_longitude_from_pole

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:straight_vertical_longitude_from_pole		
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:straight_vertical_longitude_from_pole_WO_Units • cart:straight_vertical_longitude_from_pole 		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Angle	required
Source	<pre><xs:element name="straight_vertical_longitude_from_pole" type="cart:straight_vertical_longitude_from_pole" minOccurs="0" maxOccurs="1"> </xs:element></pre>		

Element cart:Map_Projection_Base / cart:standard_parallel

Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram			
Type	cart:standard_parallel		
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real <ul style="list-style-type: none"> cart:standard_parallel_WO_Units cart:standard_parallel 		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Angle	required
Source	<pre><xs:element name="standard_parallel" type="cart:standard_parallel" minOccurs="0" maxOccurs="1"> </xs:element></pre>		

Element cart:Map_Projection_Base / cart:scale_factor_at_projection_origin

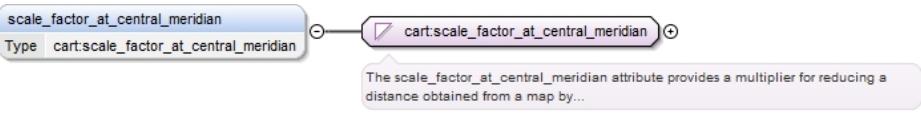
Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:scale_factor_at_projection_origin		
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real <ul style="list-style-type: none"> cart:scale_factor_at_projection_origin 		
Properties	content:	simple	
	minOccurs:	0	
	maxOccurs:	1	
Source	<pre><xs:element name="scale_factor_at_projection_origin" type="cart:scale_factor_at_projection_origin" minOccurs="0" maxOccurs="1"> </xs:element></pre>		

Element cart:Map_Projection_Base / cart:scale_factor_at_center_line

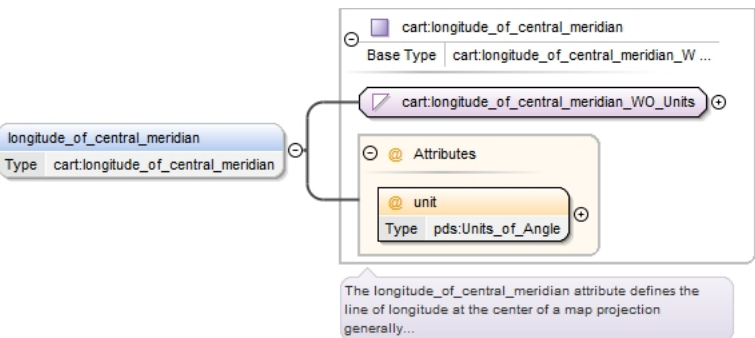
Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:scale_factor_at_center_line		
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real <ul style="list-style-type: none"> cart:scale_factor_at_center_line 		

Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minInclusive	0.0
Source	<pre><xs:element name="scale_factor_at_center_line" type="cart:scale_factor_at_center_line" minOccurs="0" maxOccurs="1"> </xs:element></pre>	

Element `cart:Map_Projection_Base / cart:scale_factor_at_central_meridian`

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:scale_factor_at_central_meridian		
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:scale_factor_at_central_meridian 		
Properties	content:	simple	
	minOccurs:	0	
	maxOccurs:	1	
Facets	minInclusive	0.0	
Source	<pre><xs:element name="scale_factor_at_central_meridian" type="cart:scale_factor_at_central_meridian" minOccurs="0" maxOccurs="1"> </xs:element></pre>		

Element `cart:Map_Projection_Base / cart:longitude_of_central_meridian`

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:longitude_of_central_meridian		
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:longitude_of_central_meridian_WO_Units cart:longitude_of_central_meridian 		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Attributes	QName	Type	Use
	<code>unit</code>	pds:Units_of_Angle	required

Source	<pre><xs:element name="longitude_of_central_meridian" type="cart:longitude_of_central_meridian" minOccurs="0" maxOccurs="1"> </xs:element></pre>
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Element `cart:Map_Projection_Base` / `cart:Oblique_Line_Azimuth`

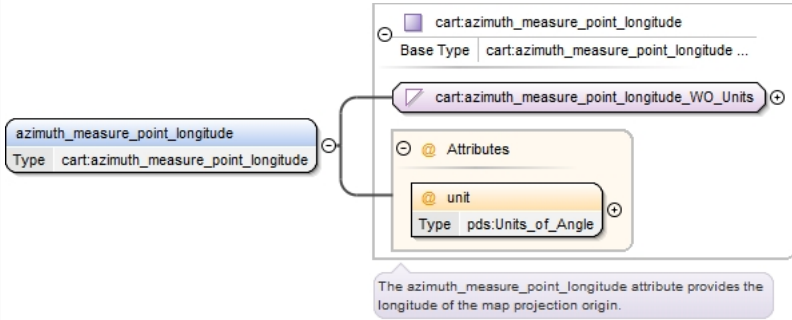
Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	cart:Oblique_Line_Azimuth
Properties	content: complex
Model	cart:azimuthal_angle , cart:azimuth_measure_point_longitude
Children	cart:azimuth_measure_point_longitude, cart:azimuthal_angle
Instance	<pre><cart:Oblique_Line_Azimuth xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:azimuthal_angle unit="">{1,1}</cart:azimuthal_angle> <cart:azimuth_measure_point_longitude unit="">{1,1}</cart:azimuth_measure_point_longitude> </cart:Oblique_Line_Azimuth></pre>
Source	<pre><xs:element name="Oblique_Line_Azimuth" type="cart:Oblique_Line_Azimuth"> </xs:element></pre>

Element `cart:Oblique_Line_Azimuth` / `cart:azimuthal_angle`

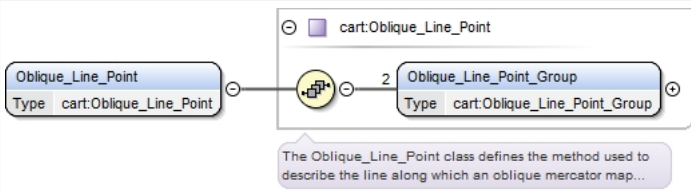
Namespace	http://pds.nasa.gov/pds4/cart/v1						
Diagram							
Type	cart:azimuthal_angle						
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:azimuthal_angle_WO_Units cart:azimuthal_angle 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Angle</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Angle	required
QName	Type	Use					
unit	pds:Units_of_Angle	required					
Source	<pre><xs:element name="azimuthal_angle" type="cart:azimuthal_angle" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element `cart:Oblique_Line_Azimuth` / `cart:azimuth_measure_point_longitude`

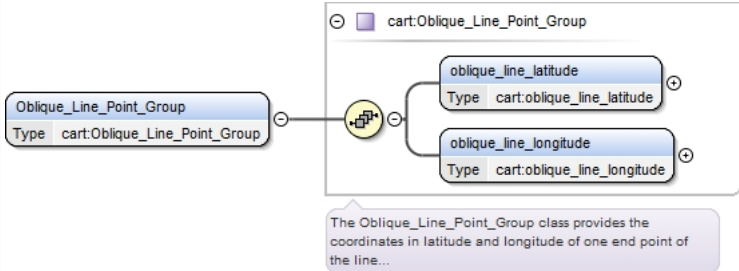
Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram			
Type	cart:azimuth_measure_point_longitude		
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real <ul style="list-style-type: none"> cart:azimuth_measure_point_longitude_WO_Units cart:azimuth_measure_point_longitude 		
Properties	content:	complex	
	minOccurs:	1	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Angle	required
Source	<pre><xs:element name="azimuth_measure_point_longitude" type="cart:azimuth_measure_point_longitude" minOccurs="1" maxOccurs="1"> </xs:element></pre>		

Element cart:Map_Projection_Base / cart:Oblique_Line_Point

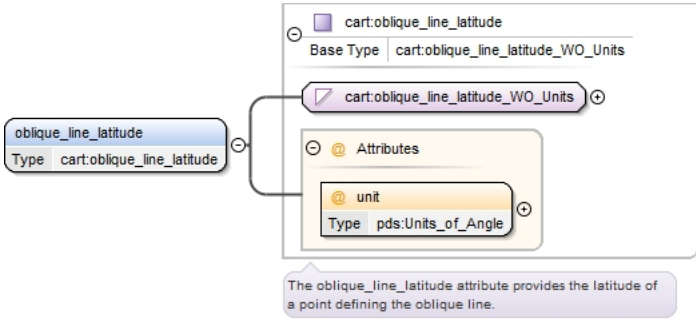
Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:Oblique_Line_Point		
Properties	content:	complex	
Model	cart:Oblique_Line_Point_Group{2,2}		
Children	cart:Oblique_Line_Point_Group		
Instance	<pre><cart:Oblique_Line_Point xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:Oblique_Line_Point_Group>{2,2}</cart:Oblique_Line_Point_Group> </cart:Oblique_Line_Point></pre>		
Source	<pre><xs:element name="Oblique_Line_Point" type="cart:Oblique_Line_Point"> </xs:element></pre>		

Element cart:Oblique_Line_Point / cart:Oblique_Line_Point_Group

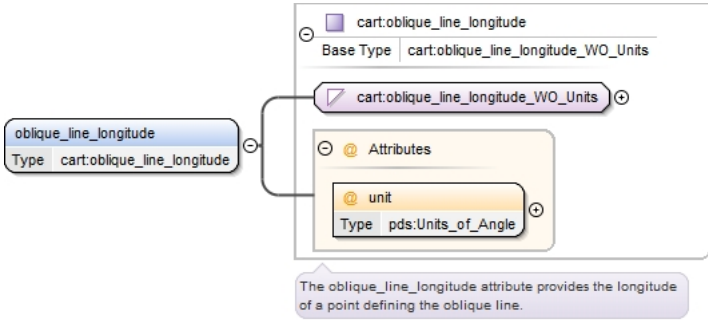
Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			

Type	cart:Oblique_Line_Point_Group
Properties	content: complex
	minOccurs: 2
	maxOccurs: 2
Model	cart:oblique_line_latitude , cart:oblique_line_longitude
Children	cart:oblique_line_latitude, cart:oblique_line_longitude
Instance	<pre><cart:Oblique_Line_Point_Group xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:oblique_line_latitude unit="">{1,1}</cart:oblique_line_latitude> <cart:oblique_line_longitude unit="">{1,1}</cart:oblique_line_longitude> </cart:Oblique_Line_Point_Group></pre>
Source	<pre><xs:element name="Oblique_Line_Point_Group" type="cart:Oblique_Line_Point_Group" minOccurs="2" maxOccurs="2"> </xs:element></pre>

Element cart:Oblique_Line_Point_Group / cart:oblique_line_latitude

Namespace	http://pds.nasa.gov/pds4/cart/v1										
Diagram											
Type	cart:oblique_line_latitude										
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:oblique_line_latitude_WO_Units • cart:oblique_line_latitude 										
Properties	content: complex										
	minOccurs: 1										
	maxOccurs: 1										
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Angle</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		unit	pds:Units_of_Angle	required			
QName	Type	Use									
unit	pds:Units_of_Angle	required									
Source	<pre><xs:element name="oblique_line_latitude" type="cart:oblique_line_latitude" minOccurs="1" maxOccurs="1"> </xs:element></pre>										

Element cart:Oblique_Line_Point_Group / cart:oblique_line_longitude

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:oblique_line_longitude		

Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:oblique_line_longitude_WO_Units • cart:oblique_line_longitude 								
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1		
content:	complex								
minOccurs:	1								
maxOccurs:	1								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Angle</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		unit	pds:Units_of_Angle	required	
QName	Type	Use							
unit	pds:Units_of_Angle	required							
Source	<pre><xs:element name="oblique_line_longitude" type="cart:oblique_line_longitude" minOccurs="1" maxOccurs="1"> </xs:element></pre>								

Element cart:Map_Projection_Base / cart:latitude_of_projection_origin

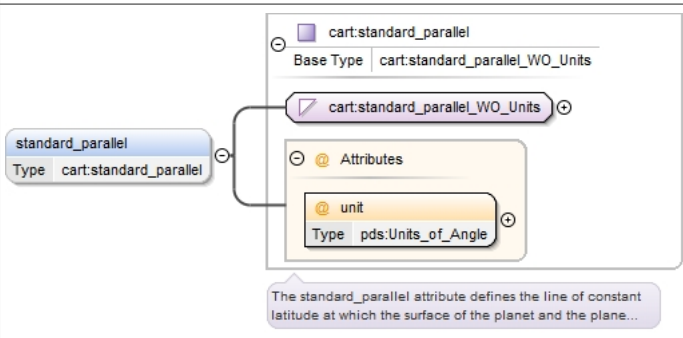
Namespace	http://pds.nasa.gov/pds4/cart/v1								
Diagram									
Type	cart:latitude_of_projection_origin								
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:latitude_of_projection_origin_WO_Units • cart:latitude_of_projection_origin 								
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1		
content:	complex								
minOccurs:	0								
maxOccurs:	1								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Angle</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		unit	pds:Units_of_Angle	required	
QName	Type	Use							
unit	pds:Units_of_Angle	required							
Source	<pre><xs:element name="latitude_of_projection_origin" type="cart:latitude_of_projection_origin" minOccurs="0" maxOccurs="1"> </xs:element></pre>								

Element cart:Transverse_Mercator / cart:straight_vertical_longitude_from_pole

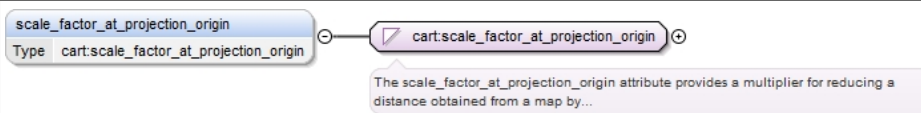
Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	

Type	cart:straight_vertical_longitude_from_pole		
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:straight_vertical_longitude_from_pole_WO_Units cart:straight_vertical_longitude_from_pole 		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Angle	required
Source	<pre><xs:element name="straight_vertical_longitude_from_pole" type="cart:straight_vertical_longitude_from_pole" minOccurs="0" maxOccurs="1" /></pre>		

Element cart:Transverse_Mercator / cart:standard_parallel

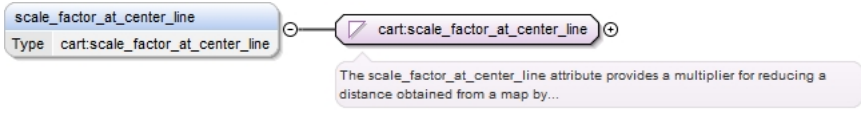
Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:standard_parallel		
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:standard_parallel_WO_Units cart:standard_parallel 		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Angle	required
Source	<pre><xs:element name="standard_parallel" type="cart:standard_parallel" minOccurs="0" maxOccurs="1" /></pre>		

Element cart:Transverse_Mercator / cart:scale_factor_at_projection_origin

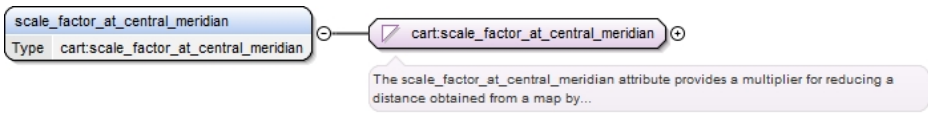
Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:scale_factor_at_projection_origin		
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:scale_factor_at_projection_origin 		

Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Source	<pre><xs:element name="scale_factor_at_projection_origin" type="cart:scale_factor_at_projection_origin" minOccurs="0" maxOccurs="1"> </xs:element></pre>	

Element cart:Transverse_Mercator / cart:scale_factor_at_center_line

Namespace	http://pds.nasa.gov/pds4/cart/v1	
Diagram		
Type	cart:scale_factor_at_center_line	
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • cart:scale_factor_at_center_line 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minInclusive	0.0
Source	<pre><xs:element name="scale_factor_at_center_line" type="cart:scale_factor_at_center_line" minOccurs="0" maxOccurs="1"> </xs:element></pre>	

Element cart:Transverse_Mercator / cart:scale_factor_at_central_meridian

Namespace	http://pds.nasa.gov/pds4/cart/v1	
Diagram		
Type	cart:scale_factor_at_central_meridian	
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • cart:scale_factor_at_central_meridian 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minInclusive	0.0
Source	<pre><xs:element name="scale_factor_at_central_meridian" type="cart:scale_factor_at_central_meridian" minOccurs="1" maxOccurs="1"> </xs:element></pre>	

Element cart:Transverse_Mercator / cart:longitude_of_central_meridian

Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram			
Type	cart:longitude_of_central_meridian		
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • cart:longitude_of_central_meridian_WO_Units • cart:longitude_of_central_meridian 		
Properties	content:	complex	
	minOccurs:	1	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Angle	required
Source	<pre><xs:element name="longitude_of_central_meridian" type="cart:longitude_of_central_meridian" minOccurs="1" maxOccurs="1" /> </xs:element></pre>		

Element cart:Transverse_Mercator / cart:Oblique_Line_Azimuth

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:Oblique_Line_Azimuth		
Properties	content:	complex	
Model	cart:azimuthal_angle , cart:azimuth_measure_point_longitude		
Children	cart:azimuth_measure_point_longitude, cart:azimuthal_angle		
Instance	<pre><cart:Oblique_Line_Azimuth xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:azimuthal_angle unit="">{1,1}</cart:azimuthal_angle> <cart:azimuth_measure_point_longitude unit="">{1,1}</cart:azimuth_measure_point_longitude> </cart:Oblique_Line_Azimuth></pre>		
Source	<pre><xs:element name="Oblique_Line_Azimuth" type="cart:Oblique_Line_Azimuth" /> </xs:element></pre>		

Element cart:Transverse_Mercator / cart:Oblique_Line_Point

Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram	
Type	cart:Oblique_Line_Point
Properties	content: complex
Model	cart:Oblique_Line_Point_Group{2,2}
Children	cart:Oblique_Line_Point_Group
Instance	<pre><cart:Oblique_Line_Point xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:Oblique_Line_Point_Group>{2,2}</cart:Oblique_Line_Point_Group> </cart:Oblique_Line_Point></pre>
Source	<pre><xs:element name="Oblique_Line_Point" type="cart:Oblique_Line_Point"> </xs:element></pre>

Element cart:Transverse_Mercator / cart:latitude_of_projection_origin

Namespace	http://pds.nasa.gov/pds4/cart/v1								
Diagram									
Type	cart:latitude_of_projection_origin								
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:latitude_of_projection_origin_WO_Units • cart:latitude_of_projection_origin 								
Properties	content: complex	minOccurs: 1	maxOccurs: 1						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Angle</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Angle	required		
QName	Type	Use							
unit	pds:Units_of_Angle	required							
Source	<pre><xs:element name="latitude_of_projection_origin" type="cart:latitude_of_projection_origin" minOccurs="1" maxOccurs="1"> </xs:element></pre>								

Element cart:Grid_Coordinate_System / cart:Universal_Polar_Stereographic

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Source	<pre><xs:element name="Universal_Polar_Stereographic" type="cart:Universal_Polar_Stereographic"> </xs:element></pre>		

Type	cart:Universal_Polar_Stereographic
Properties	content: complex
	minOccurs: 0
	maxOccurs: 1
Model	cart:ups_zone_identifier , cart:Polar_Stereographic
Children	cart:Polar_Stereographic, cart:ups_zone_identifier
Instance	<pre><cart:Universal_Polar_Stereographic xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:ups_zone_identifier>{1,1}</cart:ups_zone_identifier> <cart:Polar_Stereographic>{1,1}</cart:Polar_Stereographic> </cart:Universal_Polar_Stereographic></pre>
Source	<pre><xs:element name="Universal_Polar_Stereographic" type="cart:Universal_Polar_Stereographic" minOccurs="0" maxOccurs="1"> </xs:element></pre>

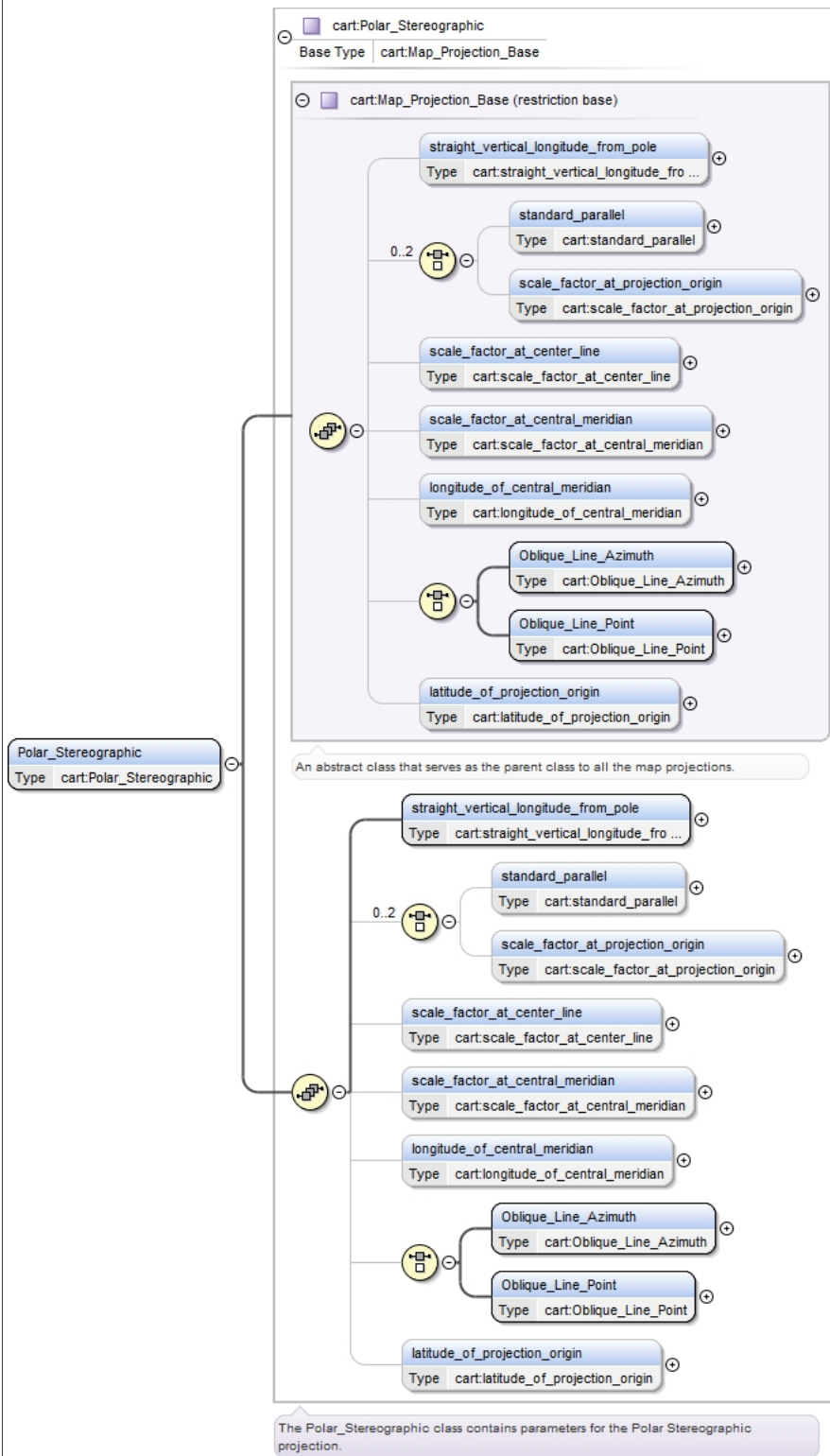
Element cart:Universal_Polar_Stereographic / cart:ups_zone_identifier

Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	cart:ups_zone_identifier
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed cart:ups_zone_identifier
Properties	content: simple
	minOccurs: 1
	maxOccurs: 1
Facets	minLength 1
	maxLength 255
	pattern \p{IsBasicLatin}*
Source	<pre><xs:element name="ups_zone_identifier" type="cart:ups_zone_identifier" minOccurs="1" maxOccurs="1"> </xs:element></pre>

Element cart:Universal_Polar_Stereographic / cart:Polar_Stereographic

Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram



Type	<code>cart:Polar_Stereographic</code>						
Type hierarchy	<ul style="list-style-type: none"> <code>cart:Map_Projection_Base</code> <code>cart:Polar_Stereographic</code> 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						

Model	cart:straight_vertical_longitude_from_pole , (cart:standard_parallel{0,1} cart:scale_factor_at_projection_origin{0,1}) , cart:scale_factor_at_center_line{0,1} , cart:scale_factor_at_central_meridian{0,1} , cart:longitude_of_central_meridian{0,1} , (cart:Oblique_Line_Azimuth cart:Oblique_Line_Point) , cart:latitude_of_projection_origin{0,1}
Children	cart:Oblique_Line_Azimuth, cart:Oblique_Line_Point, cart:latitude_of_projection_origin, cart:longitude_of_central_meridian, cart:scale_factor_at_center_line, cart:scale_factor_at_central_meridian, cart:scale_factor_at_projection_origin, cart:standard_parallel, cart:straight_vertical_longitude_from_pole
Instance	<pre><cart:Polar_Stereographic xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:straight_vertical_longitude_from_pole unit="">{1,1}</ cart:straight_vertical_longitude_from_pole> <cart:standard_parallel unit="">{0,1}</cart:standard_parallel> <cart:scale_factor_at_projection_origin>{0,1}</cart:scale_factor_at_projection_origin> <cart:scale_factor_at_center_line>{0,1}</cart:scale_factor_at_center_line> <cart:scale_factor_at_central_meridian>{0,1}</cart:scale_factor_at_central_meridian> <cart:longitude_of_central_meridian unit="">{0,1}</cart:longitude_of_central_meridian> <cart:Oblique_Line_Azimuth>{1,1}</cart:Oblique_Line_Azimuth> <cart:Oblique_Line_Point>{1,1}</cart:Oblique_Line_Point> <cart:latitude_of_projection_origin unit="">{0,1}</cart:latitude_of_projection_origin> </cart:Polar_Stereographic></pre>
Source	<pre><xs:element name="Polar_Stereographic" type="cart:Polar_Stereographic" minOccurs="1" maxOccurs="1"> </xs:element></pre>

Element cart:Polar_Stereographic / cart:straight_vertical_longitude_from_pole

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:straight_vertical_longitude_from_pole		
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:straight_vertical_longitude_from_pole_WO_Units • cart:straight_vertical_longitude_from_pole 		
Properties	content:	complex	
	minOccurs:	1	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Angle	required
Source	<pre><xs:element name="straight_vertical_longitude_from_pole" type="cart:straight_vertical_longitude_from_pole" minOccurs="1" maxOccurs="1"> </xs:element></pre>		

Element cart:Polar_Stereographic / cart:standard_parallel

Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram			
Type	cart:standard_parallel		
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real <ul style="list-style-type: none"> cart:standard_parallel_WO_Units cart:standard_parallel 		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Angle	required
Source	<pre><xs:element name="standard_parallel" type="cart:standard_parallel" minOccurs="0" maxOccurs="1"> </xs:element></pre>		

Element cart:Polar_Stereographic / cart:scale_factor_at_projection_origin

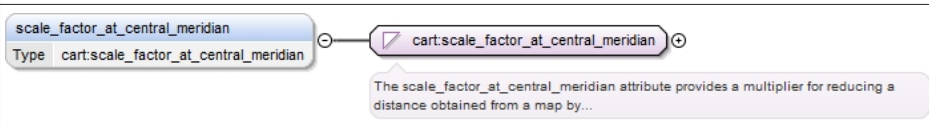
Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:scale_factor_at_projection_origin		
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real <ul style="list-style-type: none"> cart:scale_factor_at_projection_origin 		
Properties	content:	simple	
	minOccurs:	0	
	maxOccurs:	1	
Source	<pre><xs:element name="scale_factor_at_projection_origin" type="cart:scale_factor_at_projection_origin" minOccurs="0" maxOccurs="1"> </xs:element></pre>		

Element cart:Polar_Stereographic / cart:scale_factor_at_center_line

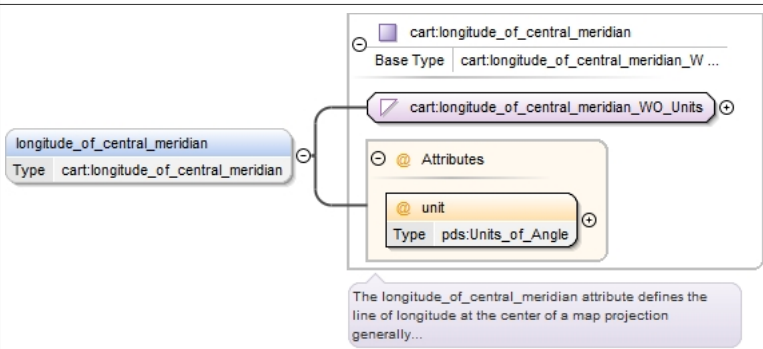
Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:scale_factor_at_center_line		
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real <ul style="list-style-type: none"> cart:scale_factor_at_center_line 		

Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minInclusive	0.0
Source	<pre><xs:element name="scale_factor_at_center_line" type="cart:scale_factor_at_center_line" minOccurs="0" maxOccurs="1"> </xs:element></pre>	

Element `cart:Polar_Stereographic / cart:scale_factor_at_central_meridian`

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:scale_factor_at_central_meridian		
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:scale_factor_at_central_meridian 		
Properties	content:	simple	
	minOccurs:	0	
	maxOccurs:	1	
Facets	minInclusive	0.0	
Source	<pre><xs:element name="scale_factor_at_central_meridian" type="cart:scale_factor_at_central_meridian" minOccurs="0" maxOccurs="1"> </xs:element></pre>		

Element `cart:Polar_Stereographic / cart:longitude_of_central_meridian`

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:longitude_of_central_meridian		
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:longitude_of_central_meridian_WO_Units cart:longitude_of_central_meridian 		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Angle	required
Source	<pre><xs:element name="longitude_of_central_meridian" type="cart:longitude_of_central_meridian" minOccurs="0" maxOccurs="1"></pre>		

</xs:element>

Element `cart:Polar_Stereographic / cart:Oblique_Line_Azimuth`

Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	cart:Oblique_Line_Azimuth
Properties	content: complex
Model	cart:azimuthal_angle, cart:azimuth_measure_point_longitude
Children	cart:azimuth_measure_point_longitude, cart:azimuthal_angle
Instance	<pre><cart:Oblique_Line_Azimuth xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:azimuthal_angle unit="">{1,1}</cart:azimuthal_angle> <cart:azimuth_measure_point_longitude unit="">{1,1}</cart:azimuth_measure_point_longitude> </cart:Oblique_Line_Azimuth></pre>
Source	<pre><xs:element name="Oblique_Line_Azimuth" type="cart:Oblique_Line_Azimuth"> </xs:element></pre>

Element `cart:Polar_Stereographic / cart:Oblique_Line_Point`

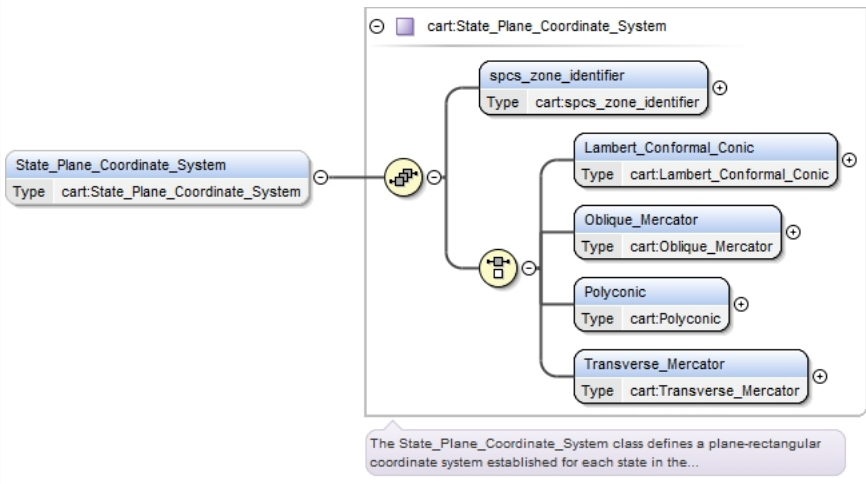
Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	cart:Oblique_Line_Point
Properties	content: complex
Model	cart:Oblique_Line_Point_Group{2,2}
Children	cart:Oblique_Line_Point_Group
Instance	<pre><cart:Oblique_Line_Point xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:Oblique_Line_Point_Group>{2,2}</cart:Oblique_Line_Point_Group> </cart:Oblique_Line_Point></pre>
Source	<pre><xs:element name="Oblique_Line_Point" type="cart:Oblique_Line_Point"> </xs:element></pre>

Element `cart:Polar_Stereographic / cart:latitude_of_projection_origin`


Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	cart:latitude_of_projection_origin
Properties	content: simple
Model	cart:latitude_of_projection_origin_W..., pds:Units_of_Angle
Children	Attributes (unit)
Instance	<pre><cart:latitude_of_projection_origin unit="">{1,1}</cart:latitude_of_projection_origin></pre>
Source	<pre><xs:attribute name="latitude_of_projection_origin" type="cart:latitude_of_projection_origin_W..."> </xs:attribute></pre>

Type	cart:latitude_of_projection_origin			
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:latitude_of_projection_origin_WO_Units • cart:latitude_of_projection_origin 			
Properties	content:	complex		
	minOccurs:	0		
	maxOccurs:	1		
Attributes	QName	Type	Use	
	unit	pds:Units_of_Angle	required	
Source	<pre><xs:element name="latitude_of_projection_origin" type="cart:latitude_of_projection_origin" minOccurs="0" maxOccurs="1"> </xs:element></pre>			

Element cart:Grid_Coordinate_System / cart:State_Plane_Coordinate_System

Namespace	http://pds.nasa.gov/pds4/cart/v1			
Diagram				
Type	cart:State_Plane_Coordinate_System			
Properties	content:	complex		
	minOccurs:	0		
	maxOccurs:	1		
Model	cart:spcs_zone_identifier , (cart:Lambert_Conformal_Conic cart:Oblique_Mercator cart:Polyconic cart:Transverse_Mercator)			
Children	cart:Lambert_Conformal_Conic, cart:Oblique_Mercator, cart:Polyconic, cart:Transverse_Mercator, cart:spcs_zone_identifier			
Instance	<pre><cart:State_Plane_Coordinate_System xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:spcs_zone_identifier>{1,1}</cart:spcs_zone_identifier> <cart:Lambert_Conformal_Conic>{1,1}</cart:Lambert_Conformal_Conic> <cart:Oblique_Mercator>{1,1}</cart:Oblique_Mercator> <cart:Polyconic>{1,1}</cart:Polyconic> <cart:Transverse_Mercator>{1,1}</cart:Transverse_Mercator> </cart:State_Plane_Coordinate_System></pre>			
Source	<pre><xs:element name="State_Plane_Coordinate_System" type="cart:State_Plane_Coordinate_System" minOccurs="0" maxOccurs="1"> </xs:element></pre>			

Element cart:State_Plane_Coordinate_System / cart:spcs_zone_identifier

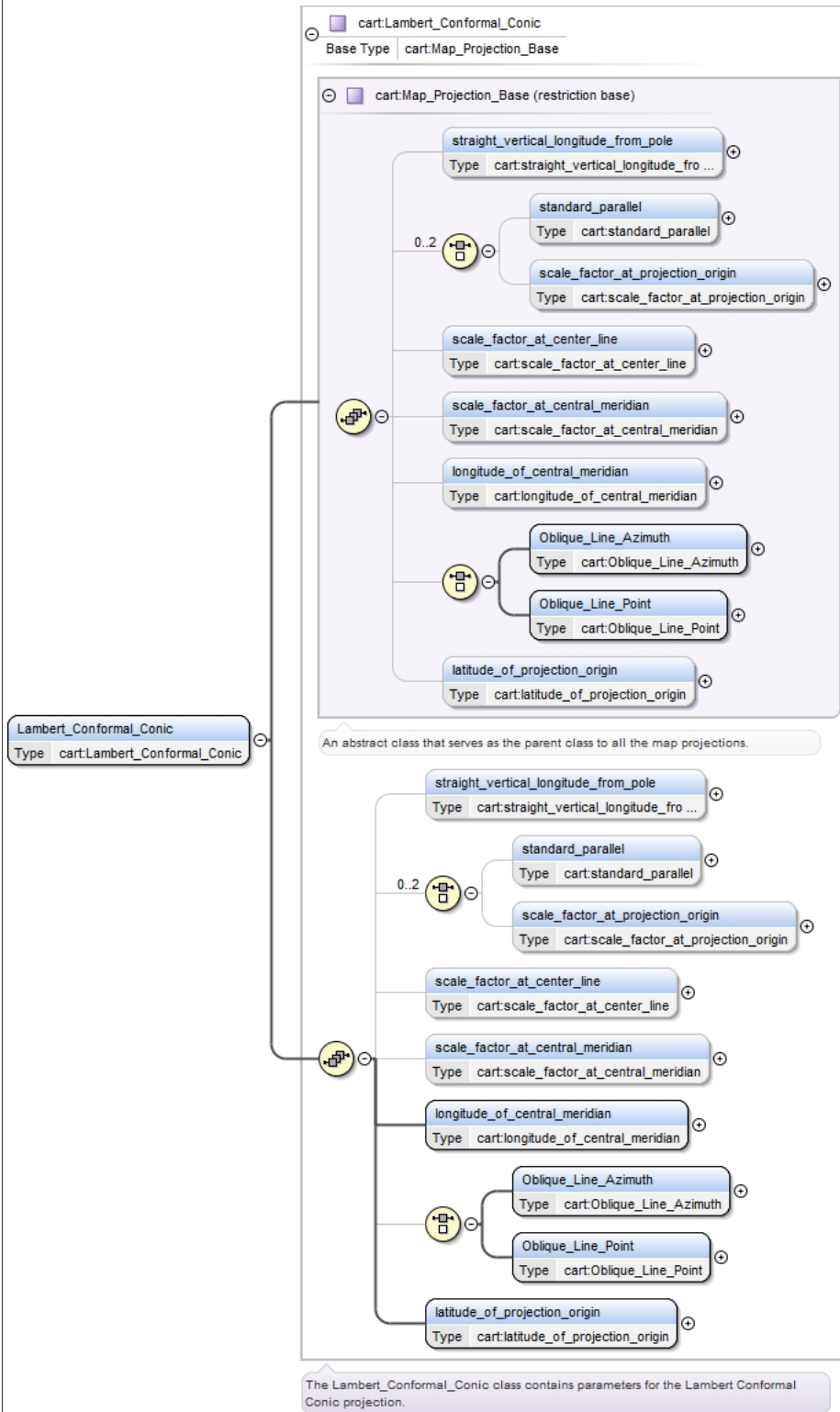
Namespace	http://pds.nasa.gov/pds4/cart/v1			
Diagram				

Type	cart:spcs_zone_identifier						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • cart:spcs_zone_identifier 						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 150px;">content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 150px;">minLength</td> <td>4</td> </tr> <tr> <td>maxLength</td> <td>4</td> </tr> <tr> <td>pattern</td> <td>(\p{IsBasicLatin}*) & ([0-9][0-9][0-9][0-9])</td> </tr> </table>	minLength	4	maxLength	4	pattern	(\p{IsBasicLatin}*) & ([0-9][0-9][0-9][0-9])
minLength	4						
maxLength	4						
pattern	(\p{IsBasicLatin}*) & ([0-9][0-9][0-9][0-9])						
Source	<pre><xs:element name="spcs_zone_identifier" type="cart:spcs_zone_identifier" minOccurs="1" maxOccurs="1" /></pre>						

Element cart:State_Plane_Coordinate_System / cart:Lambert_Conformal_Conic

Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram



Type	<code>cart:Lambert_Conformal_Conic</code>
Type hierarchy	<ul style="list-style-type: none"> <code>cart:Map_Projection_Base</code> <code>cart:Lambert_Conformal_Conic</code>
Properties	content: complex
Model	<code>cart:straight_vertical_longitude_from_pole{0,1}</code> , <code>(cart:standard_parallel{0,1} cart:scale_factor_at_projection_origin{0,1})</code> , <code>cart:scale_factor_at_center_line{0,1}</code> , <code>cart:scale_factor_at_central_meridian{0,1}</code> , <code>cart:longitude_of_central_meridian</code> , <code>(cart:Oblique_Line_Azimuth cart:Oblique_Line_Point)</code> , <code>cart:latitude_of_projection_origin</code>

Children	cart:Oblique_Line_Azimuth, cart:Oblique_Line_Point, cart:latitude_of_projection_origin, cart:longitude_of_central_meridian, cart:scale_factor_at_center_line, cart:scale_factor_at_central_meridian, cart:scale_factor_at_projection_origin, cart:standard_parallel, cart:straight_vertical_longitude_from_pole
Instance	<pre><cart:Lambert_Conformal_Conic xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:straight_vertical_longitude_from_pole unit="">{0,1}</ cart:straight_vertical_longitude_from_pole> <cart:standard_parallel unit="">{0,1}</cart:standard_parallel> <cart:scale_factor_at_projection_origin>{0,1}</cart:scale_factor_at_projection_origin> <cart:scale_factor_at_center_line>{0,1}</cart:scale_factor_at_center_line> <cart:scale_factor_at_central_meridian>{0,1}</cart:scale_factor_at_central_meridian> <cart:longitude_of_central_meridian unit="">{1,1}</cart:longitude_of_central_meridian> <cart:Oblique_Line_Azimuth>{1,1}</cart:Oblique_Line_Azimuth> <cart:Oblique_Line_Point>{1,1}</cart:Oblique_Line_Point> <cart:latitude_of_projection_origin unit="">{1,1}</cart:latitude_of_projection_origin> </cart:Lambert_Conformal_Conic></pre>
Source	<pre><xs:element name="Lambert_Conformal_Conic" type="cart:Lambert_Conformal_Conic"> </xs:element></pre>

Element cart:Lambert_Conformal_Conic / cart:straight_vertical_longitude_from_pole

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:straight_vertical_longitude_from_pole		
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:straight_vertical_longitude_from_pole_WO_Units cart:straight_vertical_longitude_from_pole 		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Angle	required
Source	<pre><xs:element name="straight_vertical_longitude_from_pole" type="cart:straight_vertical_longitude_from_pole" minOccurs="0" maxOccurs="1"> </xs:element></pre>		

Element cart:Lambert_Conformal_Conic / cart:standard_parallel

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			

Type	cart:standard_parallel			
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:standard_parallel_WO_Units • cart:standard_parallel 			
Properties	content:	complex		
	minOccurs:	0		
	maxOccurs:	1		
Attributes	QName	Type	Use	
	unit	pds:Units_of_Angle	required	
Source	<pre><xs:element name="standard_parallel" type="cart:standard_parallel" minOccurs="0" maxOccurs="1"> </xs:element></pre>			

Element cart:Lambert_Conformal_Conic / cart:scale_factor_at_projection_origin

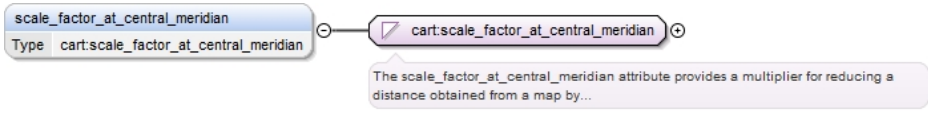
Namespace	http://pds.nasa.gov/pds4/cart/v1			
Diagram				
Type	cart:scale_factor_at_projection_origin			
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:scale_factor_at_projection_origin 			
Properties	content:	simple		
	minOccurs:	0		
	maxOccurs:	1		
Source	<pre><xs:element name="scale_factor_at_projection_origin" type="cart:scale_factor_at_projection_origin" minOccurs="0" maxOccurs="1"> </xs:element></pre>			

Element cart:Lambert_Conformal_Conic / cart:scale_factor_at_center_line

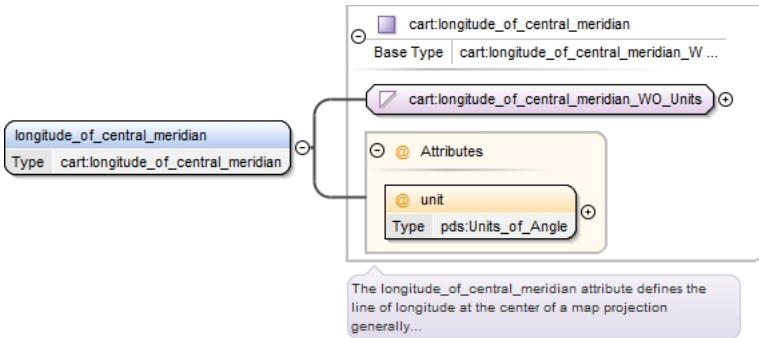
Namespace	http://pds.nasa.gov/pds4/cart/v1			
Diagram				
Type	cart:scale_factor_at_center_line			
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:scale_factor_at_center_line 			
Properties	content:	simple		
	minOccurs:	0		
	maxOccurs:	1		
Facets	minInclusive	0.0		
Source	<pre><xs:element name="scale_factor_at_center_line" type="cart:scale_factor_at_center_line" minOccurs="0" maxOccurs="1"> </xs:element></pre>			

Element cart:Lambert_Conformal_Conic / cart:scale_factor_at_central_meridian

Namespace	http://pds.nasa.gov/pds4/cart/v1			
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Diagram							
Type	cart:scale_factor_at_central_meridian						
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:scale_factor_at_central_meridian 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minInclusive</td> <td>0.0</td> </tr> </table>	minInclusive	0.0				
minInclusive	0.0						
Source	<pre><xs:element name="scale_factor_at_central_meridian" type="cart:scale_factor_at_central_meridian" minOccurs="0" maxOccurs="1" /></pre>						

Element cart:Lambert_Conformal_Conic / cart:longitude_of_central_meridian

Namespace	http://pds.nasa.gov/pds4/cart/v1								
Diagram									
Type	cart:longitude_of_central_meridian								
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:longitude_of_central_meridian_WO_Units cart:longitude_of_central_meridian 								
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>			content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex								
minOccurs:	1								
maxOccurs:	1								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Angle</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Angle	required		
QName	Type	Use							
unit	pds:Units_of_Angle	required							
Source	<pre><xs:element name="longitude_of_central_meridian" type="cart:longitude_of_central_meridian" minOccurs="1" maxOccurs="1" /></pre>								

Element cart:Lambert_Conformal_Conic / cart:Oblique_Line_Azimuth

Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram	
Type	cart:Oblique_Line_Azimuth
Properties	content: complex
Model	cart:azimuthal_angle , cart:azimuth_measure_point_longitude
Children	cart:azimuth_measure_point_longitude, cart:azimuthal_angle
Instance	<pre><cart:Oblique_Line_Azimuth xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:azimuthal_angle unit="">{1,1}</cart:azimuthal_angle> <cart:azimuth_measure_point_longitude unit="">{1,1}</cart:azimuth_measure_point_longitude> </cart:Oblique_Line_Azimuth></pre>
Source	<pre><xs:element name="Oblique_Line_Azimuth" type="cart:Oblique_Line_Azimuth"> </xs:element></pre>

Element cart:Lambert_Conformal_Conic / cart:Oblique_Line_Point

Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	cart:Oblique_Line_Point
Properties	content: complex
Model	cart:Oblique_Line_Point_Group{2,2}
Children	cart:Oblique_Line_Point_Group
Instance	<pre><cart:Oblique_Line_Point xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:Oblique_Line_Point_Group>{2,2}</cart:Oblique_Line_Point_Group> </cart:Oblique_Line_Point></pre>
Source	<pre><xs:element name="Oblique_Line_Point" type="cart:Oblique_Line_Point"> </xs:element></pre>

Element cart:Lambert_Conformal_Conic / cart:latitude_of_projection_origin

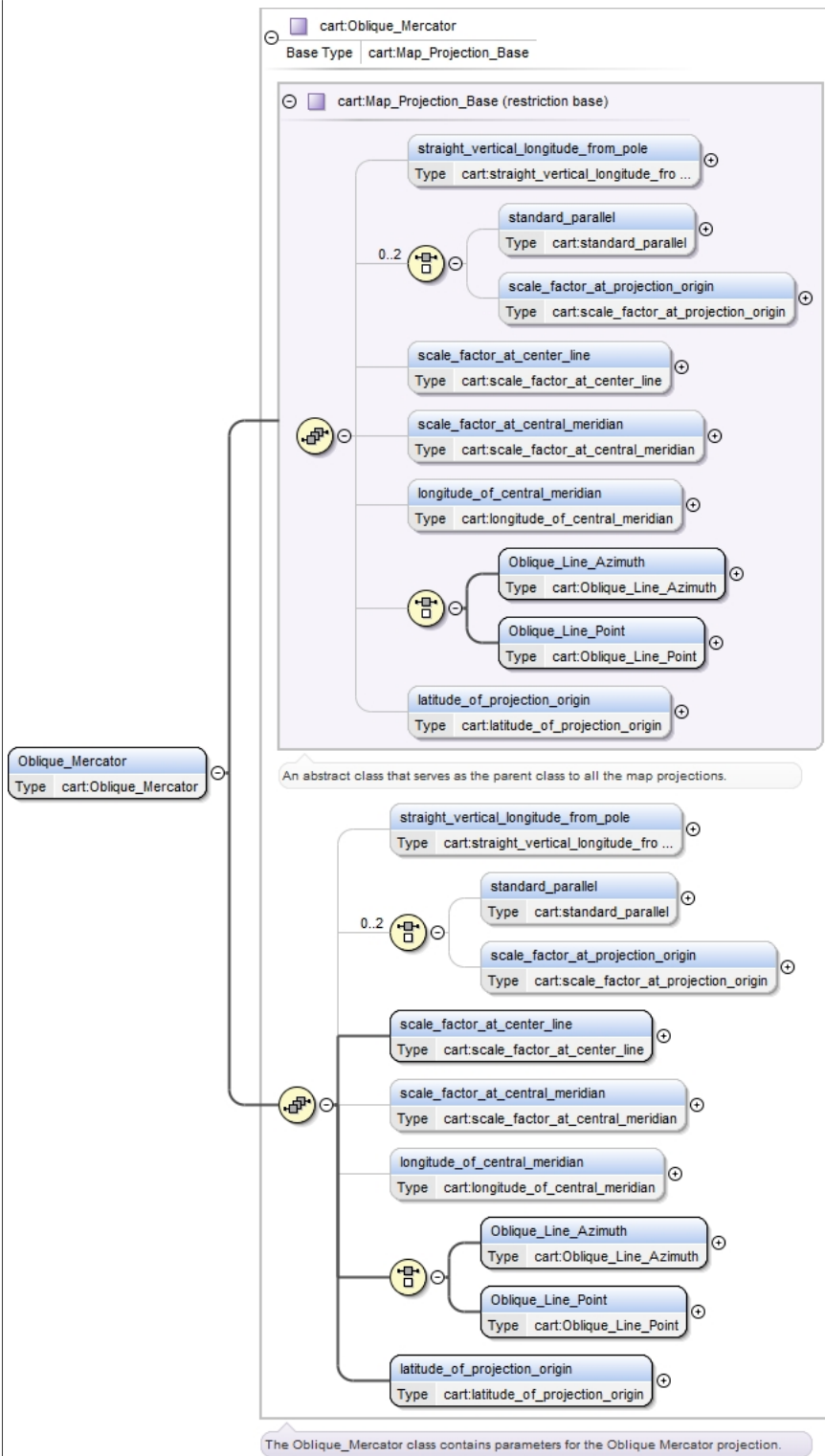
Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	cart:latitude_of_projection_origin
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • cart:latitude_of_projection_origin_WO_Units

	<ul style="list-style-type: none"> • cart:latitude_of_projection_origin 		
Properties	content:	complex	
	minOccurs:	1	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Angle	required
Source	<pre><xs:element name="latitude_of_projection_origin" type="cart:latitude_of_projection_origin" minOccurs="1" maxOccurs="1"> </xs:element></pre>		

Element cart:State_Plane_Coordinate_System / cart:Oblique_Mercator

Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram



Type	<code>cart:Oblique_Mercator</code>
Type hierarchy	<ul style="list-style-type: none"> <code>cart:Map_Projection_Base</code> <code>cart:Oblique_Mercator</code>
Properties	content: complex
Model	<code>cart:straight_vertical_longitude_from_pole{0,1}</code> , (<code>cart:standard_parallel{0,1} cart:scale_factor_at_projection_origin{0,1}</code>) , <code>cart:scale_factor_at_center_line</code> , <code>cart:scale_factor_at_central_meridian{0,1}</code> , <code>cart:longitude_of_central_meridian{0,1}</code> , (<code>cart:Oblique_Line_Azimuth cart:Oblique_Line_Point</code>) , <code>cart:latitude_of_projection_origin</code>

Children	cart:Oblique_Line_Azimuth, cart:Oblique_Line_Point, cart:latitude_of_projection_origin, cart:longitude_of_central_meridian, cart:scale_factor_at_center_line, cart:scale_factor_at_central_meridian, cart:scale_factor_at_projection_origin, cart:standard_parallel, cart:straight_vertical_longitude_from_pole
Instance	<pre><cart:Oblique_Mercator xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:straight_vertical_longitude_from_pole unit="">{0,1}</cart:straight_vertical_longitude_from_pole> <cart:standard_parallel unit="">{0,1}</cart:standard_parallel> <cart:scale_factor_at_projection_origin>{0,1}</cart:scale_factor_at_projection_origin> <cart:scale_factor_at_center_line>{1,1}</cart:scale_factor_at_center_line> <cart:scale_factor_at_central_meridian>{0,1}</cart:scale_factor_at_central_meridian> <cart:longitude_of_central_meridian unit="">{0,1}</cart:longitude_of_central_meridian> <cart:Oblique_Line_Azimuth>{1,1}</cart:Oblique_Line_Azimuth> <cart:Oblique_Line_Point>{1,1}</cart:Oblique_Line_Point> <cart:latitude_of_projection_origin unit="">{1,1}</cart:latitude_of_projection_origin> </cart:Oblique_Mercator></pre>
Source	<pre><xs:element name="Oblique_Mercator" type="cart:Oblique_Mercator"> </xs:element></pre>

Element cart:Oblique_Mercator / cart:straight_vertical_longitude_from_pole

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:straight_vertical_longitude_from_pole		
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real <ul style="list-style-type: none"> cart:straight_vertical_longitude_from_pole_WO_Units cart:straight_vertical_longitude_from_pole 		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Angle	required
Source	<pre><xs:element name="straight_vertical_longitude_from_pole" type="cart:straight_vertical_longitude_from_pole" minOccurs="0" maxOccurs="1"> </xs:element></pre>		

Element cart:Oblique_Mercator / cart:standard_parallel

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			

Type	cart:standard_parallel			
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:standard_parallel_WO_Units • cart:standard_parallel 			
Properties	content:	complex		
	minOccurs:	0		
	maxOccurs:	1		
Attributes	QName	Type	Use	
	unit	pds:Units_of_Angle	required	
Source	<pre><xs:element name="standard_parallel" type="cart:standard_parallel" minOccurs="0" maxOccurs="1"> </xs:element></pre>			

Element cart:Oblique_Mercator / cart:scale_factor_at_projection_origin

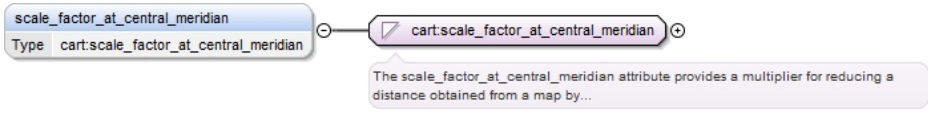
Namespace	http://pds.nasa.gov/pds4/cart/v1			
Diagram				
Type	cart:scale_factor_at_projection_origin			
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:scale_factor_at_projection_origin 			
Properties	content:	simple		
	minOccurs:	0		
	maxOccurs:	1		
Source	<pre><xs:element name="scale_factor_at_projection_origin" type="cart:scale_factor_at_projection_origin" minOccurs="0" maxOccurs="1"> </xs:element></pre>			

Element cart:Oblique_Mercator / cart:scale_factor_at_center_line

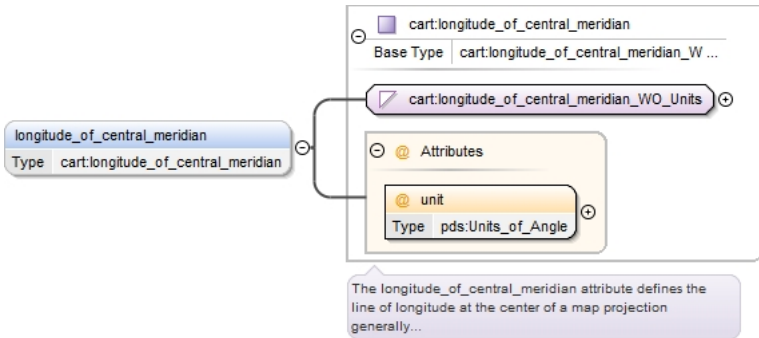
Namespace	http://pds.nasa.gov/pds4/cart/v1			
Diagram				
Type	cart:scale_factor_at_center_line			
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:scale_factor_at_center_line 			
Properties	content:	simple		
	minOccurs:	1		
	maxOccurs:	1		
Facets	minInclusive	0.0		
Source	<pre><xs:element name="scale_factor_at_center_line" type="cart:scale_factor_at_center_line" minOccurs="1" maxOccurs="1"> </xs:element></pre>			

Element cart:Oblique_Mercator / cart:scale_factor_at_central_meridian

Namespace	http://pds.nasa.gov/pds4/cart/v1			
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Diagram							
Type	cart:scale_factor_at_central_meridian						
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:scale_factor_at_central_meridian 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minInclusive</td> <td>0.0</td> </tr> </table>	minInclusive	0.0				
minInclusive	0.0						
Source	<pre><xs:element name="scale_factor_at_central_meridian" type="cart:scale_factor_at_central_meridian" minOccurs="0" maxOccurs="1" /></pre>						

Element cart:Oblique_Mercator / cart:longitude_of_central_meridian

Namespace	http://pds.nasa.gov/pds4/cart/v1								
Diagram									
Type	cart:longitude_of_central_meridian								
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:longitude_of_central_meridian_WO_Units cart:longitude_of_central_meridian 								
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>			content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex								
minOccurs:	0								
maxOccurs:	1								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Angle</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Angle	required		
QName	Type	Use							
unit	pds:Units_of_Angle	required							
Source	<pre><xs:element name="longitude_of_central_meridian" type="cart:longitude_of_central_meridian" minOccurs="0" maxOccurs="1" /></pre>								

Element cart:Oblique_Mercator / cart:Oblique_Line_Azimuth

Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram	
Type	cart:Oblique_Line_Azimuth
Properties	content: complex
Model	cart:azimuthal_angle , cart:azimuth_measure_point_longitude
Children	cart:azimuth_measure_point_longitude, cart:azimuthal_angle
Instance	<pre><cart:Oblique_Line_Azimuth xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:azimuthal_angle unit="">{1,1}</cart:azimuthal_angle> <cart:azimuth_measure_point_longitude unit="">{1,1}</cart:azimuth_measure_point_longitude> </cart:Oblique_Line_Azimuth></pre>
Source	<pre><xs:element name="Oblique_Line_Azimuth" type="cart:Oblique_Line_Azimuth"> </xs:element></pre>

Element cart:Oblique_Mercator / cart:Oblique_Line_Point

Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	cart:Oblique_Line_Point
Properties	content: complex
Model	cart:Oblique_Line_Point_Group{2,2}
Children	cart:Oblique_Line_Point_Group
Instance	<pre><cart:Oblique_Line_Point xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:Oblique_Line_Point_Group>{2,2}</cart:Oblique_Line_Point_Group> </cart:Oblique_Line_Point></pre>
Source	<pre><xs:element name="Oblique_Line_Point" type="cart:Oblique_Line_Point"> </xs:element></pre>

Element cart:Oblique_Mercator / cart:latitude_of_projection_origin

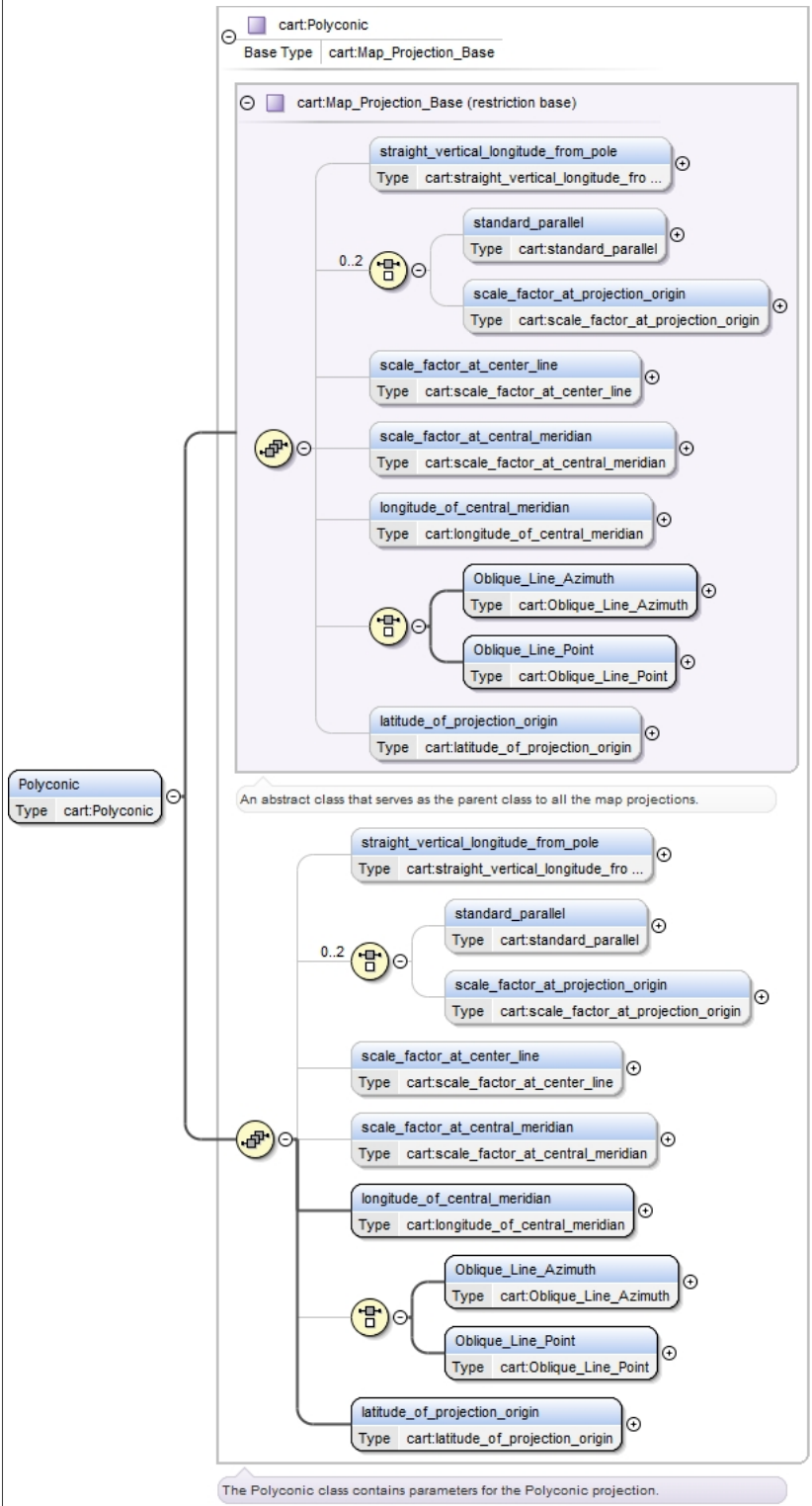
Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	cart:latitude_of_projection_origin
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • cart:latitude_of_projection_origin_WO_Units

	<ul style="list-style-type: none"> • cart:latitude_of_projection_origin 		
Properties	content:	complex	
	minOccurs:	1	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Angle	required
Source	<pre><xs:element name="latitude_of_projection_origin" type="cart:latitude_of_projection_origin" minOccurs="1" maxOccurs="1"> </xs:element></pre>		

Element cart:State_Plane_Coordinate_System / cart:Polyconic

Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram



Type	<code>cart:Polyconic</code>
Type hierarchy	<ul style="list-style-type: none"> <code>cart:Map_Projection_Base</code> <code>cart:Polyconic</code>
Properties	content: complex
Model	<code>cart:straight_vertical_longitude_from_pole{0,1}</code> , <code>(cart:standard_parallel{0,1} cart:scale_factor_at_projection_origin{0,1})</code> , <code>cart:scale_factor_at_center_line{0,1}</code> , <code>cart:scale_factor_at_central_meridian{0,1}</code> , <code>cart:longitude_of_central_meridian</code> , <code>(cart:Oblique_Line_Azimuth cart:Oblique_Line_Point)</code> , <code>cart:latitude_of_projection_origin</code>

Children	cart:Oblique_Line_Azimuth, cart:Oblique_Line_Point, cart:latitude_of_projection_origin, cart:longitude_of_central_meridian, cart:scale_factor_at_center_line, cart:scale_factor_at_central_meridian, cart:scale_factor_at_projection_origin, cart:standard_parallel, cart:straight_vertical_longitude_from_pole
Instance	<pre><cart:Polyconic xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:straight_vertical_longitude_from_pole unit="">{0,1}</ cart:straight_vertical_longitude_from_pole> <cart:standard_parallel unit="">{0,1}</cart:standard_parallel> <cart:scale_factor_at_projection_origin>{0,1}</cart:scale_factor_at_projection_origin> <cart:scale_factor_at_center_line>{0,1}</cart:scale_factor_at_center_line> <cart:scale_factor_at_central_meridian>{0,1}</cart:scale_factor_at_central_meridian> <cart:longitude_of_central_meridian unit="">{1,1}</cart:longitude_of_central_meridian> <cart:Oblique_Line_Azimuth>{1,1}</cart:Oblique_Line_Azimuth> <cart:Oblique_Line_Point>{1,1}</cart:Oblique_Line_Point> <cart:latitude_of_projection_origin unit="">{1,1}</cart:latitude_of_projection_origin> </cart:Polyconic></pre>
Source	<pre><xs:element name="Polyconic" type="cart:Polyconic"> </xs:element></pre>

Element cart:Polyconic / cart:straight_vertical_longitude_from_pole

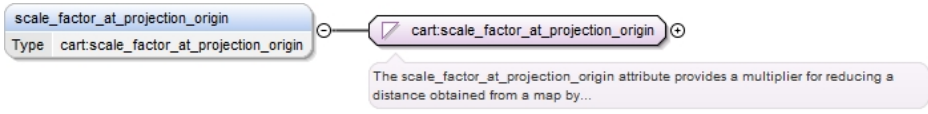
Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:straight_vertical_longitude_from_pole		
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real <ul style="list-style-type: none"> cart:straight_vertical_longitude_from_pole_WO_Units cart:straight_vertical_longitude_from_pole 		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Angle	required
Source	<pre><xs:element name="straight_vertical_longitude_from_pole" type="cart:straight_vertical_longitude_from_pole" minOccurs="0" maxOccurs="1"> </xs:element></pre>		

Element cart:Polyconic / cart:standard_parallel

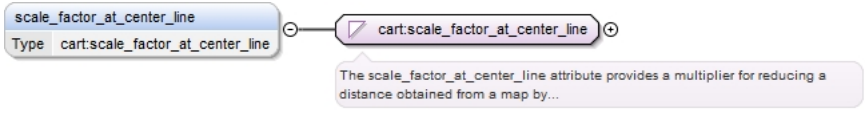
Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			

Type	cart:standard_parallel			
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:standard_parallel_WO_Units • cart:standard_parallel 			
Properties	content:	complex		
	minOccurs:	0		
	maxOccurs:	1		
Attributes	QName	Type	Use	
	unit	pds:Units_of_Angle	required	
Source	<pre><xs:element name="standard_parallel" type="cart:standard_parallel" minOccurs="0" maxOccurs="1"> </xs:element></pre>			

Element cart:Polyconic / cart:scale_factor_at_projection_origin

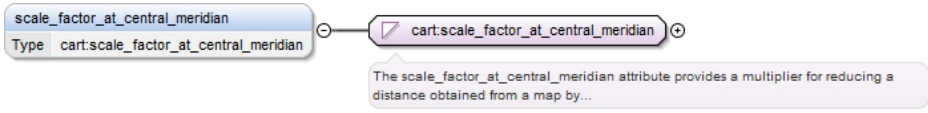
Namespace	http://pds.nasa.gov/pds4/cart/v1			
Diagram				
Type	cart:scale_factor_at_projection_origin			
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:scale_factor_at_projection_origin 			
Properties	content:	simple		
	minOccurs:	0		
	maxOccurs:	1		
Source	<pre><xs:element name="scale_factor_at_projection_origin" type="cart:scale_factor_at_projection_origin" minOccurs="0" maxOccurs="1"> </xs:element></pre>			

Element cart:Polyconic / cart:scale_factor_at_center_line

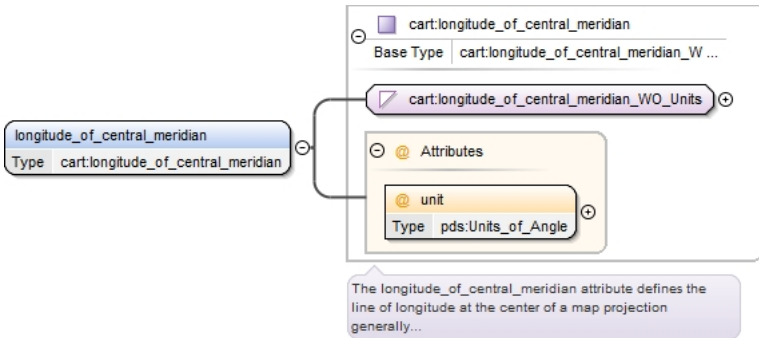
Namespace	http://pds.nasa.gov/pds4/cart/v1			
Diagram				
Type	cart:scale_factor_at_center_line			
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:scale_factor_at_center_line 			
Properties	content:	simple		
	minOccurs:	0		
	maxOccurs:	1		
Facets	minInclusive	0.0		
Source	<pre><xs:element name="scale_factor_at_center_line" type="cart:scale_factor_at_center_line" minOccurs="0" maxOccurs="1"> </xs:element></pre>			

Element cart:Polyconic / cart:scale_factor_at_central_meridian

Namespace	http://pds.nasa.gov/pds4/cart/v1			
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Diagram							
Type	cart:scale_factor_at_central_meridian						
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:scale_factor_at_central_meridian 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minInclusive</td> <td>0.0</td> </tr> </table>	minInclusive	0.0				
minInclusive	0.0						
Source	<pre><xs:element name="scale_factor_at_central_meridian" type="cart:scale_factor_at_central_meridian" minOccurs="0" maxOccurs="1" /> </xs:element></pre>						

Element cart:Polyconic / cart:longitude_of_central_meridian

Namespace	http://pds.nasa.gov/pds4/cart/v1								
Diagram									
Type	cart:longitude_of_central_meridian								
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:longitude_of_central_meridian_WO_Units cart:longitude_of_central_meridian 								
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>			content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex								
minOccurs:	1								
maxOccurs:	1								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Angle</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Angle	required		
QName	Type	Use							
unit	pds:Units_of_Angle	required							
Source	<pre><xs:element name="longitude_of_central_meridian" type="cart:longitude_of_central_meridian" minOccurs="1" maxOccurs="1" /> </xs:element></pre>								

Element cart:Polyconic / cart:Oblique_Line_Azimuth

Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram	
Type	cart:Oblique_Line_Azimuth
Properties	content: complex
Model	cart:azimuthal_angle , cart:azimuth_measure_point_longitude
Children	cart:azimuth_measure_point_longitude, cart:azimuthal_angle
Instance	<pre><cart:Oblique_Line_Azimuth xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:azimuthal_angle unit="">{1,1}</cart:azimuthal_angle> <cart:azimuth_measure_point_longitude unit="">{1,1}</cart:azimuth_measure_point_longitude> </cart:Oblique_Line_Azimuth></pre>
Source	<pre><xs:element name="Oblique_Line_Azimuth" type="cart:Oblique_Line_Azimuth"> </xs:element></pre>

Element cart:Polyconic / cart:Oblique_Line_Point

Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	cart:Oblique_Line_Point
Properties	content: complex
Model	cart:Oblique_Line_Point_Group{2,2}
Children	cart:Oblique_Line_Point_Group
Instance	<pre><cart:Oblique_Line_Point xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:Oblique_Line_Point_Group>{2,2}</cart:Oblique_Line_Point_Group> </cart:Oblique_Line_Point></pre>
Source	<pre><xs:element name="Oblique_Line_Point" type="cart:Oblique_Line_Point"> </xs:element></pre>

Element cart:Polyconic / cart:latitude_of_projection_origin

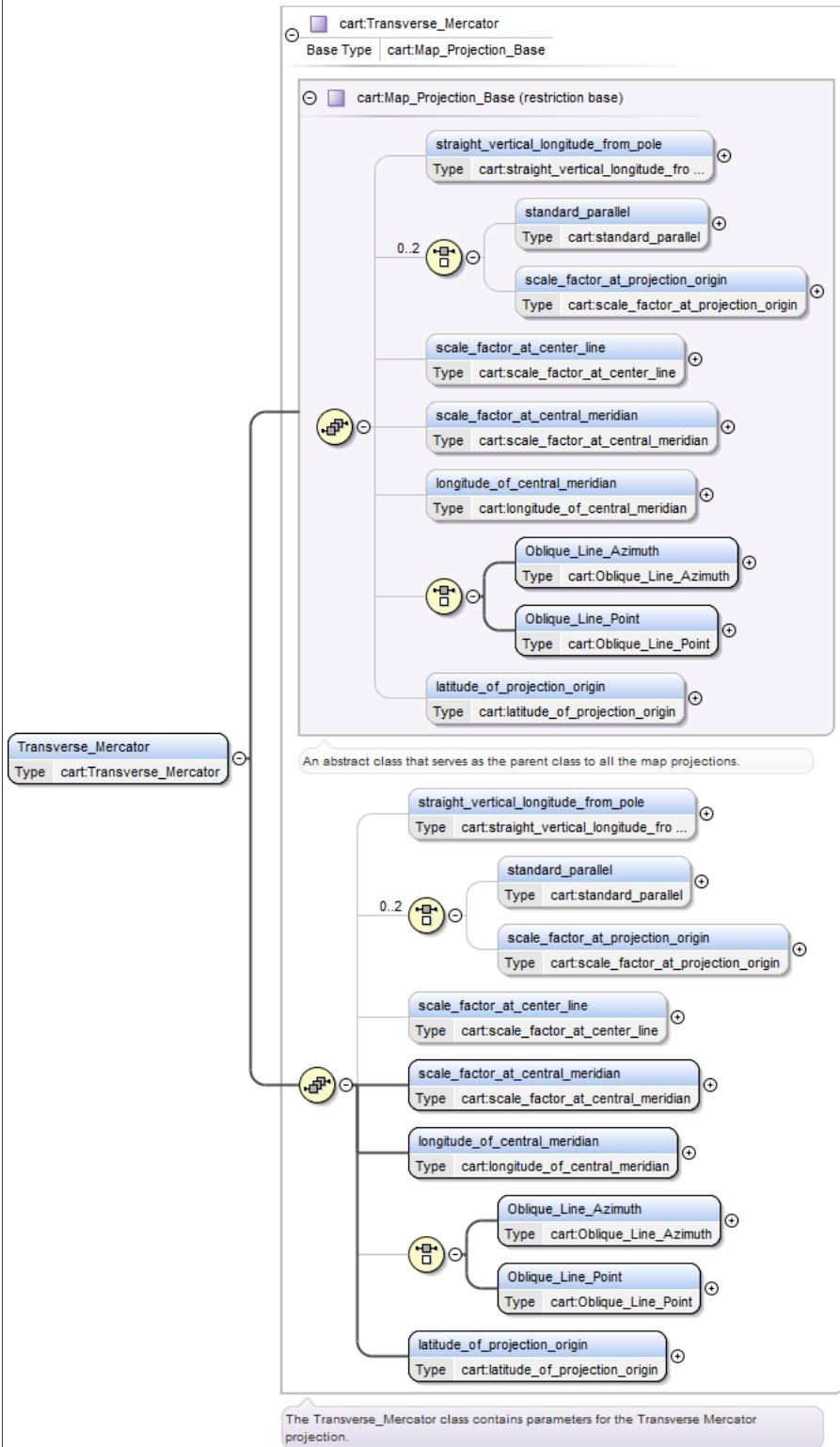
Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	cart:latitude_of_projection_origin
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • cart:latitude_of_projection_origin_WO_Units

	<ul style="list-style-type: none"> • cart:latitude_of_projection_origin 		
Properties	content:	complex	
	minOccurs:	1	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Angle	required
Source	<pre><xs:element name="latitude_of_projection_origin" type="cart:latitude_of_projection_origin" minOccurs="1" maxOccurs="1"> </xs:element></pre>		

Element cart:State_Plane_Coordinate_System / cart:Transverse_Mercator

Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram



Type	cart:Transverse_Mercator
Type hierarchy	<ul style="list-style-type: none"> • cart:Map_Projection_Base • cart:Transverse_Mercator
Properties	content: complex
Model	cart:straight_vertical_longitude_from_pole{0,1} , (cart:standard_parallel{0,1} cart:scale_factor_at_projection_origin{0,1}) , cart:scale_factor_at_center_line{0,1} , cart:scale_factor_at_central_meridian , cart:longitude_of_central_meridian , (cart:Oblique_Line_Azimuth cart:Oblique_Line_Point) , cart:latitude_of_projection_origin

Children	cart:Oblique_Line_Azimuth, cart:Oblique_Line_Point, cart:latitude_of_projection_origin, cart:longitude_of_central_meridian, cart:scale_factor_at_center_line, cart:scale_factor_at_central_meridian, cart:scale_factor_at_projection_origin, cart:standard_parallel, cart:straight_vertical_longitude_from_pole
Instance	<pre><cart:Transverse_Mercator xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:straight_vertical_longitude_from_pole unit="">{0,1}</cart:straight_vertical_longitude_from_pole> <cart:standard_parallel unit="">{0,1}</cart:standard_parallel> <cart:scale_factor_at_projection_origin>{0,1}</cart:scale_factor_at_projection_origin> <cart:scale_factor_at_center_line>{0,1}</cart:scale_factor_at_center_line> <cart:scale_factor_at_central_meridian>{1,1}</cart:scale_factor_at_central_meridian> <cart:longitude_of_central_meridian unit="">{1,1}</cart:longitude_of_central_meridian> <cart:Oblique_Line_Azimuth>{1,1}</cart:Oblique_Line_Azimuth> <cart:Oblique_Line_Point>{1,1}</cart:Oblique_Line_Point> <cart:latitude_of_projection_origin unit="">{1,1}</cart:latitude_of_projection_origin> </cart:Transverse_Mercator></pre>
Source	<pre><xs:element name="Transverse_Mercator" type="cart:Transverse_Mercator"> </xs:element></pre>

Element cart:Planar / cart:Local_Planar


Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	cart:Local_Planar
Properties	content: complex
Model	cart:local_planar_description , cart:local_planar_georeference_information
Children	cart:local_planar_description, cart:local_planar_georeference_information
Instance	<pre><cart:Local_Planar xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:local_planar_description>{1,1}</cart:local_planar_description> <cart:local_planar_georeference_information>{1,1}</cart:local_planar_georeference_information> </cart:Local_Planar></pre>
Source	<pre><xs:element name="Local_Planar" type="cart:Local_Planar"> </xs:element></pre>

Element cart:Local_Planar / cart:local_planar_description

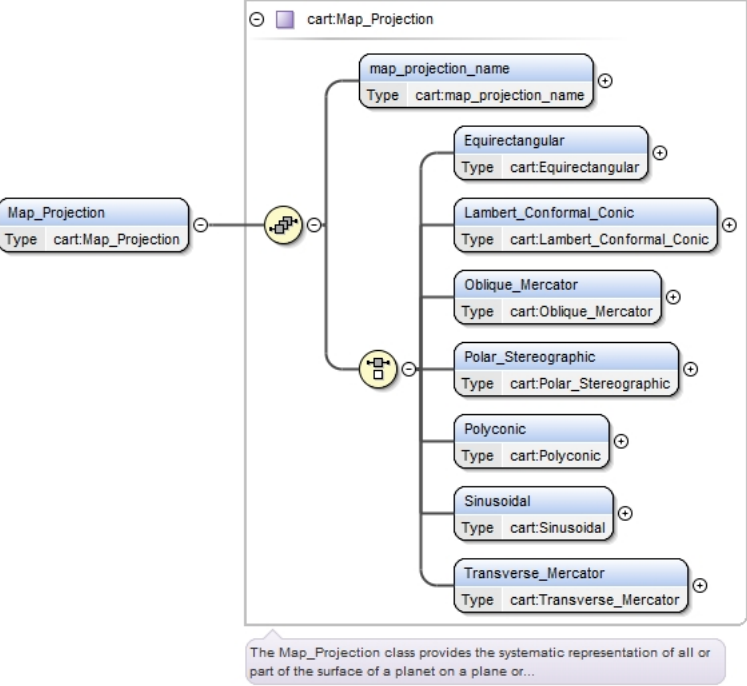
Namespace	http://pds.nasa.gov/pds4/cart/v1						
Diagram							
Type	cart:local_planar_description						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • cart:local_planar_description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*		
minLength	1						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="local_planar_description" type="cart:local_planar_description" minOccurs="1" maxOccurs="1"></pre>						

</xs:element>

Element cart:Local_Planar / cart:local_planar_georeference_information

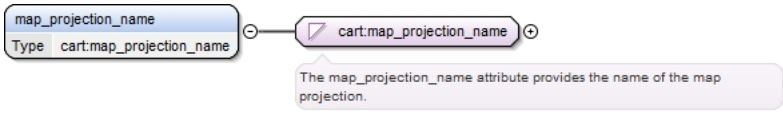
Namespace	http://pds.nasa.gov/pds4/cart/v1						
Diagram							
Type	cart:local_planar_georeference_information						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Text_Preserved cart:local_planar_georeference_information 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*		
minLength	1						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="local_planar_georeference_information" type="cart:local_planar_georeference_information" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element cart:Planar / cart:Map_Projection

Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	cart:Map_Projection
Properties	content: complex
Model	cart:map_projection_name , (cart:Equirectangular cart:Lambert_Conformal_Conic cart:Oblique_Mercator cart:Polar_Stereographic cart:Polyconic cart:Sinusoidal cart:Transverse_Mercator)
Children	cart:Equirectangular, cart:Lambert_Conformal_Conic, cart:Oblique_Mercator, cart:Polar_Stereographic, cart:Polyconic, cart:Sinusoidal, cart:Transverse_Mercator, cart:map_projection_name
Instance	<pre><cart:Map_Projection xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:map_projection_name>{1,1}</cart:map_projection_name></pre>

	<pre> <cart:Equirectangular>{1,1}</cart:Equirectangular> <cart:Lambert_Conformal_Conic>{1,1}</cart:Lambert_Conformal_Conic> <cart:Oblique_Mercator>{1,1}</cart:Oblique_Mercator> <cart:Polar_Stereographic>{1,1}</cart:Polar_Stereographic> <cart:Polyconic>{1,1}</cart:Polyconic> <cart:Sinusoidal>{1,1}</cart:Sinusoidal> <cart:Transverse_Mercator>{1,1}</cart:Transverse_Mercator> </cart:Map_Projection> </pre>
Source	<pre> <xs:element name="Map_Projection" type="cart:Map_Projection"> </xs:element> </pre>

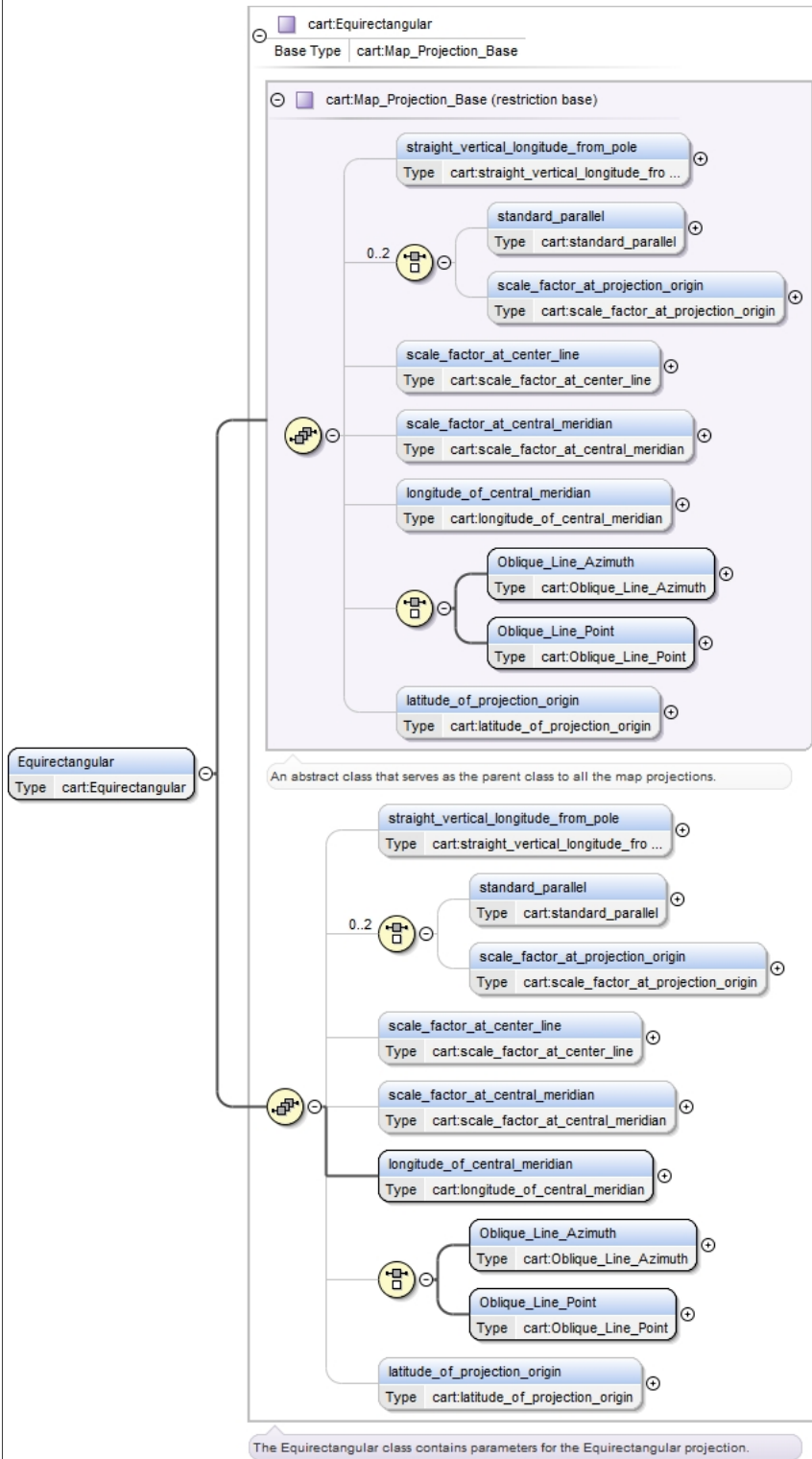
Element `cart:Map_Projection` / `cart:map_projection_name`

Namespace	http://pds.nasa.gov/pds4/cart/v1						
Diagram							
Type	cart:map_projection_name						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • cart:map_projection_name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre> <xs:element name="map_projection_name" type="cart:map_projection_name" minOccurs="1" maxOccurs="1"> </xs:element> </pre>						

Element `cart:Map_Projection` / `cart:Equirectangular`

Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram



Type	cart:Equirectangular
Type hierarchy	<ul style="list-style-type: none"> • cart:Map_Projection_Base • cart:Equirectangular
Properties	content: complex
Model	cart:straight_vertical_longitude_from_pole{0,1} , (cart:standard_parallel{0,1} cart:scale_factor_at_projection_origin{0,1}) , cart:scale_factor_at_center_line{0,1} , cart:scale_factor_at_central_meridian{0,1} , cart:longitude_of_central_meridian , (cart:Oblique_Line_Azimuth cart:Oblique_Line_Point) , cart:latitude_of_projection_origin{0,1}

Children	cart:Oblique_Line_Azimuth, cart:Oblique_Line_Point, cart:latitude_of_projection_origin, cart:longitude_of_central_meridian, cart:scale_factor_at_center_line, cart:scale_factor_at_central_meridian, cart:scale_factor_at_projection_origin, cart:standard_parallel, cart:straight_vertical_longitude_from_pole
Instance	<pre><cart:Equirectangular xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:straight_vertical_longitude_from_pole unit="">{0,1}</ cart:straight_vertical_longitude_from_pole> <cart:standard_parallel unit="">{0,1}</cart:standard_parallel> <cart:scale_factor_at_projection_origin>{0,1}</cart:scale_factor_at_projection_origin> <cart:scale_factor_at_center_line>{0,1}</cart:scale_factor_at_center_line> <cart:scale_factor_at_central_meridian>{0,1}</cart:scale_factor_at_central_meridian> <cart:longitude_of_central_meridian unit="">{1,1}</cart:longitude_of_central_meridian> <cart:Oblique_Line_Azimuth>{1,1}</cart:Oblique_Line_Azimuth> <cart:Oblique_Line_Point>{1,1}</cart:Oblique_Line_Point> <cart:latitude_of_projection_origin unit="">{0,1}</cart:latitude_of_projection_origin> </cart:Equirectangular></pre>
Source	<pre><xs:element name="Equirectangular" type="cart:Equirectangular"> </xs:element></pre>

Element cart:Equirectangular / cart:straight_vertical_longitude_from_pole

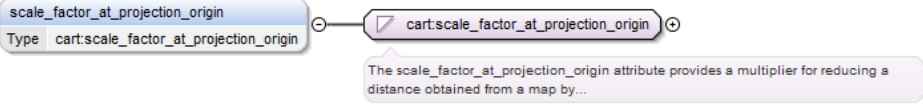
Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:straight_vertical_longitude_from_pole		
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real <ul style="list-style-type: none"> cart:straight_vertical_longitude_from_pole_WO_Units cart:straight_vertical_longitude_from_pole 		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Angle	required
Source	<pre><xs:element name="straight_vertical_longitude_from_pole" type="cart:straight_vertical_longitude_from_pole" minOccurs="0" maxOccurs="1"> </xs:element></pre>		

Element cart:Equirectangular / cart:standard_parallel

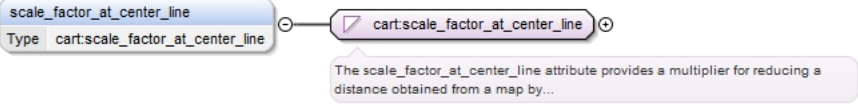
Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			

Type	cart:standard_parallel		
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:standard_parallel_WO_Units • cart:standard_parallel 		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Angle	required
Source	<pre><xs:element name="standard_parallel" type="cart:standard_parallel" minOccurs="0" maxOccurs="1"> </xs:element></pre>		

Element cart:Equirectangular / cart:scale_factor_at_projection_origin

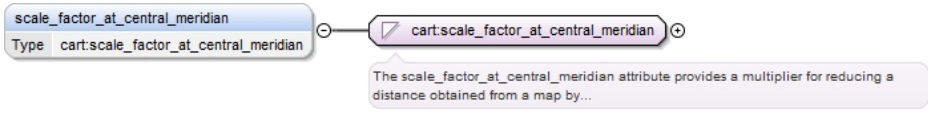
Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:scale_factor_at_projection_origin		
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:scale_factor_at_projection_origin 		
Properties	content:	simple	
	minOccurs:	0	
	maxOccurs:	1	
Source	<pre><xs:element name="scale_factor_at_projection_origin" type="cart:scale_factor_at_projection_origin" minOccurs="0" maxOccurs="1"> </xs:element></pre>		

Element cart:Equirectangular / cart:scale_factor_at_center_line

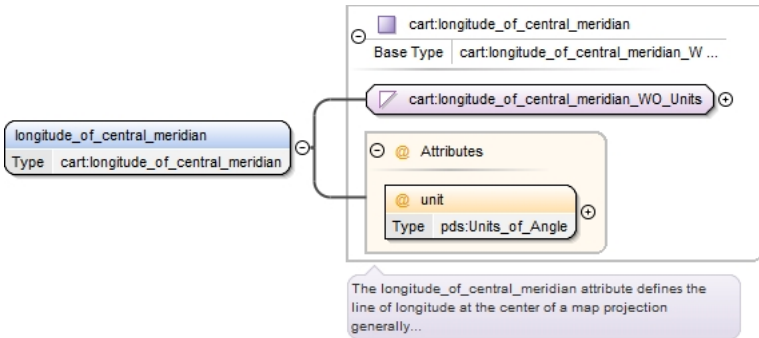
Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:scale_factor_at_center_line		
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:scale_factor_at_center_line 		
Properties	content:	simple	
	minOccurs:	0	
	maxOccurs:	1	
Facets	minInclusive	0.0	
Source	<pre><xs:element name="scale_factor_at_center_line" type="cart:scale_factor_at_center_line" minOccurs="0" maxOccurs="1"> </xs:element></pre>		

Element cart:Equirectangular / cart:scale_factor_at_central_meridian

Namespace	http://pds.nasa.gov/pds4/cart/v1		
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Diagram							
Type	cart:scale_factor_at_central_meridian						
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:scale_factor_at_central_meridian 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minInclusive</td> <td>0.0</td> </tr> </table>	minInclusive	0.0				
minInclusive	0.0						
Source	<pre><xs:element name="scale_factor_at_central_meridian" type="cart:scale_factor_at_central_meridian" minOccurs="0" maxOccurs="1" /></pre>						

Element cart:Equirectangular / cart:longitude_of_central_meridian

Namespace	http://pds.nasa.gov/pds4/cart/v1								
Diagram									
Type	cart:longitude_of_central_meridian								
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:longitude_of_central_meridian_WO_Units cart:longitude_of_central_meridian 								
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>			content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex								
minOccurs:	1								
maxOccurs:	1								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Angle</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Angle	required		
QName	Type	Use							
unit	pds:Units_of_Angle	required							
Source	<pre><xs:element name="longitude_of_central_meridian" type="cart:longitude_of_central_meridian" minOccurs="1" maxOccurs="1" /></pre>								

Element cart:Equirectangular / cart:Oblique_Line_Azimuth

Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram	
Type	cart:Oblique_Line_Azimuth
Properties	content: complex
Model	cart:azimuthal_angle , cart:azimuth_measure_point_longitude
Children	cart:azimuth_measure_point_longitude, cart:azimuthal_angle
Instance	<pre><cart:Oblique_Line_Azimuth xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:azimuthal_angle unit="">{1,1}</cart:azimuthal_angle> <cart:azimuth_measure_point_longitude unit="">{1,1}</cart:azimuth_measure_point_longitude> </cart:Oblique_Line_Azimuth></pre>
Source	<pre><xs:element name="Oblique_Line_Azimuth" type="cart:Oblique_Line_Azimuth"> </xs:element></pre>

Element cart:Equirectangular / cart:Oblique_Line_Point

Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	cart:Oblique_Line_Point
Properties	content: complex
Model	cart:Oblique_Line_Point_Group{2,2}
Children	cart:Oblique_Line_Point_Group
Instance	<pre><cart:Oblique_Line_Point xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:Oblique_Line_Point_Group>{2,2}</cart:Oblique_Line_Point_Group> </cart:Oblique_Line_Point></pre>
Source	<pre><xs:element name="Oblique_Line_Point" type="cart:Oblique_Line_Point"> </xs:element></pre>

Element cart:Equirectangular / cart:latitude_of_projection_origin

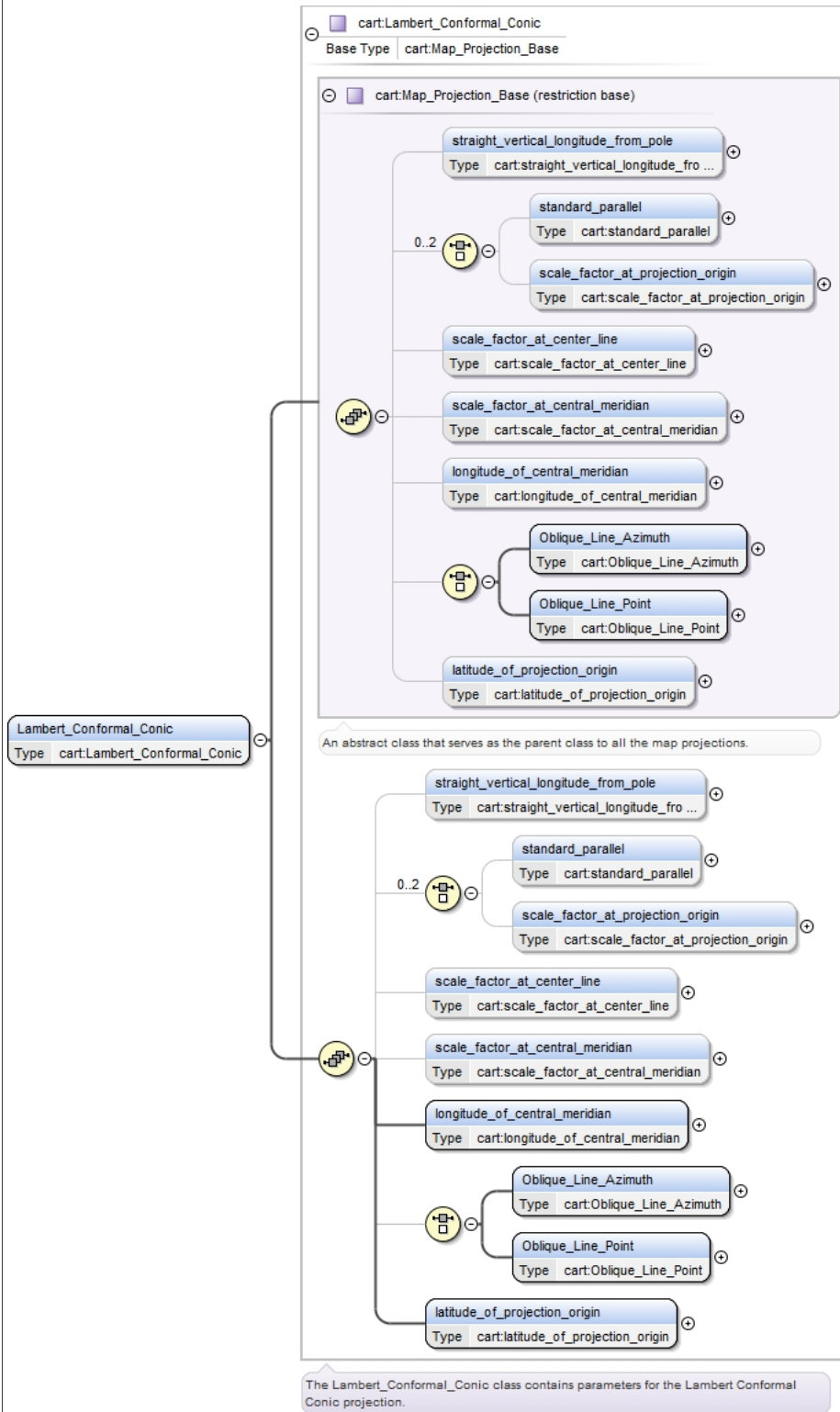
Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	cart:latitude_of_projection_origin
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • cart:latitude_of_projection_origin_WO_Units

	<ul style="list-style-type: none"> • cart:latitude_of_projection_origin 		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Angle	required
Source	<pre><xs:element name="latitude_of_projection_origin" type="cart:latitude_of_projection_origin" minOccurs="0" maxOccurs="1"> </xs:element></pre>		

Element cart:Map_Projection / cart:Lambert_Conformal_Conic

Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram



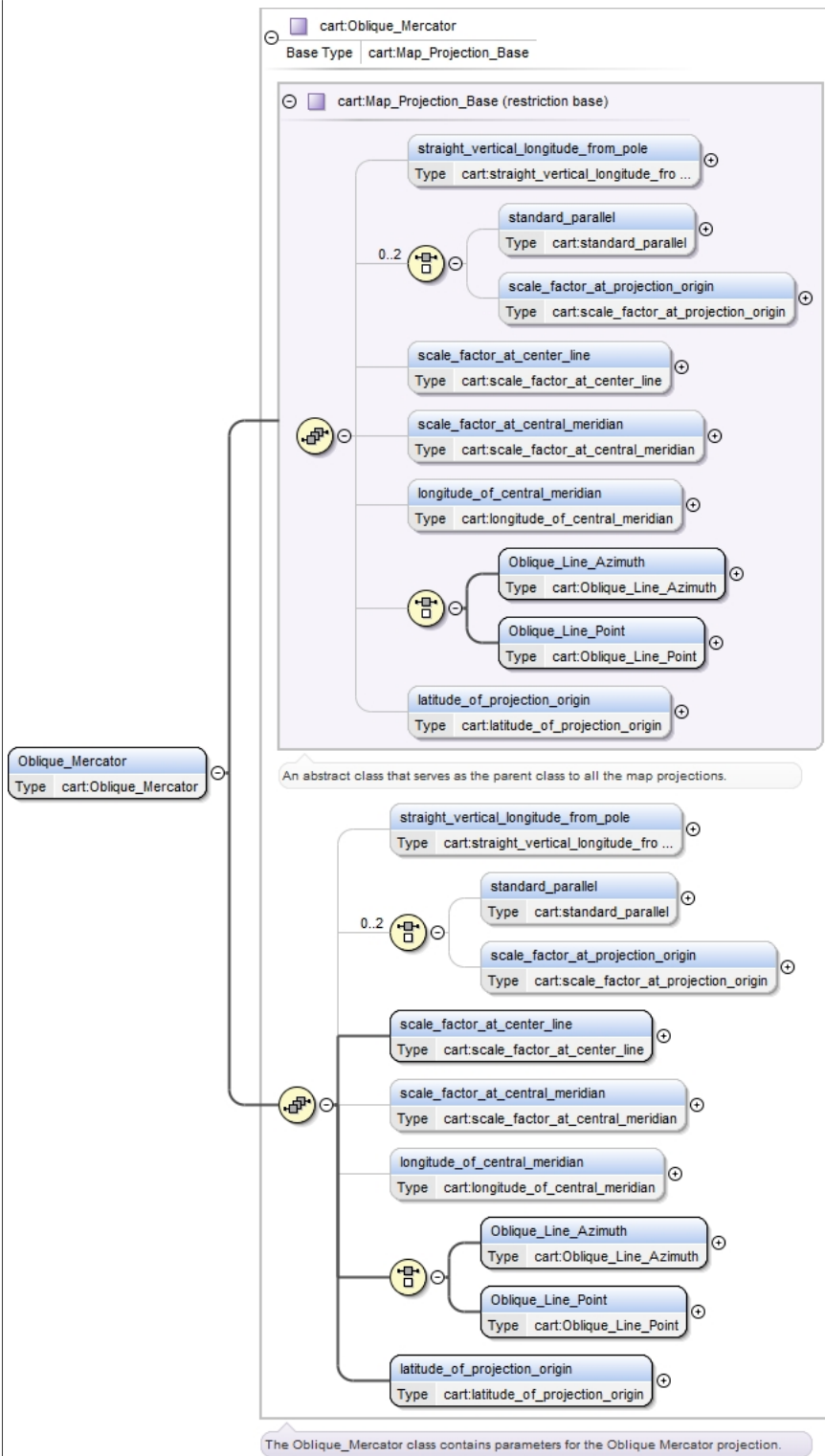
Type	cart:Lambert_Conformal_Conic
Type hierarchy	<ul style="list-style-type: none"> • cart:Map_Projection_Base • cart:Lambert_Conformal_Conic
Properties	content: complex
Model	cart:straight_vertical_longitude_from_pole{0,1} , (cart:standard_parallel{0,1} cart:scale_factor_at_projection_origin{0,1}) , cart:scale_factor_at_center_line{0,1} , cart:scale_factor_at_central_meridian{0,1} , cart:longitude_of_central_meridian , (cart:Oblique_Line_Azimuth cart:Oblique_Line_Point) , cart:latitude_of_projection_origin

Children	cart:Oblique_Line_Azimuth, cart:Oblique_Line_Point, cart:latitude_of_projection_origin, cart:longitude_of_central_meridian, cart:scale_factor_at_center_line, cart:scale_factor_at_central_meridian, cart:scale_factor_at_projection_origin, cart:standard_parallel, cart:straight_vertical_longitude_from_pole
Instance	<pre><cart:Lambert_Conformal_Conic xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:straight_vertical_longitude_from_pole unit="">{0,1}</ cart:straight_vertical_longitude_from_pole> <cart:standard_parallel unit="">{0,1}</cart:standard_parallel> <cart:scale_factor_at_projection_origin>{0,1}</cart:scale_factor_at_projection_origin> <cart:scale_factor_at_center_line>{0,1}</cart:scale_factor_at_center_line> <cart:scale_factor_at_central_meridian>{0,1}</cart:scale_factor_at_central_meridian> <cart:longitude_of_central_meridian unit="">{1,1}</cart:longitude_of_central_meridian> <cart:Oblique_Line_Azimuth>{1,1}</cart:Oblique_Line_Azimuth> <cart:Oblique_Line_Point>{1,1}</cart:Oblique_Line_Point> <cart:latitude_of_projection_origin unit="">{1,1}</cart:latitude_of_projection_origin> </cart:Lambert_Conformal_Conic></pre>
Source	<pre><xs:element name="Lambert_Conformal_Conic" type="cart:Lambert_Conformal_Conic"> </xs:element></pre>

Element cart:Map_Projection / cart:Oblique_Mercator

Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram



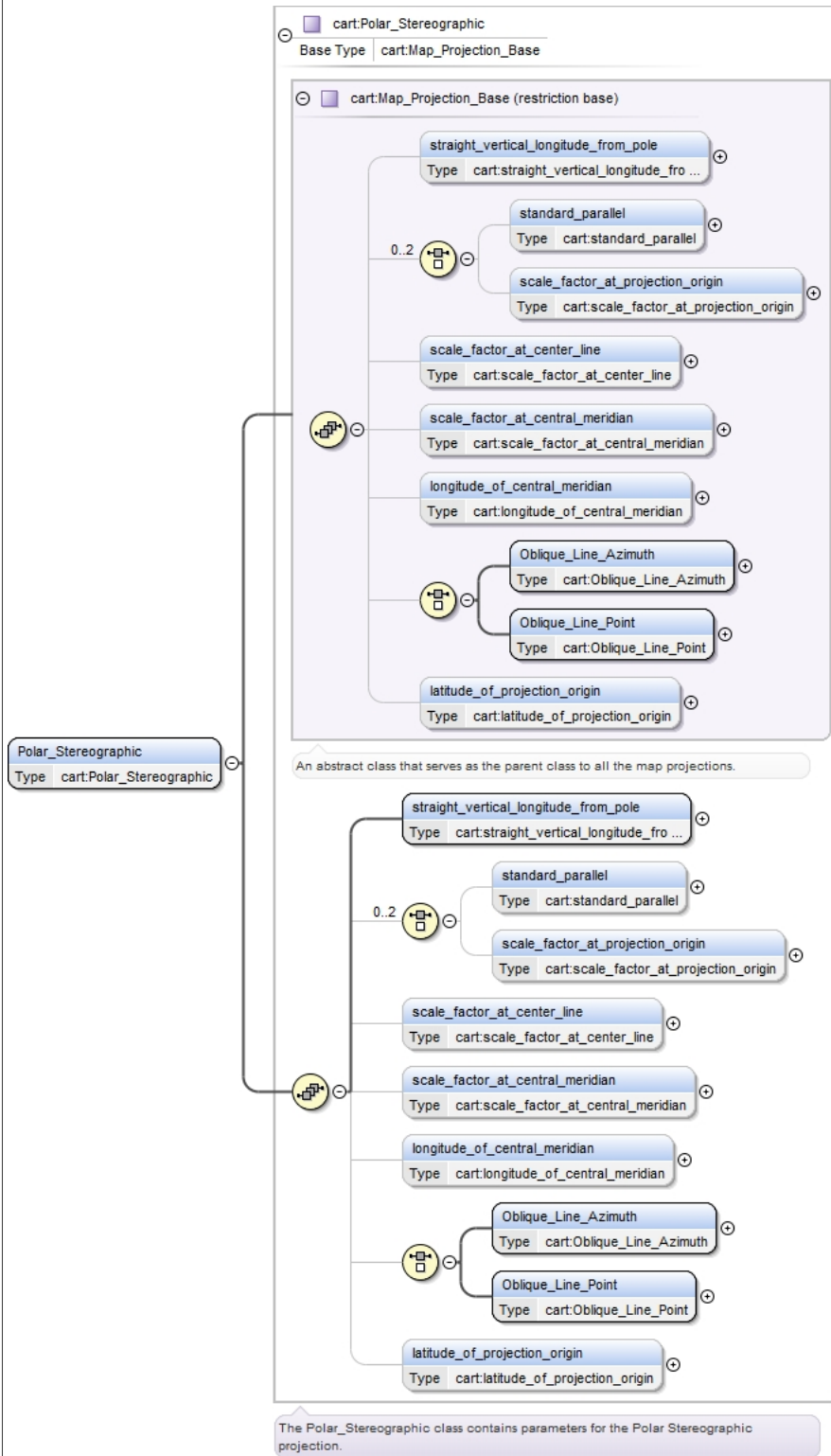
Type	cart:Oblique_Mercator
Type hierarchy	<ul style="list-style-type: none"> • cart:Map_Projection_Base • cart:Oblique_Mercator
Properties	content: complex
Model	cart:straight_vertical_longitude_from_pole{0,1}, (cart:standard_parallel{0,1} cart:scale_factor_at_projection_origin{0,1}), cart:scale_factor_at_center_line, cart:scale_factor_at_central_meridian{0,1}, cart:longitude_of_central_meridian{0,1}, (cart:Oblique_Line_Azimuth cart:Oblique_Line_Point), cart:latitude_of_projection_origin

Children	cart:Oblique_Line_Azimuth, cart:Oblique_Line_Point, cart:latitude_of_projection_origin, cart:longitude_of_central_meridian, cart:scale_factor_at_center_line, cart:scale_factor_at_central_meridian, cart:scale_factor_at_projection_origin, cart:standard_parallel, cart:straight_vertical_longitude_from_pole
Instance	<pre><cart:Oblique_Mercator xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:straight_vertical_longitude_from_pole unit="">{0,1}</ cart:straight_vertical_longitude_from_pole> <cart:standard_parallel unit="">{0,1}</cart:standard_parallel> <cart:scale_factor_at_projection_origin>{0,1}</cart:scale_factor_at_projection_origin> <cart:scale_factor_at_center_line>{1,1}</cart:scale_factor_at_center_line> <cart:scale_factor_at_central_meridian>{0,1}</cart:scale_factor_at_central_meridian> <cart:longitude_of_central_meridian unit="">{0,1}</cart:longitude_of_central_meridian> <cart:Oblique_Line_Azimuth>{1,1}</cart:Oblique_Line_Azimuth> <cart:Oblique_Line_Point>{1,1}</cart:Oblique_Line_Point> <cart:latitude_of_projection_origin unit="">{1,1}</cart:latitude_of_projection_origin> </cart:Oblique_Mercator></pre>
Source	<pre><xs:element name="Oblique_Mercator" type="cart:Oblique_Mercator"> </xs:element></pre>

Element cart:Map_Projection / cart:Polar_Stereographic

Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram



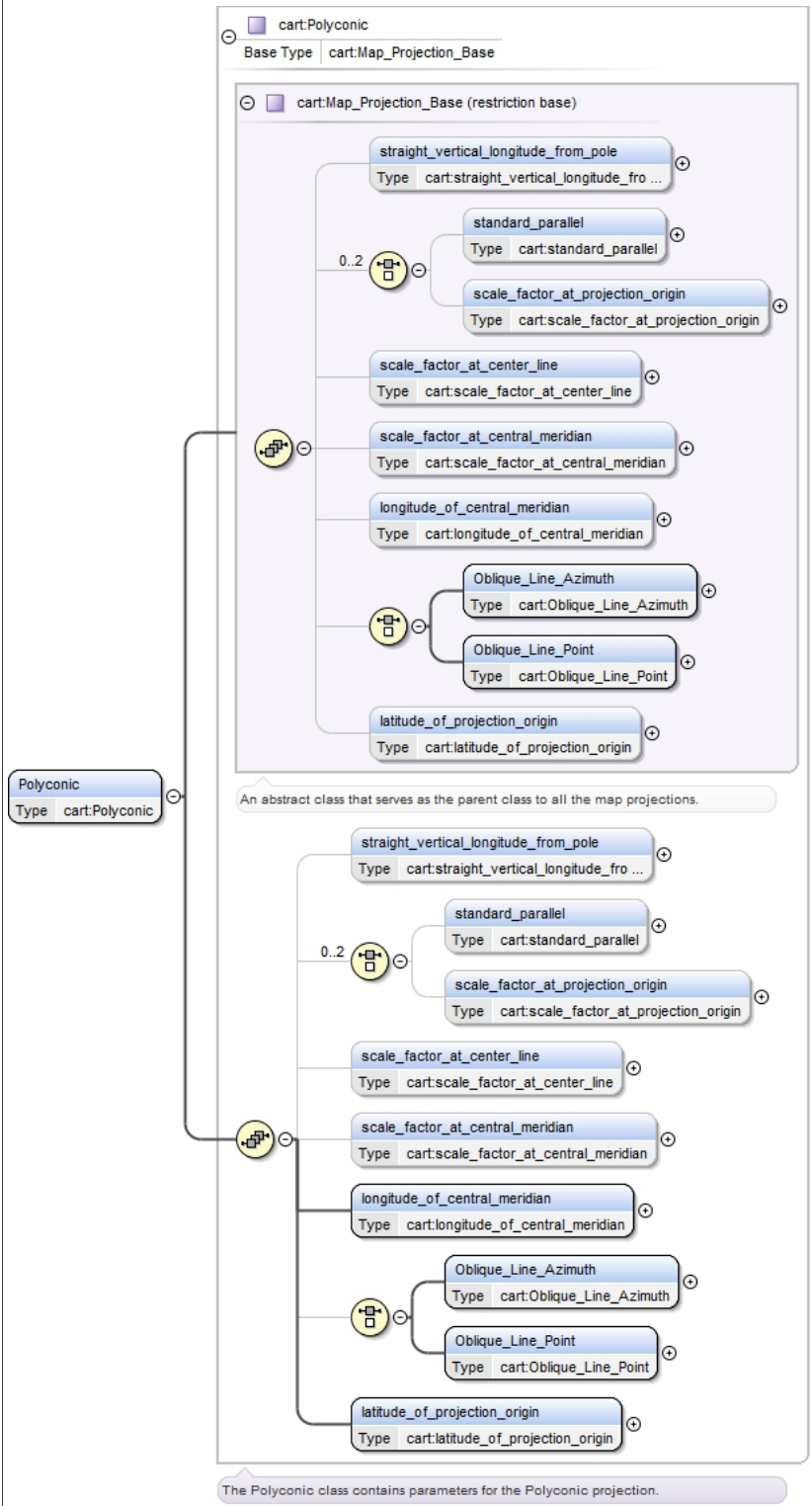
Type	<code>cart:Polar_Stereographic</code>
Type hierarchy	<ul style="list-style-type: none"> <code>cart:Map_Projection_Base</code> <code>cart:Polar_Stereographic</code>
Properties	content: complex
Model	<code>cart:straight_vertical_longitude_from_pole</code> , (<code>cart:standard_parallel</code> {0,1} <code>cart:scale_factor_at_projection_origin</code> {0,1}) , <code>cart:scale_factor_at_center_line</code> {0,1} , <code>cart:scale_factor_at_central_meridian</code> {0,1} , <code>cart:longitude_of_central_meridian</code> {0,1} , (<code>cart:Oblique_Line_Azimuth</code> <code>cart:Oblique_Line_Point</code>) , <code>cart:latitude_of_projection_origin</code> {0,1}

Children	cart:Oblique_Line_Azimuth, cart:Oblique_Line_Point, cart:latitude_of_projection_origin, cart:longitude_of_central_meridian, cart:scale_factor_at_center_line, cart:scale_factor_at_central_meridian, cart:scale_factor_at_projection_origin, cart:standard_parallel, cart:straight_vertical_longitude_from_pole
Instance	<pre><cart:Polar_Stereographic xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:straight_vertical_longitude_from_pole unit="">{1,1}</ cart:straight_vertical_longitude_from_pole> <cart:standard_parallel unit="">{0,1}</cart:standard_parallel> <cart:scale_factor_at_projection_origin>{0,1}</cart:scale_factor_at_projection_origin> <cart:scale_factor_at_center_line>{0,1}</cart:scale_factor_at_center_line> <cart:scale_factor_at_central_meridian>{0,1}</cart:scale_factor_at_central_meridian> <cart:longitude_of_central_meridian unit="">{0,1}</cart:longitude_of_central_meridian> <cart:Oblique_Line_Azimuth>{1,1}</cart:Oblique_Line_Azimuth> <cart:Oblique_Line_Point>{1,1}</cart:Oblique_Line_Point> <cart:latitude_of_projection_origin unit="">{0,1}</cart:latitude_of_projection_origin> </cart:Polar_Stereographic></pre>
Source	<pre><xs:element name="Polar_Stereographic" type="cart:Polar_Stereographic"> </xs:element></pre>

Element cart:Map_Projection / cart:Polyconic

Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram



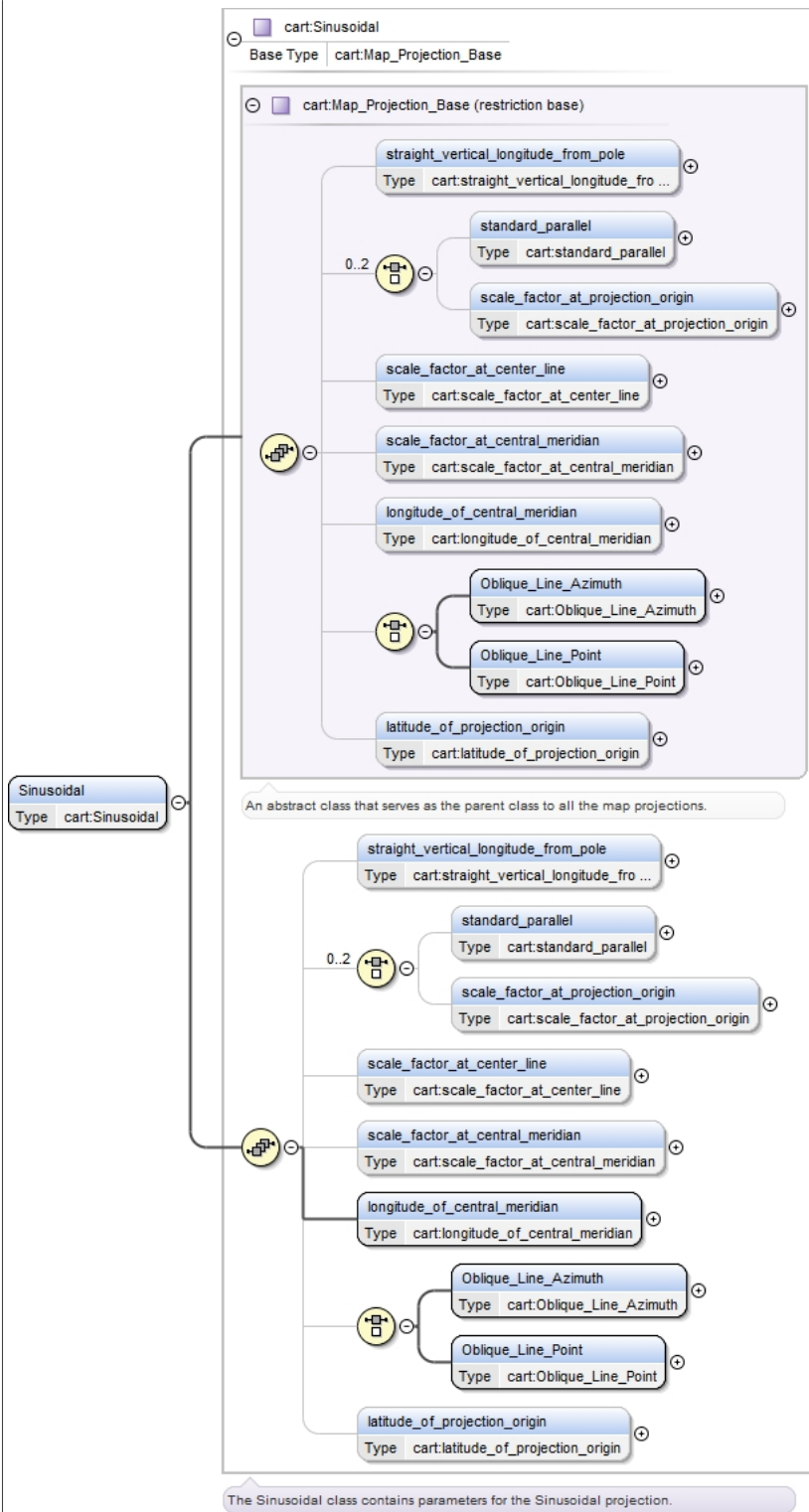
Type	cart:Polyconic
Type hierarchy	<ul style="list-style-type: none"> • cart:Map_Projection_Base • cart:Polyconic
Properties	content: complex
Model	cart:straight_vertical_longitude_from_pole{0,1} , (cart:standard_parallel{0,1} cart:scale_factor_at_projection_origin{0,1}) , cart:scale_factor_at_center_line{0,1} , cart:scale_factor_at_central_meridian{0,1} , cart:longitude_of_central_meridian , (cart:Oblique_Line_Azimuth cart:Oblique_Line_Point) , cart:latitude_of_projection_origin

Children	cart:Oblique_Line_Azimuth, cart:Oblique_Line_Point, cart:latitude_of_projection_origin, cart:longitude_of_central_meridian, cart:scale_factor_at_center_line, cart:scale_factor_at_central_meridian, cart:scale_factor_at_projection_origin, cart:standard_parallel, cart:straight_vertical_longitude_from_pole
Instance	<pre><cart:Polyconic xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:straight_vertical_longitude_from_pole unit="">{0,1}</ cart:straight_vertical_longitude_from_pole> <cart:standard_parallel unit="">{0,1}</cart:standard_parallel> <cart:scale_factor_at_projection_origin>{0,1}</cart:scale_factor_at_projection_origin> <cart:scale_factor_at_center_line>{0,1}</cart:scale_factor_at_center_line> <cart:scale_factor_at_central_meridian>{0,1}</cart:scale_factor_at_central_meridian> <cart:longitude_of_central_meridian unit="">{1,1}</cart:longitude_of_central_meridian> <cart:Oblique_Line_Azimuth>{1,1}</cart:Oblique_Line_Azimuth> <cart:Oblique_Line_Point>{1,1}</cart:Oblique_Line_Point> <cart:latitude_of_projection_origin unit="">{1,1}</cart:latitude_of_projection_origin> </cart:Polyconic></pre>
Source	<pre><xs:element name="Polyconic" type="cart:Polyconic"> </xs:element></pre>

Element cart:Map_Projection / cart:Sinusoidal

Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram



Type	cart:Sinusoidal
Type hierarchy	<ul style="list-style-type: none"> • cart:Map_Projection_Base • cart:Sinusoidal
Properties	content: complex
Model	cart:straight_vertical_longitude_from_pole{0,1} , (cart:standard_parallel{0,1} cart:scale_factor_at_projection_origin{0,1}) , cart:scale_factor_at_center_line{0,1} , cart:scale_factor_at_central_meridian{0,1} , cart:longitude_of_central_meridian , (cart:Oblique_Line_Azimuth cart:Oblique_Line_Point) , cart:latitude_of_projection_origin{0,1}

Children	cart:Oblique_Line_Azimuth, cart:Oblique_Line_Point, cart:latitude_of_projection_origin, cart:longitude_of_central_meridian, cart:scale_factor_at_center_line, cart:scale_factor_at_central_meridian, cart:scale_factor_at_projection_origin, cart:standard_parallel, cart:straight_vertical_longitude_from_pole
Instance	<pre><cart:Sinusoidal xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:straight_vertical_longitude_from_pole unit=" ">{0,1}</ cart:straight_vertical_longitude_from_pole> <cart:standard_parallel unit=" ">{0,1}</cart:standard_parallel> <cart:scale_factor_at_projection_origin>{0,1}</cart:scale_factor_at_projection_origin> <cart:scale_factor_at_center_line>{0,1}</cart:scale_factor_at_center_line> <cart:scale_factor_at_central_meridian>{0,1}</cart:scale_factor_at_central_meridian> <cart:longitude_of_central_meridian unit=" ">{1,1}</cart:longitude_of_central_meridian> <cart:Oblique_Line_Azimuth>{1,1}</cart:Oblique_Line_Azimuth> <cart:Oblique_Line_Point>{1,1}</cart:Oblique_Line_Point> <cart:latitude_of_projection_origin unit=" ">{0,1}</cart:latitude_of_projection_origin> </cart:Sinusoidal></pre>
Source	<pre><xs:element name="Sinusoidal" type="cart:Sinusoidal"> </xs:element></pre>

Element cart:Sinusoidal / cart:straight_vertical_longitude_from_pole

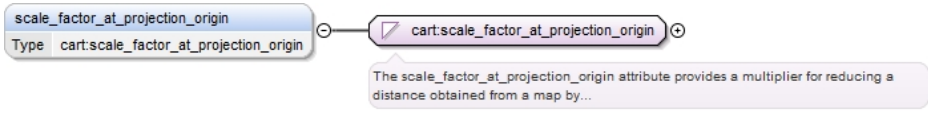
Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:straight_vertical_longitude_from_pole		
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real <ul style="list-style-type: none"> cart:straight_vertical_longitude_from_pole_WO_Units cart:straight_vertical_longitude_from_pole 		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Angle	required
Source	<pre><xs:element name="straight_vertical_longitude_from_pole" type="cart:straight_vertical_longitude_from_pole" minOccurs="0" maxOccurs="1"> </xs:element></pre>		

Element cart:Sinusoidal / cart:standard_parallel

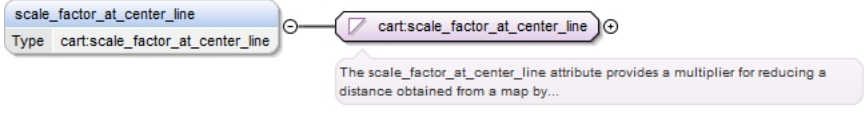
Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			

Type	cart:standard_parallel			
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:standard_parallel_WO_Units • cart:standard_parallel 			
Properties	content:	complex		
	minOccurs:	0		
	maxOccurs:	1		
Attributes	QName	Type	Use	
	unit	pds:Units_of_Angle	required	
Source	<pre><xs:element name="standard_parallel" type="cart:standard_parallel" minOccurs="0" maxOccurs="1"> </xs:element></pre>			

Element cart:Sinusoidal / cart:scale_factor_at_projection_origin

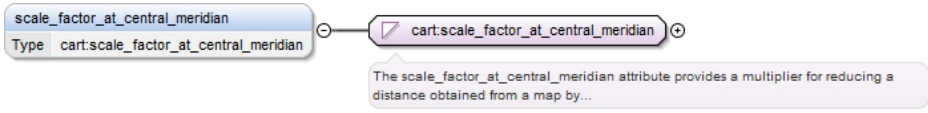
Namespace	http://pds.nasa.gov/pds4/cart/v1			
Diagram				
Type	cart:scale_factor_at_projection_origin			
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:scale_factor_at_projection_origin 			
Properties	content:	simple		
	minOccurs:	0		
	maxOccurs:	1		
Source	<pre><xs:element name="scale_factor_at_projection_origin" type="cart:scale_factor_at_projection_origin" minOccurs="0" maxOccurs="1"> </xs:element></pre>			

Element cart:Sinusoidal / cart:scale_factor_at_center_line

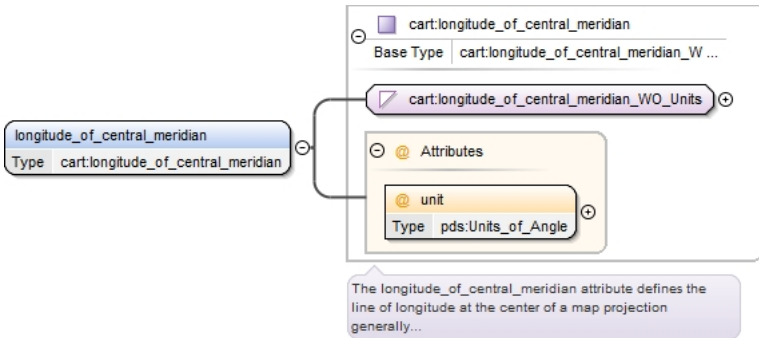
Namespace	http://pds.nasa.gov/pds4/cart/v1			
Diagram				
Type	cart:scale_factor_at_center_line			
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:scale_factor_at_center_line 			
Properties	content:	simple		
	minOccurs:	0		
	maxOccurs:	1		
Facets	minInclusive	0.0		
Source	<pre><xs:element name="scale_factor_at_center_line" type="cart:scale_factor_at_center_line" minOccurs="0" maxOccurs="1"> </xs:element></pre>			

Element cart:Sinusoidal / cart:scale_factor_at_central_meridian

Namespace	http://pds.nasa.gov/pds4/cart/v1			
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Diagram							
Type	cart:scale_factor_at_central_meridian						
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:scale_factor_at_central_meridian 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minInclusive</td> <td>0.0</td> </tr> </table>	minInclusive	0.0				
minInclusive	0.0						
Source	<pre><xs:element name="scale_factor_at_central_meridian" type="cart:scale_factor_at_central_meridian" minOccurs="0" maxOccurs="1" /></pre>						

Element cart:Sinusoidal / cart:longitude_of_central_meridian

Namespace	http://pds.nasa.gov/pds4/cart/v1								
Diagram									
Type	cart:longitude_of_central_meridian								
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:longitude_of_central_meridian_WO_Units cart:longitude_of_central_meridian 								
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>			content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex								
minOccurs:	1								
maxOccurs:	1								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Angle</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Angle	required		
QName	Type	Use							
unit	pds:Units_of_Angle	required							
Source	<pre><xs:element name="longitude_of_central_meridian" type="cart:longitude_of_central_meridian" minOccurs="1" maxOccurs="1" /></pre>								

Element cart:Sinusoidal / cart:Oblique_Line_Azimuth

Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram	
Type	cart:Oblique_Line_Azimuth
Properties	content: complex
Model	cart:azimuthal_angle , cart:azimuth_measure_point_longitude
Children	cart:azimuth_measure_point_longitude, cart:azimuthal_angle
Instance	<pre><cart:Oblique_Line_Azimuth xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:azimuthal_angle unit="">{1,1}</cart:azimuthal_angle> <cart:azimuth_measure_point_longitude unit="">{1,1}</cart:azimuth_measure_point_longitude> </cart:Oblique_Line_Azimuth></pre>
Source	<pre><xs:element name="Oblique_Line_Azimuth" type="cart:Oblique_Line_Azimuth"> </xs:element></pre>

Element cart:Sinusoidal / cart:Oblique_Line_Point

Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	cart:Oblique_Line_Point
Properties	content: complex
Model	cart:Oblique_Line_Point_Group{2,2}
Children	cart:Oblique_Line_Point_Group
Instance	<pre><cart:Oblique_Line_Point xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:Oblique_Line_Point_Group>{2,2}</cart:Oblique_Line_Point_Group> </cart:Oblique_Line_Point></pre>
Source	<pre><xs:element name="Oblique_Line_Point" type="cart:Oblique_Line_Point"> </xs:element></pre>

Element cart:Sinusoidal / cart:latitude_of_projection_origin

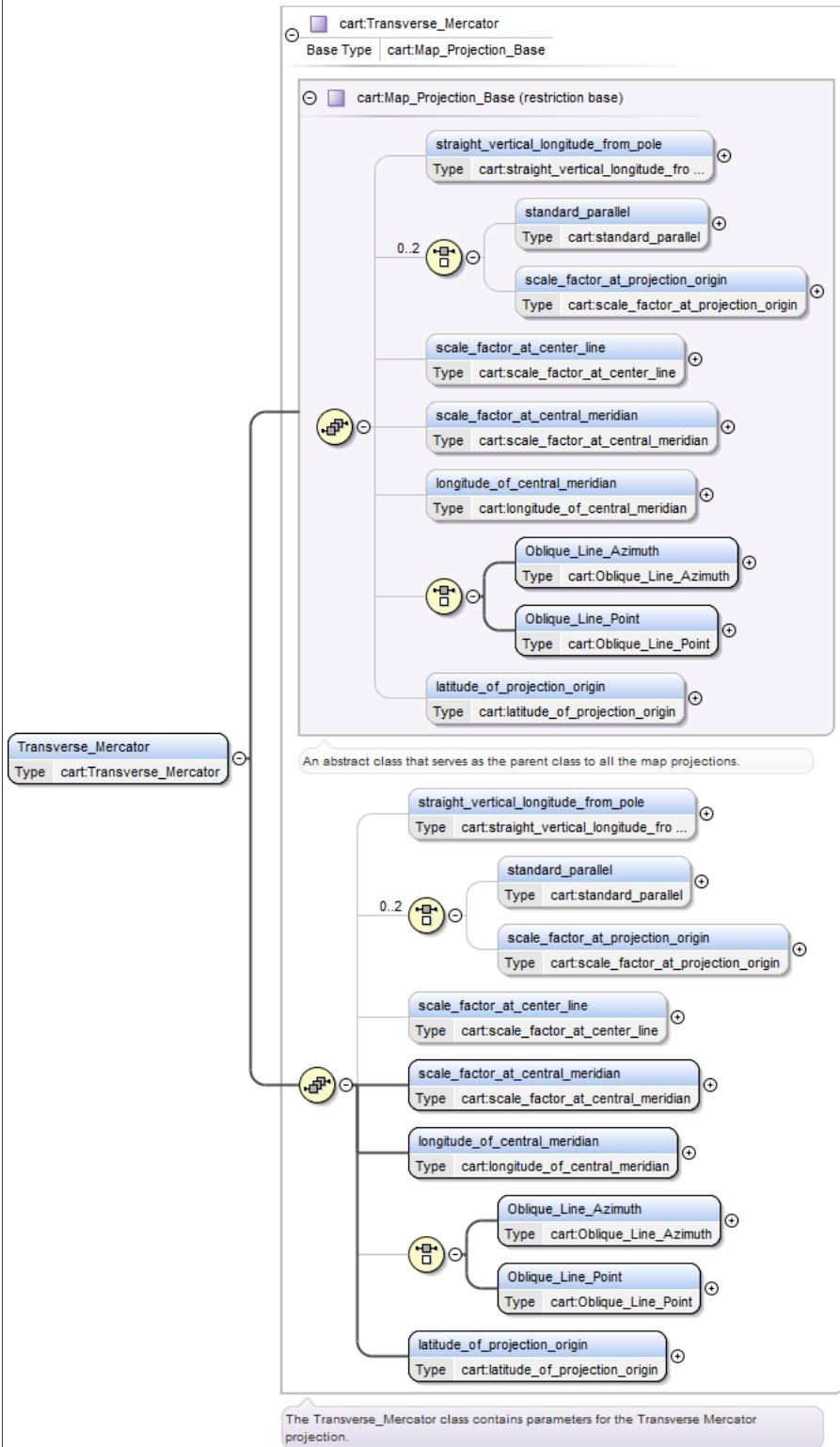
Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	cart:latitude_of_projection_origin
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:latitude_of_projection_origin_WO_Units

	<ul style="list-style-type: none"> • cart:latitude_of_projection_origin 		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Angle	required
Source	<pre><xs:element name="latitude_of_projection_origin" type="cart:latitude_of_projection_origin" minOccurs="0" maxOccurs="1"> </xs:element></pre>		

Element cart:Map_Projection / cart:Transverse_Mercator

Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram



Type	cart:Transverse_Mercator
Type hierarchy	<ul style="list-style-type: none"> • cart:Map_Projection_Base • cart:Transverse_Mercator
Properties	content: complex
Model	cart:straight_vertical_longitude_from_pole{0,1} , (cart:standard_parallel{0,1} cart:scale_factor_at_projection_origin{0,1}) , cart:scale_factor_at_center_line{0,1} , cart:scale_factor_at_central_meridian , cart:longitude_of_central_meridian , (cart:Oblique_Line_Azimuth cart:Oblique_Line_Point) , cart:latitude_of_projection_origin

Children	cart:Oblique_Line_Azimuth, cart:Oblique_Line_Point, cart:latitude_of_projection_origin, cart:longitude_of_central_meridian, cart:scale_factor_at_center_line, cart:scale_factor_at_central_meridian, cart:scale_factor_at_projection_origin, cart:standard_parallel, cart:straight_vertical_longitude_from_pole
Instance	<pre><cart:Transverse_Mercator xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:straight_vertical_longitude_from_pole unit="">{0,1}</ cart:straight_vertical_longitude_from_pole> <cart:standard_parallel unit="">{0,1}</cart:standard_parallel> <cart:scale_factor_at_projection_origin>{0,1}</cart:scale_factor_at_projection_origin> <cart:scale_factor_at_center_line>{0,1}</cart:scale_factor_at_center_line> <cart:scale_factor_at_central_meridian>{1,1}</cart:scale_factor_at_central_meridian> <cart:longitude_of_central_meridian unit="">{1,1}</cart:longitude_of_central_meridian> <cart:Oblique_Line_Azimuth>{1,1}</cart:Oblique_Line_Azimuth> <cart:Oblique_Line_Point>{1,1}</cart:Oblique_Line_Point> <cart:latitude_of_projection_origin unit="">{1,1}</cart:latitude_of_projection_origin> </cart:Transverse_Mercator></pre>
Source	<pre><xs:element name="Transverse_Mercator" type="cart:Transverse_Mercator"> </xs:element></pre>

Element cart:Planar / cart:Planar_Coordinate_Information

Namespace	http://pds.nasa.gov/pds4/cart/v1						
Diagram							
Type	cart:Planar_Coordinate_Information						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	cart:planar_coordinate_encoding_method , (cart:Coordinate_Representation cart:Distance_and_Bearing_Representation)						
Children	cart:Coordinate_Representation, cart:Distance_and_Bearing_Representation, cart:planar_coordinate_encoding_method						
Instance	<pre><cart:Planar_Coordinate_Information xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:planar_coordinate_encoding_method>{1,1}</cart:planar_coordinate_encoding_method> <cart:Coordinate_Representation>{1,1}</cart:Coordinate_Representation> <cart:Distance_and_Bearing_Representation>{1,1}</cart:Distance_and_Bearing_Representation> </cart:Planar_Coordinate_Information></pre>						
Source	<pre><xs:element name="Planar_Coordinate_Information" type="cart:Planar_Coordinate_Information" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element cart:Planar_Coordinate_Information / cart:planar_coordinate_encoding_method

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:planar_coordinate_encoding_method		
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • cart:planar_coordinate_encoding_method 		
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> </table>	content:	simple
content:	simple		

	minOccurs: 1
	maxOccurs: 1
Facets	minLength 1
	maxLength 255
	pattern \p{IsBasicLatin}*
Source	<code><xs:element name="planar_coordinate_encoding_method" type="cart:planar_coordinate_encoding_method" minOccurs="1" maxOccurs="1"> </xs:element></code>

Element `cart:Planar_Coordinate_Information` / `cart:Coordinate_Representation`

Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	cart:Coordinate_Representation
Properties	content: complex
Model	cart:abscissa_resolution, cart:ordinate_resolution
Children	cart:abscissa_resolution, cart:ordinate_resolution
Instance	<code><cart:Coordinate_Representation xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:abscissa_resolution unit="">{1,1}</cart:abscissa_resolution> <cart:ordinate_resolution unit="">{1,1}</cart:ordinate_resolution> </cart:Coordinate_Representation></code>
Source	<code><xs:element name="Coordinate_Representation" type="cart:Coordinate_Representation"> </xs:element></code>

Element `cart:Coordinate_Representation` / `cart:abscissa_resolution`

Namespace	http://pds.nasa.gov/pds4/cart/v1						
Diagram							
Type	cart:abscissa_resolution						
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:abscissa_resolution_WO_Units <ul style="list-style-type: none"> • cart:abscissa_resolution 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						

Attributes	QName	Type	Use
	unit	pds:Units_of_Map_Scale	required

Source `<xs:element name="abscissa_resolution" type="cart:abscissa_resolution" minOccurs="1" maxOccurs="1"></xs:element>`

Element cart:Coordinate_Representation / cart:ordinate_resolution

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:ordinate_resolution		
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:ordinate_resolution_WO_Units • cart:ordinate_resolution 		
Properties	content:	complex	
	minOccurs:	1	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Map_Scale	required
Source	<code><xs:element name="ordinate_resolution" type="cart:ordinate_resolution" minOccurs="1" maxOccurs="1"></xs:element></code>		

Element cart:Planar_Coordinate_Information / cart:Distance_and_Bearing_Representation

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:Distance_and_Bearing_Representation		
Properties	content:	complex	
Model	cart:distance_resolution , cart:bearing_resolution , cart:bearing_reference_direction , cart:bearing_reference_meridian		
Children	cart:bearing_reference_direction, cart:bearing_reference_meridian, cart:bearing_resolution, cart:distance_resolution		

Instance	<pre><cart:Distance_and_Bearing_Representation xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:distance_resolution unit="">{1,1}</cart:distance_resolution> <cart:bearing_resolution unit="">{1,1}</cart:bearing_resolution> <cart:bearing_reference_direction>{1,1}</cart:bearing_reference_direction> <cart:bearing_reference_meridian>{1,1}</cart:bearing_reference_meridian> </cart:Distance_and_Bearing_Representation></pre>
Source	<pre><xs:element name="Distance_and_Bearing_Representation" type="cart:Distance_and_Bearing_Representation"> </xs:element></pre>

Element cart:Distance_and_Bearing_Representation / cart:distance_resolution

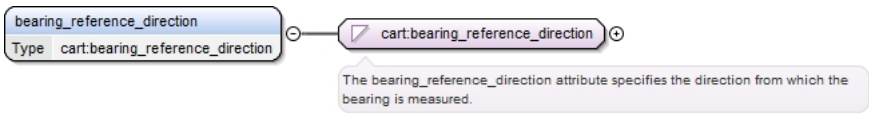
Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:distance_resolution		
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:distance_resolution_WO_Units • cart:distance_resolution 		
Properties	content:	complex	
	minOccurs:	1	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Map_Scale	required
Source	<pre><xs:element name="distance_resolution" type="cart:distance_resolution" minOccurs="1" maxOccurs="1"> </xs:element></pre>		

Element cart:Distance_and_Bearing_Representation / cart:bearing_resolution

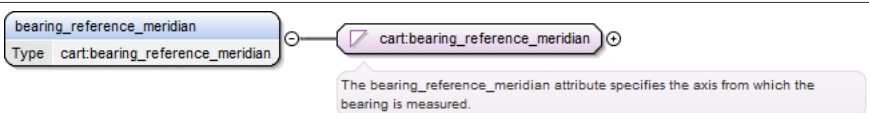
Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:bearing_resolution		
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:bearing_resolution_WO_Units • cart:bearing_resolution 		

Properties	content:	complex		
	minOccurs:	1		
	maxOccurs:	1		
Attributes	QName	Type	Use	
	unit	pds:Units_of_Angle	required	
Source	<code><xs:element name="bearing_resolution" type="cart:bearing_resolution" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>			

Element cart:Distance_and_Bearing_Representation / cart:bearing_reference_direction

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:bearing_reference_direction		
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • cart:bearing_reference_direction 		
Properties	content:	simple	
	minOccurs:	1	
	maxOccurs:	1	
Facets	minLength	5	
	maxLength	5	
	pattern	\p{IsBasicLatin}*	
Source	<code><xs:element name="bearing_reference_direction" type="cart:bearing_reference_direction" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>		

Element cart:Distance_and_Bearing_Representation / cart:bearing_reference_meridian

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:bearing_reference_meridian		
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • cart:bearing_reference_meridian 		
Properties	content:	simple	
	minOccurs:	1	
	maxOccurs:	1	
Facets	minLength	4	
	maxLength	10	
	pattern	\p{IsBasicLatin}*	
Source	<code><xs:element name="bearing_reference_meridian" type="cart:bearing_reference_meridian" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>		

Element `cart:Planar` / `cart:Geo_Transformation`

Namespace	http://pds.nasa.gov/pds4/cart/v1						
Diagram							
Type	cart:Geo_Transformation						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	cart:upperleft_corner_x{0,1} , cart:upperleft_corner_y{0,1}						
Children	cart:upperleft_corner_x, cart:upperleft_corner_y						
Instance	<pre><cart:Geo_Transformation xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:upperleft_corner_x unit="">{0,1}</cart:upperleft_corner_x> <cart:upperleft_corner_y unit="">{0,1}</cart:upperleft_corner_y> </cart:Geo_Transformation></pre>						
Source	<pre><xs:element name="Geo_Transformation" type="cart:Geo_Transformation" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element `cart:Geo_Transformation` / `cart:upperleft_corner_x`

Namespace	http://pds.nasa.gov/pds4/cart/v1						
Diagram							
Type	cart:upperleft_corner_x						
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real <ul style="list-style-type: none"> cart:upperleft_corner_x_WO_Units <ul style="list-style-type: none"> cart:upperleft_corner_x 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Length</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Length	required
QName	Type	Use					
unit	pds:Units_of_Length	required					
Source	<pre><xs:element name="upperleft_corner_x" type="cart:upperleft_corner_x" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element `cart:Geo_Transformation` / `cart:upperleft_corner_y`

Namespace	http://pds.nasa.gov/pds4/cart/v1
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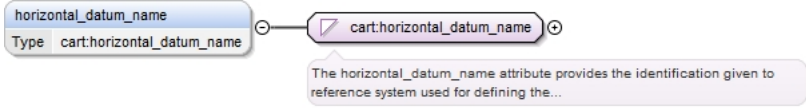
Diagram			
Type	cart:upperleft_corner_y		
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:upperleft_corner_y_WO_Units • cart:upperleft_corner_y 		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Length	required
Source	<pre><xs:element name="upperleft_corner_y" type="cart:upperleft_corner_y" minOccurs="0" maxOccurs="1"> </xs:element></pre>		

Element cart:Horizontal_Coordinate_System_Definition / cart:Geodetic_Model

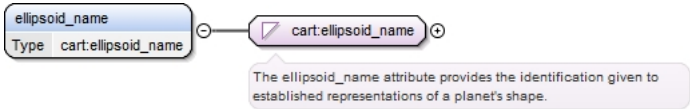
Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:Geodetic_Model		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Model	cart:horizontal_datum_name{0,1} , cart:ellipsoid_name , cart:reference_frame_name{0,1} , cart:semi_major_radius , cart:semi_minor_radius , cart:polar_radius , cart:longitude_direction		
Children	cart:ellipsoid_name, cart:horizontal_datum_name, cart:longitude_direction, cart:polar_radius, cart:reference_frame_name, cart:semi_major_radius, cart:semi_minor_radius		

Instance	<pre><cart:Geodetic_Model xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:horizontal_datum_name>{0,1}</cart:horizontal_datum_name> <cart:ellipsoid_name>{1,1}</cart:ellipsoid_name> <cart:reference_frame_name>{0,1}</cart:reference_frame_name> <cart:semi_major_radius unit="">{1,1}</cart:semi_major_radius> <cart:semi_minor_radius unit="">{1,1}</cart:semi_minor_radius> <cart:polar_radius unit="">{1,1}</cart:polar_radius> <cart:longitude_direction>{1,1}</cart:longitude_direction> </cart:Geodetic_Model></pre>
Source	<pre><xs:element name="Geodetic_Model" type="cart:Geodetic_Model" minOccurs="0" maxOccurs="1"> </xs:element></pre>

Element `cart:Geodetic_Model / cart:horizontal_datum_name`

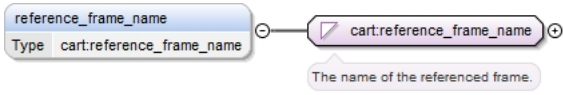
Namespace	http://pds.nasa.gov/pds4/cart/v1						
Diagram							
Type	cart:horizontal_datum_name						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed cart:horizontal_datum_name 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>maxLength</td><td>255</td></tr> <tr><td>pattern</td><td>\p{IsBasicLatin}*</td></tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="horizontal_datum_name" type="cart:horizontal_datum_name" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element `cart:Geodetic_Model / cart:ellipsoid_name`

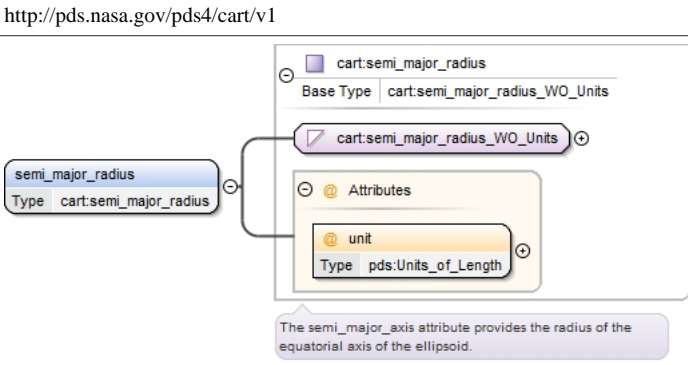
Namespace	http://pds.nasa.gov/pds4/cart/v1						
Diagram							
Type	cart:ellipsoid_name						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed cart:ellipsoid_name 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>1</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>maxLength</td><td>255</td></tr> <tr><td>pattern</td><td>\p{IsBasicLatin}*</td></tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="ellipsoid_name" type="cart:ellipsoid_name" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element `cart:Geodetic_Model / cart:reference_frame_name`

Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram							
Type	cart:reference_frame_name						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed cart:reference_frame_name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="reference_frame_name" type="cart:reference_frame_name" minOccurs="0" maxOccurs="1" /> </xs:element></pre>						

Element cart:Geodetic_Model / cart:semi_major_radius

Namespace	http://pds.nasa.gov/pds4/cart/v1								
Diagram									
Type	cart:semi_major_radius								
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:semi_major_radius_WO_Units cart:semi_major_radius 								
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>			content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex								
minOccurs:	1								
maxOccurs:	1								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Length</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Length	required		
QName	Type	Use							
unit	pds:Units_of_Length	required							
Source	<pre><xs:element name="semi_major_radius" type="cart:semi_major_radius" minOccurs="1" maxOccurs="1" /> </xs:element></pre>								

Element cart:Geodetic_Model / cart:semi_minor_radius

Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram			
Type	cart:semi_minor_radius		
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:semi_minor_radius_WO_Units • cart:semi_minor_radius 		
Properties	content:	complex	
	minOccurs:	1	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Length	required
Source	<pre><xs:element name="semi_minor_radius" type="cart:semi_minor_radius" minOccurs="1" maxOccurs="1"> </xs:element></pre>		

Element cart:Geodetic_Model / cart:polar_radius

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	cart:polar_radius		
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:polar_radius_WO_Units • cart:polar_radius 		
Properties	content:	complex	
	minOccurs:	1	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Length	required
Source	<pre><xs:element name="polar_radius" type="cart:polar_radius" minOccurs="1" maxOccurs="1"> </xs:element></pre>		

Element `cart:Geodetic_Model` / `cart:longitude_direction`

Namespace	http://pds.nasa.gov/pds4/cart/v1						
Diagram							
Type	cart:longitude_direction						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed cart:longitude_direction 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>13</td> </tr> <tr> <td>maxLength</td> <td>13</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	13	maxLength	13	pattern	\p{IsBasicLatin}*
minLength	13						
maxLength	13						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="longitude_direction" type="cart:longitude_direction" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element `cart:Coordinate_Representation`

Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	cart:Coordinate_Representation
Properties	content: complex
Model	cart:abscissa_resolution , cart:ordinate_resolution
Children	cart:abscissa_resolution, cart:ordinate_resolution
Instance	<pre><cart:Coordinate_Representation xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:abscissa_resolution unit="">{1,1}</cart:abscissa_resolution> <cart:ordinate_resolution unit="">{1,1}</cart:ordinate_resolution> </cart:Coordinate_Representation></pre>
Source	<pre><xs:element name="Coordinate_Representation" type="cart:Coordinate_Representation"> </xs:element></pre>

Element `cart:Distance_and_Bearing_Representation`

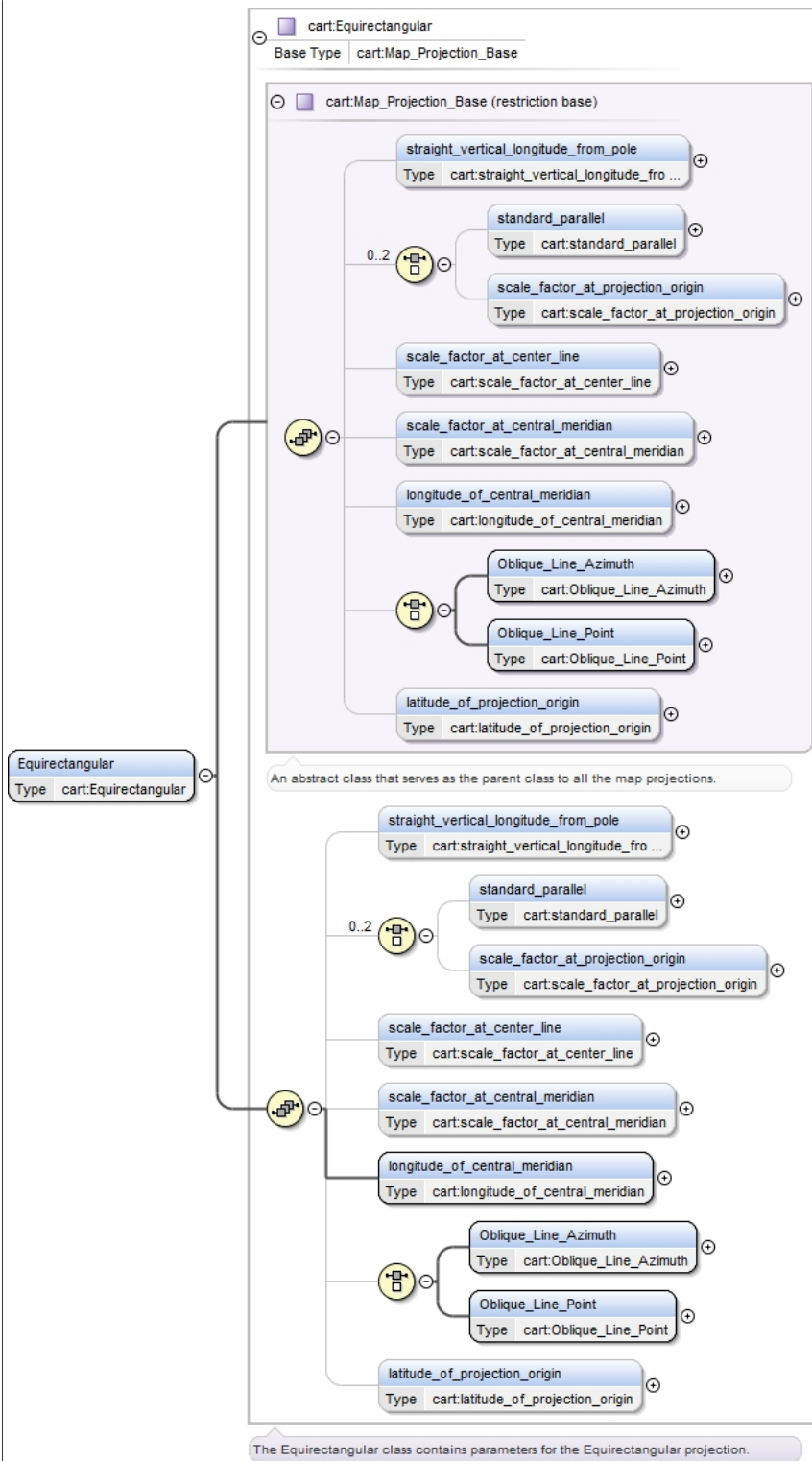
Namespace	http://pds.nasa.gov/pds4/cart/v1
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<p>Diagram</p>	
<p>Type</p>	<p>cart:Distance_and_Bearing_Representation</p>
<p>Properties</p>	<p>content: complex</p>
<p>Model</p>	<p>cart:distance_resolution , cart:bearing_resolution , cart:bearing_reference_direction , cart:bearing_reference_meridian</p>
<p>Children</p>	<p>cart:bearing_reference_direction, cart:bearing_reference_meridian, cart:bearing_resolution, cart:distance_resolution</p>
<p>Instance</p>	<pre><cart:Distance_and_Bearing_Representation xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:distance_resolution unit="">{1,1}</cart:distance_resolution> <cart:bearing_resolution unit="">{1,1}</cart:bearing_resolution> <cart:bearing_reference_direction>{1,1}</cart:bearing_reference_direction> <cart:bearing_reference_meridian>{1,1}</cart:bearing_reference_meridian> </cart:Distance_and_Bearing_Representation></pre>
<p>Source</p>	<pre><xs:element name="Distance_and_Bearing_Representation" type="cart:Distance_and_Bearing_Representation"> </xs:element></pre>

Element cart:Equirectangular

<p>Namespace</p>	<p>http://pds.nasa.gov/pds4/cart/v1</p>
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Diagram



Type	<code>cart:Equirectangular</code>
Type hierarchy	<ul style="list-style-type: none"> <code>cart:Map_Projection_Base</code> <code>cart:Equirectangular</code>
Properties	content: complex
Model	<code>cart:straight_vertical_longitude_from_pole{0,1}</code> , <code>(cart:standard_parallel{0,1} cart:scale_factor_at_projection_origin{0,1})</code> , <code>cart:scale_factor_at_center_line{0,1}</code> , <code>cart:scale_factor_at_central_meridian{0,1}</code> , <code>cart:longitude_of_central_meridian</code> , <code>(cart:Oblique_Line_Azimuth cart:Oblique_Line_Point)</code> , <code>cart:latitude_of_projection_origin{0,1}</code>

Children	cart:Oblique_Line_Azimuth, cart:Oblique_Line_Point, cart:latitude_of_projection_origin, cart:longitude_of_central_meridian, cart:scale_factor_at_center_line, cart:scale_factor_at_central_meridian, cart:scale_factor_at_projection_origin, cart:standard_parallel, cart:straight_vertical_longitude_from_pole
Instance	<pre><cart:Equirectangular xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:straight_vertical_longitude_from_pole unit="">{0,1}</ cart:straight_vertical_longitude_from_pole> <cart:standard_parallel unit="">{0,1}</cart:standard_parallel> <cart:scale_factor_at_projection_origin>{0,1}</cart:scale_factor_at_projection_origin> <cart:scale_factor_at_center_line>{0,1}</cart:scale_factor_at_center_line> <cart:scale_factor_at_central_meridian>{0,1}</cart:scale_factor_at_central_meridian> <cart:longitude_of_central_meridian unit="">{1,1}</cart:longitude_of_central_meridian> <cart:Oblique_Line_Azimuth>{1,1}</cart:Oblique_Line_Azimuth> <cart:Oblique_Line_Point>{1,1}</cart:Oblique_Line_Point> <cart:latitude_of_projection_origin unit="">{0,1}</cart:latitude_of_projection_origin> </cart:Equirectangular></pre>
Source	<pre><xs:element name="Equirectangular" type="cart:Equirectangular"> </xs:element></pre>

Element cart:Geodetic_Model

Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	cart:Geodetic_Model
Properties	content: complex
Model	cart:horizontal_datum_name{0,1} , cart:ellipsoid_name , cart:reference_frame_name{0,1} , cart:semi_major_radius , cart:semi_minor_radius , cart:polar_radius , cart:longitude_direction
Children	cart:ellipsoid_name, cart:horizontal_datum_name, cart:longitude_direction, cart:polar_radius, cart:reference_frame_name, cart:semi_major_radius, cart:semi_minor_radius
Instance	<pre><cart:Geodetic_Model xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:horizontal_datum_name>{0,1}</cart:horizontal_datum_name> <cart:ellipsoid_name>{1,1}</cart:ellipsoid_name> <cart:reference_frame_name>{0,1}</cart:reference_frame_name> <cart:semi_major_radius unit="">{1,1}</cart:semi_major_radius> <cart:semi_minor_radius unit="">{1,1}</cart:semi_minor_radius> <cart:polar_radius unit="">{1,1}</cart:polar_radius> <cart:longitude_direction>{1,1}</cart:longitude_direction> </cart:Geodetic_Model></pre>
Source	<pre><xs:element name="Geodetic_Model" type="cart:Geodetic_Model"> </xs:element></pre>

Element cart:Geographic

Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram	
Type	cart:Geographic
Properties	content: complex
Model	cart:latitude_resolution , cart:longitude_resolution
Children	cart:latitude_resolution, cart:longitude_resolution
Instance	<pre><cart:Geographic xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:latitude_resolution unit="">{1,1}</cart:latitude_resolution> <cart:longitude_resolution unit="">{1,1}</cart:longitude_resolution> </cart:Geographic></pre>
Source	<pre><xs:element name="Geographic" type="cart:Geographic"> </xs:element></pre>

Element cart:Grid_Coordinate_System

Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	cart:Grid_Coordinate_System
Properties	content: complex
Model	cart:grid_coordinate_system_name , cart:Universal_Transverse_Mercator{0,1} , cart:Universal_Polar_Stereographic{0,1} , cart:State_Plane_Coordinate_System{0,1}
Children	cart:State_Plane_Coordinate_System, cart:Universal_Polar_Stereographic, cart:Universal_Transverse_Mercator, cart:grid_coordinate_system_name
Instance	<pre><cart:Grid_Coordinate_System xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:grid_coordinate_system_name>{1,1}</cart:grid_coordinate_system_name> <cart:Universal_Transverse_Mercator>{0,1}</cart:Universal_Transverse_Mercator> <cart:Universal_Polar_Stereographic>{0,1}</cart:Universal_Polar_Stereographic> <cart:State_Plane_Coordinate_System>{0,1}</cart:State_Plane_Coordinate_System> </cart:Grid_Coordinate_System></pre>
Source	<pre><xs:element name="Grid_Coordinate_System" type="cart:Grid_Coordinate_System"> </xs:element></pre>

Element cart:Horizontal_Coordinate_System_Definition

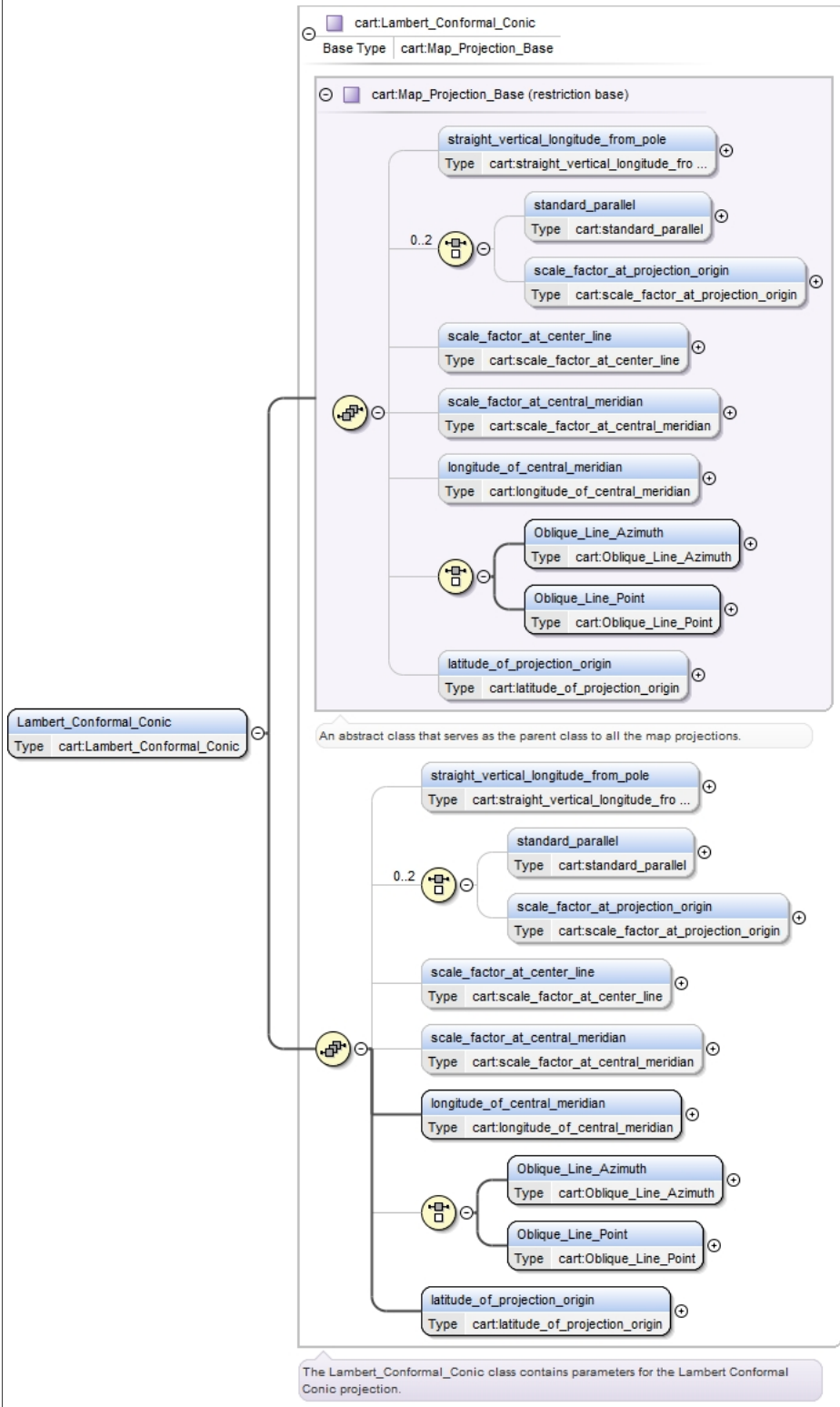
Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram	
Type	cart:Horizontal_Coordinate_System_Definition
Properties	content: complex
Model	(cart:Geographic cart:Local cart:Planar) , cart:Geodetic_Model{0,1}
Children	cart:Geodetic_Model, cart:Geographic, cart:Local, cart:Planar
Instance	<pre><cart:Horizontal_Coordinate_System_Definition xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:Geographic>{1,1}</cart:Geographic> <cart:Local>{1,1}</cart:Local> <cart:Planar>{1,1}</cart:Planar> <cart:Geodetic_Model>{0,1}</cart:Geodetic_Model> </cart:Horizontal_Coordinate_System_Definition></pre>
Source	<pre><xs:element name="Horizontal_Coordinate_System_Definition" type="cart:Horizontal_Coordinate_System_Definition"> </xs:element></pre>

Element cart:Lambert_Conformal_Conic

Namespace	http://pds.nasa.gov/pds4/cart/v1
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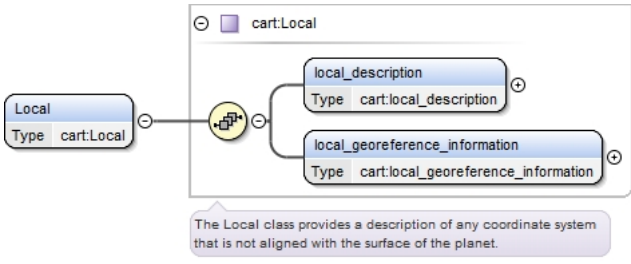
Diagram



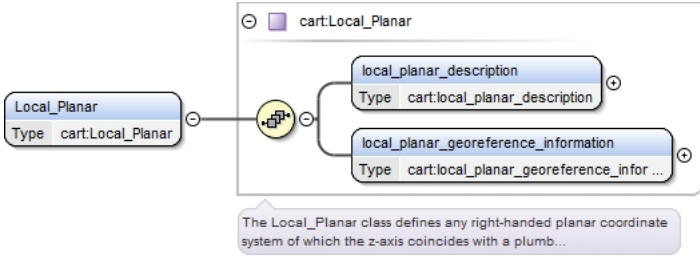
Type	cart:Lambert_Conformal_Conic
Type hierarchy	<ul style="list-style-type: none"> • cart:Map_Projection_Base • cart:Lambert_Conformal_Conic
Properties	content: complex
Model	cart:straight_vertical_longitude_from_pole{0,1} , (cart:standard_parallel{0,1} cart:scale_factor_at_projection_origin{0,1}) , cart:scale_factor_at_center_line{0,1} , cart:scale_factor_at_central_meridian{0,1} , cart:longitude_of_central_meridian , (cart:Oblique_Line_Azimuth cart:Oblique_Line_Point) , cart:latitude_of_projection_origin

Children	cart:Oblique_Line_Azimuth, cart:Oblique_Line_Point, cart:latitude_of_projection_origin, cart:longitude_of_central_meridian, cart:scale_factor_at_center_line, cart:scale_factor_at_central_meridian, cart:scale_factor_at_projection_origin, cart:standard_parallel, cart:straight_vertical_longitude_from_pole
Instance	<pre><cart:Lambert_Conformal_Conic xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:straight_vertical_longitude_from_pole unit="">{0,1}</ cart:straight_vertical_longitude_from_pole> <cart:standard_parallel unit="">{0,1}</cart:standard_parallel> <cart:scale_factor_at_projection_origin>{0,1}</cart:scale_factor_at_projection_origin> <cart:scale_factor_at_center_line>{0,1}</cart:scale_factor_at_center_line> <cart:scale_factor_at_central_meridian>{0,1}</cart:scale_factor_at_central_meridian> <cart:longitude_of_central_meridian unit="">{1,1}</cart:longitude_of_central_meridian> <cart:Oblique_Line_Azimuth>{1,1}</cart:Oblique_Line_Azimuth> <cart:Oblique_Line_Point>{1,1}</cart:Oblique_Line_Point> <cart:latitude_of_projection_origin unit="">{1,1}</cart:latitude_of_projection_origin> </cart:Lambert_Conformal_Conic></pre>
Source	<pre><xs:element name="Lambert_Conformal_Conic" type="cart:Lambert_Conformal_Conic"> </xs:element></pre>

Element cart:Local

Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	cart:Local
Properties	content: complex
Model	cart:local_description , cart:local_georeference_information
Children	cart:local_description, cart:local_georeference_information
Instance	<pre><cart:Local xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:local_description>{1,1}</cart:local_description> <cart:local_georeference_information>{1,1}</cart:local_georeference_information> </cart:Local></pre>
Source	<pre><xs:element name="Local" type="cart:Local"> </xs:element></pre>

Element cart:Local_Planar

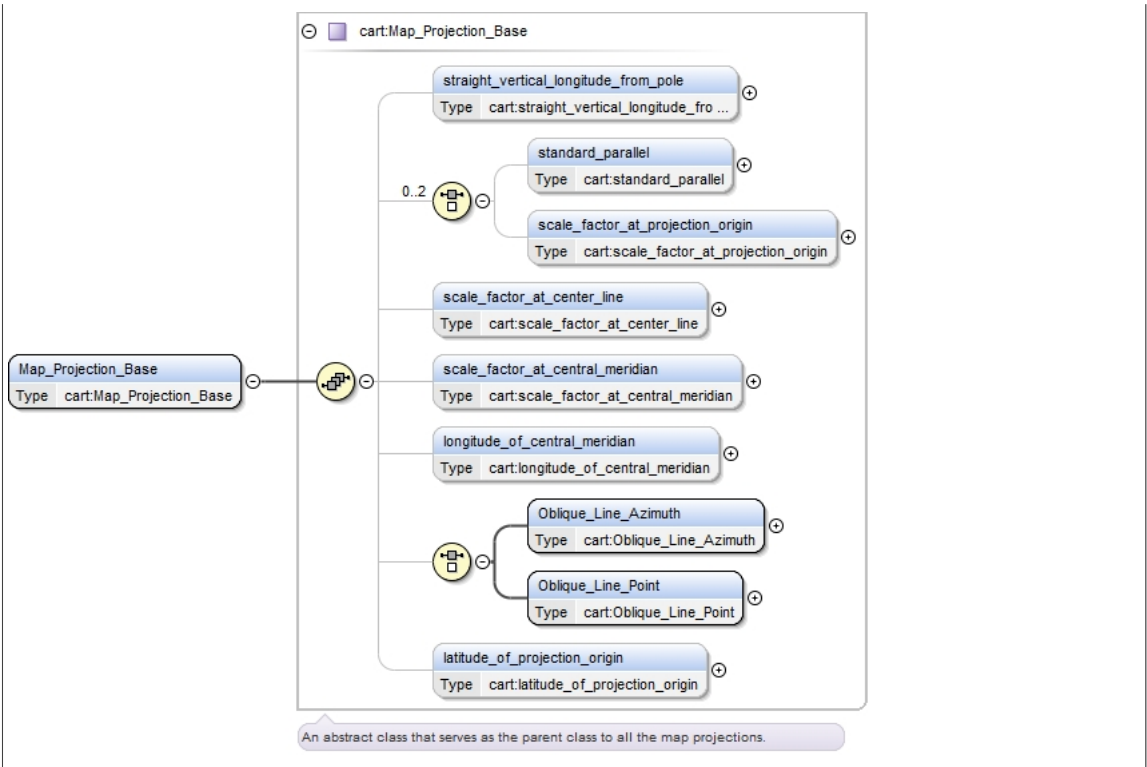
Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	cart:Local_Planar
Properties	content: complex
Model	cart:local_planar_description , cart:local_planar_georeference_information
Children	cart:local_planar_description, cart:local_planar_georeference_information
Instance	<pre><cart:Local_Planar xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:local_planar_description>{1,1}</cart:local_planar_description> <cart:local_planar_georeference_information>{1,1}</cart:local_planar_georeference_information> </cart:Local_Planar></pre>
Source	<pre><xs:element name="Local_Planar" type="cart:Local_Planar"> </xs:element></pre>

Element cart:Map_Projection

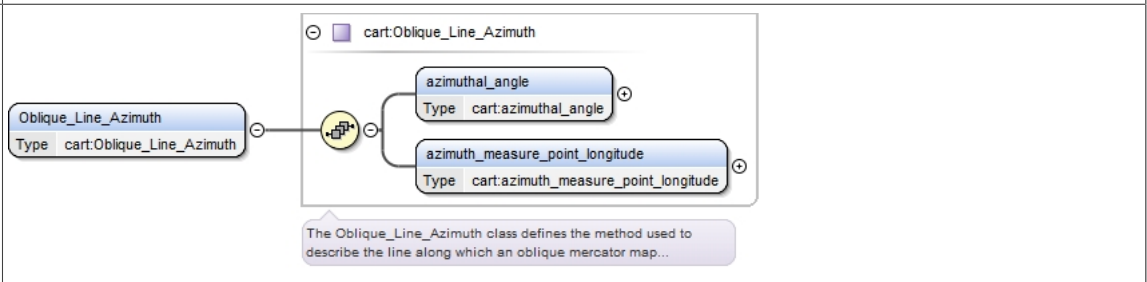
Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	cart:Map_Projection
Properties	content: complex
Model	cart:map_projection_name , (cart:Equirectangular cart:Lambert_Conformal_Conic cart:Oblique_Mercator cart:Polar_Stereographic cart:Polyconic cart:Sinusoidal cart:Transverse_Mercator)
Children	cart:Equirectangular, cart:Lambert_Conformal_Conic, cart:Oblique_Mercator, cart:Polar_Stereographic, cart:Polyconic, cart:Sinusoidal, cart:Transverse_Mercator, cart:map_projection_name
Instance	<pre><cart:Map_Projection xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:map_projection_name>{1,1}</cart:map_projection_name> <cart:Equirectangular>{1,1}</cart:Equirectangular> <cart:Lambert_Conformal_Conic>{1,1}</cart:Lambert_Conformal_Conic> <cart:Oblique_Mercator>{1,1}</cart:Oblique_Mercator> <cart:Polar_Stereographic>{1,1}</cart:Polar_Stereographic> <cart:Polyconic>{1,1}</cart:Polyconic> <cart:Sinusoidal>{1,1}</cart:Sinusoidal> <cart:Transverse_Mercator>{1,1}</cart:Transverse_Mercator> </cart:Map_Projection></pre>
Source	<pre><xs:element name="Map_Projection" type="cart:Map_Projection"> </xs:element></pre>

Element cart:Map_Projection_Base

Namespace	http://pds.nasa.gov/pds4/cart/v1
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<p>Diagram</p>	
<p>Type</p>	<p>cart:Map_Projection_Base</p>
<p>Properties</p>	<p>content: complex</p>
<p>Model</p>	<p>cart:straight_vertical_longitude_from_pole{0,1} , (cart:standard_parallel{0,1} cart:scale_factor_at_projection_origin{0,1}) , cart:scale_factor_at_center_line{0,1} , cart:scale_factor_at_central_meridian{0,1} , cart:longitude_of_central_meridian{0,1} , (cart:Oblique_Line_Azimuth cart:Oblique_Line_Point) , cart:latitude_of_projection_origin{0,1}</p>
<p>Children</p>	<p>cart:Oblique_Line_Azimuth, cart:Oblique_Line_Point, cart:latitude_of_projection_origin, cart:longitude_of_central_meridian, cart:scale_factor_at_center_line, cart:scale_factor_at_central_meridian, cart:scale_factor_at_projection_origin, cart:standard_parallel, cart:straight_vertical_longitude_from_pole</p>
<p>Instance</p>	<pre><cart:Map_Projection_Base xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:straight_vertical_longitude_from_pole unit="">{0,1}</cart:straight_vertical_longitude_from_pole> <cart:standard_parallel unit="">{0,1}</cart:standard_parallel> <cart:scale_factor_at_projection_origin>{0,1}</cart:scale_factor_at_projection_origin> <cart:scale_factor_at_center_line>{0,1}</cart:scale_factor_at_center_line> <cart:scale_factor_at_central_meridian>{0,1}</cart:scale_factor_at_central_meridian> <cart:longitude_of_central_meridian unit="">{0,1}</cart:longitude_of_central_meridian> <cart:Oblique_Line_Azimuth>{1,1}</cart:Oblique_Line_Azimuth> <cart:Oblique_Line_Point>{1,1}</cart:Oblique_Line_Point> <cart:latitude_of_projection_origin unit="">{0,1}</cart:latitude_of_projection_origin> </cart:Map_Projection_Base></pre>
<p>Source</p>	<pre><xs:element name="Map_Projection_Base" type="cart:Map_Projection_Base"> </xs:element></pre>

Element cart:Oblique_Line_Azimuth

<p>Namespace</p>	<p>http://pds.nasa.gov/pds4/cart/v1</p>
<p>Diagram</p>	
<p>Type</p>	<p>cart:Oblique_Line_Azimuth</p>
<p>Properties</p>	<p>content: complex</p>

Model	cart:azimuthal_angle , cart:azimuth_measure_point_longitude
Children	cart:azimuth_measure_point_longitude, cart:azimuthal_angle
Instance	<pre><cart:Oblique_Line_Azimuth xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:azimuthal_angle unit="">{1,1}</cart:azimuthal_angle> <cart:azimuth_measure_point_longitude unit="">{1,1}</cart:azimuth_measure_point_longitude> </cart:Oblique_Line_Azimuth></pre>
Source	<pre><xs:element name="Oblique_Line_Azimuth" type="cart:Oblique_Line_Azimuth"> </xs:element></pre>

Element cart:Oblique_Line_Point

Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	cart:Oblique_Line_Point
Properties	content: complex
Model	cart:Oblique_Line_Point_Group{2,2}
Children	cart:Oblique_Line_Point_Group
Instance	<pre><cart:Oblique_Line_Point xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:Oblique_Line_Point_Group>{2,2}</cart:Oblique_Line_Point_Group> </cart:Oblique_Line_Point></pre>
Source	<pre><xs:element name="Oblique_Line_Point" type="cart:Oblique_Line_Point"> </xs:element></pre>

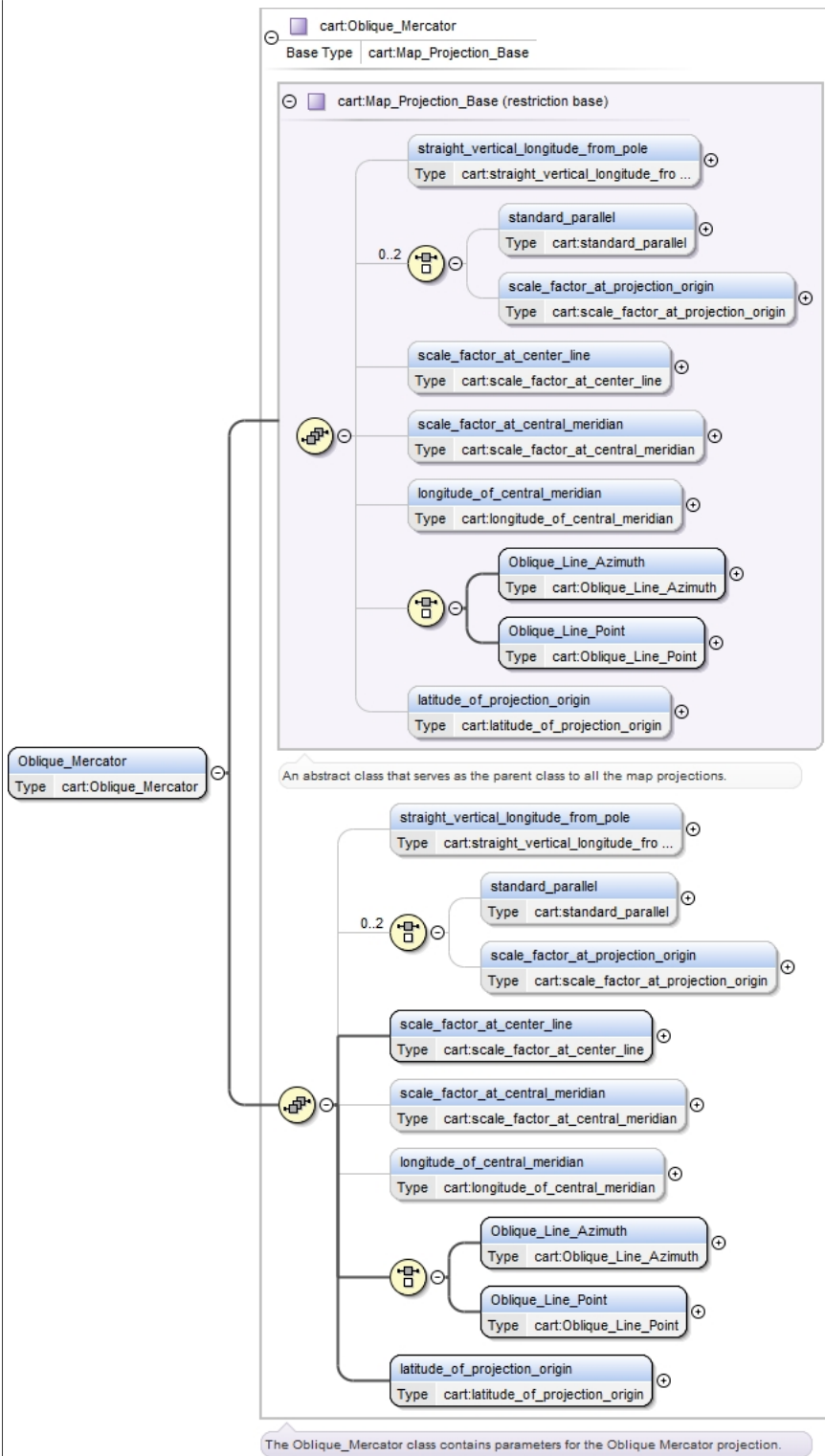
Element cart:Oblique_Line_Point_Group

Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	cart:Oblique_Line_Point_Group
Properties	content: complex
Model	cart:oblique_line_latitude , cart:oblique_line_longitude
Children	cart:oblique_line_latitude, cart:oblique_line_longitude
Instance	<pre><cart:Oblique_Line_Point_Group xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:oblique_line_latitude unit="">{1,1}</cart:oblique_line_latitude> <cart:oblique_line_longitude unit="">{1,1}</cart:oblique_line_longitude> </cart:Oblique_Line_Point_Group></pre>
Source	<pre><xs:element name="Oblique_Line_Point_Group" type="cart:Oblique_Line_Point_Group"> </xs:element></pre>

Element cart:Oblique_Mercator

Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram



Type `cart:Oblique_Mercator`

Type hierarchy

- `cart:Map_Projection_Base`
- `cart:Oblique_Mercator`

Properties content: complex

Model `cart:straight_vertical_longitude_from_pole{0,1}`, `(cart:standard_parallel{0,1} | cart:scale_factor_at_projection_origin{0,1})`, `cart:scale_factor_at_center_line`, `cart:scale_factor_at_central_meridian{0,1}`, `cart:longitude_of_central_meridian{0,1}`, `(cart:Oblique_Line_Azimuth | cart:Oblique_Line_Point)`, `cart:latitude_of_projection_origin`

Children	cart:Oblique_Line_Azimuth, cart:Oblique_Line_Point, cart:latitude_of_projection_origin, cart:longitude_of_central_meridian, cart:scale_factor_at_center_line, cart:scale_factor_at_central_meridian, cart:scale_factor_at_projection_origin, cart:standard_parallel, cart:straight_vertical_longitude_from_pole
Instance	<pre><cart:Oblique_Mercator xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:straight_vertical_longitude_from_pole unit="">{0,1}</ cart:straight_vertical_longitude_from_pole> <cart:standard_parallel unit="">{0,1}</cart:standard_parallel> <cart:scale_factor_at_projection_origin>{0,1}</cart:scale_factor_at_projection_origin> <cart:scale_factor_at_center_line>{1,1}</cart:scale_factor_at_center_line> <cart:scale_factor_at_central_meridian>{0,1}</cart:scale_factor_at_central_meridian> <cart:longitude_of_central_meridian unit="">{0,1}</cart:longitude_of_central_meridian> <cart:Oblique_Line_Azimuth>{1,1}</cart:Oblique_Line_Azimuth> <cart:Oblique_Line_Point>{1,1}</cart:Oblique_Line_Point> <cart:latitude_of_projection_origin unit="">{1,1}</cart:latitude_of_projection_origin> </cart:Oblique_Mercator></pre>
Source	<pre><xs:element name="Oblique_Mercator" type="cart:Oblique_Mercator"> </xs:element></pre>

Element cart:Planar

Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	cart:Planar
Properties	content: complex
Model	(cart:Grid_Coordinate_System cart:Local_Planar cart:Map_Projection) , cart:Planar_Coordinate_Information , cart:Geo_Transformation{0,1}
Children	cart:Geo_Transformation, cart:Grid_Coordinate_System, cart:Local_Planar, cart:Map_Projection, cart:Planar_Coordinate_Information
Instance	<pre><cart:Planar xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:Grid_Coordinate_System>{1,1}</cart:Grid_Coordinate_System> <cart:Local_Planar>{1,1}</cart:Local_Planar> <cart:Map_Projection>{1,1}</cart:Map_Projection> <cart:Planar_Coordinate_Information>{1,1}</cart:Planar_Coordinate_Information> <cart:Geo_Transformation>{0,1}</cart:Geo_Transformation> </cart:Planar></pre>
Source	<pre><xs:element name="Planar" type="cart:Planar"> </xs:element></pre>

Element cart:Planar_Coordinate_Information

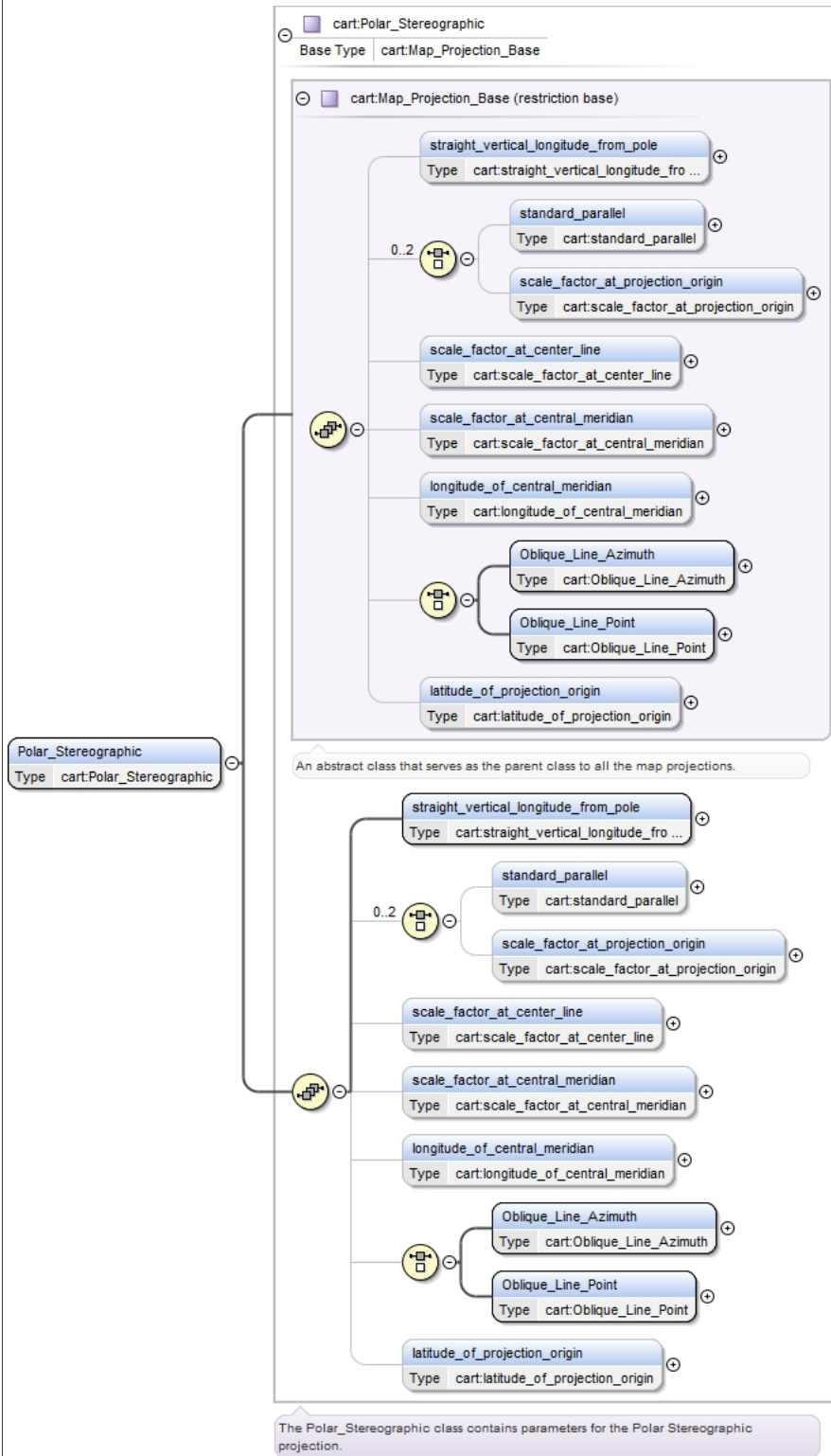
Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram	
Type	cart:Planar_Coordinate_Information
Properties	content: complex
Model	cart:planar_coordinate_encoding_method , (cart:Coordinate_Representation cart:Distance_and_Bearing_Representation)
Children	cart:Coordinate_Representation, cart:Distance_and_Bearing_Representation, cart:planar_coordinate_encoding_method
Instance	<pre><cart:Planar_Coordinate_Information xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:planar_coordinate_encoding_method>{1,1}</cart:planar_coordinate_encoding_method> <cart:Coordinate_Representation>{1,1}</cart:Coordinate_Representation> <cart:Distance_and_Bearing_Representation>{1,1}</cart:Distance_and_Bearing_Representation> </cart:Planar_Coordinate_Information></pre>
Source	<pre><xs:element name="Planar_Coordinate_Information" type="cart:Planar_Coordinate_Information"> </xs:element></pre>

Element cart:Polar_Stereographic

Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram



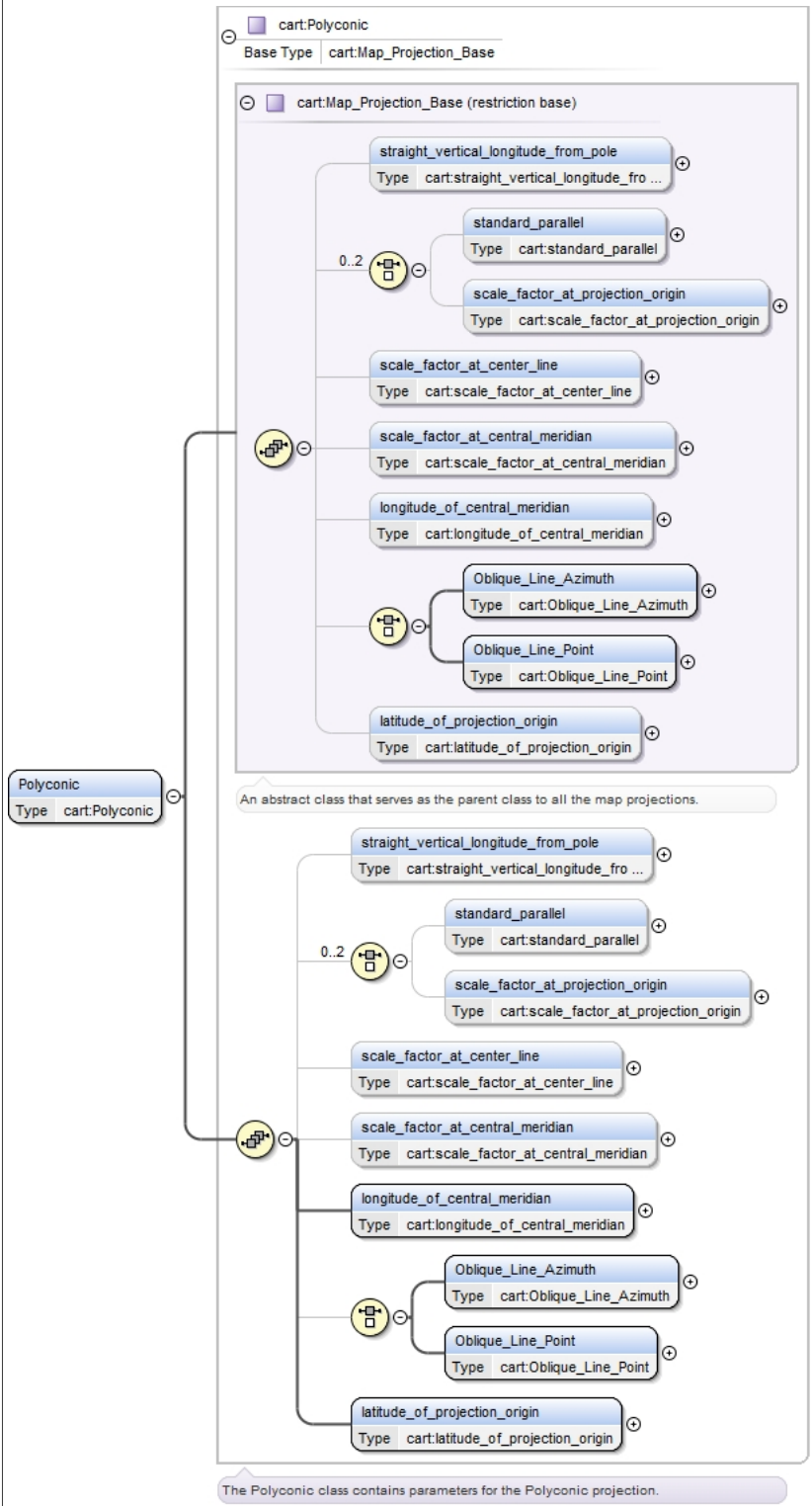
Type	<code>cart:Polar_Stereographic</code>
Type hierarchy	<ul style="list-style-type: none"> <code>cart:Map_Projection_Base</code> <code>cart:Polar_Stereographic</code>
Properties	content: complex
Model	<code>cart:straight_vertical_longitude_from_pole</code> , (<code>cart:standard_parallel</code> {0,1} <code>cart:scale_factor_at_projection_origin</code> {0,1}) , <code>cart:scale_factor_at_center_line</code> {0,1} , <code>cart:scale_factor_at_central_meridian</code> {0,1} , <code>cart:longitude_of_central_meridian</code> {0,1} , (<code>cart:Oblique_Line_Azimuth</code> <code>cart:Oblique_Line_Point</code>) , <code>cart:latitude_of_projection_origin</code> {0,1}

Children	cart:Oblique_Line_Azimuth, cart:Oblique_Line_Point, cart:latitude_of_projection_origin, cart:longitude_of_central_meridian, cart:scale_factor_at_center_line, cart:scale_factor_at_central_meridian, cart:scale_factor_at_projection_origin, cart:standard_parallel, cart:straight_vertical_longitude_from_pole
Instance	<pre><cart:Polar_Stereographic xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:straight_vertical_longitude_from_pole unit="">{1,1}</ cart:straight_vertical_longitude_from_pole> <cart:standard_parallel unit="">{0,1}</cart:standard_parallel> <cart:scale_factor_at_projection_origin>{0,1}</cart:scale_factor_at_projection_origin> <cart:scale_factor_at_center_line>{0,1}</cart:scale_factor_at_center_line> <cart:scale_factor_at_central_meridian>{0,1}</cart:scale_factor_at_central_meridian> <cart:longitude_of_central_meridian unit="">{0,1}</cart:longitude_of_central_meridian> <cart:Oblique_Line_Azimuth>{1,1}</cart:Oblique_Line_Azimuth> <cart:Oblique_Line_Point>{1,1}</cart:Oblique_Line_Point> <cart:latitude_of_projection_origin unit="">{0,1}</cart:latitude_of_projection_origin> </cart:Polar_Stereographic></pre>
Source	<pre><xs:element name="Polar_Stereographic" type="cart:Polar_Stereographic"> </xs:element></pre>

Element cart:Polyconic

Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram



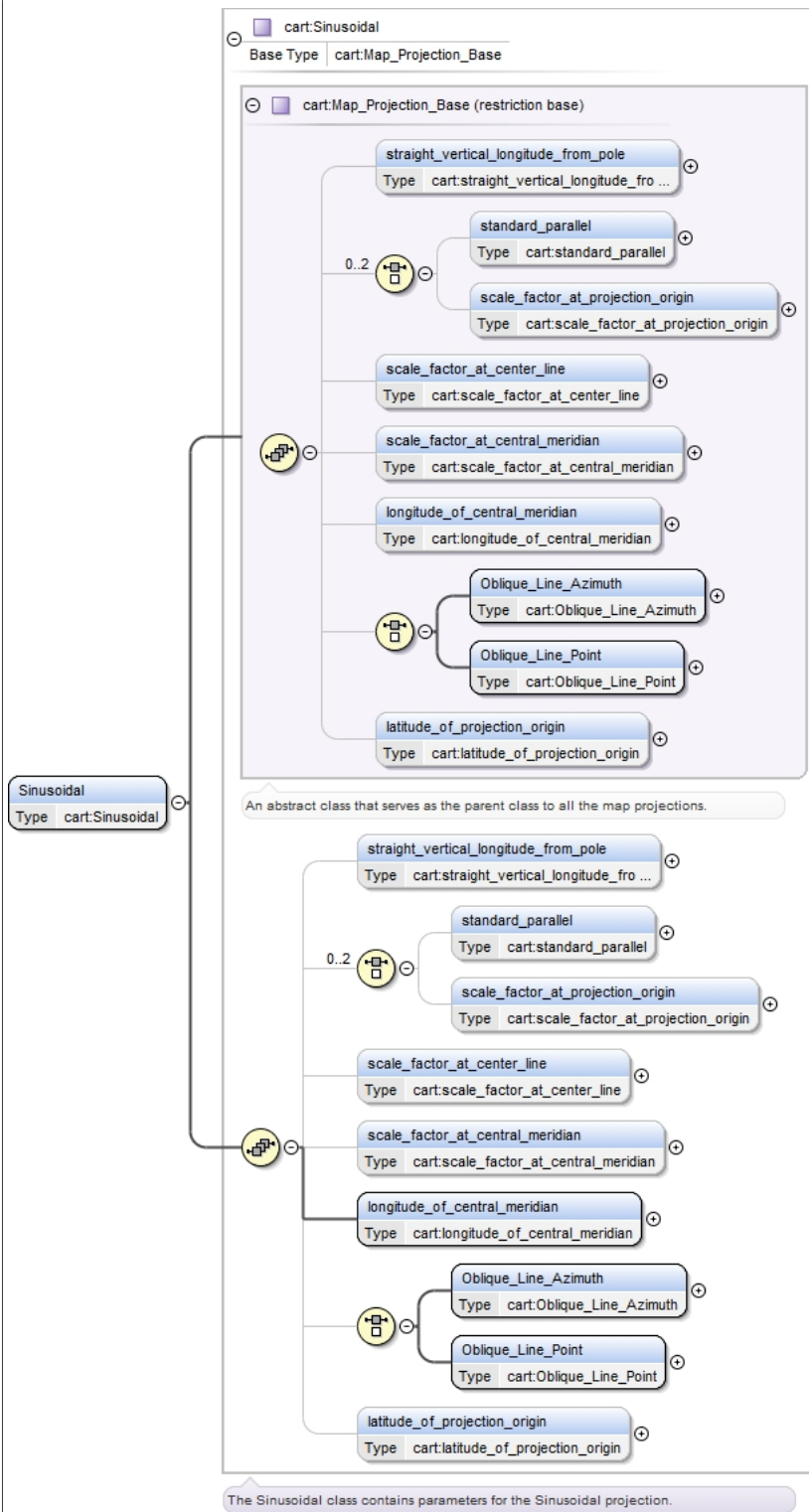
Type	cart:Polyconic
Type hierarchy	<ul style="list-style-type: none"> • cart:Map_Projection_Base • cart:Polyconic
Properties	content: complex
Model	cart:straight_vertical_longitude_from_pole{0,1} , (cart:standard_parallel{0,1} cart:scale_factor_at_projection_origin{0,1}) , cart:scale_factor_at_center_line{0,1} , cart:scale_factor_at_central_meridian{0,1} , cart:longitude_of_central_meridian , (cart:Oblique_Line_Azimuth cart:Oblique_Line_Point) , cart:latitude_of_projection_origin

Children	cart:Oblique_Line_Azimuth, cart:Oblique_Line_Point, cart:latitude_of_projection_origin, cart:longitude_of_central_meridian, cart:scale_factor_at_center_line, cart:scale_factor_at_central_meridian, cart:scale_factor_at_projection_origin, cart:standard_parallel, cart:straight_vertical_longitude_from_pole
Instance	<pre><cart:Polyconic xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:straight_vertical_longitude_from_pole unit="">{0,1}</ cart:straight_vertical_longitude_from_pole> <cart:standard_parallel unit="">{0,1}</cart:standard_parallel> <cart:scale_factor_at_projection_origin>{0,1}</cart:scale_factor_at_projection_origin> <cart:scale_factor_at_center_line>{0,1}</cart:scale_factor_at_center_line> <cart:scale_factor_at_central_meridian>{0,1}</cart:scale_factor_at_central_meridian> <cart:longitude_of_central_meridian unit="">{1,1}</cart:longitude_of_central_meridian> <cart:Oblique_Line_Azimuth>{1,1}</cart:Oblique_Line_Azimuth> <cart:Oblique_Line_Point>{1,1}</cart:Oblique_Line_Point> <cart:latitude_of_projection_origin unit="">{1,1}</cart:latitude_of_projection_origin> </cart:Polyconic></pre>
Source	<pre><xs:element name="Polyconic" type="cart:Polyconic"> </xs:element></pre>

Element cart:Sinusoidal

Namespace	http://pds.nasa.gov/pds4/cart/v1
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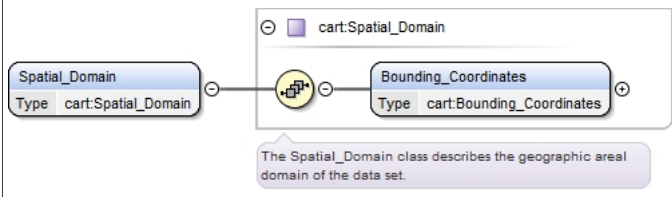
Diagram



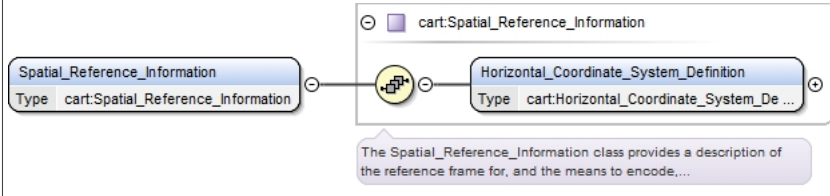
Type	cart:Sinusoidal
Type hierarchy	<ul style="list-style-type: none"> • cart:Map_Projection_Base • cart:Sinusoidal
Properties	content: complex
Model	cart:straight_vertical_longitude_from_pole{0,1} , (cart:standard_parallel{0,1} cart:scale_factor_at_projection_origin{0,1}) , cart:scale_factor_at_center_line{0,1} , cart:scale_factor_at_central_meridian{0,1} , cart:longitude_of_central_meridian , (cart:Oblique_Line_Azimuth cart:Oblique_Line_Point) , cart:latitude_of_projection_origin{0,1}

Children	cart:Oblique_Line_Azimuth, cart:Oblique_Line_Point, cart:latitude_of_projection_origin, cart:longitude_of_central_meridian, cart:scale_factor_at_center_line, cart:scale_factor_at_central_meridian, cart:scale_factor_at_projection_origin, cart:standard_parallel, cart:straight_vertical_longitude_from_pole
Instance	<pre><cart:Sinusoidal xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:straight_vertical_longitude_from_pole unit="">{0,1}</ cart:straight_vertical_longitude_from_pole> <cart:standard_parallel unit="">{0,1}</cart:standard_parallel> <cart:scale_factor_at_projection_origin>{0,1}</cart:scale_factor_at_projection_origin> <cart:scale_factor_at_center_line>{0,1}</cart:scale_factor_at_center_line> <cart:scale_factor_at_central_meridian>{0,1}</cart:scale_factor_at_central_meridian> <cart:longitude_of_central_meridian unit="">{1,1}</cart:longitude_of_central_meridian> <cart:Oblique_Line_Azimuth>{1,1}</cart:Oblique_Line_Azimuth> <cart:Oblique_Line_Point>{1,1}</cart:Oblique_Line_Point> <cart:latitude_of_projection_origin unit="">{0,1}</cart:latitude_of_projection_origin> </cart:Sinusoidal></pre>
Source	<pre><xs:element name="Sinusoidal" type="cart:Sinusoidal"> </xs:element></pre>

Element cart:Spatial_Domain

Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	cart:Spatial_Domain
Properties	content: complex
Model	cart:Bounding_Coordinates
Children	cart:Bounding_Coordinates
Instance	<pre><cart:Spatial_Domain xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:Bounding_Coordinates>{1,1}</cart:Bounding_Coordinates> </cart:Spatial_Domain></pre>
Source	<pre><xs:element name="Spatial_Domain" type="cart:Spatial_Domain"> </xs:element></pre>

Element cart:Spatial_Reference_Information

Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	cart:Spatial_Reference_Information
Properties	content: complex
Model	cart:Horizontal_Coordinate_System_Definition
Children	cart:Horizontal_Coordinate_System_Definition
Instance	<pre><cart:Spatial_Reference_Information xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:Horizontal_Coordinate_System_Definition>{1,1}</cart:Horizontal_Coordinate_System_Definition> </cart:Spatial_Reference_Information></pre>
Source	<pre><xs:element name="Spatial_Reference_Information" type="cart:Spatial_Reference_Information"> </xs:element></pre>

Element cart:State_Plane_Coordinate_System

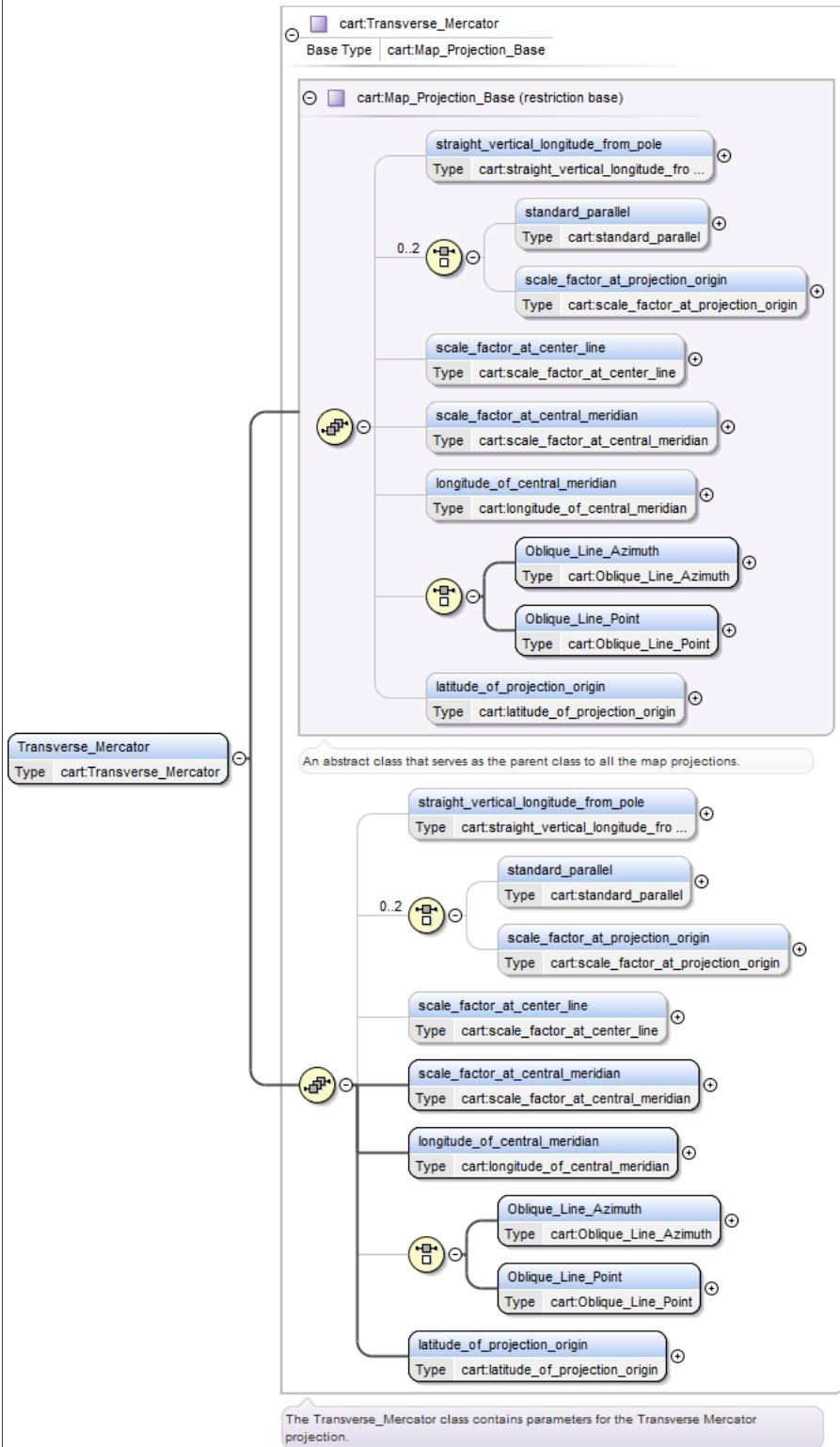
Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram	
Type	cart:State_Plane_Coordinate_System
Properties	content: complex
Model	cart:spcs_zone_identifier , (cart:Lambert_Conformal_Conic cart:Oblique_Mercator cart:Polyconic cart:Transverse_Mercator)
Children	cart:Lambert_Conformal_Conic, cart:Oblique_Mercator, cart:Polyconic, cart:Transverse_Mercator, cart:spcs_zone_identifier
Instance	<pre><cart:State_Plane_Coordinate_System xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:spcs_zone_identifier>{1,1}</cart:spcs_zone_identifier> <cart:Lambert_Conformal_Conic>{1,1}</cart:Lambert_Conformal_Conic> <cart:Oblique_Mercator>{1,1}</cart:Oblique_Mercator> <cart:Polyconic>{1,1}</cart:Polyconic> <cart:Transverse_Mercator>{1,1}</cart:Transverse_Mercator> </cart:State_Plane_Coordinate_System></pre>
Source	<pre><xs:element name="State_Plane_Coordinate_System" type="cart:State_Plane_Coordinate_System"> </xs:element></pre>

Element cart:Transverse_Mercator

Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram



Type	<code>cart:Transverse_Mercator</code>
Type hierarchy	<ul style="list-style-type: none"> <code>cart:Map_Projection_Base</code> <code>cart:Transverse_Mercator</code>
Properties	content: complex
Model	<code>cart:straight_vertical_longitude_from_pole{0,1}</code> , <code>(cart:standard_parallel{0,1} cart:scale_factor_at_projection_origin{0,1})</code> , <code>cart:scale_factor_at_center_line{0,1}</code> , <code>cart:scale_factor_at_central_meridian</code> , <code>cart:longitude_of_central_meridian</code> , <code>(cart:Oblique_Line_Azimuth cart:Oblique_Line_Point)</code> , <code>cart:latitude_of_projection_origin</code>

Children	cart:Oblique_Line_Azimuth, cart:Oblique_Line_Point, cart:latitude_of_projection_origin, cart:longitude_of_central_meridian, cart:scale_factor_at_center_line, cart:scale_factor_at_central_meridian, cart:scale_factor_at_projection_origin, cart:standard_parallel, cart:straight_vertical_longitude_from_pole
Instance	<pre><cart:Transverse_Mercator xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:straight_vertical_longitude_from_pole unit="">{0,1}</cart:straight_vertical_longitude_from_pole> <cart:standard_parallel unit="">{0,1}</cart:standard_parallel> <cart:scale_factor_at_projection_origin>{0,1}</cart:scale_factor_at_projection_origin> <cart:scale_factor_at_center_line>{0,1}</cart:scale_factor_at_center_line> <cart:scale_factor_at_central_meridian>{1,1}</cart:scale_factor_at_central_meridian> <cart:longitude_of_central_meridian unit="">{1,1}</cart:longitude_of_central_meridian> <cart:Oblique_Line_Azimuth>{1,1}</cart:Oblique_Line_Azimuth> <cart:Oblique_Line_Point>{1,1}</cart:Oblique_Line_Point> <cart:latitude_of_projection_origin unit="">{1,1}</cart:latitude_of_projection_origin> </cart:Transverse_Mercator></pre>
Source	<pre><xs:element name="Transverse_Mercator" type="cart:Transverse_Mercator"> </xs:element></pre>

Element cart:Universal_Polar_Stereographic

Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	<pre>classDiagram class Universal_Polar_Stereographic { Type cart:Universal_Polar_Stereographic } class ups_zone_identifier { Type cart:ups_zone_identifier } class Polar_Stereographic { Type cart:Polar_Stereographic } Universal_Polar_Stereographic --> ups_zone_identifier Universal_Polar_Stereographic --> Polar_Stereographic</pre> <p>The Universal_Polar_Stereographic class defines a grid system based on the polar stereographic projection, applied to...</p>
Type	cart:Universal_Polar_Stereographic
Properties	content: complex
Model	cart:ups_zone_identifier, cart:Polar_Stereographic
Children	cart:Polar_Stereographic, cart:ups_zone_identifier
Instance	<pre><cart:Universal_Polar_Stereographic xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:ups_zone_identifier>{1,1}</cart:ups_zone_identifier> <cart:Polar_Stereographic>{1,1}</cart:Polar_Stereographic> </cart:Universal_Polar_Stereographic></pre>
Source	<pre><xs:element name="Universal_Polar_Stereographic" type="cart:Universal_Polar_Stereographic"> </xs:element></pre>

Element cart:Universal_Transverse_Mercator

Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	<pre>classDiagram class Universal_Transverse_Mercator { Type cart:Universal_Transverse_Mercator } class utm_zone_number { Type cart:utm_zone_number } class Transverse_Mercator { Type cart:Transverse_Mercator } Universal_Transverse_Mercator --> utm_zone_number Universal_Transverse_Mercator --> Transverse_Mercator</pre> <p>The Universal_Transverse_Mercator class defines a grid system based on the transverse mercator projection, applied...</p>
Type	cart:Universal_Transverse_Mercator
Properties	content: complex
Model	cart:utm_zone_number, cart:Transverse_Mercator
Children	cart:Transverse_Mercator, cart:utm_zone_number
Instance	<pre><cart:Universal_Transverse_Mercator xmlns:cart="http://pds.nasa.gov/pds4/cart/v1"> <cart:utm_zone_number>{1,1}</cart:utm_zone_number> <cart:Transverse_Mercator>{1,1}</cart:Transverse_Mercator> </cart:Universal_Transverse_Mercator></pre>
Source	<pre><xs:element name="Universal_Transverse_Mercator" type="cart:Universal_Transverse_Mercator"> </xs:element></pre>

</xs:element>

Complex Type(s)

Complex Type cart:Bounding_Coordinates

Namespace	http://pds.nasa.gov/pds4/cart/v1
Annotations	The Bounding_Coordinates class defines the limits of coverage of a set of data expressed by latitude and longitude values in the order western-most, eastern-most, northern-most, and southern-most.
Diagram	
Used by	Elements cart:Bounding_Coordinates, cart:Spatial_Domain/cart:Bounding_Coordinates
Model	cart:west_bounding_coordinate , cart:east_bounding_coordinate , cart:north_bounding_coordinate , cart:south_bounding_coordinate
Children	cart:east_bounding_coordinate, cart:north_bounding_coordinate, cart:south_bounding_coordinate, cart:west_bounding_coordinate
Source	<pre><xs:complexType name="Bounding_Coordinates"> <xs:annotation> <xs:documentation>The Bounding_Coordinates class defines the limits of coverage of a set of data expressed by latitude and longitude values in the order western-most, eastern-most, northern-most, and southern-most.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="west_bounding_coordinate" type="cart:west_bounding_coordinate" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="east_bounding_coordinate" type="cart:east_bounding_coordinate" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="north_bounding_coordinate" type="cart:north_bounding_coordinate" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="south_bounding_coordinate" type="cart:south_bounding_coordinate" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType></pre>

Complex Type cart:west_bounding_coordinate

Namespace	http://pds.nasa.gov/pds4/cart/v1
Annotations	The west_bounding_coordinate attribute provides the western-most coordinate of the limit of coverage expressed in longitude.
Diagram	
Type	extension of cart:west_bounding_coordinate_WO_Units
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:west_bounding_coordinate_WO_Units <ul style="list-style-type: none"> • cart:west_bounding_coordinate
Used by	Element cart:Bounding_Coordinates/cart:west_bounding_coordinate

Attributes	QName	Type	Use	
	unit	pds:Units_of_Angle	required	

Source	<pre><xs:complexType name="west_bounding_coordinate"> <xs:annotation> <xs:documentation>The west_bounding_coordinate attribute provides the western-most coordinate of the limit of coverage expressed in longitude.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="cart:west_bounding_coordinate_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/> </xs:extension> </xs:simpleContent> </xs:complexType></pre>
--------	---

Complex Type cart: east_bounding_coordinate

Namespace	http://pds.nasa.gov/pds4/cart/v1			
Annotations	The east_bounding_coordinate attribute provides the eastern-most coordinate of the limit of coverage expressed in longitude.			
Diagram				
Type	extension of cart: east_bounding_coordinate_WO_Units			
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • cart: east_bounding_coordinate_WO_Units • cart: east_bounding_coordinate 			
Used by	Element	cart: Bounding_Coordinates/cart: east_bounding_coordinate		
Attributes	QName	Type	Use	
	unit	pds:Units_of_Angle	required	
Source	<pre><xs:complexType name="east_bounding_coordinate"> <xs:annotation> <xs:documentation>The east_bounding_coordinate attribute provides the eastern-most coordinate of the limit of coverage expressed in longitude.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension bases="cart: east_bounding_coordinate_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/> </xs:extension> </xs:simpleContent> </xs:complexType></pre>			

Complex Type cart: north_bounding_coordinate

Namespace	http://pds.nasa.gov/pds4/cart/v1			
Annotations	The north_bounding_coordinate attribute provides the northern-most coordinate of the limit of coverage expressed in latitude.			
Diagram				
Type	extension of cart: north_bounding_coordinate_WO_Units			
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • cart: north_bounding_coordinate_WO_Units 			

	<ul style="list-style-type: none"> • cart:north_bounding_coordinate 			
Used by	Element	cart:Bounding_Coordinates/cart:north_bounding_coordinate		
Attributes	QName	Type	Use	
	unit	pds:Units_of_Angle	required	
Source	<pre><xs:complexType name="north_bounding_coordinate"> <xs:annotation> <xs:documentation>The north_bounding_coordinate attribute provides the northern-most coordinate of the limit of coverage expressed in latitude.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="cart:north_bounding_coordinate_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/> </xs:extension> </xs:simpleContent> </xs:complexType></pre>			

Complex Type cart:south_bounding_coordinate

Namespace	http://pds.nasa.gov/pds4/cart/v1			
Annotations	The south_bounding_coordinate attribute provides the southern-most coordinate of the limit of coverage expressed in latitude.			
Diagram				
Type	extension of cart:south_bounding_coordinate_WO_Units			
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • cart:south_bounding_coordinate_WO_Units • cart:south_bounding_coordinate 			
Used by	Element	cart:Bounding_Coordinates/cart:south_bounding_coordinate		
Attributes	QName	Type	Use	
	unit	pds:Units_of_Angle	required	
Source	<pre><xs:complexType name="south_bounding_coordinate"> <xs:annotation> <xs:documentation>The south_bounding_coordinate attribute provides the southern-most coordinate of the limit of coverage expressed in latitude.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="cart:south_bounding_coordinate_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/> </xs:extension> </xs:simpleContent> </xs:complexType></pre>			

Complex Type cart:Cartography

Namespace	http://pds.nasa.gov/pds4/cart/v1			
Annotations	The Cartography class provides a description of how a 3D sphere, spheroid, or elliptical spheroid or the celestial sphere is mapped onto a plane.			
Diagram				

Used by	Element cart:Cartography
Model	cart:Spatial_Domain , cart:Spatial_Reference_Information
Children	cart:Spatial_Domain, cart:Spatial_Reference_Information
Source	<pre><xs:complexType name="Cartography"> <xs:annotation> <xs:documentation>The Cartography class provides a description of how a 3D sphere, spheroid, or elliptical spheroid or the celestial sphere is mapped onto a plane.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="Spatial_Domain" type="cart:Spatial_Domain" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="Spatial_Reference_Information" type="cart:Spatial_Reference_Information" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType></pre>

Complex Type cart:Spatial_Domain

Namespace	http://pds.nasa.gov/pds4/cart/v1
Annotations	The Spatial_Domain class describes the geographic areal domain of the data set.
Diagram	<pre>classDiagram class Spatial_Domain class Bounding_Coordinates { Type cart:Bounding_Coordinates } Spatial_Domain --> Bounding_Coordinates</pre>
Used by	Elements cart:Cartography/cart:Spatial_Domain, cart:Spatial_Domain
Model	cart:Bounding_Coordinates
Children	cart:Bounding_Coordinates
Source	<pre><xs:complexType name="Spatial_Domain"> <xs:annotation> <xs:documentation>The Spatial_Domain class describes the geographic areal domain of the data set.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="Bounding_Coordinates" type="cart:Bounding_Coordinates" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType></pre>

Complex Type cart:Spatial_Reference_Information

Namespace	http://pds.nasa.gov/pds4/cart/v1
Annotations	The Spatial_Reference_Information class provides a description of the reference frame for, and the means to encode, coordinates in a data set.
Diagram	<pre>classDiagram class Spatial_Reference_Information class Horizontal_Coordinate_System_Definition { Type cart:Horizontal_Coordinate_System_De ... } Spatial_Reference_Information --> Horizontal_Coordinate_System_Definition</pre>
Used by	Elements cart:Cartography/cart:Spatial_Reference_Information, cart:Spatial_Reference_Information
Model	cart:Horizontal_Coordinate_System_Definition
Children	cart:Horizontal_Coordinate_System_Definition
Source	<pre><xs:complexType name="Spatial_Reference_Information"> <xs:annotation> <xs:documentation>The Spatial_Reference_Information class provides a description of the reference frame for, and the means to encode, coordinates in a data set.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="Horizontal_Coordinate_System_Definition" type="cart:Horizontal_Coordinate_System_Definition" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType></pre>

</xs:complexType>

Complex Type cart:Horizontal_Coordinate_System_Definition

Namespace	http://pds.nasa.gov/pds4/cart/v1
Annotations	The Horizontal_Coordinate_System_Definition class provides the reference frame or system from which linear or angular quantities are measured and assigned to the position that a point occupies.
Diagram	
Used by	Elements cart:Horizontal_Coordinate_System_Definition, cart:Spatial_Reference_Information/ cart:Horizontal_Coordinate_System_Definition
Model	(cart:Geographic cart:Local cart:Planar) , cart:Geodetic_Model{0,1}
Children	cart:Geodetic_Model, cart:Geographic, cart:Local, cart:Planar
Source	<pre><xs:complexType name="Horizontal_Coordinate_System_Definition"> <xs:annotation> <xs:documentation>The Horizontal_Coordinate_System_Definition class provides the reference frame or system from which linear or angular quantities are measured and assigned to the position that a point occupies.</xs:documentation> </xs:annotation> <xs:sequence> <xs:choice minOccurs="1" maxOccurs="1"> <xs:element name="Geographic" type="cart:Geographic"> </xs:element> <xs:element name="Local" type="cart:Local"> </xs:element> <xs:element name="Planar" type="cart:Planar"> </xs:element> </xs:choice> <xs:element name="Geodetic_Model" type="cart:Geodetic_Model" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType></pre>

Complex Type cart:Geographic

Namespace	http://pds.nasa.gov/pds4/cart/v1
Annotations	The Geographic class provides information about the quantities of latitude and longitude which define the position of a point on a planetary body's surface with respect to a reference spheroid.
Diagram	
Used by	Elements cart:Geographic, cart:Horizontal_Coordinate_System_Definition/cart:Geographic
Model	cart:latitude_resolution , cart:longitude_resolution
Children	cart:latitude_resolution, cart:longitude_resolution
Source	<pre><xs:complexType name="Geographic"> <xs:annotation> <xs:documentation>The Geographic class provides information about the quantities of latitude and longitude which define the position of a point on a planetary body's surface with respect to a reference spheroid.</xs:documentation> </xs:annotation> <xs:sequence> <xs:choice minOccurs="1" maxOccurs="1"> <xs:element name="latitude_resolution" type="cart:latitude_resolution"> </xs:element> <xs:element name="longitude_resolution" type="cart:longitude_resolution"> </xs:element> </xs:choice> </xs:sequence> </xs:complexType></pre>

```

<xs:sequence>
  <xs:element name="latitude_resolution" type="cart:latitude_resolution" minOccurs="1"
maxOccurs="1">
  </xs:element>
  <xs:element name="longitude_resolution" type="cart:longitude_resolution" minOccurs="1"
maxOccurs="1">
  </xs:element>
</xs:sequence>
</xs:complexType>

```

Complex Type cart:latitude_resolution

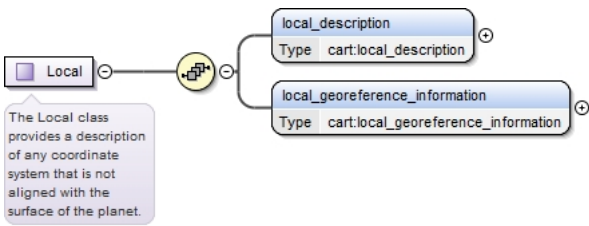
Namespace	http://pds.nasa.gov/pds4/cart/v1								
Annotations	The latitude_resolution attribute indicates the minimum difference between two adjacent latitude values expressed in angular units of measure.								
Diagram									
Type	extension of cart:latitude_resolution_WO_Units								
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • cart:latitude_resolution_WO_Units • cart:latitude_resolution 								
Used by	Element	cart:Geographic/cart:latitude_resolution							
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Angle</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Angle	required		
QName	Type	Use							
unit	pds:Units_of_Angle	required							
Source	<pre> <xs:complexType name="latitude_resolution"> <xs:annotation> <xs:documentation>The latitude_resolution attribute indicates the minimum difference between two adjacent latitude values expressed in angular units of measure.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="cart:latitude_resolution_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>								

Complex Type cart:longitude_resolution

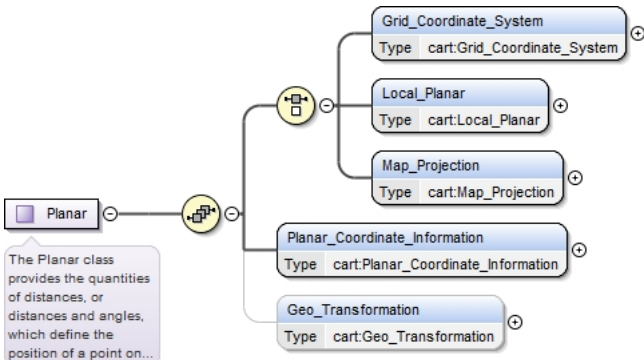
Namespace	http://pds.nasa.gov/pds4/cart/v1		
Annotations	The longitude_resolution attribute indicates the minimum difference between two adjacent longitude values expressed in angular units of measure.		
Diagram			
Type	extension of cart:longitude_resolution_WO_Units		
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • cart:longitude_resolution_WO_Units • cart:longitude_resolution 		

Used by	Element cart:Geographic/cart:longitude_resolution		
Attributes	QName	Type	Use
	unit	pds:Units_of_Angle	required
Source	<pre><xs:complexType name="longitude_resolution"> <xs:annotation> <xs:documentation>The longitude_resolution attribute indicates the minimum difference between two adjacent longitude values expressed in angular units of measure.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="cart:longitude_resolution_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/> </xs:extension> </xs:simpleContent> </xs:complexType></pre>		

Complex Type cart:Local

Namespace	http://pds.nasa.gov/pds4/cart/v1
Annotations	The Local class provides a description of any coordinate system that is not aligned with the surface of the planet.
Diagram	
Used by	Elements cart:Horizontal_Coordinate_System_Definition/cart:Local, cart:Local
Model	cart:local_description , cart:local_georeference_information
Children	cart:local_description, cart:local_georeference_information
Source	<pre><xs:complexType name="Local"> <xs:annotation> <xs:documentation>The Local class provides a description of any coordinate system that is not aligned with the surface of the planet.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="local_description" type="cart:local_description" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="local_georeference_information" type="cart:local_georeference_information" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType></pre>

Complex Type cart:Planar

Namespace	http://pds.nasa.gov/pds4/cart/v1
Annotations	The Planar class provides the quantities of distances, or distances and angles, which define the position of a point on a reference plane to which the surface of a planet has been projected.
Diagram	

Used by	Elements cart:Horizontal_Coordinate_System_Definition/cart:Planar, cart:Planar
Model	(cart:Grid_Coordinate_System cart:Local_Planar cart:Map_Projection) , cart:Planar_Coordinate_Information , cart:Geo_Transformation{0,1}
Children	cart:Geo_Transformation, cart:Grid_Coordinate_System, cart:Local_Planar, cart:Map_Projection, cart:Planar_Coordinate_Information
Source	<pre> <xs:complexType name="Planar"> <xs:annotation> <xs:documentation>The Planar class provides the quantities of distances, or distances and angles, which define the position of a point on a reference plane to which the surface of a planet has been projected.</xs:documentation> </xs:annotation> <xs:sequence> <xs:choice minOccurs="1" maxOccurs="1"> <xs:element name="Grid_Coordinate_System" type="cart:Grid_Coordinate_System"> </xs:element> <xs:element name="Local_Planar" type="cart:Local_Planar"> </xs:element> <xs:element name="Map_Projection" type="cart:Map_Projection"> </xs:element> </xs:choice> <xs:element name="Planar_Coordinate_Information" type="cart:Planar_Coordinate_Information" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="Geo_Transformation" type="cart:Geo_Transformation" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type cart:Grid_Coordinate_System

Namespace	http://pds.nasa.gov/pds4/cart/v1
Annotations	The Grid_Coordinate_System class defines a plane-rectangular coordinate system usually based on, and mathematically adjusted to, a map projection so that geographic positions can be readily transformed to and from plane coordinates.
Diagram	
Used by	Elements cart:Grid_Coordinate_System, cart:Planar/cart:Grid_Coordinate_System
Model	cart:grid_coordinate_system_name , cart:Universal_Transverse_Mercator{0,1} , cart:Universal_Polar_Stereographic{0,1} , cart:State_Plane_Coordinate_System{0,1}
Children	cart:State_Plane_Coordinate_System, cart:Universal_Polar_Stereographic, cart:Universal_Transverse_Mercator, cart:grid_coordinate_system_name
Source	<pre> <xs:complexType name="Grid_Coordinate_System"> <xs:annotation> <xs:documentation>The Grid_Coordinate_System class defines a plane-rectangular coordinate system usually based on, and mathematically adjusted to, a map projection so that geographic positions can be readily transformed to and from plane coordinates.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="grid_coordinate_system_name" type="cart:grid_coordinate_system_name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="Universal_Transverse_Mercator" type="cart:Universal_Transverse_Mercator" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Universal_Polar_Stereographic" type="cart:Universal_Polar_Stereographic" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="State_Plane_Coordinate_System" type="cart:State_Plane_Coordinate_System" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

```

</xs:sequence>
<!-- Begin assert statements for schematron - Enumerated Values -->
<!-- <xs:assert test="cart:grid_coordinate_system_name = ('ARC Coordinate System', 'Other Grid
System', 'State Plane Coordinate System 1927', 'State Plane Coordinate System 1983', 'Universal
Polar Stereographic', 'Universal Transverse Mercator')"/> -->
<!-- End assert statements for schematron - Enumerated Values -->
</xs:complexType>
    
```

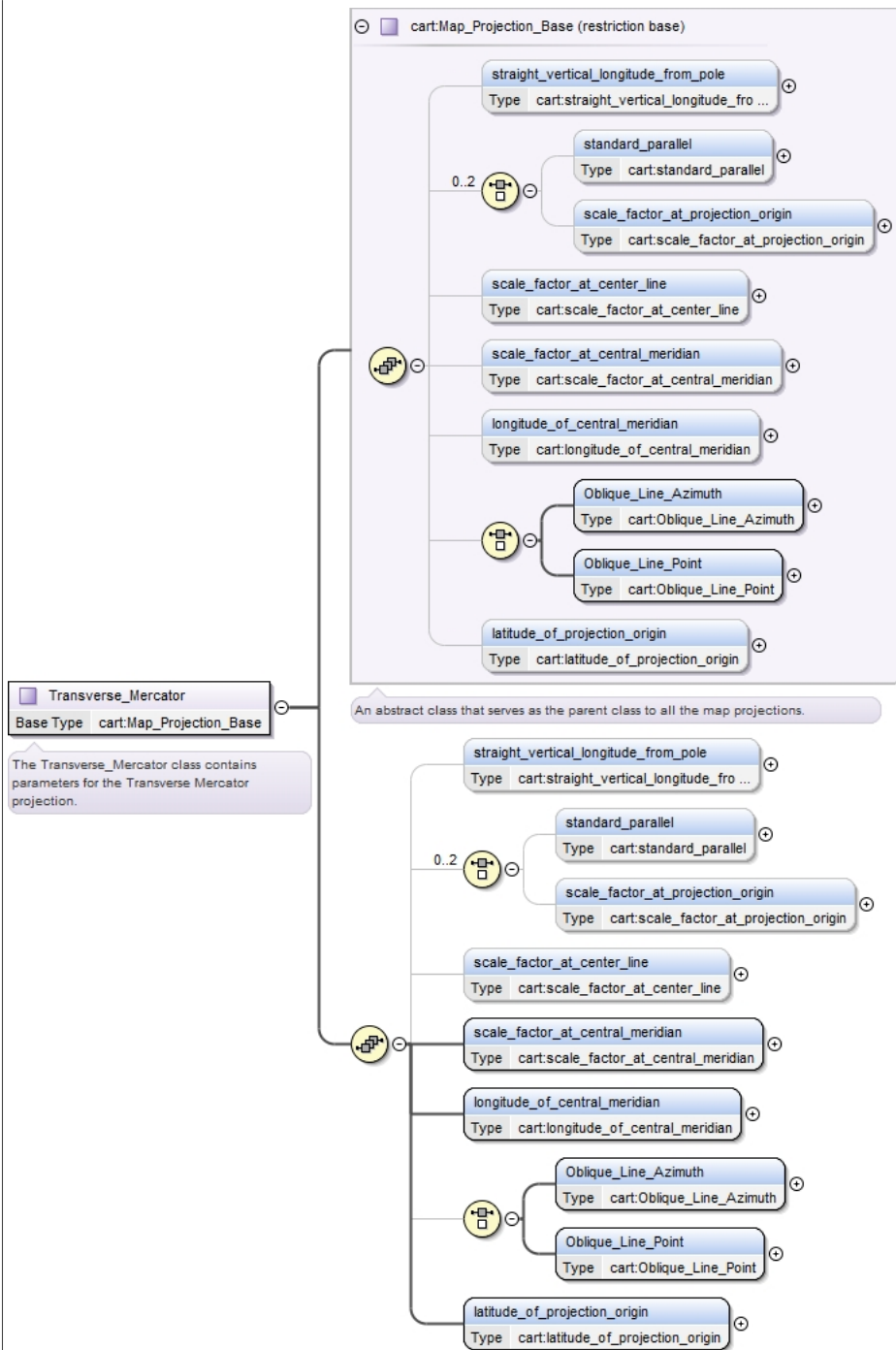
Complex Type cart:Universal_Transverse_Mercator

Namespace	http://pds.nasa.gov/pds4/cart/v1
Annotations	The Universal_Transverse_Mercator class defines a grid system based on the transverse mercator projection, applied between latitudes 84 degrees north and 80 degrees south on the planet's surface.
Diagram	
Used by	Elements cart:Grid_Coordinate_System/cart:Universal_Transverse_Mercator, cart:Universal_Transverse_Mercator
Model	cart:utm_zone_number , cart:Transverse_Mercator
Children	cart:Transverse_Mercator, cart:utm_zone_number
Source	<pre> <xs:complexType name="Universal_Transverse_Mercator"> <xs:annotation> <xs:documentation>The Universal_Transverse_Mercator class defines a grid system based on the transverse mercator projection, applied between latitudes 84 degrees north and 80 degrees south on the planet's surface.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="utm_zone_number" type="cart:utm_zone_number" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="Transverse_Mercator" type="cart:Transverse_Mercator" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type cart:Transverse_Mercator

Namespace	http://pds.nasa.gov/pds4/cart/v1
Annotations	The Transverse_Mercator class contains parameters for the Transverse Mercator projection.

Diagram



Type restriction of `cart:Map_Projection_Base`

- Type hierarchy
- `cart:Map_Projection_Base`
 - `cart:Transverse_Mercator`

Used by Elements `cart:Map_Projection/cart:Transverse_Mercator`, `cart:State_Plane_Coordinate_System/cart:Transverse_Mercator`, `cart:Transverse_Mercator`, `cart:Universal_Transverse_Mercator/cart:Transverse_Mercator`

Model `cart:straight_vertical_longitude_from_pole{0,1}` , `(cart:standard_parallel{0,1} | cart:scale_factor_at_projection_origin{0,1})` , `cart:scale_factor_at_center_line{0,1}` , `cart:scale_factor_at_central_meridian` , `cart:longitude_of_central_meridian` , `(cart:Oblique_Line_Azimuth | cart:Oblique_Line_Point)` , `cart:latitude_of_projection_origin`

Children `cart:Oblique_Line_Azimuth`, `cart:Oblique_Line_Point`, `cart:latitude_of_projection_origin`, `cart:longitude_of_central_meridian`, `cart:scale_factor_at_center_line`, `cart:scale_factor_at_central_meridian`, `cart:scale_factor_at_projection_origin`, `cart:standard_parallel`, `cart:straight_vertical_longitude_from_pole`

Source `<xsd:complexType name="Transverse_Mercator">`

```

<xs:annotation>
  <xs:documentation>The Transverse_Mercator class contains parameters for the Transverse Mercator
  projection.</xs:documentation>
</xs:annotation>
<xs:complexType base="cart:Map_Projection_Base">
  <xs:sequence>
    <xs:element name="straight_vertical_longitude_from_pole"
      type="cart:straight_vertical_longitude_from_pole" minOccurs="0" maxOccurs="1"/>
    <xs:choice minOccurs="0" maxOccurs="2">
      <xs:element name="standard_parallel" type="cart:standard_parallel" minOccurs="0"
        maxOccurs="1"/>
      <xs:element name="scale_factor_at_projection_origin"
        type="cart:scale_factor_at_projection_origin" minOccurs="0" maxOccurs="1"/>
    </xs:choice>
    <xs:element name="scale_factor_at_center_line" type="cart:scale_factor_at_center_line"
      minOccurs="0" maxOccurs="1"/>
    <xs:element name="scale_factor_at_central_meridian"
      type="cart:scale_factor_at_central_meridian" minOccurs="1" maxOccurs="1"/>
    <xs:element name="longitude_of_central_meridian" type="cart:longitude_of_central_meridian"
      minOccurs="1" maxOccurs="1"/>
    <xs:choice minOccurs="0" maxOccurs="1">
      <xs:element name="Oblique_Line_Azimuth" type="cart:Oblique_Line_Azimuth"/>
      <xs:element name="Oblique_Line_Point" type="cart:Oblique_Line_Point"/>
    </xs:choice>
    <xs:element name="latitude_of_projection_origin" type="cart:latitude_of_projection_origin"
      minOccurs="1" maxOccurs="1"/>
  </xs:sequence>
</xs:complexType>
  
```

Complex Type cart:Map_Projection_Base

Namespace	http://pds.nasa.gov/pds4/cart/v1
Annotations	An abstract class that serves as the parent class to all the map projections.
Diagram	
Used by	<p>Complex Types: cart:Equirectangular, cart:Lambert_Conformal_Conic, cart:Oblique_Mercator, cart:Polar_Stereographic, cart:Polyconic, cart:Sinusoidal, cart:Transverse_Mercator</p> <p>Element: cart:Map_Projection_Base</p>

Model	cart:straight_vertical_longitude_from_pole{0,1} , (cart:standard_parallel{0,1} cart:scale_factor_at_projection_origin{0,1}) , cart:scale_factor_at_center_line{0,1} , cart:scale_factor_at_central_meridian{0,1} , cart:longitude_of_central_meridian{0,1} , (cart:Oblique_Line_Azimuth cart:Oblique_Line_Point) , cart:latitude_of_projection_origin{0,1}
Children	cart:Oblique_Line_Azimuth, cart:Oblique_Line_Point, cart:latitude_of_projection_origin, cart:longitude_of_central_meridian, cart:scale_factor_at_center_line, cart:scale_factor_at_central_meridian, cart:scale_factor_at_projection_origin, cart:standard_parallel, cart:straight_vertical_longitude_from_pole
Source	<pre> <xs:complexType name="Map_Projection_Base"> <xs:annotation> <xs:documentation>An abstract class that serves as the parent class to all the map projections.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="straight_vertical_longitude_from_pole" type="cart:straight_vertical_longitude_from_pole" minOccurs="0" maxOccurs="1"> </xs:element> <xs:choice minOccurs="0" maxOccurs="2"> <xs:element name="standard_parallel" type="cart:standard_parallel" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="scale_factor_at_projection_origin" type="cart:scale_factor_at_projection_origin" minOccurs="0" maxOccurs="1"> </xs:element> </xs:choice> <xs:element name="scale_factor_at_center_line" type="cart:scale_factor_at_center_line" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="scale_factor_at_central_meridian" type="cart:scale_factor_at_central_meridian" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="longitude_of_central_meridian" type="cart:longitude_of_central_meridian" minOccurs="0" maxOccurs="1"> </xs:element> <xs:choice minOccurs="0" maxOccurs="1"> <xs:element name="Oblique_Line_Azimuth" type="cart:Oblique_Line_Azimuth"> </xs:element> <xs:element name="Oblique_Line_Point" type="cart:Oblique_Line_Point"> </xs:element> </xs:choice> <xs:element name="latitude_of_projection_origin" type="cart:latitude_of_projection_origin" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type cart:straight_vertical_longitude_from_pole

Namespace	http://pds.nasa.gov/pds4/cart/v1
Annotations	The straight_vertical_longitude_from_pole attribute provides the longitude oriented straight up from the North or South Pole.
Diagram	<pre> classDiagram class straight_vertical_longitude_from_pole { Base Type cart:straight_vertical_longitude_fro ... } class straight_vertical_longitude_from_pole_WO_Units { Attributes unit pds:Units_of_Angle } straight_vertical_longitude_from_pole_WO_Units -- > straight_vertical_longitude_from_pole </pre>
Type	extension of cart:straight_vertical_longitude_from_pole_WO_Units
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real <ul style="list-style-type: none"> cart:straight_vertical_longitude_from_pole_WO_Units <ul style="list-style-type: none"> cart:straight_vertical_longitude_from_pole
Used by	<p>Elements</p> <p>cart:Equirectangular/cart:straight_vertical_longitude_from_pole, cart:Lambert_Conformal_Conic/cart:straight_vertical_longitude_from_pole, cart:Map_Projection_Base/cart:straight_vertical_longitude_from_pole, cart:Oblique_Mercator/cart:straight_vertical_longitude_from_pole, cart:Polar_Stereographic/cart:straight_vertical_longitude_from_pole, cart:Polyconic/cart:straight_vertical_longitude_from_pole, cart:Sinusoidal/cart:straight_vertical_longitude_from_pole, cart:Transverse_Mercator/cart:straight_vertical_longitude_from_pole</p>

Attributes	QName	Type	Use	
	unit	pds:Units_of_Angle	required	

Source

```
<xs:complexType name="straight_vertical_longitude_from_pole">
  <xs:annotation>
    <xs:documentation>The straight_vertical_longitude_from_pole attribute provides the longitude oriented straight up from the North or South Pole.</xs:documentation>
  </xs:annotation>
  <xs:simpleContent>
    <xs:extension base="cart:straight_vertical_longitude_from_pole_WO_Units">
      <xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

Complex Type cart:standard_parallel

Namespace	http://pds.nasa.gov/pds4/cart/v1			
Annotations	The standard_parallel attribute defines the line of constant latitude at which the surface of the planet and the plane or developable surface intersect.			
Diagram				
Type	extension of cart:standard_parallel_WO_Units			
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • cart:standard_parallel_WO_Units • cart:standard_parallel 			
Used by	Elements	cart:Equirectangular/cart:standard_parallel, cart:Lambert_Conformal_Conic/cart:standard_parallel, cart:Map_Projection_Base/cart:standard_parallel, cart:Oblique_Mercator/cart:standard_parallel, cart:Polar_Stereographic/cart:standard_parallel, cart:Polyconic/cart:standard_parallel, cart:Sinusoidal/cart:standard_parallel, cart:Transverse_Mercator/cart:standard_parallel		
Attributes	QName	Type	Use	
	unit	pds:Units_of_Angle	required	
Source	<pre><xs:complexType name="standard_parallel"> <xs:annotation> <xs:documentation>The standard_parallel attribute defines the line of constant latitude at which the surface of the planet and the plane or developable surface intersect.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="cart:standard_parallel_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/> </xs:extension> </xs:simpleContent> </xs:complexType></pre>			

Complex Type cart:longitude_of_central_meridian

Namespace	http://pds.nasa.gov/pds4/cart/v1			
Annotations	The longitude_of_central_meridian attribute defines the line of longitude at the center of a map projection generally used as the basis for constructing the projection.			
Diagram				

Type	extension of cart:longitude_of_central_meridian_WO_Units		
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:longitude_of_central_meridian_WO_Units <ul style="list-style-type: none"> • cart:longitude_of_central_meridian 		
Used by	Elements cart:Equirectangular/cart:longitude_of_central_meridian, cart:Lambert_Conformal_Conic/ cart:longitude_of_central_meridian, cart:Map_Projection_Base/cart:longitude_of_central_meridian, cart:Oblique_Mercator/cart:longitude_of_central_meridian, cart:Polar_Stereographic/ cart:longitude_of_central_meridian, cart:Polyconic/cart:longitude_of_central_meridian, cart:Sinusoidal/ cart:longitude_of_central_meridian, cart:Transverse_Mercator/cart:longitude_of_central_meridian		
Attributes	QName	Type	Use
	unit	pds:Units_of_Angle	required
Source	<pre> <xs:complexType name="longitude_of_central_meridian"> <xs:annotation> <xs:documentation>The longitude_of_central_meridian attribute defines the line of longitude at the center of a map projection generally used as the basis for constructing the projection.</ xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="cart:longitude_of_central_meridian_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>		

Complex Type cart:Oblique_Line_Azimuth

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Annotations	The Oblique_Line_Azimuth class defines the method used to describe the line along which an oblique mercator map projection is centered using the map projection origin and an azimuth.		
Diagram			
Used by	Elements cart:Equirectangular/cart:Oblique_Line_Azimuth, cart:Lambert_Conformal_Conic/ cart:Oblique_Line_Azimuth, cart:Map_Projection_Base/cart:Oblique_Line_Azimuth, cart:Oblique_Line_Azimuth, cart:Oblique_Mercator/cart:Oblique_Line_Azimuth, cart:Polar_Stereographic/cart:Oblique_Line_Azimuth, cart:Polyconic/cart:Oblique_Line_Azimuth, cart:Sinusoidal/cart:Oblique_Line_Azimuth, cart:Transverse_Mercator/cart:Oblique_Line_Azimuth		
Model	cart:azimuthal_angle , cart:azimuth_measure_point_longitude		
Children	cart:azimuth_measure_point_longitude, cart:azimuthal_angle		
Source	<pre> <xs:complexType name="Oblique_Line_Azimuth"> <xs:annotation> <xs:documentation>The Oblique_Line_Azimuth class defines the method used to describe the line along which an oblique mercator map projection is centered using the map projection origin and an azimuth.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="azimuthal_angle" type="cart:azimuthal_angle" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="azimuth_measure_point_longitude" type="cart:azimuth_measure_point_longitude" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>		

Complex Type cart:azimuthal_angle

Namespace	http://pds.nasa.gov/pds4/cart/v1
Annotations	The azimuthal_angle attribute provides the angle

	measured clockwise from north, and expressed in degrees.						
Diagram							
Type	extension of cart:azimuthal_angle_WO_Units						
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real <ul style="list-style-type: none"> cart:azimuthal_angle_WO_Units cart:azimuthal_angle 						
Used by	Element cart:Oblique_Line_Azimuth/cart:azimuthal_angle						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Angle</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Angle	required
QName	Type	Use					
unit	pds:Units_of_Angle	required					
Source	<pre><xs:complexType name="azimuthal_angle"> <xs:annotation> <xs:documentation>The azimuthal_angle attribute provides the angle measured clockwise from north, and expressed in degrees.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="cart:azimuthal_angle_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/> </xs:extension> </xs:simpleContent> </xs:complexType></pre>						

Complex Type cart:azimuth_measure_point_longitude

Namespace	http://pds.nasa.gov/pds4/cart/v1						
Annotations	The azimuth_measure_point_longitude attribute provides the longitude of the map projection origin.						
Diagram							
Type	extension of cart:azimuth_measure_point_longitude_WO_Units						
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real <ul style="list-style-type: none"> cart:azimuth_measure_point_longitude_WO_Units cart:azimuth_measure_point_longitude 						
Used by	Element cart:Oblique_Line_Azimuth/cart:azimuth_measure_point_longitude						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Angle</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Angle	required
QName	Type	Use					
unit	pds:Units_of_Angle	required					
Source	<pre><xs:complexType name="azimuth_measure_point_longitude"> <xs:annotation> <xs:documentation>The azimuth_measure_point_longitude attribute provides the longitude of the map projection origin.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="cart:azimuth_measure_point_longitude_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/> </xs:extension> </xs:simpleContent> </xs:complexType></pre>						

Complex Type cart:Oblique_Line_Point

Namespace	http://pds.nasa.gov/pds4/cart/v1
Annotations	The Oblique_Line_Point class defines the method used to describe the line along which an oblique mercator map projection is centered using two points near the limits of the mapped region that define the center line.
Diagram	<p>The Oblique_Line_Point class defines the method used to describe the line along which an oblique mercator map...</p>
Used by	Elements cart:Equirectangular/cart:Oblique_Line_Point, cart:Lambert_Conformal_Conic/cart:Oblique_Line_Point, cart:Map_Projection_Base/cart:Oblique_Line_Point, cart:Oblique_Line_Point, cart:Oblique_Mercator/cart:Oblique_Line_Point, cart:Polar_Stereographic/cart:Oblique_Line_Point, cart:Polyconic/cart:Oblique_Line_Point, cart:Sinusoidal/cart:Oblique_Line_Point, cart:Transverse_Mercator/cart:Oblique_Line_Point
Model	cart:Oblique_Line_Point_Group{2,2}
Children	cart:Oblique_Line_Point_Group
Source	<pre><xs:complexType name="Oblique_Line_Point"> <xs:annotation> <xs:documentation>The Oblique_Line_Point class defines the method used to describe the line along which an oblique mercator map projection is centered using two points near the limits of the mapped region that define the center line.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="Oblique_Line_Point_Group" type="cart:Oblique_Line_Point_Group" minOccurs="2" maxOccurs="2"> </xs:element> </xs:sequence> </xs:complexType></pre>

Complex Type cart:Oblique_Line_Point_Group

Namespace	http://pds.nasa.gov/pds4/cart/v1
Annotations	The Oblique_Line_Point_Group class provides the coordinates in latitude and longitude of one end point of the line along which an oblique mercator map projection is centered.
Diagram	<p>The Oblique_Line_Point_Group class provides the coordinates in latitude and longitude of one end point of the line...</p>
Used by	Elements cart:Oblique_Line_Point/cart:Oblique_Line_Point_Group, cart:Oblique_Line_Point_Group
Model	cart:oblique_line_latitude , cart:oblique_line_longitude
Children	cart:oblique_line_latitude, cart:oblique_line_longitude
Source	<pre><xs:complexType name="Oblique_Line_Point_Group"> <xs:annotation> <xs:documentation>The Oblique_Line_Point_Group class provides the coordinates in latitude and longitude of one end point of the line along which an oblique mercator map projection is centered.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="oblique_line_latitude" type="cart:oblique_line_latitude" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="oblique_line_longitude" type="cart:oblique_line_longitude" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType></pre>

Complex Type cart:oblique_line_latitude

Namespace	http://pds.nasa.gov/pds4/cart/v1
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Annotations	The oblique_line_latitude attribute provides the latitude of a point defining the oblique line.								
Diagram									
Type	extension of cart:oblique_line_latitude_WO_Units								
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:oblique_line_latitude_WO_Units • cart:oblique_line_latitude 								
Used by	Element	cart:Oblique_Line_Point_Group/cart:oblique_line_latitude							
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Angle</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Angle	required		
QName	Type	Use							
unit	pds:Units_of_Angle	required							
Source	<pre> <xs:complexType name="oblique_line_latitude"> <xs:annotation> <xs:documentation>The oblique_line_latitude attribute provides the latitude of a point defining the oblique line.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="cart:oblique_line_latitude_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>								

Complex Type cart:oblique_line_longitude

Namespace	http://pds.nasa.gov/pds4/cart/v1								
Annotations	The oblique_line_longitude attribute provides the longitude of a point defining the oblique line.								
Diagram									
Type	extension of cart:oblique_line_longitude_WO_Units								
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:oblique_line_longitude_WO_Units • cart:oblique_line_longitude 								
Used by	Element	cart:Oblique_Line_Point_Group/cart:oblique_line_longitude							
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Angle</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Angle	required		
QName	Type	Use							
unit	pds:Units_of_Angle	required							
Source	<pre> <xs:complexType name="oblique_line_longitude"> <xs:annotation> <xs:documentation>The oblique_line_longitude attribute provides the longitude of a point defining the oblique line.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="cart:oblique_line_longitude_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>								

Complex Type cart:latitude_of_projection_origin

Namespace	http://pds.nasa.gov/pds4/cart/v1								
Annotations	The latitude_of_projection_origin attribute defines the latitude chosen as the origin of rectangular coordinates for a map projection.								
Diagram									
Type	extension of cart:latitude_of_projection_origin_WO_Units								
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • cart:latitude_of_projection_origin_WO_Units • cart:latitude_of_projection_origin 								
Used by	Elements	cart:Equirectangular/cart:latitude_of_projection_origin, cart:Lambert_Conformal_Conic/cart:latitude_of_projection_origin, cart:Map_Projection_Base/cart:latitude_of_projection_origin, cart:Oblique_Mercator/cart:latitude_of_projection_origin, cart:Polar_Stereographic/cart:latitude_of_projection_origin, cart:Polyconic/cart:latitude_of_projection_origin, cart:Sinusoidal/cart:latitude_of_projection_origin, cart:Transverse_Mercator/cart:latitude_of_projection_origin							
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Angle</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Angle	required		
QName	Type	Use							
unit	pds:Units_of_Angle	required							
Source	<pre> <xs:complexType name="latitude_of_projection_origin"> <xs:annotation> <xs:documentation>The latitude_of_projection_origin attribute defines the latitude chosen as the origin of rectangular coordinates for a map projection.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="cart:latitude_of_projection_origin_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>								

Complex Type cart:Universal_Polar_Stereographic

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Annotations	The Universal_Polar_Stereographic class defines a grid system based on the polar stereographic projection, applied to the planet's polar regions north of 84 degrees north and south of 80 degrees south.		
Diagram			
Used by	Elements	cart:Grid_Coordinate_System/cart:Universal_Polar_Stereographic, cart:Universal_Polar_Stereographic	
Model	cart:ups_zone_identifier , cart:Polar_Stereographic		
Children	cart:Polar_Stereographic, cart:ups_zone_identifier		
Source	<pre> <xs:complexType name="Universal_Polar_Stereographic"> <xs:annotation> <xs:documentation>The Universal_Polar_Stereographic class defines a grid system based on the polar stereographic projection, applied to the planet's polar regions north of 84 degrees north and south of 80 degrees south.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="ups_zone_identifier" type="cart:ups_zone_identifier" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="Polar_Stereographic" type="cart:Polar_Stereographic" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>		

```

</xs:element>
</xs:sequence>
<!-- Begin assert statements for schematron - Enumerated Values -->
<!-- <xs:assert test="cart:ups_zone_identifier = ('A', 'B', 'Y', 'Z')"/> -->
<!-- End assert statements for schematron - Enumerated Values -->
</xs:complexType>
    
```

Complex Type cart:Polar_Stereographic

Namespace	http://pds.nasa.gov/pds4/cart/v1
Annotations	The Polar_Stereographic class contains parameters for the Polar Stereographic projection.
Diagram	<p>The diagram illustrates the class hierarchy for map projections. At the top is the abstract class cart:Map_Projection_Base, which serves as the parent class for all map projections. It contains several attributes: <i>straight_vertical_longitude_from_pole</i>, <i>standard_parallel</i>, <i>scale_factor_at_projection_origin</i>, <i>scale_factor_at_center_line</i>, <i>scale_factor_at_central_meridian</i>, <i>longitude_of_central_meridian</i>, a choice between <i>Oblique_Line_Azimuth</i> and <i>Oblique_Line_Point</i>, and <i>latitude_of_projection_origin</i>. A note indicates that the <i>standard_parallel</i> and <i>scale_factor_at_projection_origin</i> attributes are optional (indicated by a '0..2' cardinality). Below this is the cart:Polar_Stereographic class, which is a restriction of cart:Map_Projection_Base. It inherits all the attributes of the base class. A note explains that the cart:Polar_Stereographic class contains parameters for the Polar Stereographic projection.</p>
Type	restriction of cart:Map_Projection_Base
Type hierarchy	<ul style="list-style-type: none"> • cart:Map_Projection_Base • cart:Polar_Stereographic

Used by	Elements cart:Map_Projection/cart:Polar_Stereographic, cart:Polar_Stereographic, cart:Universal_Polar_Stereographic/cart:Polar_Stereographic
Model	cart:straight_vertical_longitude_from_pole, (cart:standard_parallel{0,1} cart:scale_factor_at_projection_origin{0,1}), cart:scale_factor_at_center_line{0,1}, cart:scale_factor_at_central_meridian{0,1}, cart:longitude_of_central_meridian{0,1}, (cart:Oblique_Line_Azimuth cart:Oblique_Line_Point), cart:latitude_of_projection_origin{0,1}
Children	cart:Oblique_Line_Azimuth, cart:Oblique_Line_Point, cart:latitude_of_projection_origin, cart:longitude_of_central_meridian, cart:scale_factor_at_center_line, cart:scale_factor_at_central_meridian, cart:scale_factor_at_projection_origin, cart:standard_parallel, cart:straight_vertical_longitude_from_pole
Source	<pre> <xs:complexType name="Polar_Stereographic"> <xs:annotation> <xs:documentation>The Polar_Stereographic class contains parameters for the Polar Stereographic projection.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:restriction base="cart:Map_Projection_Base"> <xs:sequence> <xs:element name="straight_vertical_longitude_from_pole" type="cart:straight_vertical_longitude_from_pole" minOccurs="1" maxOccurs="1"> </xs:element> <xs:choice minOccurs="0" maxOccurs="2"> <xs:element name="standard_parallel" type="cart:standard_parallel" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="scale_factor_at_projection_origin" type="cart:scale_factor_at_projection_origin" minOccurs="0" maxOccurs="1"> </xs:element> </xs:choice> <xs:element name="scale_factor_at_center_line" type="cart:scale_factor_at_center_line" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="scale_factor_at_central_meridian" type="cart:scale_factor_at_central_meridian" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="longitude_of_central_meridian" type="cart:longitude_of_central_meridian" minOccurs="0" maxOccurs="1"> </xs:element> <xs:choice minOccurs="0" maxOccurs="1"> <xs:element name="Oblique_Line_Azimuth" type="cart:Oblique_Line_Azimuth"> </xs:element> <xs:element name="Oblique_Line_Point" type="cart:Oblique_Line_Point"> </xs:element> </xs:choice> <xs:element name="latitude_of_projection_origin" type="cart:latitude_of_projection_origin" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>

Complex Type cart:State_Plane_Coordinate_System

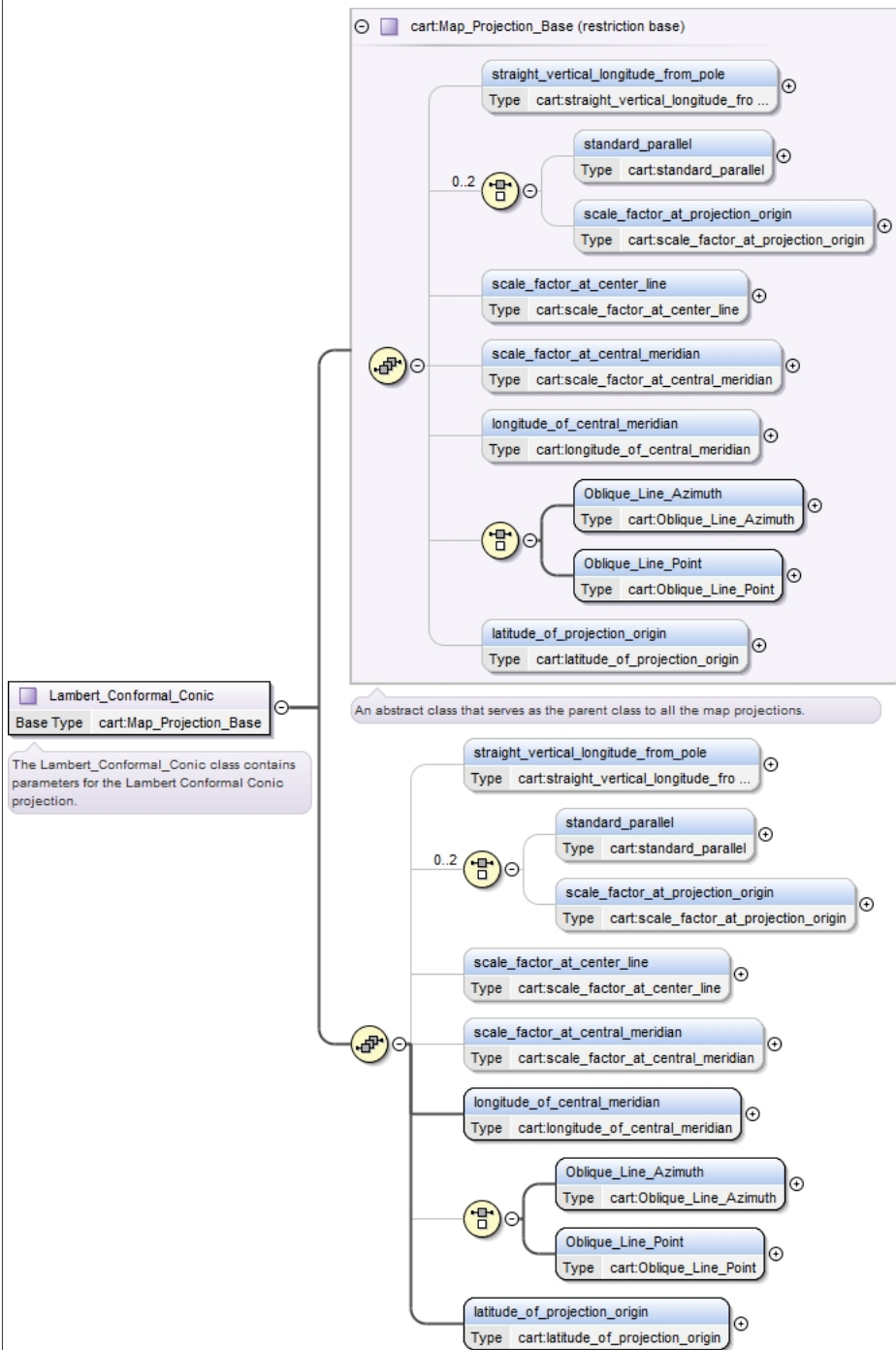
Namespace	http://pds.nasa.gov/pds4/cart/v1
Annotations	The State_Plane_Coordinate_System class defines a plane-rectangular coordinate system established for each state in the United States by the National Geodetic Survey.
Diagram	
Used by	Elements cart:Grid_Coordinate_System/cart:State_Plane_Coordinate_System, cart:State_Plane_Coordinate_System

Model	cart:spcs_zone_identifier , (cart:Lambert_Conformal_Conic cart:Oblique_Mercator cart:Polyconic cart:Transverse_Mercator)
Children	cart:Lambert_Conformal_Conic, cart:Oblique_Mercator, cart:Polyconic, cart:Transverse_Mercator, cart:spcs_zone_identifier
Source	<pre> <xs:complexType name="State_Plane_Coordinate_System"> <xs:annotation> <xs:documentation>The State_Plane_Coordinate_System class defines a plane-rectangular coordinate system established for each state in the United States by the National Geodetic Survey.</ xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="spcs_zone_identifier" type="cart:spcs_zone_identifier" minOccurs="1" maxOccurs="1"> </xs:element> <xs:choice minOccurs="1" maxOccurs="1"> <xs:element name="Lambert_Conformal_Conic" type="cart:Lambert_Conformal_Conic"> </xs:element> <xs:element name="Oblique_Mercator" type="cart:Oblique_Mercator"> </xs:element> <xs:element name="Polyconic" type="cart:Polyconic"> </xs:element> <xs:element name="Transverse_Mercator" type="cart:Transverse_Mercator"> </xs:element> </xs:choice> </xs:sequence> </xs:complexType> </pre>

Complex Type cart:Lambert_Conformal_Conic

Namespace	http://pds.nasa.gov/pds4/cart/v1
Annotations	The Lambert_Conformal_Conic class contains parameters for the Lambert Conformal Conic projection.

Diagram



Type	restriction of cart:Map_Projection_Base
Type hierarchy	<ul style="list-style-type: none"> • cart:Map_Projection_Base • cart:Lambert_Conformal_Conic
Used by	Elements cart:Lambert_Conformal_Conic, cart:Map_Projection/cart:Lambert_Conformal_Conic, cart:State_Plane_Coordinate_System/cart:Lambert_Conformal_Conic
Model	cart:straight_vertical_longitude_from_pole{0,1} , (cart:standard_parallel{0,1} cart:scale_factor_at_projection_origin{0,1}) , cart:scale_factor_at_center_line{0,1} , cart:scale_factor_at_central_meridian{0,1} , cart:longitude_of_central_meridian , (cart:Oblique_Line_Azimuth cart:Oblique_Line_Point) , cart:latitude_of_projection_origin
Children	cart:Oblique_Line_Azimuth, cart:Oblique_Line_Point, cart:latitude_of_projection_origin, cart:longitude_of_central_meridian, cart:scale_factor_at_center_line, cart:scale_factor_at_central_meridian, cart:scale_factor_at_projection_origin, cart:standard_parallel, cart:straight_vertical_longitude_from_pole
Source	<code><xs:complexType name="Lambert_Conformal_Conic" ></code> <code><xs:annotation></code>

```

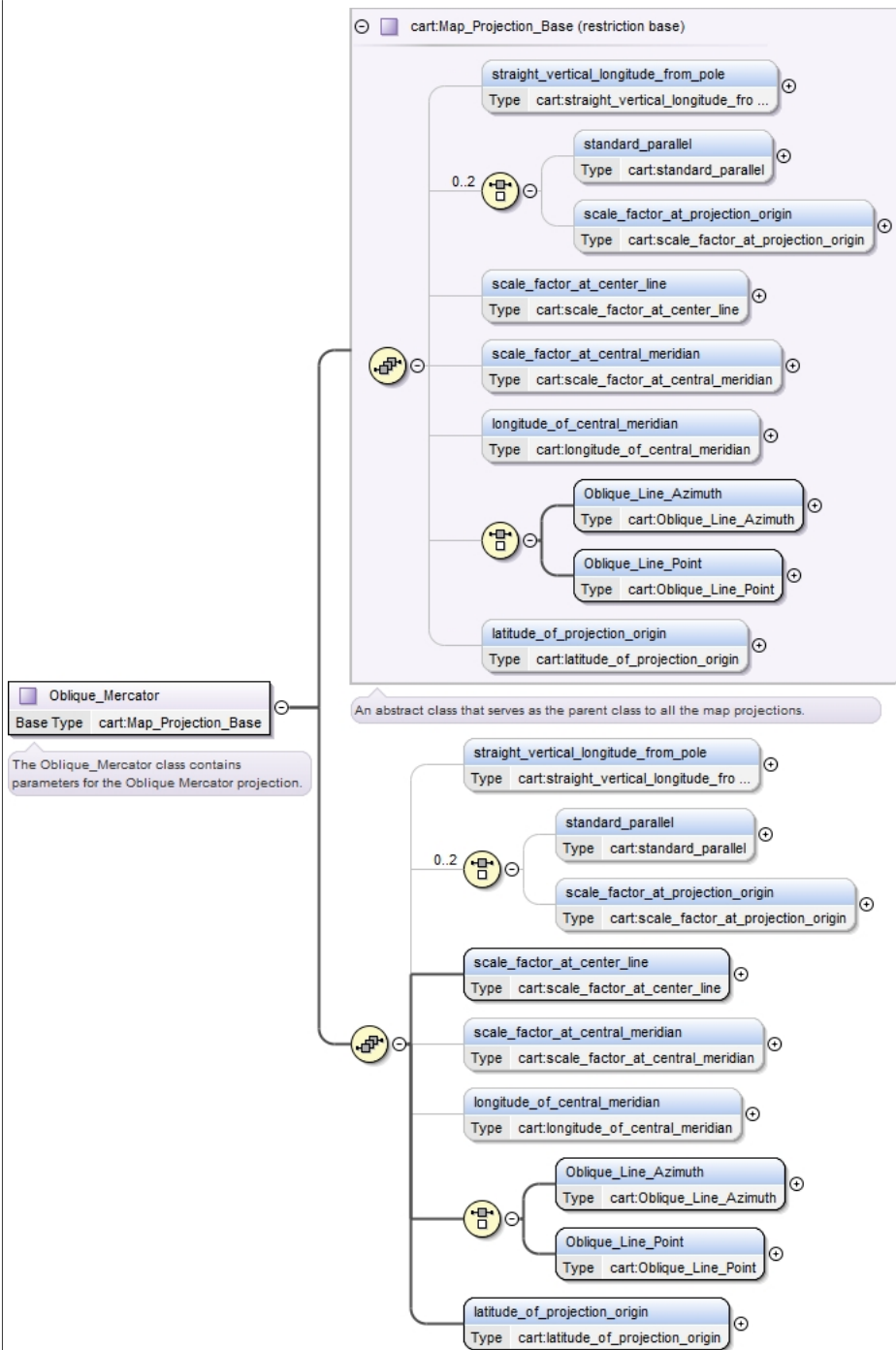
<xs:documentation>The Lambert_Conformal_Conic class contains parameters for the Lambert
Conformal Conic projection.</xs:documentation>
</xs:annotation>
<xs:complexContent>
  <xs:restriction base="cart:Map_Projection_Base">
    <xs:sequence>
      <xs:element name="straight_vertical_longitude_from_pole"
type="cart:straight_vertical_longitude_from_pole" minOccurs="0" maxOccurs="1">
      </xs:element>
      <xs:choice minOccurs="0" maxOccurs="2">
        <xs:element name="standard_parallel" type="cart:standard_parallel" minOccurs="0"
maxOccurs="1">
        </xs:element>
        <xs:element name="scale_factor_at_projection_origin"
type="cart:scale_factor_at_projection_origin" minOccurs="0" maxOccurs="1">
        </xs:element>
      </xs:choice>
      <xs:element name="scale_factor_at_center_line" type="cart:scale_factor_at_center_line"
minOccurs="0" maxOccurs="1">
      </xs:element>
      <xs:element name="scale_factor_at_central_meridian"
type="cart:scale_factor_at_central_meridian" minOccurs="0" maxOccurs="1">
      </xs:element>
      <xs:element name="longitude_of_central_meridian" type="cart:longitude_of_central_meridian"
minOccurs="1" maxOccurs="1">
      </xs:element>
      <xs:choice minOccurs="0" maxOccurs="1">
        <xs:element name="Oblique_Line_Azimuth" type="cart:Oblique_Line_Azimuth">
        </xs:element>
        <xs:element name="Oblique_Line_Point" type="cart:Oblique_Line_Point">
        </xs:element>
      </xs:choice>
      <xs:element name="latitude_of_projection_origin" type="cart:latitude_of_projection_origin"
minOccurs="1" maxOccurs="1">
      </xs:element>
    </xs:sequence>
  </xs:restriction>
</xs:complexContent>
</xs:complexType>

```

Complex Type cart:Oblique_Mercator

Namespace	http://pds.nasa.gov/pds4/cart/v1
Annotations	The Oblique_Mercator class contains parameters for the Oblique Mercator projection.

Diagram



Type	restriction of <code>cart:Map_Projection_Base</code>
Type hierarchy	<ul style="list-style-type: none"> <code>cart:Map_Projection_Base</code> <code>cart:Oblique_Mercator</code>
Used by	Elements <code>cart:Map_Projection/cart:Oblique_Mercator</code> , <code>cart:Oblique_Mercator</code> , <code>cart:State_Plane_Coordinate_System/cart:Oblique_Mercator</code>
Model	<code>cart:straight_vertical_longitude_from_pole{0,1}</code> , <code>(cart:standard_parallel{0,1} cart:scale_factor_at_projection_origin{0,1})</code> , <code>cart:scale_factor_at_center_line</code> , <code>cart:scale_factor_at_central_meridian{0,1}</code> , <code>cart:longitude_of_central_meridian{0,1}</code> , <code>(cart:Oblique_Line_Azimuth cart:Oblique_Line_Point)</code> , <code>cart:latitude_of_projection_origin</code>
Children	<code>cart:Oblique_Line_Azimuth</code> , <code>cart:Oblique_Line_Point</code> , <code>cart:latitude_of_projection_origin</code> , <code>cart:longitude_of_central_meridian</code> , <code>cart:scale_factor_at_center_line</code> , <code>cart:scale_factor_at_central_meridian</code> , <code>cart:scale_factor_at_projection_origin</code> , <code>cart:standard_parallel</code> , <code>cart:straight_vertical_longitude_from_pole</code>
Source	<code><xs:complexType name="Oblique_Mercator"></code> <code><xs:annotation></code>

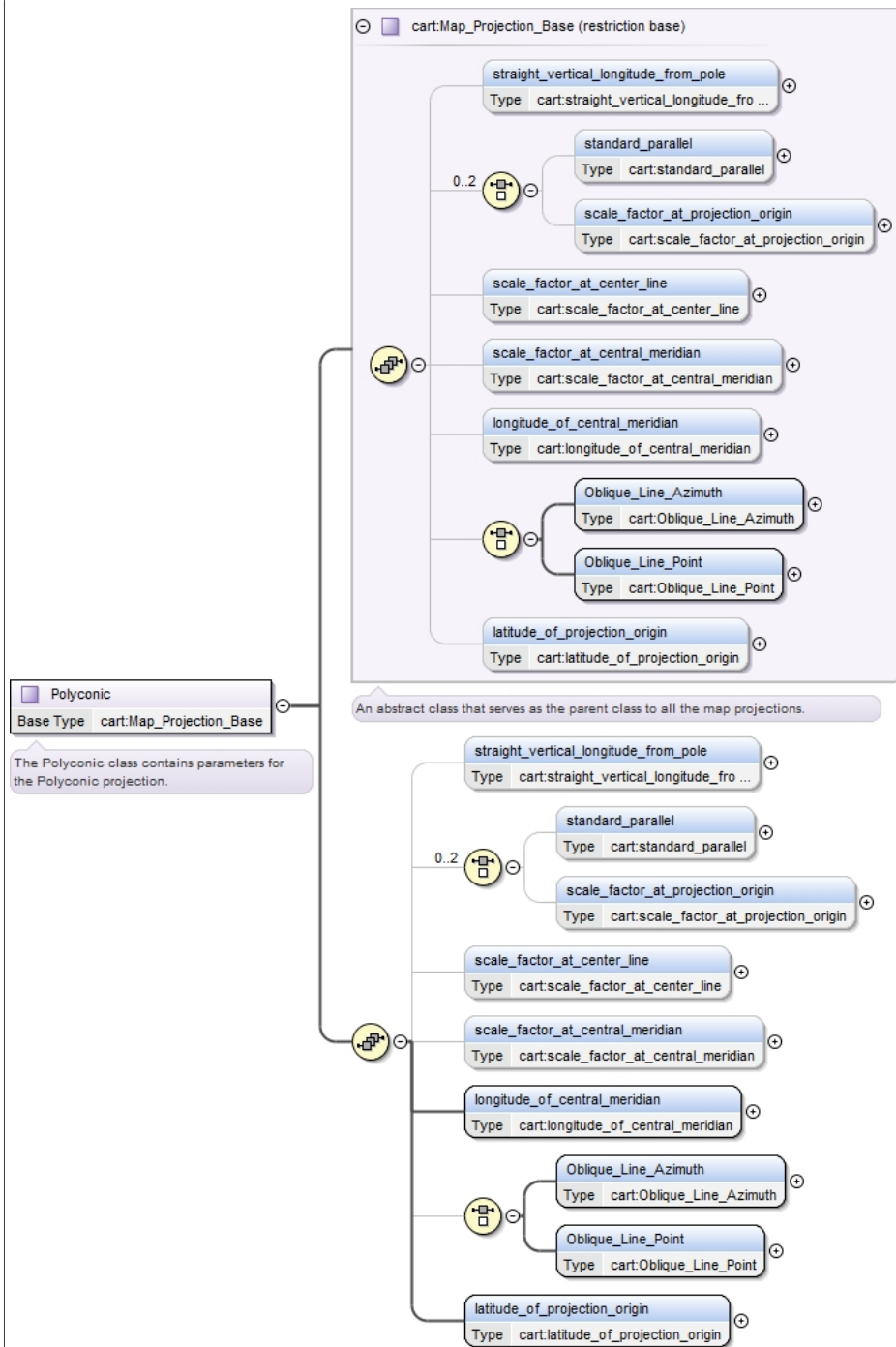
```

    <xs:documentation>The Oblique_Mercator class contains parameters for the Oblique Mercator
    projection.</xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:restriction base="cart:Map_Projection_Base">
      <xs:sequence>
        <xs:element name="straight_vertical_longitude_from_pole"
        type="cart:straight_vertical_longitude_from_pole" minOccurs="0" maxOccurs="1">
          </xs:element>
        <xs:choice minOccurs="0" maxOccurs="2">
          <xs:element name="standard_parallel" type="cart:standard_parallel" minOccurs="0"
          maxOccurs="1">
            </xs:element>
          <xs:element name="scale_factor_at_projection_origin"
          type="cart:scale_factor_at_projection_origin" minOccurs="0" maxOccurs="1">
            </xs:element>
          </xs:choice>
          <xs:element name="scale_factor_at_center_line" type="cart:scale_factor_at_center_line"
          minOccurs="1" maxOccurs="1">
            </xs:element>
          <xs:element name="scale_factor_at_central_meridian"
          type="cart:scale_factor_at_central_meridian" minOccurs="0" maxOccurs="1">
            </xs:element>
          <xs:element name="longitude_of_central_meridian" type="cart:longitude_of_central_meridian"
          minOccurs="0" maxOccurs="1">
            </xs:element>
          <xs:choice minOccurs="1" maxOccurs="1">
            <xs:element name="Oblique_Line_Azimuth" type="cart:Oblique_Line_Azimuth">
              </xs:element>
            <xs:element name="Oblique_Line_Point" type="cart:Oblique_Line_Point">
              </xs:element>
            </xs:choice>
          <xs:element name="latitude_of_projection_origin" type="cart:latitude_of_projection_origin"
          minOccurs="1" maxOccurs="1">
            </xs:element>
          </xs:sequence>
        </xs:restriction>
      </xs:complexContent>
    </xs:complexType>
  
```

Complex Type cart:Polyconic

Namespace	http://pds.nasa.gov/pds4/cart/v1
Annotations	The Polyconic class contains parameters for the Polyconic projection.

Diagram



Type restriction of `cart:Map_Projection_Base`

Type hierarchy

- `cart:Map_Projection_Base`
- `cart:Polyconic`

Used by Elements `cart:Map_Projection/cart:Polyconic`, `cart:Polyconic`, `cart:State_Plane_Coordinate_System/cart:Polyconic`

Model `cart:straight_vertical_longitude_from_pole{0,1}` , `(cart:standard_parallel{0,1} | cart:scale_factor_at_projection_origin{0,1})` , `cart:scale_factor_at_center_line{0,1}` , `cart:scale_factor_at_central_meridian{0,1}` , `cart:longitude_of_central_meridian` , `(cart:Oblique_Line_Azimuth | cart:Oblique_Line_Point)` , `cart:latitude_of_projection_origin`

Children `cart:Oblique_Line_Azimuth` , `cart:Oblique_Line_Point` , `cart:latitude_of_projection_origin` , `cart:longitude_of_central_meridian` , `cart:scale_factor_at_center_line` , `cart:scale_factor_at_central_meridian` , `cart:scale_factor_at_projection_origin` , `cart:standard_parallel` , `cart:straight_vertical_longitude_from_pole`

Source `<xs:complexType name="Polyconic">`
`<xs:annotation>`

```

<xs:documentation>The Polyconic class contains parameters for the Polyconic projection.</
xs:documentation>
</xs:annotation>
<xs:complexContent>
  <xs:restriction base="cart:Map_Projection_Base">
    <xs:sequence>
      <xs:element name="straight_vertical_longitude_from_pole"
type="cart:straight_vertical_longitude_from_pole" minOccurs="0" maxOccurs="1">
      </xs:element>
      <xs:choice minOccurs="0" maxOccurs="2">
        <xs:element name="standard_parallel" type="cart:standard_parallel" minOccurs="0"
maxOccurs="1">
        </xs:element>
        <xs:element name="scale_factor_at_projection_origin"
type="cart:scale_factor_at_projection_origin" minOccurs="0" maxOccurs="1">
        </xs:element>
      </xs:choice>
      <xs:element name="scale_factor_at_center_line" type="cart:scale_factor_at_center_line"
minOccurs="0" maxOccurs="1">
      </xs:element>
      <xs:element name="scale_factor_at_central_meridian"
type="cart:scale_factor_at_central_meridian" minOccurs="0" maxOccurs="1">
      </xs:element>
      <xs:element name="longitude_of_central_meridian" type="cart:longitude_of_central_meridian"
minOccurs="1" maxOccurs="1">
      </xs:element>
      <xs:choice minOccurs="0" maxOccurs="1">
        <xs:element name="Oblique_Line_Azimuth" type="cart:Oblique_Line_Azimuth">
        </xs:element>
        <xs:element name="Oblique_Line_Point" type="cart:Oblique_Line_Point">
        </xs:element>
      </xs:choice>
      <xs:element name="latitude_of_projection_origin" type="cart:latitude_of_projection_origin"
minOccurs="1" maxOccurs="1">
      </xs:element>
    </xs:sequence>
  </xs:restriction>
</xs:complexContent>
</xs:complexType>

```

Complex Type cart:Local_Planar

Namespace	http://pds.nasa.gov/pds4/cart/v1
Annotations	The Local_Planar class defines any right-handed planar coordinate system of which the z-axis coincides with a plumb line through the origin that locally is aligned with the surface of the planet.
Diagram	
Used by	Elements cart:Local_Planar, cart:Planar/cart:Local_Planar
Model	cart:local_planar_description , cart:local_planar_georeference_information
Children	cart:local_planar_description, cart:local_planar_georeference_information
Source	<pre> <xs:complexType name="Local_Planar"> <xs:annotation> <xs:documentation>The Local_Planar class defines any right-handed planar coordinate system of which the z-axis coincides with a plumb line through the origin that locally is aligned with the surface of the planet.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="local_planar_description" type="cart:local_planar_description" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="local_planar_georeference_information" type="cart:local_planar_georeference_information" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type cart:Map_Projection

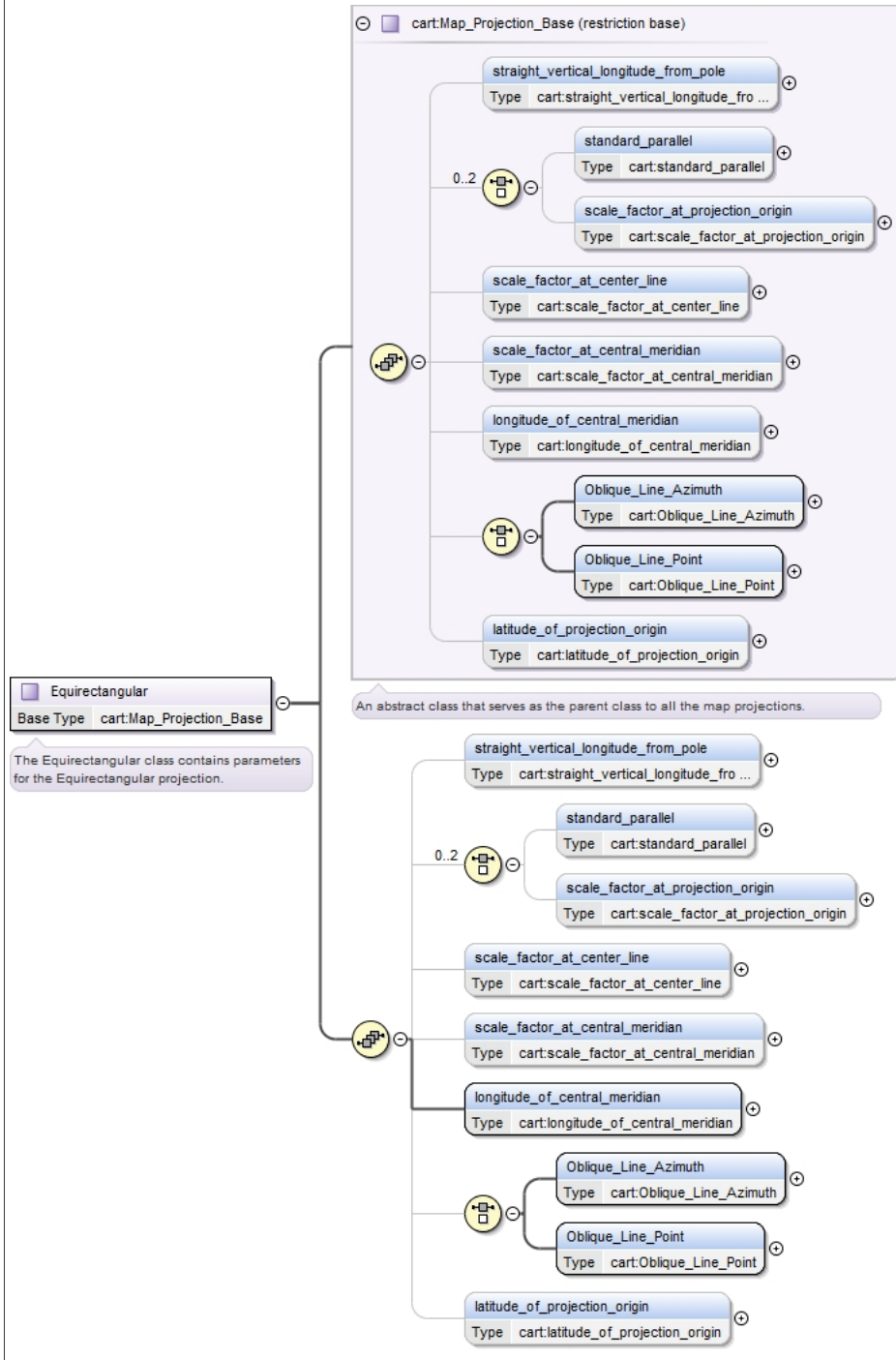
Namespace	http://pds.nasa.gov/pds4/cart/v1
Annotations	The Map_Projection class provides the systematic representation of all or part of the surface of a planet on a plane or developable surface.
Diagram	
Used by	Elements cart:Map_Projection, cart:Planar/cart:Map_Projection
Model	cart:map_projection_name , (cart:Equirectangular cart:Lambert_Conformal_Conic cart:Oblique_Mercator cart:Polar_Stereographic cart:Polyconic cart:Sinusoidal cart:Transverse_Mercator)
Children	cart:Equirectangular, cart:Lambert_Conformal_Conic, cart:Oblique_Mercator, cart:Polar_Stereographic, cart:Polyconic, cart:Sinusoidal, cart:Transverse_Mercator, cart:map_projection_name
Source	<pre> <xs:complexType name="Map_Projection"> <xs:annotation> <xs:documentation>The Map_Projection class provides the systematic representation of all or part of the surface of a planet on a plane or developable surface.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="map_projection_name" type="cart:map_projection_name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:choice minOccurs="1" maxOccurs="1"> <xs:element name="Equirectangular" type="cart:Equirectangular"> </xs:element> <xs:element name="Lambert_Conformal_Conic" type="cart:Lambert_Conformal_Conic"> </xs:element> <xs:element name="Oblique_Mercator" type="cart:Oblique_Mercator"> </xs:element> <xs:element name="Polar_Stereographic" type="cart:Polar_Stereographic"> </xs:element> <xs:element name="Polyconic" type="cart:Polyconic"> </xs:element> <xs:element name="Sinusoidal" type="cart:Sinusoidal"> </xs:element> <xs:element name="Transverse_Mercator" type="cart:Transverse_Mercator"> </xs:element> </xs:choice> </xs:sequence> <!-- Begin assert statements for schematron - Enumerated Values --> <!-- <xs:assert test="cart:map_projection_name = ('Albers Conical Equal Area', 'Azimuthal Equidistant', 'Equidistant Conic', 'Equirectangular', 'General Vertical Near-sided Projection', 'Gnomonic', 'Lambert Azimuthal Equal Area', 'Lambert Conformal Conic', 'Mercator', 'Miller Cylindrical', 'Oblique Mercator', 'Orothographic', 'Polar Stereographic', 'Polyconic', 'Robinson', 'Sinusoidal', 'Space Oblique Mercator', 'Stereographic', 'Transverse Mercator', 'van der Grinten')"/> --> <!-- End assert statements for schematron - Enumerated Values --> </xs:complexType> </pre>

Complex Type cart:Equirectangular

Namespace	http://pds.nasa.gov/pds4/cart/v1
Annotations	The Equirectangular class contains parameters

for the Equirectangular projection.

Diagram



Type restriction of cart:Map_Projection_Base

- Type hierarchy
- cart:Map_Projection_Base
 - cart:Equirectangular

Used by Elements cart:Equirectangular, cart:Map_Projection/cart:Equirectangular

Model cart:straight_vertical_longitude_from_pole{0,1} , (cart:standard_parallel{0,1} | cart:scale_factor_at_projection_origin{0,1}) , cart:scale_factor_at_center_line{0,1} , cart:scale_factor_at_central_meridian{0,1} , cart:longitude_of_central_meridian , (cart:Oblique_Line_Azimuth | cart:Oblique_Line_Point) , cart:latitude_of_projection_origin{0,1}

Children cart:Oblique_Line_Azimuth, cart:Oblique_Line_Point, cart:latitude_of_projection_origin, cart:longitude_of_central_meridian, cart:scale_factor_at_center_line, cart:scale_factor_at_central_meridian, cart:scale_factor_at_projection_origin, cart:standard_parallel, cart:straight_vertical_longitude_from_pole

Source <xs:complexType name="Equirectangular" >
<xs:annotation >

```

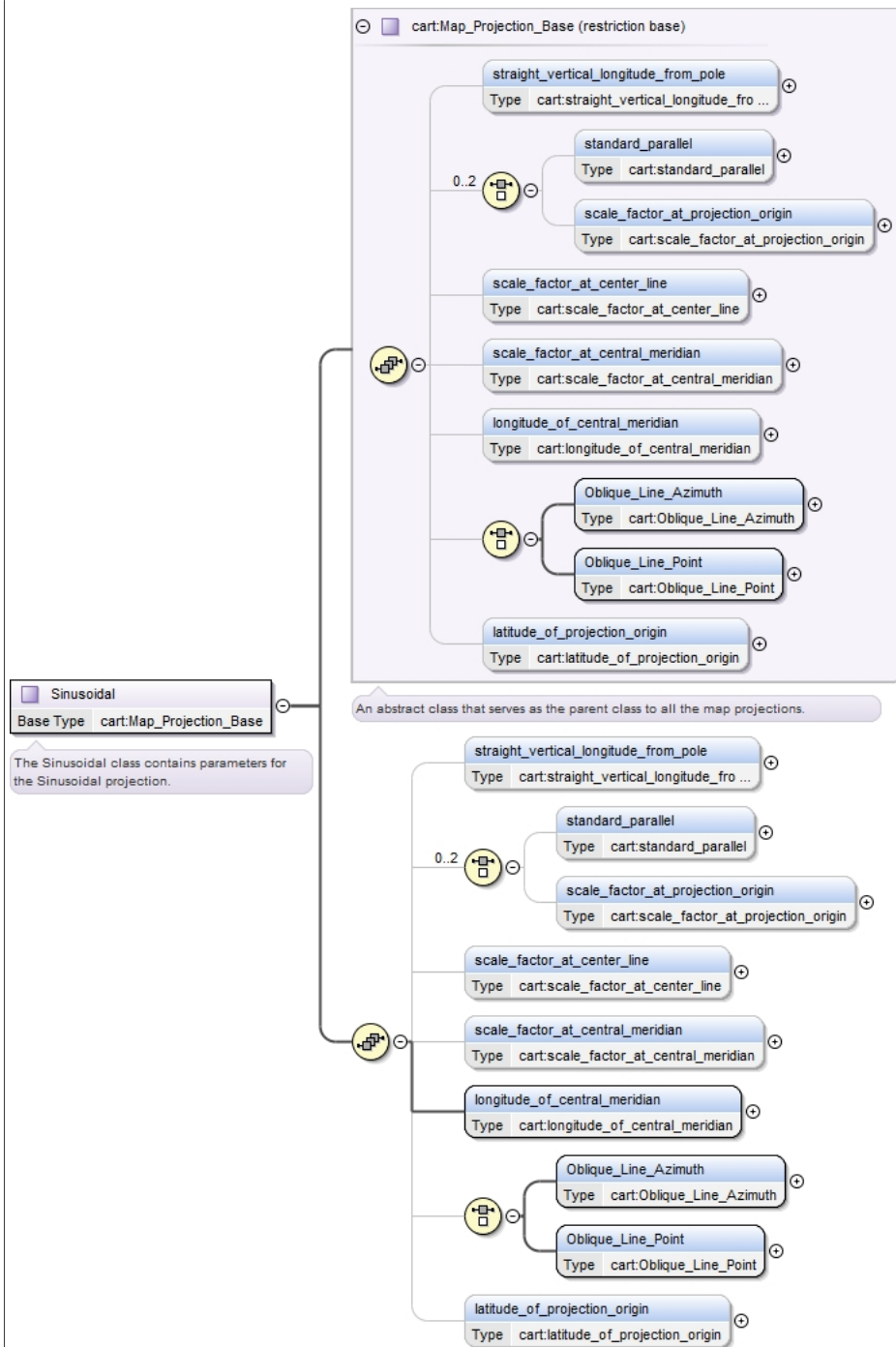
    <xs:documentation>The Equirectangular class contains parameters for the Equirectangular
    projection.</xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:restriction base="cart:Map_Projection_Base">
      <xs:sequence>
        <xs:element name="straight_vertical_longitude_from_pole"
          type="cart:straight_vertical_longitude_from_pole" minOccurs="0" maxOccurs="1">
        </xs:element>
        <xs:choice minOccurs="0" maxOccurs="2">
          <xs:element name="standard_parallel" type="cart:standard_parallel" minOccurs="0"
            maxOccurs="1">
          </xs:element>
          <xs:element name="scale_factor_at_projection_origin"
            type="cart:scale_factor_at_projection_origin" minOccurs="0" maxOccurs="1">
          </xs:element>
        </xs:choice>
        <xs:element name="scale_factor_at_center_line" type="cart:scale_factor_at_center_line"
          minOccurs="0" maxOccurs="1">
          </xs:element>
        <xs:element name="scale_factor_at_central_meridian"
          type="cart:scale_factor_at_central_meridian" minOccurs="0" maxOccurs="1">
          </xs:element>
        <xs:element name="longitude_of_central_meridian" type="cart:longitude_of_central_meridian"
          minOccurs="1" maxOccurs="1">
          </xs:element>
        <xs:choice minOccurs="0" maxOccurs="1">
          <xs:element name="Oblique_Line_Azimuth" type="cart:Oblique_Line_Azimuth">
          </xs:element>
          <xs:element name="Oblique_Line_Point" type="cart:Oblique_Line_Point">
          </xs:element>
        </xs:choice>
        <xs:element name="latitude_of_projection_origin" type="cart:latitude_of_projection_origin"
          minOccurs="0" maxOccurs="1">
          </xs:element>
      </xs:sequence>
    </xs:restriction>
  </xs:complexContent>
</xs:complexType>

```

Complex Type cart:Sinusoidal

Namespace	http://pds.nasa.gov/pds4/cart/v1
Annotations	The Sinusoidal class contains parameters for the Sinusoidal projection.

Diagram



Type restriction of cart:Map_Projection_Base

Type hierarchy

- cart:Map_Projection_Base
- cart:Sinusoidal

Used by Elements cart:Map_Projection/cart:Sinusoidal, cart:Sinusoidal

Model cart:straight_vertical_longitude_from_pole{0,1}, (cart:standard_parallel{0,1} | cart:scale_factor_at_projection_origin{0,1}), cart:scale_factor_at_center_line{0,1}, cart:scale_factor_at_central_meridian{0,1}, cart:longitude_of_central_meridian, (cart:Oblique_Line_Azimuth | cart:Oblique_Line_Point), cart:latitude_of_projection_origin{0,1}

Children cart:Oblique_Line_Azimuth, cart:Oblique_Line_Point, cart:latitude_of_projection_origin, cart:longitude_of_central_meridian, cart:scale_factor_at_center_line, cart:scale_factor_at_central_meridian, cart:scale_factor_at_projection_origin, cart:standard_parallel, cart:straight_vertical_longitude_from_pole

Source `<xs:complexType name="Sinusoidal">
 <xs:annotation>
 <xs:documentation>The Sinusoidal class contains parameters for the Sinusoidal projection.</
 </xs:documentation>`

```

</xs:annotation>
<xs:complexContent>
  <xs:restriction base="cart:Map_Projection_Base">
    <xs:sequence>
      <xs:element name="straight_vertical_longitude_from_pole"
type="cart:straight_vertical_longitude_from_pole" minOccurs="0" maxOccurs="1">
      </xs:element>
      <xs:choice minOccurs="0" maxOccurs="2">
        <xs:element name="standard_parallel" type="cart:standard_parallel" minOccurs="0"
maxOccurs="1">
        </xs:element>
        <xs:element name="scale_factor_at_projection_origin"
type="cart:scale_factor_at_projection_origin" minOccurs="0" maxOccurs="1">
        </xs:element>
      </xs:choice>
      <xs:element name="scale_factor_at_center_line" type="cart:scale_factor_at_center_line"
minOccurs="0" maxOccurs="1">
      </xs:element>
      <xs:element name="scale_factor_at_central_meridian"
type="cart:scale_factor_at_central_meridian" minOccurs="0" maxOccurs="1">
      </xs:element>
      <xs:element name="longitude_of_central_meridian" type="cart:longitude_of_central_meridian"
minOccurs="1" maxOccurs="1">
      </xs:element>
      <xs:choice minOccurs="0" maxOccurs="1">
        <xs:element name="Oblique_Line_Azimuth" type="cart:Oblique_Line_Azimuth">
        </xs:element>
        <xs:element name="Oblique_Line_Point" type="cart:Oblique_Line_Point">
        </xs:element>
      </xs:choice>
      <xs:element name="latitude_of_projection_origin" type="cart:latitude_of_projection_origin"
minOccurs="0" maxOccurs="1">
      </xs:element>
    </xs:sequence>
  </xs:restriction>
</xs:complexContent>
</xs:complexType>

```

Complex Type cart:Planar_Coordinate_Information

Namespace	http://pds.nasa.gov/pds4/cart/v1
Annotations	The Planar_Coordinate_Information class provides information about the coordinate system developed on the planar surface.
Diagram	
Used by	Elements cart:Planar/cart:Planar_Coordinate_Information, cart:Planar_Coordinate_Information
Model	cart:planar_coordinate_encoding_method , (cart:Coordinate_Representation cart:Distance_and_Bearing_Representation)
Children	cart:Coordinate_Representation, cart:Distance_and_Bearing_Representation, cart:planar_coordinate_encoding_method
Source	<pre> <xs:complexType name="Planar_Coordinate_Information"> <xs:annotation> <xs:documentation>The Planar_Coordinate_Information class provides information about the coordinate system developed on the planar surface.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="planar_coordinate_encoding_method" type="cart:planar_coordinate_encoding_method" minOccurs="1" maxOccurs="1"> </xs:element> <xs:choice minOccurs="1" maxOccurs="1"> <xs:element name="Coordinate_Representation" type="cart:Coordinate_Representation"> </xs:element> <xs:element name="Distance_and_Bearing_Representation" type="cart:Distance_and_Bearing_Representation"> </xs:element> </xs:choice> </xs:sequence> <!-- Begin assert statements for schematron - Enumerated Values --> <!-- <xs:assert test="cart:planar_coordinate_encoding_method = ('Coordinate Pair', 'Distance and Bearing', 'Row and Column')"/> --> <!-- End assert statements for schematron - Enumerated Values --> </pre>

</xs:complexType>

Complex Type cart:Coordinate_Representation

Namespace	http://pds.nasa.gov/pds4/cart/v1
Annotations	The Coordinate_Representation class provides the method of encoding the position of a point by measuring its distance from perpendicular reference axes (the "coordinate pair" and "row and column" methods).
Diagram	
Used by	Elements cart:Coordinate_Representation, cart:Planar_Coordinate_Information/cart:Coordinate_Representation
Model	cart:abscissa_resolution , cart:ordinate_resolution
Children	cart:abscissa_resolution, cart:ordinate_resolution
Source	<pre><xs:complexType name="Coordinate_Representation"> <xs:annotation> <xs:documentation>The Coordinate_Representation class provides the method of encoding the position of a point by measuring its distance from perpendicular reference axes (the "coordinate pair" and "row and column" methods).</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="abscissa_resolution" type="cart:abscissa_resolution" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="ordinate_resolution" type="cart:ordinate_resolution" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType></pre>

Complex Type cart:abscissa_resolution

Namespace	http://pds.nasa.gov/pds4/cart/v1						
Annotations	The abscissa_resolution attribute provides the (nominal) minimum distance between the "x" or column values of two adjacent points.						
Diagram							
Type	extension of cart:abscissa_resolution_WO_Units						
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:abscissa_resolution_WO_Units cart:abscissa_resolution 						
Used by	Element cart:Coordinate_Representation/cart:abscissa_resolution						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Map_Scale</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Map_Scale	required
QName	Type	Use					
unit	pds:Units_of_Map_Scale	required					
Source	<pre><xs:complexType name="abscissa_resolution"> <xs:annotation> <xs:documentation>The abscissa_resolution attribute provides the (nominal) minimum distance between the "x" or column values of two adjacent points.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="cart:abscissa_resolution_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Map_Scale" use="required"/> </xs:extension> </xs:simpleContent> </xs:complexType></pre>						

```

</xs:extension>
</xs:simpleContent>
</xs:complexType>
    
```

Complex Type cart:ordinate_resolution

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Annotations	The ordinate_resolution attribute provides the (nominal) minimum distance between the "y" or row values of two adjacent points.		
Diagram			
Type	extension of cart:ordinate_resolution_WO_Units		
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real <ul style="list-style-type: none"> cart:ordinate_resolution_WO_Units <ul style="list-style-type: none"> cart:ordinate_resolution 		
Used by	Element	cart:Coordinate_Representation/cart:ordinate_resolution	
Attributes	QName	Type	Use
	unit	pds:Units_of_Map_Scale	required
Source	<pre> <xs:complexType name="ordinate_resolution"> <xs:annotation> <xs:documentation>The ordinate_resolution attribute provides the (nominal) minimum distance between the "y" or row values of two adjacent points.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="cart:ordinate_resolution_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Map_Scale" use="required"/> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>		

Complex Type cart:Distance_and_Bearing_Representation

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Annotations	The Distance_and_Bearing_Representation class provides a method of encoding the position of a point by measuring its distance and direction (azimuth angle) from another point.		
Diagram			
Used by	Elements	cart:Distance_and_Bearing_Representation, cart:Planar_Coordinate_Information/ cart:Distance_and_Bearing_Representation	
Model	cart:distance_resolution , cart:bearing_resolution , cart:bearing_reference_direction , cart:bearing_reference_meridian		
Children	cart:bearing_reference_direction, cart:bearing_reference_meridian, cart:bearing_resolution, cart:distance_resolution		
Source	<pre> <xs:complexType name="Distance_and_Bearing_Representation"> <xs:annotation> <xs:documentation>The Distance_and_Bearing_Representation class provides a method of encoding the position of a point by measuring its distance and direction (azimuth angle) from another point.</xs:documentation> </xs:annotation> </xs:complexType> </pre>		

```

</xs:annotation>
<xs:sequence>
  <xs:element name="distance_resolution" type="cart:distance_resolution" minOccurs="1"
maxOccurs="1">
  </xs:element>
  <xs:element name="bearing_resolution" type="cart:bearing_resolution" minOccurs="1"
maxOccurs="1">
  </xs:element>
  <xs:element name="bearing_reference_direction" type="cart:bearing_reference_direction"
minOccurs="1" maxOccurs="1">
  </xs:element>
  <xs:element name="bearing_reference_meridian" type="cart:bearing_reference_meridian"
minOccurs="1" maxOccurs="1">
  </xs:element>
</xs:sequence>
<!-- Begin assert statements for schematron - Enumerated Values -->
<!-- <xs:assert test="cart:bearing_reference_direction = ('North', 'South')"/> -->
<!-- <xs:assert test="cart:bearing_reference_meridian = ('Assumed', 'Astronomic', 'Geodetic',
'Grid', 'Magnetic')"/> -->
<!-- End assert statements for schematron - Enumerated Values -->
</xs:complexType>

```

Complex Type cart:distance_resolution

Namespace	http://pds.nasa.gov/pds4/cart/v1								
Annotations	The distance_resolution attribute provides the minimum distance measurable between two points, expressed in Planar Distance Units of measure.								
Diagram									
Type	extension of cart:distance_resolution_WO_Units								
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:distance_resolution_WO_Units cart:distance_resolution 								
Used by	Element	cart:Distance_and_Bearing_Representation/cart:distance_resolution							
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Map_Scale</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Map_Scale	required		
QName	Type	Use							
unit	pds:Units_of_Map_Scale	required							
Source	<pre> <xs:complexType name="distance_resolution"> <xs:annotation> <xs:documentation>The distance_resolution attribute provides the minimum distance measurable between two points, expressed in Planar Distance Units of measure.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="cart:distance_resolution_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Map_Scale" use="required"/> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>								

Complex Type cart:bearing_resolution

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Annotations	The bearing_resolution attribute provides the minimum angle measurable between two points.		
Diagram			

Type	extension of cart:bearing_resolution_WO_Units		
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:bearing_resolution_WO_Units • cart:bearing_resolution 		
Used by	Element	cart:Distance_and_Bearing_Representation/cart:bearing_resolution	
Attributes	QName	Type	Use
	unit	pds:Units_of_Angle	required
Source	<pre><xs:complexType name="bearing_resolution"> <xs:annotation> <xs:documentation>The bearing_resolution attribute provides the minimum angle measurable between two points.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="cart:bearing_resolution_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/> </xs:extension> </xs:simpleContent> </xs:complexType></pre>		

Complex Type cart:Geo_Transformation

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Annotations	TBD		
Diagram			
Used by	Element	cart:Planar/cart:Geo_Transformation	
Model	cart:upperleft_corner_x{0,1} , cart:upperleft_corner_y{0,1}		
Children	cart:upperleft_corner_x, cart:upperleft_corner_y		
Source	<pre><xs:complexType name="Geo_Transformation"> <xs:annotation> <xs:documentation>TBD</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="upperleft_corner_x" type="cart:upperleft_corner_x" minOccurs="0" maxOccurs="1"/> <xs:element name="upperleft_corner_y" type="cart:upperleft_corner_y" minOccurs="0" maxOccurs="1"/> </xs:sequence> </xs:complexType></pre>		

Complex Type cart:upperleft_corner_x

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Annotations	The upperleft_corner_x and upperleft_corner_y attributes provide the projection x and y values, in meters, relative to the map projection origin, at sample 0.5 and line 0.5 (upper left corner of pixel 1,1 within image array).		
Diagram			
Type	extension of cart:upperleft_corner_x_WO_Units		
Type hierarchy	<ul style="list-style-type: none"> • xs:double 		

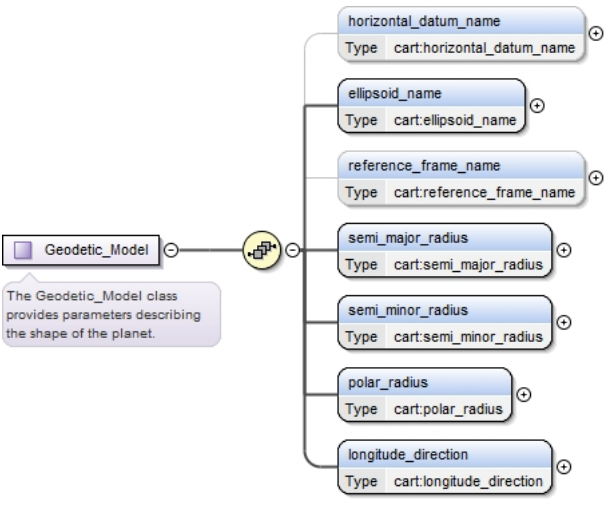
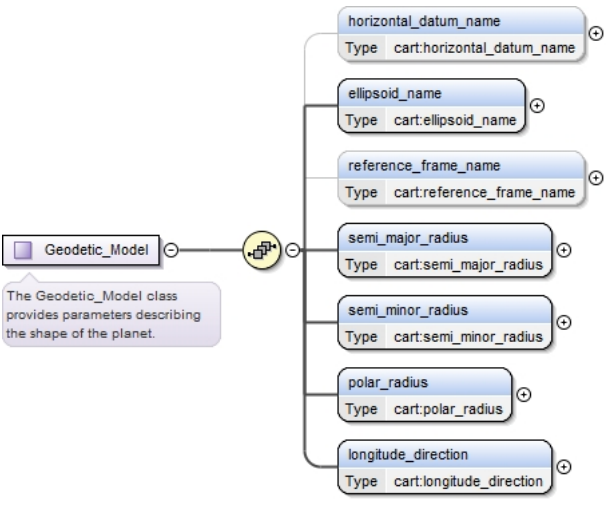
	<ul style="list-style-type: none"> • pds:ASCII_Real • cart:upperleft_corner_x_WO_Units • cart:upperleft_corner_x 			
Used by	Element cart:Geo_Transformation/cart:upperleft_corner_x			
Attributes	QName	Type	Use	
	unit	pds:Units_of_Length	required	
Source	<pre><xs:complexType name="upperleft_corner_x"> <xs:annotation> <xs:documentation>The upperleft_corner_x and upperleft_corner_y attributes provide the projection x and y values, in meters, relative to the map projection origin, at sample 0.5 and line 0.5 (upper left corner of pixel 1,1 within image array).</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="cart:upperleft_corner_x_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Length" use="required"/> </xs:extension> </xs:simpleContent> </xs:complexType></pre>			

Complex Type cart:upperleft_corner_y

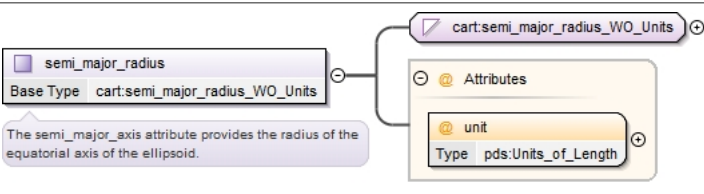
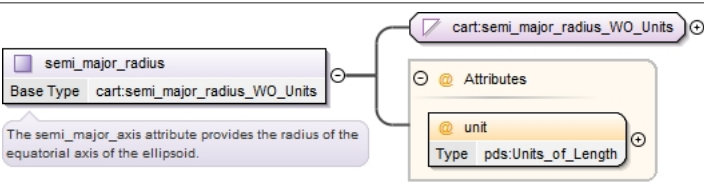
Namespace	http://pds.nasa.gov/pds4/cart/v1			
Annotations	The upperleft_corner_x and upperleft_corner_y attributes provide the projection x and y values, in meters, relative to the map projection origin, at sample 0.5 and line 0.5 (upper left corner of pixel 1,1 within image array).			
Diagram				
Type	extension of cart:upperleft_corner_y_WO_Units			
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • cart:upperleft_corner_y_WO_Units • cart:upperleft_corner_y 			
Used by	Element cart:Geo_Transformation/cart:upperleft_corner_y			
Attributes	QName	Type	Use	
	unit	pds:Units_of_Length	required	
Source	<pre><xs:complexType name="upperleft_corner_y"> <xs:annotation> <xs:documentation>The upperleft_corner_x and upperleft_corner_y attributes provide the projection x and y values, in meters, relative to the map projection origin, at sample 0.5 and line 0.5 (upper left corner of pixel 1,1 within image array).</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="cart:upperleft_corner_y_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Length" use="required"/> </xs:extension> </xs:simpleContent> </xs:complexType></pre>			

Complex Type cart:Geodetic_Model

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Annotations	The Geodetic_Model class provides parameters describing the shape of the planet.		

<p>Diagram</p> 	
<p>Used by</p>	<p>Elements cart:Geodetic_Model, cart:Horizontal_Coordinate_System_Definition/cart:Geodetic_Model</p>
<p>Model</p>	<p>cart:horizontal_datum_name{0,1} , cart:ellipsoid_name , cart:reference_frame_name{0,1} , cart:semi_major_radius , cart:semi_minor_radius , cart:polar_radius , cart:longitude_direction</p>
<p>Children</p>	<p>cart:ellipsoid_name, cart:horizontal_datum_name, cart:longitude_direction, cart:polar_radius, cart:reference_frame_name, cart:semi_major_radius, cart:semi_minor_radius</p>
<p>Source</p>	<pre> <xs:complexType name="Geodetic_Model"> <xs:annotation> <xs:documentation>The Geodetic_Model class provides parameters describing the shape of the planet.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="horizontal_datum_name" type="cart:horizontal_datum_name" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="ellipsoid_name" type="cart:ellipsoid_name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="reference_frame_name" type="cart:reference_frame_name" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="semi_major_radius" type="cart:semi_major_radius" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="semi_minor_radius" type="cart:semi_minor_radius" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="polar_radius" type="cart:polar_radius" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="longitude_direction" type="cart:longitude_direction" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> <!-- Begin assert statements for schematron - Enumerated Values --> <!-- <xs:assert test="cart:horizontal_datum_name = ('North American Datum of 1927', 'North American Datum of 1983')"/> --> <!-- <xs:assert test="cart:ellipsoid_name = ('Carke 1866', 'Geodetic Reference System 80')"/> --> <!-- <xs:assert test="cart:longitude_direction = ('Positive East', 'Positive West')"/> --> <!-- End assert statements for schematron - Enumerated Values --> </xs:complexType> </pre>

Complex Type cart:semi_major_radius

<p>Namespace</p>	<p>http://pds.nasa.gov/pds4/cart/v1</p>
<p>Annotations</p>	<p>The semi_major_axis attribute provides the radius of the equatorial axis of the ellipsoid.</p>
<p>Diagram</p> 	
<p>Type</p>	<p>extension of cart:semi_major_radius_WO_Units</p>

Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:semi_major_radius_WO_Units • cart:semi_major_radius 			
Used by	Element cart:Geodetic_Model/cart:semi_major_radius			
Attributes	QName	Type	Use	
	unit	pds:Units_of_Length	required	
Source	<pre><xs:complexType name="semi_major_radius"> <xs:annotation> <xs:documentation>The semi_major_axis attribute provides the radius of the equatorial axis of the ellipsoid.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="cart:semi_major_radius_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Length" use="required"/> </xs:extension> </xs:simpleContent> </xs:complexType></pre>			

Complex Type cart:semi_minor_radius

Namespace	http://pds.nasa.gov/pds4/cart/v1			
Annotations	The semi_minor_radius attribute provides the value of the intermediate axis of the ellipsoid that defines the approximate shape of a target body. The semi-minor axis is usually in the equatorial plane.			
Diagram	<p>The diagram shows a class hierarchy where <code>semi_minor_radius</code> is a specialization of <code>semi_minor_radius_WO_Units</code>. A note for <code>semi_minor_radius</code> states: "The semi_minor_radius attribute provides the value of the intermediate axis of the ellipsoid that defines the...". An attribute <code>unit</code> is shown on <code>semi_minor_radius</code> with type <code>pds:Units_of_Length</code>.</p>			
Type	extension of cart:semi_minor_radius_WO_Units			
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • cart:semi_minor_radius_WO_Units • cart:semi_minor_radius 			
Used by	Element cart:Geodetic_Model/cart:semi_minor_radius			
Attributes	QName	Type	Use	
	unit	pds:Units_of_Length	required	
Source	<pre><xs:complexType name="semi_minor_radius"> <xs:annotation> <xs:documentation>The semi_minor_radius attribute provides the value of the intermediate axis of the ellipsoid that defines the approximate shape of a target body. The semi-minor axis is usually in the equatorial plane.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="cart:semi_minor_radius_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Length" use="required"/> </xs:extension> </xs:simpleContent> </xs:complexType></pre>			

Complex Type cart:polar_radius

Namespace	http://pds.nasa.gov/pds4/cart/v1			
Annotations	The polar_radius attribute provides the value of the semiminor axis of the ellipsoid that defines the approximate shape of a target body. The polar radius is normal to the plane defined by the semi-major and semi-minor axes.			

Diagram			
Type	extension of cart:polar_radius_WO_Units		
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • cart:polar_radius_WO_Units • cart:polar_radius 		
Used by	Element	cart:Geodetic_Model/cart:polar_radius	
Attributes	QName	Type	Use
	unit	pds:Units_of_Length	required
Source	<pre> <xs:complexType name="polar_radius"> <xs:annotation> <xs:documentation>The polar_radius attribute provides the value of the semiminor axis of the ellipsoid that defines the approximate shape of a target body. The polar radius is normal to the plane defined by the semi-major and semi-minor axes.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="cart:polar_radius_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Length" use="required" /> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>		

Simple Type(s)

Simple Type cart:west_bounding_coordinate_WO_Units

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	restriction of pds:ASCII_Real		
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • cart:west_bounding_coordinate_WO_Units 		
Facets	maxInclusive	360.0	
	minInclusive	-180.0	
Used by	Complex Type	cart:west_bounding_coordinate	
Source	<pre> <xs:simpleType name="west_bounding_coordinate_WO_Units"> <xs:restriction base="pds:ASCII_Real"> <xs:minInclusive value="-180.0" /> <xs:maxInclusive value="360.0" /> </xs:restriction> </xs:simpleType> </pre>		

Simple Type cart:east_bounding_coordinate_WO_Units

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	restriction of pds:ASCII_Real		
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • cart:east_bounding_coordinate_WO_Units 		

Facets	maxInclusive	360.0
	minInclusive	-180.0
Used by	Complex Type	cart:east_bounding_coordinate
Source	<pre><xs:simpleType name="east_bounding_coordinate_WO_Units"> <xs:restriction base="pds:ASCII_Real"> <xs:minInclusive value="-180.0"/> <xs:maxInclusive value="360.0"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type cart:north_bounding_coordinate_WO_Units

Namespace	http://pds.nasa.gov/pds4/cart/v1	
Diagram		
Type	restriction of pds:ASCII_Real	
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • cart:north_bounding_coordinate_WO_Units 	
Facets	maxInclusive	90.0
	minInclusive	-90.0
Used by	Complex Type	cart:north_bounding_coordinate
Source	<pre><xs:simpleType name="north_bounding_coordinate_WO_Units"> <xs:restriction base="pds:ASCII_Real"> <xs:minInclusive value="-90.0"/> <xs:maxInclusive value="90.0"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type cart:south_bounding_coordinate_WO_Units

Namespace	http://pds.nasa.gov/pds4/cart/v1	
Diagram		
Type	restriction of pds:ASCII_Real	
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • cart:south_bounding_coordinate_WO_Units 	
Facets	maxInclusive	90.0
	minInclusive	-90.0
Used by	Complex Type	cart:south_bounding_coordinate
Source	<pre><xs:simpleType name="south_bounding_coordinate_WO_Units"> <xs:restriction base="pds:ASCII_Real"> <xs:minInclusive value="-90.0"/> <xs:maxInclusive value="90.0"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type cart:latitude_resolution_WO_Units

Namespace	http://pds.nasa.gov/pds4/cart/v1	
Diagram		
Type	restriction of pds:ASCII_Real	
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real 	

	<ul style="list-style-type: none"> • cart:latitude_resolution_WO_Units
Facets	minInclusive 0.0
Used by	Complex Type cart:latitude_resolution
Source	<pre><xs:simpleType name="latitude_resolution_WO_Units"> <xs:restriction base="pds:ASCII_Real"> <xs:minInclusive value="0.0"/> </xs:restriction> </xs:simpleType></pre>

Simple Type cart:longitude_resolution_WO_Units

Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	restriction of pds:ASCII_Real
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • cart:longitude_resolution_WO_Units
Facets	minInclusive 0.0
Used by	Complex Type cart:longitude_resolution
Source	<pre><xs:simpleType name="longitude_resolution_WO_Units"> <xs:restriction base="pds:ASCII_Real"> <xs:minInclusive value="0.0"/> </xs:restriction> </xs:simpleType></pre>

Simple Type cart:local_description

Namespace	http://pds.nasa.gov/pds4/cart/v1				
Annotations	The local_description attribute provides a description of the coordinate system and its orientation to the surface of a planet.				
Diagram					
Type	restriction of pds:ASCII_Text_Preserved				
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • cart:local_description 				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*
minLength	1				
pattern	\p{IsBasicLatin}*				
Used by	Element cart:Local/cart:local_description				
Source	<pre><xs:simpleType name="local_description"> <xs:annotation> <xs:documentation>The local_description attribute provides a description of the coordinate system and its orientation to the surface of a planet.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Text_Preserved"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>				

Simple Type cart:local_georeference_information

Namespace	http://pds.nasa.gov/pds4/cart/v1
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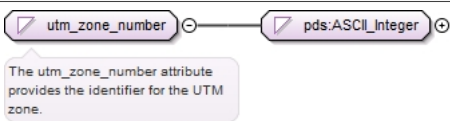
Annotations	The local_description attribute provides a description of the information provided to register the local system to a planet (e.g. control points, satellite ephemeral data, inertial navigation data).				
Diagram	<p>The local_description attribute provides a description of the information provided to register the local system to a...</p>				
Type	restriction of pds:ASCII_Text_Preserved				
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Text_Preserved cart:local_georeference_information 				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*
minLength	1				
pattern	\p{IsBasicLatin}*				
Used by	Element cart:Local/cart:local_georeference_information				
Source	<pre><xs:simpleType name="local_georeference_information"> <xs:annotation> <xs:documentation>The local_description attribute provides a description of the information provided to register the local system to a planet (e.g. control points, satellite ephemeral data, inertial navigation data).</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Text_Preserved"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>				

Simple Type cart:grid_coordinate_system_name

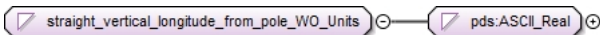
Namespace	http://pds.nasa.gov/pds4/cart/v1						
Annotations	The grid_coordinate_system_name attribute provides the name of the grid coordinate system.						
Diagram	<p>The grid_coordinate_system_name attribute provides the name of the grid coordinate system.</p>						
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed cart:grid_coordinate_system_name 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element cart:Grid_Coordinate_System/cart:grid_coordinate_system_name						
Source	<pre><xs:simpleType name="grid_coordinate_system_name"> <xs:annotation> <xs:documentation>The grid_coordinate_system_name attribute provides the name of the grid coordinate system.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type cart:utm_zone_number


Namespace	http://pds.nasa.gov/pds4/cart/v1
Annotations	The utm_zone_number attribute provides the

	identifier for the UTM zone.				
Diagram					
Type	restriction of pds:ASCII_Integer				
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • cart:utm_zone_number 				
Facets	<table border="1"> <tr> <td>maxInclusive</td> <td>60</td> </tr> <tr> <td>minInclusive</td> <td>-60</td> </tr> </table>	maxInclusive	60	minInclusive	-60
maxInclusive	60				
minInclusive	-60				
Used by	Element cart:Universal_Transverse_Mercator/cart:utm_zone_number				
Source	<pre><xs:simpleType name="utm_zone_number"> <xs:annotation> <xs:documentation>The utm_zone_number attribute provides the identifier for the UTM zone.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Integer"> <xs:minInclusive value="-60"/> <xs:maxInclusive value="60"/> </xs:restriction> </xs:simpleType></pre>				

Simple Type cart:straight_vertical_longitude_from_pole_WO_Units

Namespace	http://pds.nasa.gov/pds4/cart/v1				
Diagram					
Type	restriction of pds:ASCII_Real				
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • cart:straight_vertical_longitude_from_pole_WO_Units 				
Facets	<table border="1"> <tr> <td>maxInclusive</td> <td>180.0</td> </tr> <tr> <td>minInclusive</td> <td>-180.0</td> </tr> </table>	maxInclusive	180.0	minInclusive	-180.0
maxInclusive	180.0				
minInclusive	-180.0				
Used by	Complex Type cart:straight_vertical_longitude_from_pole				
Source	<pre><xs:simpleType name="straight_vertical_longitude_from_pole_WO_Units"> <xs:restriction base="pds:ASCII_Real"> <xs:minInclusive value="-180.0"/> <xs:maxInclusive value="180.0"/> </xs:restriction> </xs:simpleType></pre>				

Simple Type cart:standard_parallel_WO_Units

Namespace	http://pds.nasa.gov/pds4/cart/v1				
Diagram					
Type	restriction of pds:ASCII_Real				
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • cart:standard_parallel_WO_Units 				
Facets	<table border="1"> <tr> <td>maxInclusive</td> <td>90.0</td> </tr> <tr> <td>minInclusive</td> <td>-90.0</td> </tr> </table>	maxInclusive	90.0	minInclusive	-90.0
maxInclusive	90.0				
minInclusive	-90.0				
Used by	Complex Type cart:standard_parallel				
Source	<pre><xs:simpleType name="standard_parallel_WO_Units"> <xs:restriction base="pds:ASCII_Real"></pre>				

```
<xs:minInclusive value="-90.0" />
<xs:maxInclusive value="90.0" />
</xs:restriction>
</xs:simpleType>
```

Simple Type cart:scale_factor_at_projection_origin

Namespace	http://pds.nasa.gov/pds4/cart/v1
Annotations	The scale_factor_at_projection_origin attribute provides a multiplier for reducing a distance obtained from a map by computation or scaling to the actual distance at the projection origin.
Diagram	<p>The scale_factor_at_projection_origin attribute provides a multiplier for reducing a distance obtained from a map by...</p>
Type	pds:ASCII_Real
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:scale_factor_at_projection_origin
Used by	<p>Elements</p> <p>cart:Equirectangular/cart:scale_factor_at_projection_origin, cart:Lambert_Conformal_Conic/cart:scale_factor_at_projection_origin, cart:Map_Projection_Base/cart:scale_factor_at_projection_origin, cart:Oblique_Mercator/cart:scale_factor_at_projection_origin, cart:Polar_Stereographic/cart:scale_factor_at_projection_origin, cart:Polyconic/cart:scale_factor_at_projection_origin, cart:Sinusoidal/cart:scale_factor_at_projection_origin, cart:Transverse_Mercator/cart:scale_factor_at_projection_origin</p>
Source	<pre><xs:simpleType name="scale_factor_at_projection_origin"> <xs:annotation> <xs:documentation>The scale_factor_at_projection_origin attribute provides a multiplier for reducing a distance obtained from a map by computation or scaling to the actual distance at the projection origin.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Real"> </xs:restriction> </xs:simpleType></pre>

Simple Type cart:scale_factor_at_center_line

Namespace	http://pds.nasa.gov/pds4/cart/v1
Annotations	The scale_factor_at_center_line attribute provides a multiplier for reducing a distance obtained from a map by computation or scaling to the actual distance along the center line.
Diagram	<p>The scale_factor_at_center_line attribute provides a multiplier for reducing a distance obtained from a map by...</p>
Type	restriction of pds:ASCII_Real
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:scale_factor_at_center_line
Facets	minInclusive 0.0
Used by	<p>Elements</p> <p>cart:Equirectangular/cart:scale_factor_at_center_line, cart:Lambert_Conformal_Conic/cart:scale_factor_at_center_line, cart:Map_Projection_Base/cart:scale_factor_at_center_line, cart:Oblique_Mercator/cart:scale_factor_at_center_line, cart:Polar_Stereographic/cart:scale_factor_at_center_line, cart:Polyconic/cart:scale_factor_at_center_line, cart:Sinusoidal/cart:scale_factor_at_center_line, cart:Transverse_Mercator/cart:scale_factor_at_center_line</p>
Source	<pre><xs:simpleType name="scale_factor_at_center_line"> <xs:annotation> <xs:documentation>The scale_factor_at_center_line attribute provides a multiplier for reducing a distance obtained from a map by computation or scaling to the actual distance along the center line.</xs:documentation> </xs:annotation> </xs:simpleType></pre>

```

</xs:annotation>
<xs:restriction base="pds:ASCII_Real">
  <xs:minInclusive value="0.0"/>
</xs:restriction>
</xs:simpleType>

```

Simple Type cart:scale_factor_at_central_meridian


Namespace	http://pds.nasa.gov/pds4/cart/v1
Annotations	The scale_factor_at_central_meridian attribute provides a multiplier for reducing a distance obtained from a map by computation or scaling to the actual distance along the central meridian.
Diagram	
Type	restriction of pds:ASCII_Real
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:scale_factor_at_central_meridian
Facets	minInclusive 0.0
Used by	Elements cart:Equirectangular/cart:scale_factor_at_central_meridian, cart:Lambert_Conformal_Conic/cart:scale_factor_at_central_meridian, cart:Map_Projection_Base/cart:scale_factor_at_central_meridian, cart:Oblique_Mercator/cart:scale_factor_at_central_meridian, cart:Polar_Stereographic/cart:scale_factor_at_central_meridian, cart:Polyconic/cart:scale_factor_at_central_meridian, cart:Sinusoidal/cart:scale_factor_at_central_meridian, cart:Transverse_Mercator/cart:scale_factor_at_central_meridian
Source	<pre> <xs:simpleType name="scale_factor_at_central_meridian"> <xs:annotation> <xs:documentation>The scale_factor_at_central_meridian attribute provides a multiplier for reducing a distance obtained from a map by computation or scaling to the actual distance along the central meridian.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Real"> <xs:minInclusive value="0.0"/> </xs:restriction> </xs:simpleType> </pre>

Simple Type cart:longitude_of_central_meridian_WO_Units

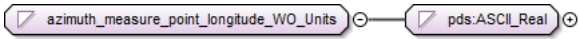
Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	restriction of pds:ASCII_Real
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:longitude_of_central_meridian_WO_Units
Facets	maxInclusive 180.0 minInclusive -180.0
Used by	Complex Type cart:longitude_of_central_meridian
Source	<pre> <xs:simpleType name="longitude_of_central_meridian_WO_Units"> <xs:restriction base="pds:ASCII_Real"> <xs:minInclusive value="-180.0"/> <xs:maxInclusive value="180.0"/> </xs:restriction> </xs:simpleType> </pre>

Simple Type cart:azimuthal_angle_WO_Units


Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram					
Type	restriction of pds:ASCII_Real				
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:azimuthal_angle_WO_Units 				
Facets	<table border="1"> <tr> <td>maxInclusive</td> <td>360.0</td> </tr> <tr> <td>minInclusive</td> <td>0.0</td> </tr> </table>	maxInclusive	360.0	minInclusive	0.0
maxInclusive	360.0				
minInclusive	0.0				
Used by	Complex Type cart:azimuthal_angle				
Source	<pre><xs:simpleType name="azimuthal_angle_WO_Units"> <xs:restriction base="pds:ASCII_Real"> <xs:minInclusive value="0.0"/> <xs:maxInclusive value="360.0"/> </xs:restriction> </xs:simpleType></pre>				

Simple Type cart:azimuth_measure_point_longitude_WO_Units

Namespace	http://pds.nasa.gov/pds4/cart/v1				
Diagram					
Type	restriction of pds:ASCII_Real				
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:azimuth_measure_point_longitude_WO_Units 				
Facets	<table border="1"> <tr> <td>maxInclusive</td> <td>180.0</td> </tr> <tr> <td>minInclusive</td> <td>-180.0</td> </tr> </table>	maxInclusive	180.0	minInclusive	-180.0
maxInclusive	180.0				
minInclusive	-180.0				
Used by	Complex Type cart:azimuth_measure_point_longitude				
Source	<pre><xs:simpleType name="azimuth_measure_point_longitude_WO_Units"> <xs:restriction base="pds:ASCII_Real"> <xs:minInclusive value="-180.0"/> <xs:maxInclusive value="180.0"/> </xs:restriction> </xs:simpleType></pre>				

Simple Type cart:oblique_line_latitude_WO_Units

Namespace	http://pds.nasa.gov/pds4/cart/v1				
Diagram					
Type	restriction of pds:ASCII_Real				
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:oblique_line_latitude_WO_Units 				
Facets	<table border="1"> <tr> <td>maxInclusive</td> <td>90.0</td> </tr> <tr> <td>minInclusive</td> <td>-90.0</td> </tr> </table>	maxInclusive	90.0	minInclusive	-90.0
maxInclusive	90.0				
minInclusive	-90.0				
Used by	Complex Type cart:oblique_line_latitude				
Source	<pre><xs:simpleType name="oblique_line_latitude_WO_Units"> <xs:restriction base="pds:ASCII_Real"> <xs:minInclusive value="-90.0"/> <xs:maxInclusive value="90.0"/> </xs:restriction> </xs:simpleType></pre>				

Simple Type cart:oblique_line_longitude_WO_Units

Namespace	http://pds.nasa.gov/pds4/cart/v1
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Diagram					
Type	restriction of pds:ASCII_Real				
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:oblique_line_longitude_WO_Units 				
Facets	<table border="1"> <tr> <td>maxInclusive</td> <td>180.0</td> </tr> <tr> <td>minInclusive</td> <td>-180.0</td> </tr> </table>	maxInclusive	180.0	minInclusive	-180.0
maxInclusive	180.0				
minInclusive	-180.0				
Used by	Complex Type cart:oblique_line_longitude				
Source	<pre><xs:simpleType name="oblique_line_longitude_WO_Units"> <xs:restriction base="pds:ASCII_Real"> <xs:minInclusive value="-180.0"/> <xs:maxInclusive value="180.0"/> </xs:restriction> </xs:simpleType></pre>				

Simple Type cart:latitude_of_projection_origin_WO_Units

Namespace	http://pds.nasa.gov/pds4/cart/v1				
Diagram					
Type	restriction of pds:ASCII_Real				
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:latitude_of_projection_origin_WO_Units 				
Facets	<table border="1"> <tr> <td>maxInclusive</td> <td>90.0</td> </tr> <tr> <td>minInclusive</td> <td>-90.0</td> </tr> </table>	maxInclusive	90.0	minInclusive	-90.0
maxInclusive	90.0				
minInclusive	-90.0				
Used by	Complex Type cart:latitude_of_projection_origin				
Source	<pre><xs:simpleType name="latitude_of_projection_origin_WO_Units"> <xs:restriction base="pds:ASCII_Real"> <xs:minInclusive value="-90.0"/> <xs:maxInclusive value="90.0"/> </xs:restriction> </xs:simpleType></pre>				

Simple Type cart:ups_zone_identifier

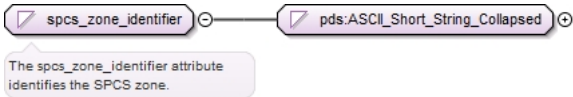
Namespace	http://pds.nasa.gov/pds4/cart/v1						
Annotations	The ups_zone_identifier attribute provides an identifier for the UPS zone.						
Diagram	<p>The ups_zone_identifier attribute provides an identifier for the UPS zone.</p>						
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed cart:ups_zone_identifier 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element cart:Universal_Polar_Stereographic/cart:ups_zone_identifier						
Source	<pre><xs:simpleType name="ups_zone_identifier"> <xs:annotation></pre>						

```


<xs:documentation>The ups_zone_identifier attribute provides an identifier for the UPS zone.</
xs:documentation>
</xs:annotation>
<xs:restriction base="pds:ASCII_Short_String_Collapsed">
  <xs:minLength value="1"/>
  <xs:maxLength value="255"/>
</xs:restriction>
</xs:simpleType>

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Simple Type cart:spcs_zone_identifier

Namespace	http://pds.nasa.gov/pds4/cart/v1						
Annotations	The spcs_zone_identifier attribute identifies the SPCS zone.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed cart:spcs_zone_identifier 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>4</td> </tr> <tr> <td>maxLength</td> <td>4</td> </tr> <tr> <td>pattern</td> <td>(\p{IsBasicLatin}*) & ([0-9][0-9][0-9][0-9])</td> </tr> </table>	minLength	4	maxLength	4	pattern	(\p{IsBasicLatin}*) & ([0-9][0-9][0-9][0-9])
minLength	4						
maxLength	4						
pattern	(\p{IsBasicLatin}*) & ([0-9][0-9][0-9][0-9])						
Used by	Element cart:State_Plane_Coordinate_System/cart:spcs_zone_identifier						
Source	<pre> <xs:simpleType name="spcs_zone_identifier"> <xs:annotation> <xs:documentation>The spcs_zone_identifier attribute identifies the SPCS zone.</ xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:pattern value="[0-9][0-9][0-9][0-9]"/> <xs:minLength value="4"/> <xs:maxLength value="4"/> </xs:restriction> </xs:simpleType> </pre>						

Simple Type cart:local_planar_description

Namespace	http://pds.nasa.gov/pds4/cart/v1				
Annotations	The local_planar_description attribute provides a description of the local planar system.				
Diagram					
Type	restriction of pds:ASCII_Text_Preserved				
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Text_Preserved cart:local_planar_description 				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*
minLength	1				
pattern	\p{IsBasicLatin}*				
Used by	Element cart:Local_Planar/cart:local_planar_description				
Source	<pre> <xs:simpleType name="local_planar_description"> <xs:annotation> <xs:documentation>The local_planar_description attribute provides a description of the local planar system.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Text_Preserved"> </pre>				

	<pre><xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>
--	---

Simple Type cart:local_planar_georeference_information

Namespace	http://pds.nasa.gov/pds4/cart/v1				
Annotations	The local_planar_georeference_information attribute provides a description of the information provided to register the local planar system to a planet (e.g. control points, satellite ephemeral data, inertial navigation data).				
Diagram	<p>The local_planar_georeference_information attribute provides a description of the information provided to register the...</p>				
Type	restriction of pds:ASCII_Text_Preserved				
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Text_Preserved cart:local_planar_georeference_information 				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*
minLength	1				
pattern	\p{IsBasicLatin}*				
Used by	Element cart:Local_Planar/cart:local_planar_georeference_information				
Source	<pre><xs:simpleType name="local_planar_georeference_information"> <xs:annotation> <xs:documentation>The local_planar_georeference_information attribute provides a description of the information provided to register the local planar system to a planet (e.g. control points, satellite ephemeral data, inertial navigation data).</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Text_Preserved"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>				

Simple Type cart:map_projection_name

Namespace	http://pds.nasa.gov/pds4/cart/v1						
Annotations	The map_projection_name attribute provides the name of the map projection.						
Diagram	<p>The map_projection_name attribute provides the name of the map projection.</p>						
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed cart:map_projection_name 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element cart:Map_Projection/cart:map_projection_name						
Source	<pre><xs:simpleType name="map_projection_name"> <xs:annotation> <xs:documentation>The map_projection_name attribute provides the name of the map projection.</ xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type cart:planar_coordinate_encoding_method

Namespace	http://pds.nasa.gov/pds4/cart/v1						
Annotations	The planar_coordinate_encoding_method attribute indicates the means used to represent horizontal positions.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed cart:planar_coordinate_encoding_method 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element cart:Planar_Coordinate_Information/cart:planar_coordinate_encoding_method						
Source	<pre><xs:simpleType name="planar_coordinate_encoding_method"> <xs:annotation> <xs:documentation>The planar_coordinate_encoding_method attribute indicates the means used to represent horizontal positions.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type cart:abscissa_resolution_WO_Units

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	restriction of pds:ASCII_Real		
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:abscissa_resolution_WO_Units 		
Facets	<table border="1"> <tr> <td>minInclusive</td> <td>0.0</td> </tr> </table>	minInclusive	0.0
minInclusive	0.0		
Used by	Complex Type cart:abscissa_resolution		
Source	<pre><xs:simpleType name="abscissa_resolution_WO_Units"> <xs:restriction base="pds:ASCII_Real"> <xs:minInclusive value="0.0"/> </xs:restriction> </xs:simpleType></pre>		

Simple Type cart:ordinate_resolution_WO_Units

Namespace	http://pds.nasa.gov/pds4/cart/v1		
Diagram			
Type	restriction of pds:ASCII_Real		
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:ordinate_resolution_WO_Units 		
Facets	<table border="1"> <tr> <td>minInclusive</td> <td>0.0</td> </tr> </table>	minInclusive	0.0
minInclusive	0.0		
Used by	Complex Type cart:ordinate_resolution		

Source	<pre><xs:simpleType name="ordinate_resolution_WO_Units"> <xs:restriction base="pds:ASCII_Real"> <xs:minInclusive value="0.0"/> </xs:restriction> </xs:simpleType></pre>
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Simple Type cart:distance_resolution_WO_Units

Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	restriction of pds:ASCII_Real
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:distance_resolution_WO_Units
Facets	minInclusive 0.0
Used by	Complex Type cart:distance_resolution
Source	<pre><xs:simpleType name="distance_resolution_WO_Units"> <xs:restriction base="pds:ASCII_Real"> <xs:minInclusive value="0.0"/> </xs:restriction> </xs:simpleType></pre>

Simple Type cart:bearing_resolution_WO_Units

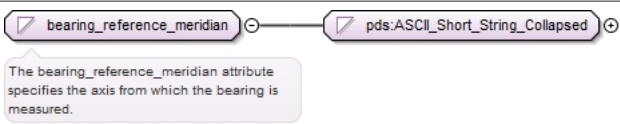
Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	restriction of pds:ASCII_Real
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:bearing_resolution_WO_Units
Facets	minInclusive 0.0
Used by	Complex Type cart:bearing_resolution
Source	<pre><xs:simpleType name="bearing_resolution_WO_Units"> <xs:restriction base="pds:ASCII_Real"> <xs:minInclusive value="0.0"/> </xs:restriction> </xs:simpleType></pre>

Simple Type cart:bearing_reference_direction


Namespace	http://pds.nasa.gov/pds4/cart/v1						
Annotations	The bearing_reference_direction attribute specifies the direction from which the bearing is measured.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed cart:bearing_reference_direction 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>5</td> </tr> <tr> <td>maxLength</td> <td>5</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	5	maxLength	5	pattern	\p{IsBasicLatin}*
minLength	5						
maxLength	5						
pattern	\p{IsBasicLatin}*						

Used by	Element cart:Distance_and_Bearing_Representation/cart:bearing_reference_direction
Source	<pre><xs:simpleType name="bearing_reference_direction"> <xs:annotation> <xs:documentation>The bearing_reference_direction attribute specifies the direction from which the bearing is measured.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="5" /> <xs:maxLength value="5" /> </xs:restriction> </xs:simpleType></pre>


Simple Type cart:bearing_reference_meridian

Namespace	http://pds.nasa.gov/pds4/cart/v1						
Annotations	The bearing_reference_meridian attribute specifies the axis from which the bearing is measured.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed cart:bearing_reference_meridian 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>4</td> </tr> <tr> <td>maxLength</td> <td>10</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	4	maxLength	10	pattern	\p{IsBasicLatin}*
minLength	4						
maxLength	10						
pattern	\p{IsBasicLatin}*						
Used by	Element cart:Distance_and_Bearing_Representation/cart:bearing_reference_meridian						
Source	<pre><xs:simpleType name="bearing_reference_meridian"> <xs:annotation> <xs:documentation>The bearing_reference_meridian attribute specifies the axis from which the bearing is measured.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="4" /> <xs:maxLength value="10" /> </xs:restriction> </xs:simpleType></pre>						

Simple Type cart:upperleft_corner_x_WO_Units

Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	pds:ASCII_Real
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:upperleft_corner_x_WO_Units
Used by	Complex Type cart:upperleft_corner_x
Source	<pre><xs:simpleType name="upperleft_corner_x_WO_Units"> <xs:restriction base="pds:ASCII_Real"> </xs:restriction> </xs:simpleType></pre>

Simple Type cart:upperleft_corner_y_WO_Units

Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	

Type	pds:ASCII_Real
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:upperleft_corner_y_WO_Units
Used by	Complex Type cart:upperleft_corner_y
Source	<pre><xs:simpleType name="upperleft_corner_y_WO_Units"> <xs:restriction base="pds:ASCII_Real"> </xs:restriction> </xs:simpleType></pre>

Simple Type cart:horizontal_datum_name

Namespace	http://pds.nasa.gov/pds4/cart/v1						
Annotations	The horizontal_datum_name attribute provides the identification given to reference system used for defining the coordinates of points.						
Diagram	<p>The horizontal_datum_name attribute provides the identification given to reference system used for defining the...</p>						
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed cart:horizontal_datum_name 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element cart:Geodetic_Model/cart:horizontal_datum_name						
Source	<pre><xs:simpleType name="horizontal_datum_name"> <xs:annotation> <xs:documentation>The horizontal_datum_name attribute provides the identification given to reference system used for defining the coordinates of points.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type cart:ellipsoid_name


Namespace	http://pds.nasa.gov/pds4/cart/v1				
Annotations	The ellipsoid_name attribute provides the identification given to established representations of a planet's shape.				
Diagram	<p>The ellipsoid_name attribute provides the identification given to established representations of a planet's shape.</p>				
Type	restriction of pds:ASCII_Short_String_Collapsed				
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed cart:ellipsoid_name 				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255
minLength	1				
maxLength	255				

	pattern	\p{IsBasicLatin}*
Used by	Element	cart:Geodetic_Model/cart:ellipsoid_name
Source	<pre><xs:simpleType name="ellipsoid_name"> <xs:annotation> <xs:documentation>The ellipsoid_name attribute provides the identification given to established representations of a planet's shape.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>	


Simple Type cart:reference_frame_name

Namespace	http://pds.nasa.gov/pds4/cart/v1	
Annotations	The name of the referenced frame.	
Diagram		
Type	restriction of pds:ASCII_Short_String_Collapsed	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • cart:reference_frame_name 	
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Used by	Element	cart:Geodetic_Model/cart:reference_frame_name
Source	<pre><xs:simpleType name="reference_frame_name"> <xs:annotation> <xs:documentation>The name of the referenced frame.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type cart:semi_major_radius_WO_Units

Namespace	http://pds.nasa.gov/pds4/cart/v1	
Diagram		
Type	restriction of pds:ASCII_Real	
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • cart:semi_major_radius_WO_Units 	
Facets	minInclusive	0.0
Used by	Complex Type	cart:semi_major_radius
Source	<pre><xs:simpleType name="semi_major_radius_WO_Units"> <xs:restriction base="pds:ASCII_Real"> <xs:minInclusive value="0.0"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type cart:semi_minor_radius_WO_Units

Namespace	http://pds.nasa.gov/pds4/cart/v1	
Diagram		

Type	restriction of pds:ASCII_Real
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:semi_minor_radius_WO_Units
Facets	minInclusive 0.0
Used by	Complex Type cart:semi_minor_radius
Source	<pre><xs:simpleType name="semi_minor_radius_WO_Units"> <xs:restriction base="pds:ASCII_Real"> <xs:minInclusive value="0.0"/> </xs:restriction> </xs:simpleType></pre>

Simple Type cart:polar_radius_WO_Units

Namespace	http://pds.nasa.gov/pds4/cart/v1
Diagram	
Type	restriction of pds:ASCII_Real
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real cart:polar_radius_WO_Units
Facets	minInclusive 0.0
Used by	Complex Type cart:polar_radius
Source	<pre><xs:simpleType name="polar_radius_WO_Units"> <xs:restriction base="pds:ASCII_Real"> <xs:minInclusive value="0.0"/> </xs:restriction> </xs:simpleType></pre>

Simple Type cart:longitude_direction

Namespace	http://pds.nasa.gov/pds4/cart/v1						
Annotations	The longitude_direction attribute identifies the direction of longitude (e.g. POSITIVE_EAST or POSITIVE_WEST) for a planet. The IAU definition for direction of positive longitude is adopted. Typically, for planets with prograde rotations, positive longitude direction is to the west. For planets with retrograde rotations, positive longitude direction is to the east. Note: The longitude_direction attribute should be used for planetographic systems, but not for planetocentric.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed cart:longitude_direction 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>13</td> </tr> <tr> <td>maxLength</td> <td>13</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	13	maxLength	13	pattern	\p{IsBasicLatin}*
minLength	13						
maxLength	13						
pattern	\p{IsBasicLatin}*						
Used by	Element cart:Geodetic_Model/cart:longitude_direction						
Source	<pre><xs:simpleType name="longitude_direction"> <xs:annotation> <xs:documentation>The longitude_direction attribute identifies the direction of longitude (e.g. POSITIVE_EAST or POSITIVE_WEST) for a planet. The IAU definition for direction of positive</pre>						

```

longitude is adopted. Typically, for planets with prograde rotations, positive longitude direction is to the west. For planets with retrograde rotations, positive longitude direction is to the east. Note: The longitude_direction attribute should be used for planetographic systems, but not for planetocentric.</xs:documentation>
</xs:annotation>
<xs:restriction base="pds:ASCII_Short_String_Collapsed">
  <xs:minLength value="13"/>
  <xs:maxLength value="13"/>
</xs:restriction>
</xs:simpleType>

```

Namespace: "http://pds.nasa.gov/pds4/pds/v1"

Schema(s)

Imported schema PDS4_PDS_1400.xsd

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	<p>This XML schema file has been generated from the PDS4 Information Model.</p> <p>This section contains the simpleTypes that provide more constraints than those at the base data type level. The simpleTypes defined here build on the base data types. This is another component of the common dictionary and therefore falls within the pds namespace.</p> <p>This section contains the base data types for PDS4 and any constraints those types may have. These types should be reused across schemas to promote compatibility. This is one component of the common dictionary and thus falls into the common namespace, pds.</p> <p>This section contains the base Units of Measure for PDS4. These Units of Measure should be reused across schemas to promote compatibility. This is one component of the common dictionary and thus falls into the common namespace, pds.</p>						
Properties	<table border="1"> <tr> <td>attribute form default:</td> <td>unqualified</td> </tr> <tr> <td>element form default:</td> <td>qualified</td> </tr> <tr> <td>version:</td> <td>1.4.0.0</td> </tr> </table>	attribute form default:	unqualified	element form default:	qualified	version:	1.4.0.0
attribute form default:	unqualified						
element form default:	qualified						
version:	1.4.0.0						

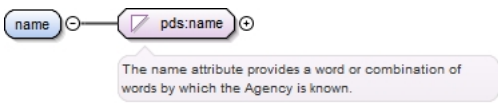
Element(s)

Element pds:Ingest_LDD


Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Ingest_LDD
Properties	content: complex

Model	pds:name , pds:ldd_version_id , pds:full_name , pds:steward_id , pds:namespace_id , pds:external_property_maps_id* , pds:comment{0,1} , pds:last_modification_date_time , pds:DD_Attribute* , pds:DD_Class* , pds:DD_Rule* , pds:Property_Maps*
Children	pds:DD_Attribute, pds:DD_Class, pds:DD_Rule, pds:Property_Maps, pds:comment, pds:external_property_maps_id, pds:full_name, pds:last_modification_date_time, pds:ldd_version_id, pds:name, pds:namespace_id, pds:steward_id
Instance	<pre><pds:Ingest_LDD xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{1,1}</pds:name> <pds:ldd_version_id>{1,1}</pds:ldd_version_id> <pds:full_name>{1,1}</pds:full_name> <pds:steward_id>{1,1}</pds:steward_id> <pds:namespace_id>{1,1}</pds:namespace_id> <pds:external_property_maps_id>{0,unbounded}</pds:external_property_maps_id> <pds:comment>{0,1}</pds:comment> <pds:last_modification_date_time>{1,1}</pds:last_modification_date_time> <pds:DD_Attribute>{0,unbounded}</pds:DD_Attribute> <pds:DD_Class>{0,unbounded}</pds:DD_Class> <pds:DD_Rule>{0,unbounded}</pds:DD_Rule> <pds:Property_Maps>{0,unbounded}</pds:Property_Maps> </pds:Ingest_LDD></pre>
Source	<pre><xs:element name="Ingest_LDD" type="pds:Ingest_LDD"> </xs:element></pre>

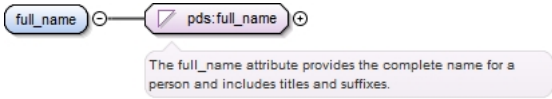
Element pds:Ingest_LDD / pds:name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:UTF8_Short_String_Collapsed • pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<pre><xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

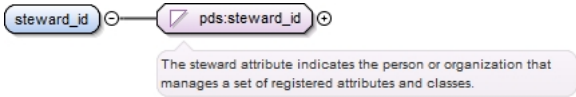
Element pds:Ingest_LDD / pds:ldd_version_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:ldd_version_id						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:ldd_version_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="ldd_version_id" type="pds:ldd_version_id" minOccurs="1" maxOccurs="1"> </xs:element></pre>						


Element pds:Ingest_LDD / pds:full_name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:full_name						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:full_name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="full_name" type="pds:full_name" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Ingest_LDD / pds:steward_id

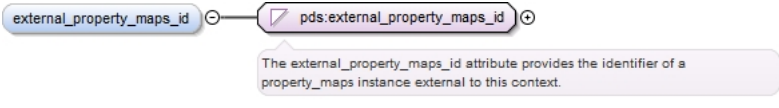
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:steward_id						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:steward_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="steward_id" type="pds:steward_id" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Ingest_LDD / pds:namespace_id

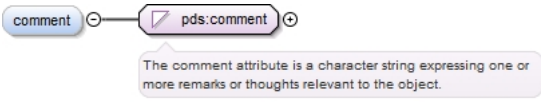
Namespace	http://pds.nasa.gov/pds4/pds/v1				
Diagram					
Type	pds:namespace_id				
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:namespace_id 				
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1
content:	simple				
minOccurs:	1				

	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="namespace_id" type="pds:namespace_id" minOccurs="1" maxOccurs="1"> </xs:element></code>	

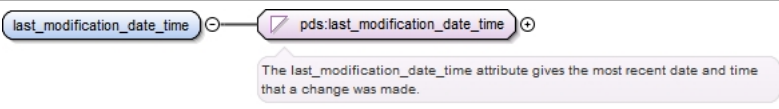
Element pds:Ingest_LDD / pds:external_property_maps_id

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:external_property_maps_id	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:external_property_maps_id 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	unbounded
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="external_property_maps_id" type="pds:external_property_maps_id" minOccurs="0" maxOccurs="unbounded"> </xs:element></code>	

Element pds:Ingest_LDD / pds:comment

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:comment	
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:comment 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="comment" type="pds:comment" minOccurs="0" maxOccurs="1"> </xs:element></code>	

Element pds:Ingest_LDD / pds:last_modification_date_time

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:last_modification_date_time	

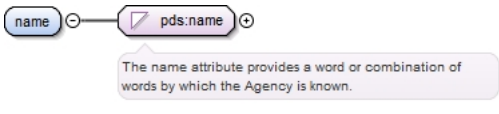
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Date_Time_YMD <ul style="list-style-type: none"> pds:last_modification_date_time 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<p>pattern</p> <pre>((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-)?[0-9] {4}-((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1] [0-9]) (2[0-3]))(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T) (([0-1][0-9]) (2[0-3])): [0-5][0-9](Z?)) ((-)? [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T) (([0-1][0-9]) (2[0-3])): [0-5][0-9]:(([0-5][0-9]) 60)(\.[0-9]{1,4}))? (Z?)) ((-)?[0-9]{4}- ((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)24((:00) (:00:00))? (Z?)) ((-)? [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1])) (T)24:00:00(\.[0]{1,4})) (Z?)) ((-)?[0-9]{4}- ((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z?))</pre>						
Source	<pre><xs:element name="last_modification_date_time" type="pds:last_modification_date_time" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Ingest_LDD / pds:DD_Attribute

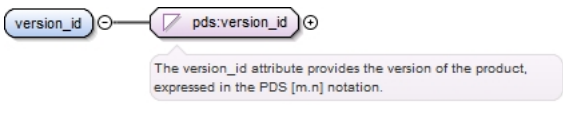
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	<pre> classDiagram class pds_DD_Attribute { name version_id local_identifier nillable_flag submitter_name definition comment Internal_Reference 0..∞ Terminological_Entry 0..∞ DD_Value_Domain } </pre> <p>The DD_Attribute class defines an attribute for a data dictionary.</p>

Type	pds:DD_Attribute						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	pds:name , pds:version_id , pds:local_identifier , pds:nillable_flag , pds:submitter_name , pds:definition , pds:comment{0,1} , pds:Internal_Reference* , pds:Terminological_Entry* , pds:DD_Value_Domain						
Children	pds:DD_Value_Domain, pds:Internal_Reference, pds:Terminological_Entry, pds:comment, pds:definition, pds:local_identifier, pds:name, pds:nillable_flag, pds:submitter_name, pds:version_id						
Instance	<pre><pds:DD_Attribute xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{1,1}</pds:name> <pds:version_id>{1,1}</pds:version_id> <pds:local_identifier>{1,1}</pds:local_identifier> <pds:nillable_flag>{1,1}</pds:nillable_flag> <pds:submitter_name>{1,1}</pds:submitter_name> <pds:definition>{1,1}</pds:definition> <pds:comment>{0,1}</pds:comment> <pds:Internal_Reference>{0,unbounded}</pds:Internal_Reference> <pds:Terminological_Entry>{0,unbounded}</pds:Terminological_Entry> <pds:DD_Value_Domain>{1,1}</pds:DD_Value_Domain> </pds:DD_Attribute></pre>						
Source	<pre><xs:element name="DD_Attribute" type="pds:DD_Attribute" minOccurs="0" maxOccurs="unbounded"> </xs:element></pre>						

Element pds:DD_Attribute / pds:name


Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> xs:token <ul style="list-style-type: none"> pds:UTF8_Short_String_Collapsed <ul style="list-style-type: none"> pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<pre><xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:DD_Attribute / pds:version_id

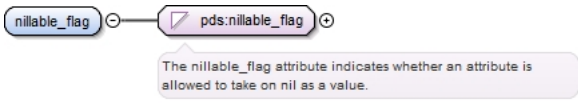
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:version_id						
Type hierarchy	<ul style="list-style-type: none"> xs:token <ul style="list-style-type: none"> pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> pds:version_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						

Facets	minLength	1
	maxLength	255
	pattern	(\p{IsBasicLatin}*) & (([0-9]+)(\.)?{1}([0-9]+))
Source	<code><xs:element name="version_id" type="pds:version_id" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>	

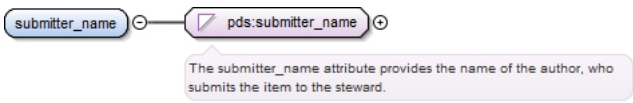
Element pds:DD_Attribute / pds:local_identifier

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:local_identifier	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:local_identifier 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="local_identifier" type="pds:local_identifier" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>	

Element pds:DD_Attribute / pds:nillable_flag

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:nillable_flag	
Type hierarchy	<ul style="list-style-type: none"> • xs:boolean • pds:ASCII_Boolean • pds:nillable_flag 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Source	<code><xs:element name="nillable_flag" type="pds:nillable_flag" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>	

Element pds:DD_Attribute / pds:submitter_name

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:submitter_name	
Type hierarchy	<ul style="list-style-type: none"> • xs:token 	

	<ul style="list-style-type: none"> • pds:ASCII_Short_String_Collapsed • pds:submitter_name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="submitter_name" type="pds:submitter_name" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:DD_Attribute / pds:definition

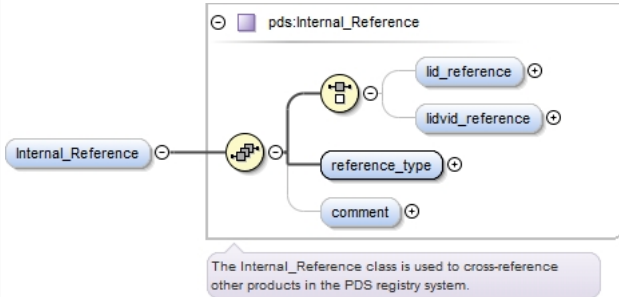
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:definition						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:definition 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<code><xs:element name="definition" type="pds:definition" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:DD_Attribute / pds:comment

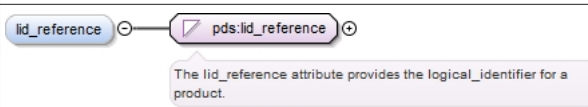
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:comment						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:comment 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*		
minLength	1						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="comment" type="pds:comment" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:DD_Attribute / pds:Internal_Reference

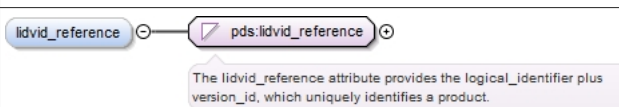
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:Internal_Reference						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	(pds:lid_reference{0,1} pds:lidvid_reference{0,1}), pds:reference_type , pds:comment{0,1}						
Children	pds:comment, pds:lid_reference, pds:lidvid_reference, pds:reference_type						
Instance	<pre><pds:Internal_Reference xmlns:pds="http://pds.nasa.gov/pds4/pds/v1" > <pds:lid_reference>{0,1}</pds:lid_reference> <pds:lidvid_reference>{0,1}</pds:lidvid_reference> <pds:reference_type>{1,1}</pds:reference_type> <pds:comment>{0,1}</pds:comment> </pds:Internal_Reference></pre>						
Source	<pre><xs:element name="Internal_Reference" type="pds:Internal_Reference" minOccurs="0" maxOccurs="unbounded" > </xs:element></pre>						

Element pds:Internal_Reference / pds:lid_reference

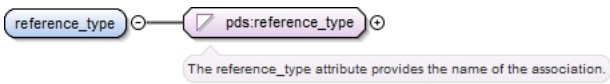
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:lid_reference						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_LID <ul style="list-style-type: none"> pds:lid_reference 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>14</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	14	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	14						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="lid_reference" type="pds:lid_reference" minOccurs="0" maxOccurs="1" > </xs:element></pre>						

Element pds:Internal_Reference / pds:lidvid_reference

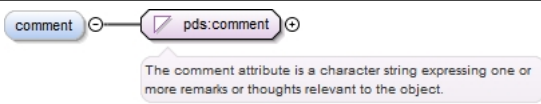
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:lidvid_reference
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_LIDVID

	<ul style="list-style-type: none"> • pds:lidvid_reference 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>19</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	19	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	19						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="lidvid_reference" type="pds:lidvid_reference" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Internal_Reference / pds:reference_type

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:reference_type						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:reference_type 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="reference_type" type="pds:reference_type" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Internal_Reference / pds:comment

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:comment						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:comment 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*		
minLength	1						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="comment" type="pds:comment" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:DD_Attribute / pds:Terminological_Entry

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:Terminological_Entry						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	pds:name , pds:definition , pds:language , pds:preferred_flag , pds:instance_id{0,1} , pds:External_Reference_Extended*						
Children	pds:External_Reference_Extended, pds:definition, pds:instance_id, pds:language, pds:name, pds:preferred_flag						
Instance	<pre><pds:Terminological_Entry xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{1,1}</pds:name> <pds:definition>{1,1}</pds:definition> <pds:language>{1,1}</pds:language> <pds:preferred_flag>{1,1}</pds:preferred_flag> <pds:instance_id>{0,1}</pds:instance_id> <pds:External_Reference_Extended>{0,unbounded}</pds:External_Reference_Extended> </pds:Terminological_Entry></pre>						
Source	<pre><xs:element name="Terminological_Entry" type="pds:Terminological_Entry" minOccurs="0" maxOccurs="unbounded"> </xs:element></pre>						

Element pds:Terminological_Entry / pds:name

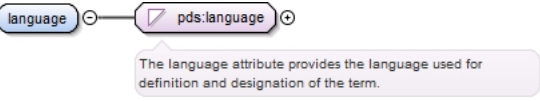
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:UTF8_Short_String_Collapsed pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<pre><xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Terminological_Entry / pds:definition


Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	

Type	pds:definition						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:UTF8_Text_Preserved pds:definition 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<code><xs:element name="definition" type="pds:definition" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:Terminological_Entry / pds:language

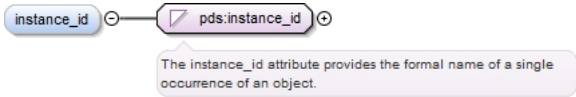
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:language						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:language 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="language" type="pds:language" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:Terminological_Entry / pds:preferred_flag

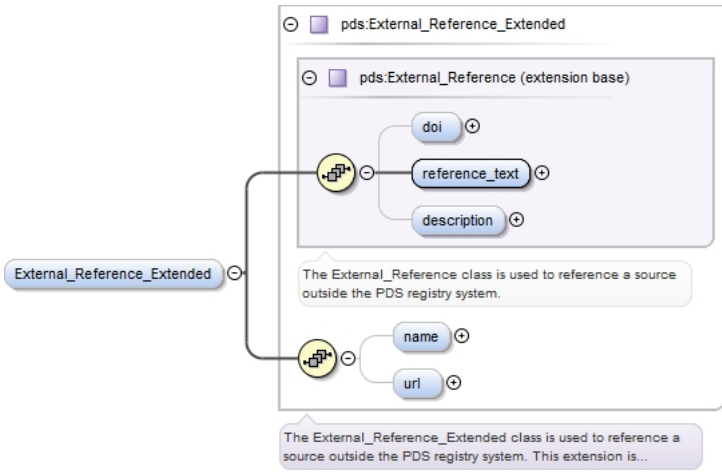
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:preferred_flag						
Type hierarchy	<ul style="list-style-type: none"> xs:boolean pds:ASCII_Boolean pds:preferred_flag 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<code><xs:element name="preferred_flag" type="pds:preferred_flag" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:Terminological_Entry / pds:instance_id

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:instance_id						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:instance_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="instance_id" type="pds:instance_id" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Terminological_Entry / pds:External_Reference_Extended

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:External_Reference_Extended						
Type hierarchy	<ul style="list-style-type: none"> pds:External_Reference pds:External_Reference_Extended 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	pds:doi{0,1} , pds:reference_text , pds:description{0,1} , pds:name{0,1} , pds:url{0,1}						
Children	pds:description, pds:doi, pds:name, pds:reference_text, pds:url						
Instance	<pre><pds:External_Reference_Extended xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:doi>{0,1}</pds:doi> <pds:reference_text>{1,1}</pds:reference_text> <pds:description>{0,1}</pds:description> <pds:name>{0,1}</pds:name> <pds:url>{0,1}</pds:url> </pds:External_Reference_Extended></pre>						
Source	<pre><xs:element name="External_Reference_Extended" type="pds:External_Reference_Extended" minOccurs="0" maxOccurs="unbounded"> </xs:element></pre>						

Element pds:External_Reference / pds:doi

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:doi						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:doi 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="doi" type="pds:doi" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:External_Reference / pds:reference_text

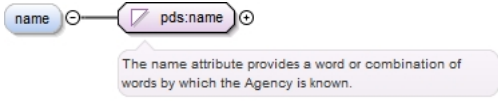
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:reference_text						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:reference_text 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*		
minLength	1						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="reference_text" type="pds:reference_text" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:External_Reference / pds:description

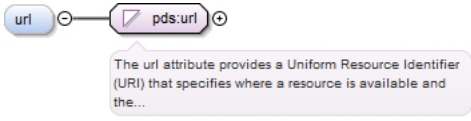
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						

Source	<code><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element></code>
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Element pds:External_Reference_Extended / pds:name

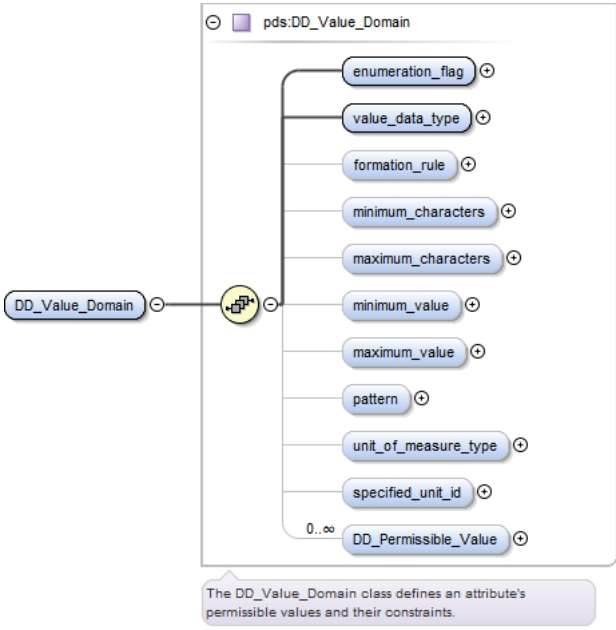
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:UTF8_Short_String_Collapsed • pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<code><xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:External_Reference_Extended / pds:url

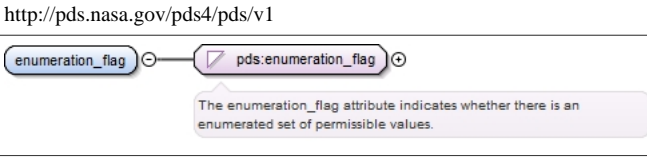
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:url						
Type hierarchy	<ul style="list-style-type: none"> • xs:anyURI • pds:ASCII_AnyURI • pds:url 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	pattern	\p{IsBasicLatin}*				
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="url" type="pds:url" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:DD_Attribute / pds:DD_Value_Domain

Namespace	http://pds.nasa.gov/pds4/pds/v1
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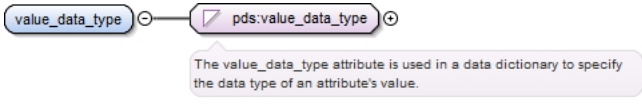
Diagram							
Type	pds:DD_Value_Domain						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:enumeration_flag , pds:value_data_type , pds:formation_rule{0,1} , pds:minimum_characters{0,1} , pds:maximum_characters{0,1} , pds:minimum_value{0,1} , pds:maximum_value{0,1} , pds:pattern{0,1} , pds:unit_of_measure_type{0,1} , pds:specified_unit_id{0,1} , pds:DD_Permissible_Value*						
Children	pds:DD_Permissible_Value, pds:enumeration_flag, pds:formation_rule, pds:maximum_characters, pds:maximum_value, pds:minimum_characters, pds:minimum_value, pds:pattern, pds:specified_unit_id, pds:unit_of_measure_type, pds:value_data_type						
Instance	<pre><pds:DD_Value_Domain xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:enumeration_flag>{1,1}</pds:enumeration_flag> <pds:value_data_type>{1,1}</pds:value_data_type> <pds:formation_rule>{0,1}</pds:formation_rule> <pds:minimum_characters>{0,1}</pds:minimum_characters> <pds:maximum_characters>{0,1}</pds:maximum_characters> <pds:minimum_value>{0,1}</pds:minimum_value> <pds:maximum_value>{0,1}</pds:maximum_value> <pds:pattern>{0,1}</pds:pattern> <pds:unit_of_measure_type>{0,1}</pds:unit_of_measure_type> <pds:specified_unit_id>{0,1}</pds:specified_unit_id> <pds:DD_Permissible_Value>{0,unbounded}</pds:DD_Permissible_Value> </pds:DD_Value_Domain></pre>						
Source	<xs:element name="DD_Value_Domain" type="pds:DD_Value_Domain" minOccurs="1" maxOccurs="1"></xs:element>						

Element pds:DD_Value_Domain / pds:enumeration_flag

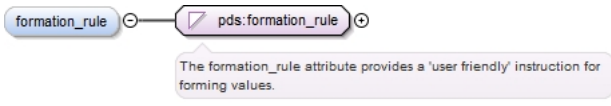
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:enumeration_flag						
Type hierarchy	<ul style="list-style-type: none"> xs:boolean pds:ASCII_Boolean pds:enumeration_flag 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						

Source	<code><xs:element name="enumeration_flag" type="pds:enumeration_flag" minOccurs="1" maxOccurs="1"> </xs:element></code>
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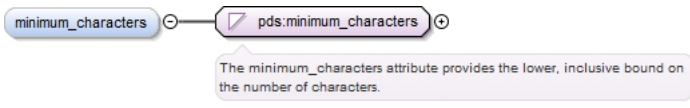
Element pds:DD_Value_Domain / pds:value_data_type

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:value_data_type						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:value_data_type 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>1</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>maxLength</td><td>255</td></tr> <tr><td>pattern</td><td>\p{IsBasicLatin}*</td></tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="value_data_type" type="pds:value_data_type" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:DD_Value_Domain / pds:formation_rule

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:formation_rule						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Text_Collapsed • pds:formation_rule 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>pattern</td><td>\p{IsBasicLatin}*</td></tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*		
minLength	1						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="formation_rule" type="pds:formation_rule" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:DD_Value_Domain / pds:minimum_characters

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:minimum_characters
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:minimum_characters

Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="minimum_characters" type="pds:minimum_characters" minOccurs="0" maxOccurs="1"> </xs:element></code>	

Element pds:DD_Value_Domain / pds:maximum_characters

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram	<p>The diagram shows a blue box labeled 'maximum_characters' connected by a line to a purple box labeled 'pds:maximum_characters'. A callout box points to the purple box with the text: 'The maximum_characters attribute provides the upper, inclusive bound on the number of characters.'</p>	
Type	pds:maximum_characters	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:maximum_characters 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="maximum_characters" type="pds:maximum_characters" minOccurs="0" maxOccurs="1"> </xs:element></code>	

Element pds:DD_Value_Domain / pds:minimum_value

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram	<p>The diagram shows a blue box labeled 'minimum_value' connected by a line to a purple box labeled 'pds:minimum_value'. A callout box points to the purple box with the text: 'The minimum_value attribute provides the lower inclusive bound on the value.'</p>	
Type	pds:minimum_value	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:minimum_value 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="minimum_value" type="pds:minimum_value" minOccurs="0" maxOccurs="1"> </xs:element></code>	

Element pds:DD_Value_Domain / pds:maximum_value

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram	<p>The diagram shows a blue box labeled 'maximum_value' connected by a line to a purple box labeled 'pds:maximum_value'. A callout bubble points to the purple box with the text: "The maximum_value attribute provides the upper, inclusive bound on the value."</p>						
Type	pds:maximum_value						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:maximum_value 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="maximum_value" type="pds:maximum_value" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:DD_Value_Domain / pds:pattern

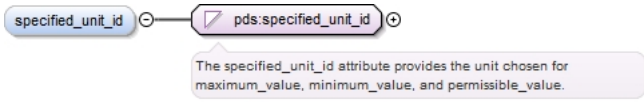
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The diagram shows a blue box labeled 'pattern' connected by a line to a purple box labeled 'pds:pattern'. A callout bubble points to the purple box with the text: "The pattern attribute provides a symbolic instruction for forming values."</p>						
Type	pds:pattern						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:pattern 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="pattern" type="pds:pattern" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:DD_Value_Domain / pds:unit_of_measure_type

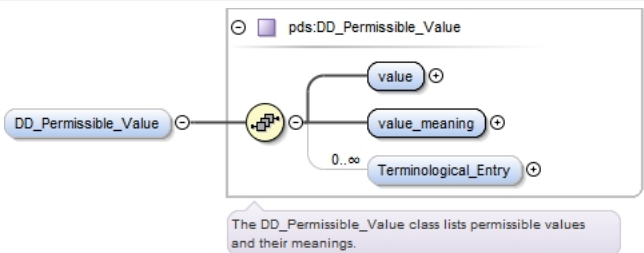
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The diagram shows a blue box labeled 'unit_of_measure_type' connected by a line to a purple box labeled 'pds:unit_of_measure_type'. A callout bubble points to the purple box with the text: "The unit_of_measure_type attribute identifies the class from which the attribute being defined in this data dictionary..."</p>						
Type	pds:unit_of_measure_type						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:unit_of_measure_type 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						

	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="unit_of_measure_type" type="pds:unit_of_measure_type" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>	

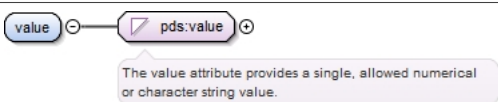
Element pds:DD_Value_Domain / pds:specified_unit_id

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:specified_unit_id	
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:UTF8_Short_String_Collapsed pds:specified_unit_id 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
Source	<code><xs:element name="specified_unit_id" type="pds:specified_unit_id" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>	

Element pds:DD_Value_Domain / pds:DD_Permissible_Value

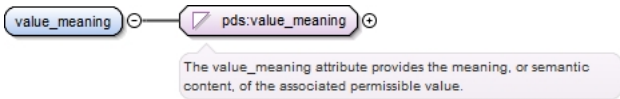
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:DD_Permissible_Value	
Properties	content:	complex
	minOccurs:	0
	maxOccurs:	unbounded
Model	pds:value , pds:value_meaning , pds:Terminological_Entry*	
Children	pds:Terminological_Entry, pds:value, pds:value_meaning	
Instance	<pre><pds:DD_Permissible_Value xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:value>{1,1}</pds:value> <pds:value_meaning>{1,1}</pds:value_meaning> <pds:Terminological_Entry>{0,unbounded}</pds:Terminological_Entry> </pds:DD_Permissible_Value></pre>	
Source	<code><xs:element name="DD_Permissible_Value" type="pds:DD_Permissible_Value" minOccurs="0" maxOccurs="unbounded"></code> <code></xs:element></code>	

Element pds:DD_Permissible_Value / pds:value

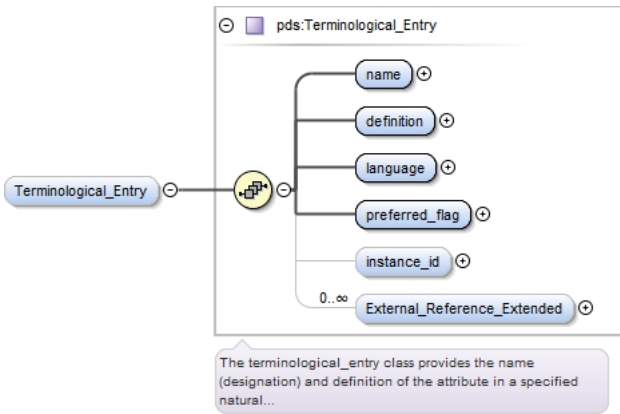
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		

Type	pds:value						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:value 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="value" type="pds:value" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:DD_Permissible_Value / pds:value_meaning

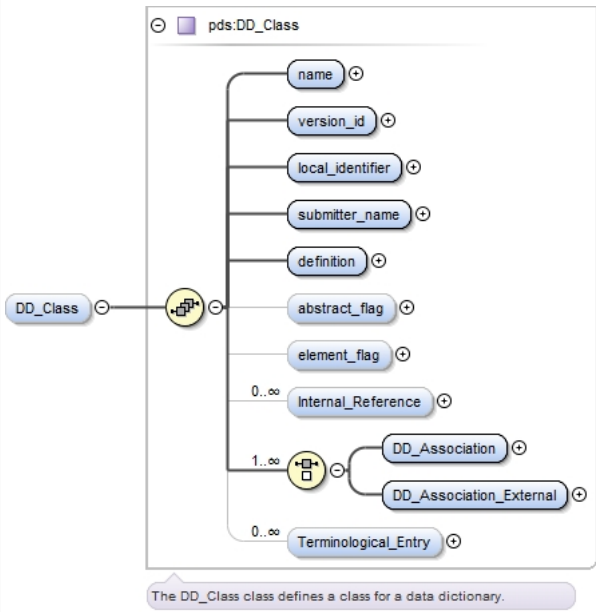
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:value_meaning						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Text_Preserved pds:value_meaning 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*		
minLength	1						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="value_meaning" type="pds:value_meaning" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:DD_Permissible_Value / pds:Terminological_Entry

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Terminological_Entry						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						

Model	pds:name , pds:definition , pds:language , pds:preferred_flag , pds:instance_id{0,1} , pds:External_Reference_Extended*
Children	pds:External_Reference_Extended, pds:definition, pds:instance_id, pds:language, pds:name, pds:preferred_flag
Instance	<pre><pds:Terminological_Entry xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{1,1}</pds:name> <pds:definition>{1,1}</pds:definition> <pds:language>{1,1}</pds:language> <pds:preferred_flag>{1,1}</pds:preferred_flag> <pds:instance_id>{0,1}</pds:instance_id> <pds:External_Reference_Extended>{0,unbounded}</pds:External_Reference_Extended> </pds:Terminological_Entry></pre>
Source	<pre><xs:element name="Terminological_Entry" type="pds:Terminological_Entry" minOccurs="0" maxOccurs="unbounded"> </xs:element></pre>

Element pds:Ingest_LDD / pds:DD_Class

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:DD_Class						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	pds:name , pds:version_id , pds:local_identifier , pds:submitter_name , pds:definition , pds:abstract_flag{0,1} , pds:element_flag{0,1} , pds:Internal_Reference* , (pds:DD_Association pds:DD_Association_External) , pds:Terminological_Entry*						
Children	pds:DD_Association, pds:DD_Association_External, pds:Internal_Reference, pds:Terminological_Entry, pds:abstract_flag, pds:definition, pds:element_flag, pds:local_identifier, pds:name, pds:submitter_name, pds:version_id						
Instance	<pre><pds:DD_Class xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{1,1}</pds:name> <pds:version_id>{1,1}</pds:version_id> <pds:local_identifier>{1,1}</pds:local_identifier> <pds:submitter_name>{1,1}</pds:submitter_name> <pds:definition>{1,1}</pds:definition> <pds:abstract_flag>{0,1}</pds:abstract_flag> <pds:element_flag>{0,1}</pds:element_flag> <pds:Internal_Reference>{0,unbounded}</pds:Internal_Reference> <pds:DD_Association>{1,1}</pds:DD_Association> <pds:DD_Association_External>{1,1}</pds:DD_Association_External> <pds:Terminological_Entry>{0,unbounded}</pds:Terminological_Entry> </pds:DD_Class></pre>						
Source	<pre><xs:element name="DD_Class" type="pds:DD_Class" minOccurs="0" maxOccurs="unbounded"> </xs:element></pre>						

Element pds:DD_Class / pds:name

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram	<p>The name attribute provides a word or combination of words by which the Agency is known.</p>						
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:UTF8_Short_String_Collapsed pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<code><xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:DD_Class / pds:version_id

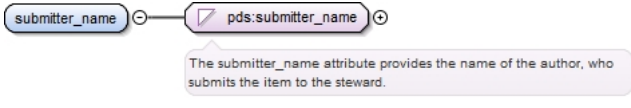
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The version_id attribute provides the version of the product, expressed in the PDS [m.n] notation.</p>						
Type	pds:version_id						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:version_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>(\p{IsBasicLatin}*) & (([0-9]+)(\.)?){1}([0-9]+)</td> </tr> </table>	minLength	1	maxLength	255	pattern	(\p{IsBasicLatin}*) & (([0-9]+)(\.)?){1}([0-9]+)
minLength	1						
maxLength	255						
pattern	(\p{IsBasicLatin}*) & (([0-9]+)(\.)?){1}([0-9]+)						
Source	<code><xs:element name="version_id" type="pds:version_id" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:DD_Class / pds:local_identifier

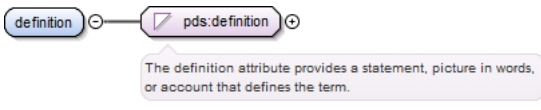
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The local_identifier attribute provides a character string which uniquely identifies the containing object within the...</p>						
Type	pds:local_identifier						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:local_identifier 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						

	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="local_identifier" type="pds:local_identifier" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>	


Element pds:DD_Class / pds:submitter_name

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:submitter_name	
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:submitter_name 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="submitter_name" type="pds:submitter_name" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>	

Element pds:DD_Class / pds:definition


Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:definition	
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:UTF8_Text_Preserved pds:definition 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
Source	<code><xs:element name="definition" type="pds:definition" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>	

Element pds:DD_Class / pds:abstract_flag

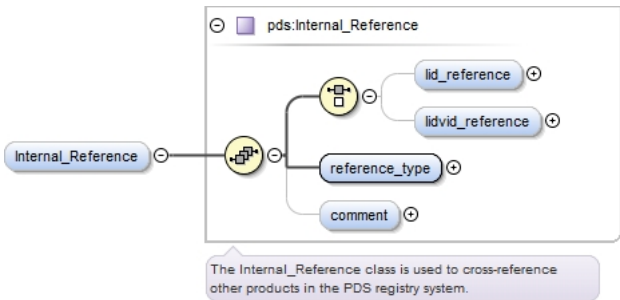
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:abstract_flag	
Type hierarchy	<ul style="list-style-type: none"> xs:boolean pds:ASCII_Boolean 	

	<ul style="list-style-type: none"> • pds:abstract_flag 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<pre><xs:element name="abstract_flag" type="pds:abstract_flag" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:DD_Class / pds:element_flag

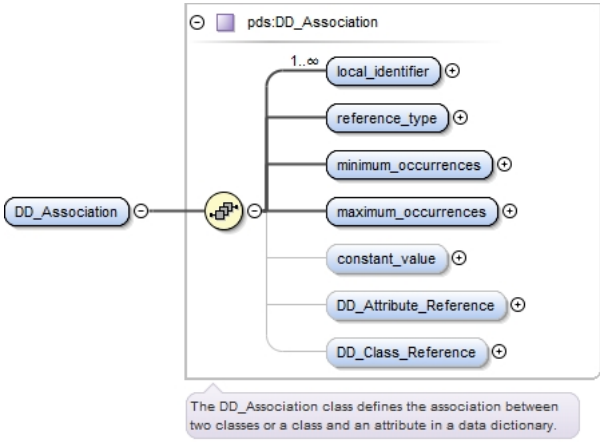
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:element_flag						
Type hierarchy	<ul style="list-style-type: none"> • xs:boolean • pds:ASCII_Boolean • pds:element_flag 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<pre><xs:element name="element_flag" type="pds:element_flag" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:DD_Class / pds:Internal_Reference


Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Internal_Reference						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	(pds:lid_reference{0,1} pds:lidvid_reference{0,1}), pds:reference_type, pds:comment{0,1}						
Children	pds:comment, pds:lid_reference, pds:lidvid_reference, pds:reference_type						
Instance	<pre><pds:Internal_Reference xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:lid_reference>{0,1}</pds:lid_reference> <pds:lidvid_reference>{0,1}</pds:lidvid_reference> <pds:reference_type>{1,1}</pds:reference_type> <pds:comment>{0,1}</pds:comment> </pds:Internal_Reference></pre>						
Source	<pre><xs:element name="Internal_Reference" type="pds:Internal_Reference" minOccurs="0" maxOccurs="unbounded"> </xs:element></pre>						

Element pds:DD_Class / pds:DD_Association

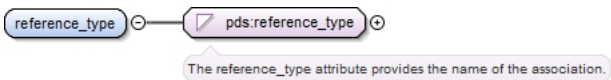
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram	
Type	pds:DD_Association
Properties	content: complex
Model	pds:local_identifier+, pds:reference_type, pds:minimum_occurrences, pds:maximum_occurrences, pds:constant_value{0,1}, pds:DD_Attribute_Reference{0,1}, pds:DD_Class_Reference{0,1}
Children	pds:DD_Attribute_Reference, pds:DD_Class_Reference, pds:constant_value, pds:local_identifier, pds:maximum_occurrences, pds:minimum_occurrences, pds:reference_type
Instance	<pre><pds:DD_Association xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:local_identifier>{1,unbounded}</pds:local_identifier> <pds:reference_type>{1,1}</pds:reference_type> <pds:minimum_occurrences>{1,1}</pds:minimum_occurrences> <pds:maximum_occurrences>{1,1}</pds:maximum_occurrences> <pds:constant_value>{0,1}</pds:constant_value> <pds:DD_Attribute_Reference>{0,1}</pds:DD_Attribute_Reference> <pds:DD_Class_Reference>{0,1}</pds:DD_Class_Reference> </pds:DD_Association></pre>
Source	<pre><xs:element name="DD_Association" type="pds:DD_Association"> </xs:element></pre>

Element pds:DD_Association / pds:local_identifier

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:local_identifier						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:local_identifier 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	unbounded
content:	simple						
minOccurs:	1						
maxOccurs:	unbounded						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="local_identifier" type="pds:local_identifier" minOccurs="1" maxOccurs="unbounded"> </xs:element></pre>						

Element pds:DD_Association / pds:reference_type

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	

Type	pds:reference_type						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:reference_type 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="reference_type" type="pds:reference_type" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:DD_Association / pds:minimum_occurrences

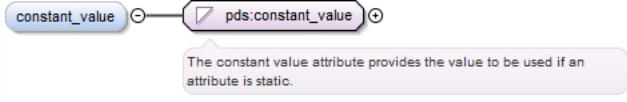
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:minimum_occurrences						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:minimum_occurrences 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="minimum_occurrences" type="pds:minimum_occurrences" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:DD_Association / pds:maximum_occurrences

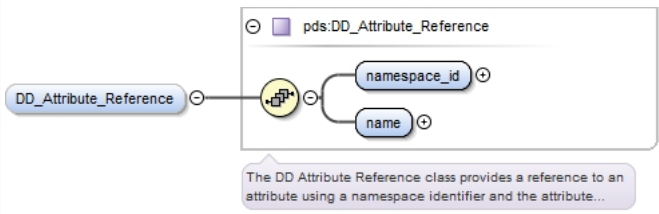
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:maximum_occurrences						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:maximum_occurrences 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="maximum_occurrences" type="pds:maximum_occurrences" minOccurs="1" maxOccurs="1"> </xs:element></code>						

</xs:element>

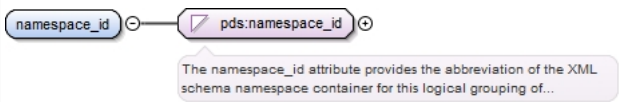
Element pds:DD_Association / pds:constant_value

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:constant_value						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:constant_value 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<xs:element name="constant_value" type="pds:constant_value" minOccurs="0" maxOccurs="1"></xs:element>						

Element pds:DD_Association / pds:DD_Attribute_Reference

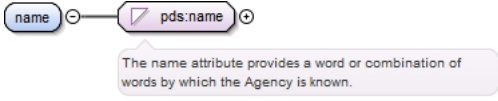
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:DD_Attribute_Reference						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:namespace_id , pds:name						
Children	pds:name, pds:namespace_id						
Instance	<pds:DD_Attribute_Reference xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"><pds:namespace_id>{1,1}</pds:namespace_id><pds:name>{1,1}</pds:name></pds:DD_Attribute_Reference>						
Source	<xs:element name="DD_Attribute_Reference" type="pds:DD_Attribute_Reference" minOccurs="0" maxOccurs="1"></xs:element>						

Element pds:DD_Attribute_Reference / pds:namespace_id

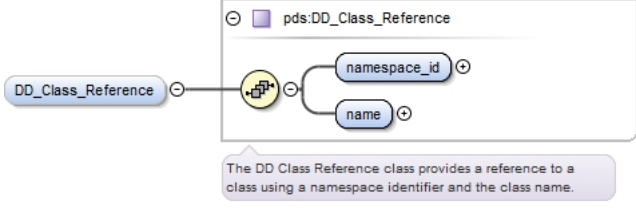
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:namespace_id
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed

	<ul style="list-style-type: none"> pds:namespace_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="namespace_id" type="pds:namespace_id" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:DD_Attribute_Reference / pds:name

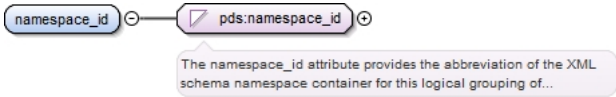
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:UTF8_Short_String_Collapsed pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<code><xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:DD_Association / pds:DD_Class_Reference

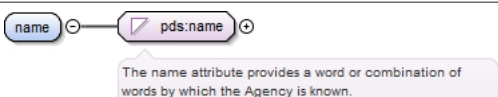
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:DD_Class_Reference						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:namespace_id , pds:name						
Children	pds:name, pds:namespace_id						
Instance	<code><pds:DD_Class_Reference xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:namespace_id>{1,1}</pds:namespace_id> <pds:name>{1,1}</pds:name> </pds:DD_Class_Reference></code>						
Source	<code><xs:element name="DD_Class_Reference" type="pds:DD_Class_Reference" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:DD_Class_Reference / pds:namespace_id

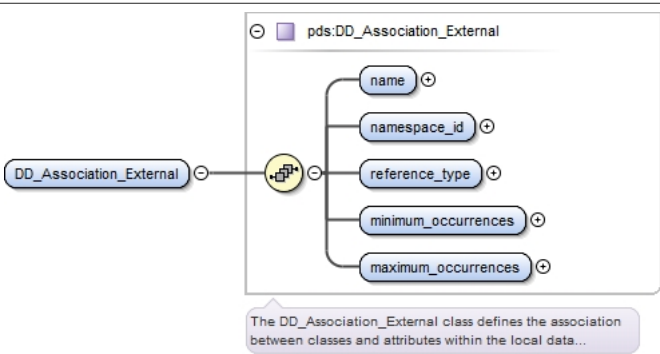
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:namespace_id						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:namespace_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="namespace_id" type="pds:namespace_id" minOccurs="1" maxOccurs="1" /></code>						

Element pds:DD_Class_Reference / pds:name

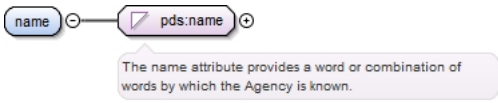
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:UTF8_Short_String_Collapsed pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<code><xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1" /></code>						

Element pds:DD_Class / pds:DD_Association_External

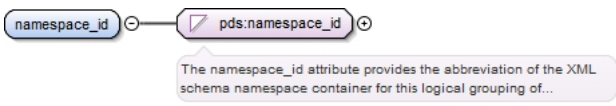
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:DD_Association_External
Properties	content: complex
Model	pds:name , pds:namespace_id , pds:reference_type , pds:minimum_occurrences , pds:maximum_occurrences

Children	pds:maximum_occurrences, pds:minimum_occurrences, pds:name, pds:namespace_id, pds:reference_type
Instance	<pre><pds:DD_Association_External xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{1,1}</pds:name> <pds:namespace_id>{1,1}</pds:namespace_id> <pds:reference_type>{1,1}</pds:reference_type> <pds:minimum_occurrences>{1,1}</pds:minimum_occurrences> <pds:maximum_occurrences>{1,1}</pds:maximum_occurrences> </pds:DD_Association_External></pre>
Source	<pre><xs:element name="DD_Association_External" type="pds:DD_Association_External"> </xs:element></pre>

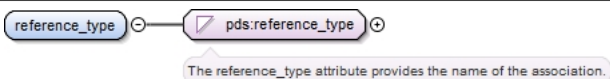
Element pds:DD_Association_External / pds:name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:UTF8_Short_String_Collapsed pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<pre><xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:DD_Association_External / pds:namespace_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:namespace_id						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:namespace_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="namespace_id" type="pds:namespace_id" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:DD_Association_External / pds:reference_type

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	

Type	pds:reference_type						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:reference_type 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="reference_type" type="pds:reference_type" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:DD_Association_External / pds:minimum_occurrences

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:minimum_occurrences						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:minimum_occurrences 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="minimum_occurrences" type="pds:minimum_occurrences" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:DD_Association_External / pds:maximum_occurrences

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:maximum_occurrences						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:maximum_occurrences 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="maximum_occurrences" type="pds:maximum_occurrences" minOccurs="1" maxOccurs="1"> </xs:element></code>						

</xs:element>

Element pds:DD_Class / pds:Terminological_Entry

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Terminological_Entry						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	pds:name , pds:definition , pds:language , pds:preferred_flag , pds:instance_id{0,1} , pds:External_Reference_Extended*						
Children	pds:External_Reference_Extended, pds:definition, pds:instance_id, pds:language, pds:name, pds:preferred_flag						
Instance	<pre><pds:Terminological_Entry xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{1,1}</pds:name> <pds:definition>{1,1}</pds:definition> <pds:language>{1,1}</pds:language> <pds:preferred_flag>{1,1}</pds:preferred_flag> <pds:instance_id>{0,1}</pds:instance_id> <pds:External_Reference_Extended>{0,unbounded}</pds:External_Reference_Extended> </pds:Terminological_Entry></pre>						
Source	<pre><xs:element name="Terminological_Entry" type="pds:Terminological_Entry" minOccurs="0" maxOccurs="unbounded"> </xs:element></pre>						

Element pds:Ingest_LDD / pds:DD_Rule

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:DD_Rule						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	pds:local_identifier , pds:rule_context , pds:rule_assign* , pds:DD_Attribute_Reference{0,1} , pds:DD_Class_Reference{0,1} , pds:DD_Rule_Statement+						

Children	pds:DD_Attribute_Reference, pds:DD_Class_Reference, pds:DD_Rule_Statement, pds:local_identifier, pds:rule_assign, pds:rule_context
Instance	<pre><pds:DD_Rule xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:local_identifier>{1,1}</pds:local_identifier> <pds:rule_context>{1,1}</pds:rule_context> <pds:rule_assign>{0,unbounded}</pds:rule_assign> <pds:DD_Attribute_Reference>{0,1}</pds:DD_Attribute_Reference> <pds:DD_Class_Reference>{0,1}</pds:DD_Class_Reference> <pds:DD_Rule_Statement>{1,unbounded}</pds:DD_Rule_Statement> </pds:DD_Rule></pre>
Source	<pre><xs:element name="DD_Rule" type="pds:DD_Rule" minOccurs="0" maxOccurs="unbounded"> </xs:element></pre>

Element pds:DD_Rule / pds:local_identifier

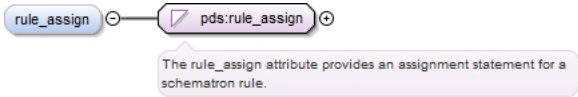
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:local_identifier						
Type hierarchy	<ul style="list-style-type: none"> xs:token <ul style="list-style-type: none"> pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> pds:local_identifier 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="local_identifier" type="pds:local_identifier" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:DD_Rule / pds:rule_context

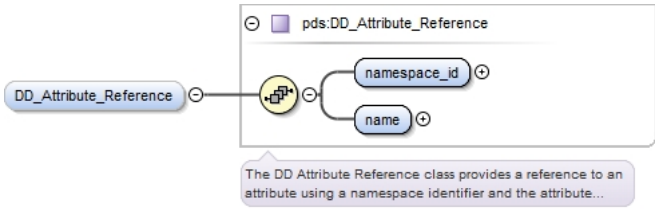
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:rule_context						
Type hierarchy	<ul style="list-style-type: none"> xs:token <ul style="list-style-type: none"> pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> pds:rule_context 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="rule_context" type="pds:rule_context" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:DD_Rule / pds:rule_assign

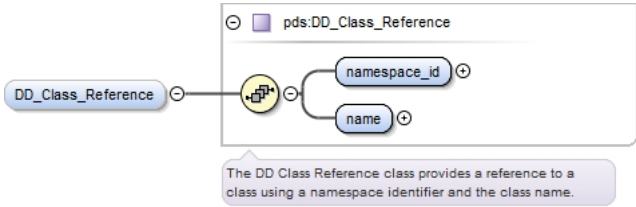
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:rule_assign						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:rule_assign 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	unbounded
content:	simple						
minOccurs:	0						
maxOccurs:	unbounded						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>maxLength</td><td>255</td></tr> <tr><td>pattern</td><td>\p{IsBasicLatin}*</td></tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="rule_assign" type="pds:rule_assign" minOccurs="0" maxOccurs="unbounded"></xs:element></code>						

Element pds:DD_Rule / pds:DD_Attribute_Reference

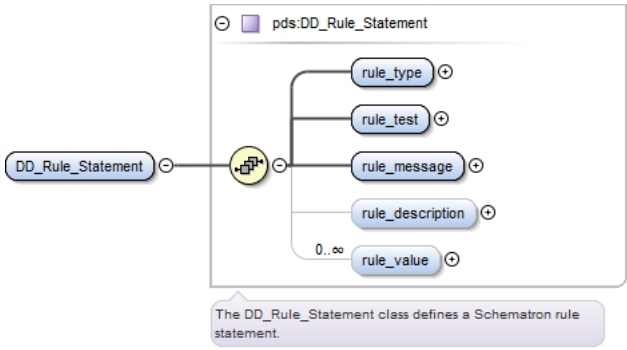
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:DD_Attribute_Reference						
Properties	<table border="1"> <tr><td>content:</td><td>complex</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:namespace_id , pds:name						
Children	pds:name, pds:namespace_id						
Instance	<code><pds:DD_Attribute_Reference xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"><pds:namespace_id{1,1}</pds:namespace_id><pds:name>{1,1}</pds:name></pds:DD_Attribute_Reference></code>						
Source	<code><xs:element name="DD_Attribute_Reference" type="pds:DD_Attribute_Reference" minOccurs="0" maxOccurs="1"></xs:element></code>						

Element pds:DD_Rule / pds:DD_Class_Reference

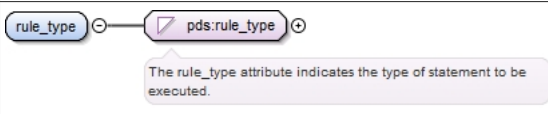
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:DD_Class_Reference						
Properties	<table border="1"> <tr><td>content:</td><td>complex</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						

Model	pds:namespace_id , pds:name
Children	pds:name, pds:namespace_id
Instance	<pre><pds:DD_Class_Reference xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:namespace_id>{1,1}</pds:namespace_id> <pds:name>{1,1}</pds:name> </pds:DD_Class_Reference></pre>
Source	<pre><xs:element name="DD_Class_Reference" type="pds:DD_Class_Reference" minOccurs="0" maxOccurs="1"> </xs:element></pre>

Element pds:DD_Rule / pds:DD_Rule_Statement

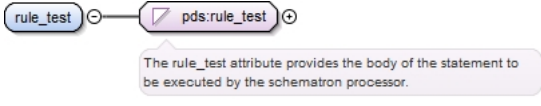
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:DD_Rule_Statement						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	pds:rule_type , pds:rule_test , pds:rule_message , pds:rule_description{0,1} , pds:rule_value*						
Children	pds:rule_description, pds:rule_message, pds:rule_test, pds:rule_type, pds:rule_value						
Instance	<pre><pds:DD_Rule_Statement xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:rule_type>{1,1}</pds:rule_type> <pds:rule_test>{1,1}</pds:rule_test> <pds:rule_message>{1,1}</pds:rule_message> <pds:rule_description>{0,1}</pds:rule_description> <pds:rule_value>{0,unbounded}</pds:rule_value> </pds:DD_Rule_Statement></pre>						
Source	<pre><xs:element name="DD_Rule_Statement" type="pds:DD_Rule_Statement" minOccurs="1" maxOccurs="unbounded"> </xs:element></pre>						

Element pds:DD_Rule_Statement / pds:rule_type

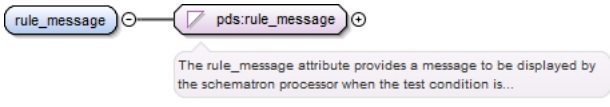
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:rule_type						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:rule_type 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						

Source	<pre><xs:element name="rule_type" type="pds:rule_type" minOccurs="1" maxOccurs="1"> </xs:element></pre>
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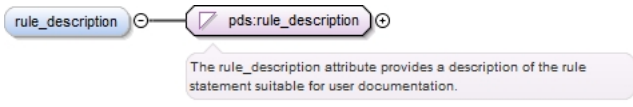
Element pds:DD_Rule_Statement / pds:rule_test

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:rule_test						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:rule_test 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>1</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>maxLength</td><td>255</td></tr> <tr><td>pattern</td><td>\p{IsBasicLatin}*</td></tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="rule_test" type="pds:rule_test" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:DD_Rule_Statement / pds:rule_message

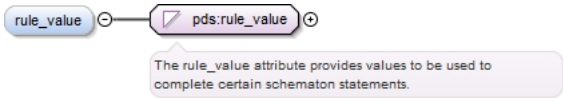
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:rule_message						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:rule_message 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>1</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>maxLength</td><td>255</td></tr> <tr><td>pattern</td><td>\p{IsBasicLatin}*</td></tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="rule_message" type="pds:rule_message" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:DD_Rule_Statement / pds:rule_description

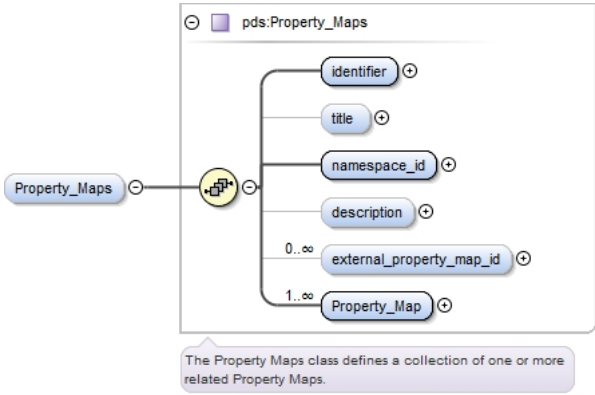
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:rule_description
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed

	<ul style="list-style-type: none"> • pds:rule_description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<xs:element name="rule_description" type="pds:rule_description" minOccurs="0" maxOccurs="1"></xs:element>						

Element pds:DD_Rule_Statement / pds:rule_value


Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:rule_value						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:rule_value 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	unbounded
content:	simple						
minOccurs:	0						
maxOccurs:	unbounded						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<xs:element name="rule_value" type="pds:rule_value" minOccurs="0" maxOccurs="unbounded"></xs:element>						

Element pds:Ingest_LDD / pds:Property_Maps

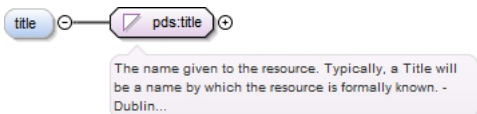
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Property_Maps						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	pds:identifier , pds:title{0,1} , pds:namespace_id , pds:description{0,1} , pds:external_property_map_id* , pds:Property_Map+						
Children	pds:Property_Map, pds:description, pds:external_property_map_id, pds:identifier, pds:namespace_id, pds:title						
Instance	<pds:Property_Maps xmlns:pds="http://pds.nasa.gov/pds4/pds/v1">						

	<pre><pds:identifier>{1,1}</pds:identifier> <pds:title>{0,1}</pds:title> <pds:namespace_id>{1,1}</pds:namespace_id> <pds:description>{0,1}</pds:description> <pds:external_property_map_id>{0,unbounded}</pds:external_property_map_id> <pds:Property_Map>{1,unbounded}</pds:Property_Map> </pds:Property_Maps></pre>
Source	<pre><xs:element name="Property_Maps" type="pds:Property_Maps" minOccurs="0" maxOccurs="unbounded"> </xs:element></pre>


Element pds:Property_Maps / pds:identifier

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:identifier						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:identifier 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>1</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>maxLength</td><td>255</td></tr> <tr><td>pattern</td><td>\p{IsBasicLatin}*</td></tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="identifier" type="pds:identifier" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Property_Maps / pds:title

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:title						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:UTF8_Short_String_Collapsed • pds:title 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>maxLength</td><td>255</td></tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<pre><xs:element name="title" type="pds:title" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Property_Maps / pds:namespace_id

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	

Type	pds:namespace_id						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:namespace_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="namespace_id" type="pds:namespace_id" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Property_Maps / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:UTF8_Text_Preserved pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<code><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Property_Maps / pds:external_property_map_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:external_property_map_id						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:external_property_map_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	unbounded
content:	simple						
minOccurs:	0						
maxOccurs:	unbounded						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="external_property_map_id" type="pds:external_property_map_id" minOccurs="0" maxOccurs="unbounded"> </xs:element></code>						

Element pds:Property_Maps / pds:Property_Map

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Property_Map						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	pds:identifier{0,1} , pds:title{0,1} , pds:model_object_id , pds:model_object_type , pds:instance_id* , pds:external_namespace_id* , pds:description{0,1} , pds:Property_Map_Entry+						
Children	pds:Property_Map_Entry, pds:description, pds:external_namespace_id, pds:identifier, pds:instance_id, pds:model_object_id, pds:model_object_type, pds:title						
Instance	<pre><pds:Property_Map xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:identifier>{0,1}</pds:identifier> <pds:title>{0,1}</pds:title> <pds:model_object_id>{1,1}</pds:model_object_id> <pds:model_object_type>{1,1}</pds:model_object_type> <pds:instance_id>{0,unbounded}</pds:instance_id> <pds:external_namespace_id>{0,unbounded}</pds:external_namespace_id> <pds:description>{0,1}</pds:description> <pds:Property_Map_Entry>{1,unbounded}</pds:Property_Map_Entry> </pds:Property_Map></pre>						
Source	<xs:element name="Property_Map" type="pds:Property_Map" minOccurs="1" maxOccurs="unbounded"></xs:element>						

Element pds:Property_Map / pds:identifier

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:identifier						
Type hierarchy	<ul style="list-style-type: none"> xs:token <ul style="list-style-type: none"> pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> pds:identifier 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<xs:element name="identifier" type="pds:identifier" minOccurs="0" maxOccurs="1">						

</xs:element>

Element pds:Property_Map / pds:title

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The name given to the resource. Typically, a Title will be a name by which the resource is formally known. - Dublin...</p>						
Type	pds:title						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:UTF8_Short_String_Collapsed pds:title 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<pre><xs:element name="title" type="pds:title" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Property_Map / pds:model_object_id

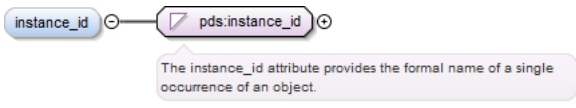
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The model_object_id attribute provides the unique identifier of a class, attribute, or value that is defined in the...</p>						
Type	pds:model_object_id						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:model_object_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="model_object_id" type="pds:model_object_id" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Property_Map / pds:model_object_type

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	<p>The model_object_type attribute provides a classification for a modeled object.</p>
Type	pds:model_object_type
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:model_object_type

Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="model_object_type" type="pds:model_object_type" minOccurs="1" maxOccurs="1"> </xs:element></code>	

Element pds:Property_Map / pds:instance_id

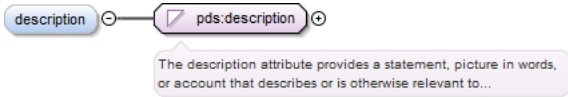
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:instance_id	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:instance_id 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	unbounded
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="instance_id" type="pds:instance_id" minOccurs="0" maxOccurs="unbounded"> </xs:element></code>	

Element pds:Property_Map / pds:external_namespace_id

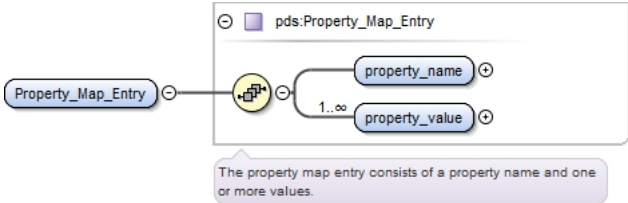
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:external_namespace_id	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:external_namespace_id 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	unbounded
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="external_namespace_id" type="pds:external_namespace_id" minOccurs="0" maxOccurs="unbounded"> </xs:element></code>	

Element pds:Property_Map / pds:description

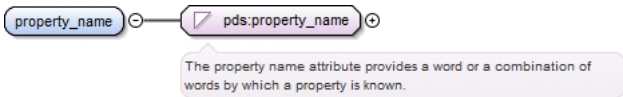
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<pre><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Property_Map / pds:Property_Map_Entry

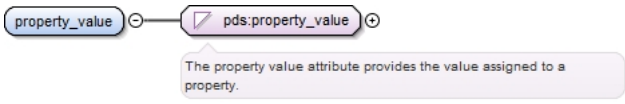
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Property_Map_Entry						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	pds:property_name , pds:property_value+						
Children	pds:property_name, pds:property_value						
Instance	<pre><pds:Property_Map_Entry xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:property_name>{1,1}</pds:property_name> <pds:property_value>{1,unbounded}</pds:property_value> </pds:Property_Map_Entry></pre>						
Source	<pre><xs:element name="Property_Map_Entry" type="pds:Property_Map_Entry" minOccurs="1" maxOccurs="unbounded"> </xs:element></pre>						

Element pds:Property_Map_Entry / pds:property_name

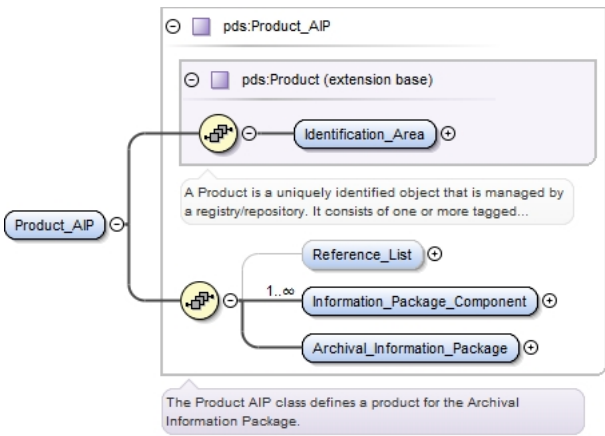
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:property_name						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:property_name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						

	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="property_name" type="pds:property_name" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>	

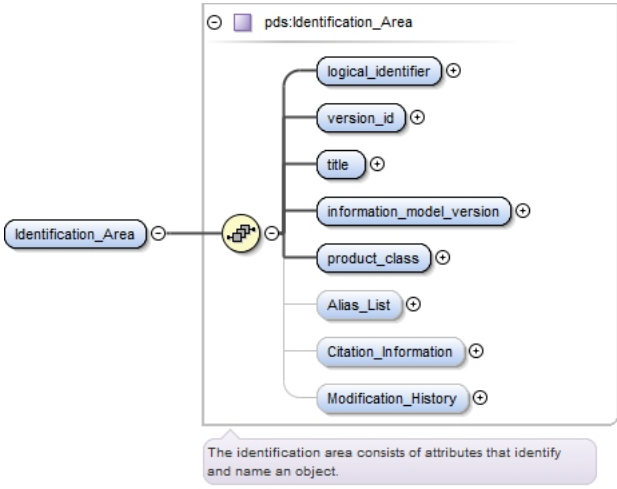
Element pds:Property_Map_Entry / pds:property_value

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:property_value	
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Text_Preserved pds:property_value 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	unbounded
Facets	minLength	1
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="property_value" type="pds:property_value" minOccurs="1" maxOccurs="unbounded"></code> <code></xs:element></code>	

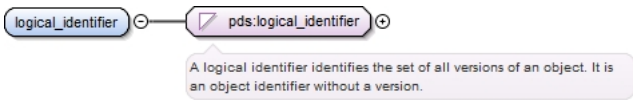
Element pds:Product_AIP

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:Product_AIP	
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_AIP 	
Properties	content:	complex
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:Information_Package_Component+ , pds:Archival_Information_Package	
Children	pds:Archival_Information_Package, pds:Identification_Area, pds:Information_Package_Component, pds:Reference_List	
Instance	<pre><pds:Product_AIP xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Identification_Area>{1,1}</pds:Identification_Area> <pds:Reference_List>{0,1}</pds:Reference_List> <pds:Information_Package_Component>{1,unbounded}</pds:Information_Package_Component> <pds:Archival_Information_Package>{1,1}</pds:Archival_Information_Package> </pds:Product_AIP></pre>	
Source	<code><xs:element name="Product_AIP" type="pds:Product_AIP"></code> <code></xs:element></code>	

Element pds:Product / pds:Identification_Area

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Identification_Area						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:logical_identifier , pds:version_id , pds:title , pds:information_model_version , pds:product_class , pds:Alias_List{0,1} , pds:Citation_Information{0,1} , pds:Modification_History{0,1}						
Children	pds:Alias_List, pds:Citation_Information, pds:Modification_History, pds:information_model_version, pds:logical_identifier, pds:product_class, pds:title, pds:version_id						
Instance	<pre><pds:Identification_Area xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:logical_identifier>{1,1}</pds:logical_identifier> <pds:version_id>{1,1}</pds:version_id> <pds:title>{1,1}</pds:title> <pds:information_model_version>{1,1}</pds:information_model_version> <pds:product_class>{1,1}</pds:product_class> <pds:Alias_List>{0,1}</pds:Alias_List> <pds:Citation_Information>{0,1}</pds:Citation_Information> <pds:Modification_History>{0,1}</pds:Modification_History> </pds:Identification_Area></pre>						
Source	<xs:element name="Identification_Area" type="pds:Identification_Area" minOccurs="1" maxOccurs="1"></xs:element>						

Element pds:Identification_Area / pds:logical_identifier

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:logical_identifier						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:logical_identifier 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						

Source	<pre><xs:element name="logical_identifier" type="pds:logical_identifier" minOccurs="1" maxOccurs="1"> </xs:element></pre>
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Element pds:Identification_Area / pds:version_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The diagram shows a blue box labeled 'version_id' connected by a line to a purple box labeled 'pds:version_id'. A callout box points to the purple box with the text: "The version_id attribute provides the version of the product, expressed in the PDS [m.n] notation."</p>						
Type	pds:version_id						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:version_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>(\p{IsBasicLatin}*) & (([0-9]+)(\.)?{1}([0-9]+))</td> </tr> </table>	minLength	1	maxLength	255	pattern	(\p{IsBasicLatin}*) & (([0-9]+)(\.)?{1}([0-9]+))
minLength	1						
maxLength	255						
pattern	(\p{IsBasicLatin}*) & (([0-9]+)(\.)?{1}([0-9]+))						
Source	<pre><xs:element name="version_id" type="pds:version_id" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Identification_Area / pds:title

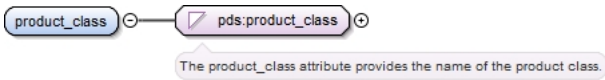
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The diagram shows a blue box labeled 'title' connected by a line to a purple box labeled 'pds:title'. A callout box points to the purple box with the text: "The name given to the resource. Typically, a Title will be a name by which the resource is formally known. - Dublin..."</p>						
Type	pds:title						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:UTF8_Short_String_Collapsed • pds:title 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<pre><xs:element name="title" type="pds:title" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Identification_Area / pds:information_model_version

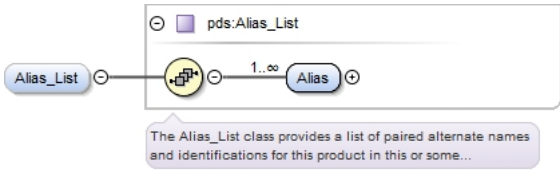
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	<p>The diagram shows a blue box labeled 'information_model_version' connected by a line to a purple box labeled 'pds:information_model_version'. A callout box points to the purple box with the text: "The information_model_version attribute provides the version identification of the PDS Information Model on which the..."</p>
Type	pds:information_model_version
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed

	<ul style="list-style-type: none"> • pds:information_model_version 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="information_model_version" type="pds:information_model_version" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Identification_Area / pds:product_class

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:product_class						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:product_class 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="product_class" type="pds:product_class" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Identification_Area / pds:Alias_List

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Alias_List						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:Alias+						
Children	pds:Alias						
Instance	<pre><pds:Alias_List xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Alias>{1,unbounded}</pds:Alias> </pds:Alias_List></pre>						
Source	<pre><xs:element name="Alias_List" type="pds:Alias_List" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Alias_List / pds:Alias

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:Alias						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	pds:alternate_id{0,1} , pds:alternate_title{0,1} , pds:comment{0,1}						
Children	pds:alternate_id, pds:alternate_title, pds:comment						
Instance	<pre><pds:Alias xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:alternate_id{0,1}</pds:alternate_id> <pds:alternate_title{0,1}</pds:alternate_title> <pds:comment{0,1}</pds:comment> </pds:Alias></pre>						
Source	<pre><xs:element name="Alias" type="pds:Alias" minOccurs="1" maxOccurs="unbounded"> </xs:element></pre>						

Element pds:Alias / pds:alternate_id

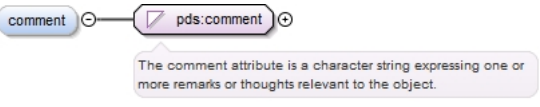
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:alternate_id						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:alternate_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{[IsBasicLatin]}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{[IsBasicLatin]}*
minLength	1						
maxLength	255						
pattern	\p{[IsBasicLatin]}*						
Source	<pre><xs:element name="alternate_id" type="pds:alternate_id" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Alias / pds:alternate_title

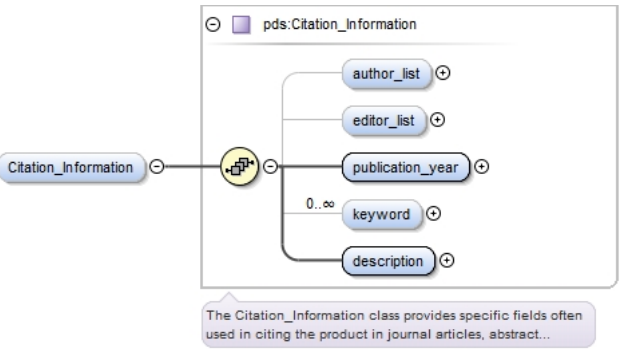
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:alternate_title		
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:alternate_title 		
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> </table>	content:	simple
content:	simple		

	minOccurs: 0
	maxOccurs: 1
Facets	minLength 1
	maxLength 255
	pattern \p{IsBasicLatin}*
Source	<code><xs:element name="alternate_title" type="pds:alternate_title" minOccurs="0" maxOccurs="1"> </xs:element></code>

Element pds:Alias / pds:comment

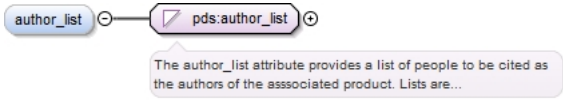
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	 <p>The comment attribute is a character string expressing one or more remarks or thoughts relevant to the object.</p>						
Type	pds:comment						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Text_Preserved pds:comment 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*		
minLength	1						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="comment" type="pds:comment" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Identification_Area / pds:Citation_Information

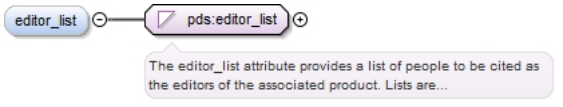
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	 <p>The Citation_Information class provides specific fields often used in citing the product in journal articles, abstract...</p>						
Type	pds:Citation_Information						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:author_list{0,1} , pds:editor_list{0,1} , pds:publication_year , pds:keyword* , pds:description						
Children	pds:author_list, pds:description, pds:editor_list, pds:keyword, pds:publication_year						
Instance	<code><pds:Citation_Information xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:author_list>{0,1}</pds:author_list> <pds:editor_list>{0,1}</pds:editor_list> <pds:publication_year>{1,1}</pds:publication_year> <pds:keyword>{0,unbounded}</pds:keyword> <pds:description>{1,1}</pds:description> </pds:Citation_Information></code>						
Source	<code><xs:element name="Citation_Information" type="pds:Citation_Information" minOccurs="0" maxOccurs="1"></code>						

</xs:element>

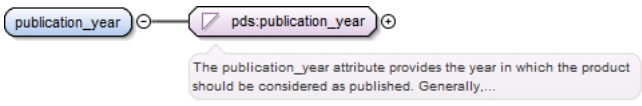
Element pds:Citation_Information / pds:author_list

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:author_list						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:author_list 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<pre><xs:element name="author_list" type="pds:author_list" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Citation_Information / pds:editor_list

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:editor_list						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:editor_list 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<pre><xs:element name="editor_list" type="pds:editor_list" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Citation_Information / pds:publication_year

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:publication_year						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Date_YMD • pds:publication_year 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						

Facets	<p>pattern</p> <pre>((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-)?[0-9] {4}-((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z?))</pre>
Source	<pre><xs:element name="publication_year" type="pds:publication_year" minOccurs="1" maxOccurs="1"> </xs:element></pre>

Element pds:Citation_Information / pds:keyword

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The keyword attribute provides one or more words to be used for keyword search.</p>						
Type	pds:keyword						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:UTF8_Short_String_Collapsed pds:keyword 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	unbounded
content:	simple						
minOccurs:	0						
maxOccurs:	unbounded						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<pre><xs:element name="keyword" type="pds:keyword" minOccurs="0" maxOccurs="unbounded"> </xs:element></pre>						

Element pds:Citation_Information / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to...</p>						
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:UTF8_Text_Preserved pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<pre><xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Identification_Area / pds:Modification_History

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	<p>The Modification_History class tracks the history of changes made to the product once it enters the registry system.</p>

Type	pds:Modification_History
Properties	content: complex
	minOccurs: 0
	maxOccurs: 1
Model	pds:Modification_Detail+
Children	pds:Modification_Detail
Instance	<code><pds:Modification_History xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Modification_Detail>{1,unbounded}</pds:Modification_Detail> </pds:Modification_History></code>
Source	<code><xs:element name="Modification_History" type="pds:Modification_History" minOccurs="0" maxOccurs="1"> </xs:element></code>

Element pds:Modification_History / pds:Modification_Detail

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	<p>The Modification_Detail class provides the details of one round of modification for the product. The first, required,...</p>
Type	pds:Modification_Detail
Properties	content: complex
	minOccurs: 1
	maxOccurs: unbounded
Model	pds:modification_date , pds:version_id , pds:description
Children	pds:description, pds:modification_date, pds:version_id
Instance	<code><pds:Modification_Detail xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:modification_date>{1,1}</pds:modification_date> <pds:version_id>{1,1}</pds:version_id> <pds:description>{1,1}</pds:description> </pds:Modification_Detail></code>
Source	<code><xs:element name="Modification_Detail" type="pds:Modification_Detail" minOccurs="1" maxOccurs="unbounded"> </xs:element></code>

Element pds:Modification_Detail / pds:modification_date

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	<p>The modification_date attribute provides date the modifications were completed</p>
Type	pds:modification_date
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Date_YMD pds:modification_date
Properties	content: simple
	minOccurs: 1
	maxOccurs: 1
Facets	<p>pattern</p> <pre>((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-)?[0-9] {4}-((0[1-9]) (1[0-2]))-</pre>

	((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z?)
Source	<xs:element name="modification_date" type="pds:modification_date" minOccurs="1" maxOccurs="1"> </xs:element>

Element pds:Modification_Detail / pds:version_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:version_id						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:version_id 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>1</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>maxLength</td><td>255</td></tr> <tr><td>pattern</td><td>(\p{IsBasicLatin}*) & (([0-9]+)(\.)?{1}([0-9]+))</td></tr> </table>	minLength	1	maxLength	255	pattern	(\p{IsBasicLatin}*) & (([0-9]+)(\.)?{1}([0-9]+))
minLength	1						
maxLength	255						
pattern	(\p{IsBasicLatin}*) & (([0-9]+)(\.)?{1}([0-9]+))						
Source	<xs:element name="version_id" type="pds:version_id" minOccurs="1" maxOccurs="1"> </xs:element>						

Element pds:Modification_Detail / pds:description

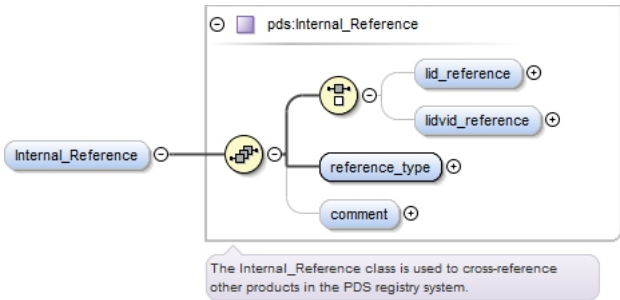
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>1</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> </table>	minLength	1				
minLength	1						
Source	<xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element>						

Element pds:Product_AIP / pds:Reference_List

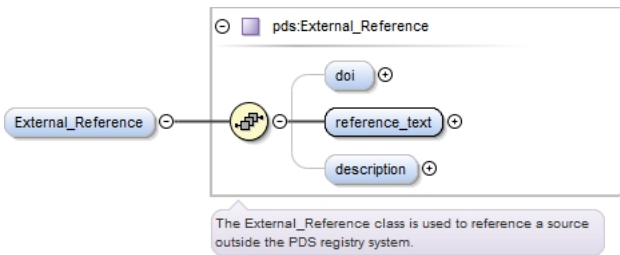
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	

Type	pds:Reference_List
Properties	content: complex
	minOccurs: 0
	maxOccurs: 1
Model	pds:Internal_Reference*, pds:External_Reference*
Children	pds:External_Reference, pds:Internal_Reference
Instance	<pre><pds:Reference_List xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Internal_Reference>{0,unbounded}</pds:Internal_Reference> <pds:External_Reference>{0,unbounded}</pds:External_Reference> </pds:Reference_List></pre>
Source	<pre><xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element></pre>

Element pds:Reference_List / pds:Internal_Reference

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Internal_Reference
Properties	content: complex
	minOccurs: 0
	maxOccurs: unbounded
Model	(pds:lid_reference{0,1} pds:lidvid_reference{0,1}), pds:reference_type, pds:comment{0,1}
Children	pds:comment, pds:lid_reference, pds:lidvid_reference, pds:reference_type
Instance	<pre><pds:Internal_Reference xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:lid_reference>{0,1}</pds:lid_reference> <pds:lidvid_reference>{0,1}</pds:lidvid_reference> <pds:reference_type>{1,1}</pds:reference_type> <pds:comment>{0,1}</pds:comment> </pds:Internal_Reference></pre>
Source	<pre><xs:element name="Internal_Reference" type="pds:Internal_Reference" minOccurs="0" maxOccurs="unbounded"> </xs:element></pre>

Element pds:Reference_List / pds:External_Reference

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:External_Reference
Properties	content: complex
	minOccurs: 0
	maxOccurs: unbounded

Model	pds:doi{0,1} , pds:reference_text , pds:description{0,1}
Children	pds:description, pds:doi, pds:reference_text
Instance	<pre><pds:External_Reference xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:doi>{0,1}</pds:doi> <pds:reference_text>{1,1}</pds:reference_text> <pds:description>{0,1}</pds:description> </pds:External_Reference></pre>
Source	<pre><xs:element name="External_Reference" type="pds:External_Reference" minOccurs="0" maxOccurs="unbounded"> </xs:element></pre>

Element pds:Product_AIP / pds:Information_Package_Component

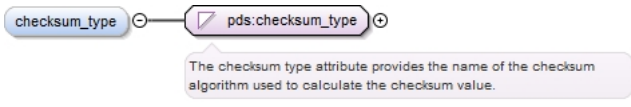
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Information_Package_Component						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	pds:checksum_manifest_checksum{0,1} , pds:checksum_type{0,1} , pds:transfer_manifest_checksum{0,1} , pds:Internal_Reference+, pds:File_Area_Checksum_Manifest{0,1} , pds:File_Area_Transfer_Manifest{0,1}						
Children	pds:File_Area_Checksum_Manifest, pds:File_Area_Transfer_Manifest, pds:Internal_Reference, pds:checksum_manifest_checksum, pds:checksum_type, pds:transfer_manifest_checksum						
Instance	<pre><pds:Information_Package_Component xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:checksum_manifest_checksum>{0,1}</pds:checksum_manifest_checksum> <pds:checksum_type>{0,1}</pds:checksum_type> <pds:transfer_manifest_checksum>{0,1}</pds:transfer_manifest_checksum> <pds:Internal_Reference>{1,unbounded}</pds:Internal_Reference> <pds:File_Area_Checksum_Manifest>{0,1}</pds:File_Area_Checksum_Manifest> <pds:File_Area_Transfer_Manifest>{0,1}</pds:File_Area_Transfer_Manifest> </pds:Information_Package_Component></pre>						
Source	<pre><xs:element name="Information_Package_Component" type="pds:Information_Package_Component" minOccurs="1" maxOccurs="unbounded"> </xs:element></pre>						

Element pds:Information_Package_Component / pds:checksum_manifest_checksum

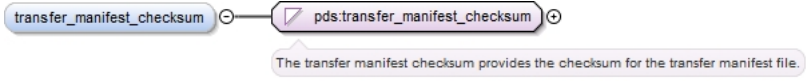
Namespace	http://pds.nasa.gov/pds4/pds/v1				
Diagram					
Type	pds:checksum_manifest_checksum				
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_MD5_Checksum pds:checksum_manifest_checksum 				
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				

	maxOccurs:	1
Facets	minLength	32
	maxLength	32
	pattern	(([0-9a-fA-F]{32})) & (([0-9a-fA-F]{32}))
Source	<code><xs:element name="checksum_manifest_checksum" type="pds:checksum_manifest_checksum" minOccurs="0" maxOccurs="1" > </xs:element></code>	

Element pds:Information_Package_Component / pds:checksum_type

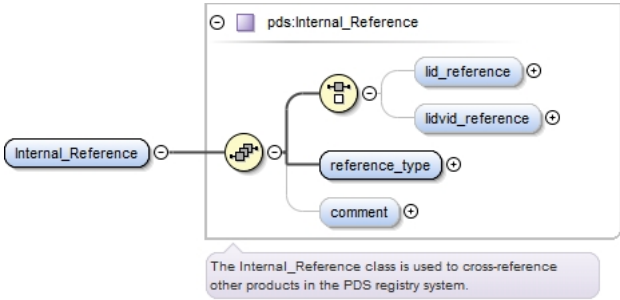
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:checksum_type	
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:checksum_type 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="checksum_type" type="pds:checksum_type" minOccurs="0" maxOccurs="1" > </xs:element></code>	

Element pds:Information_Package_Component / pds:transfer_manifest_checksum

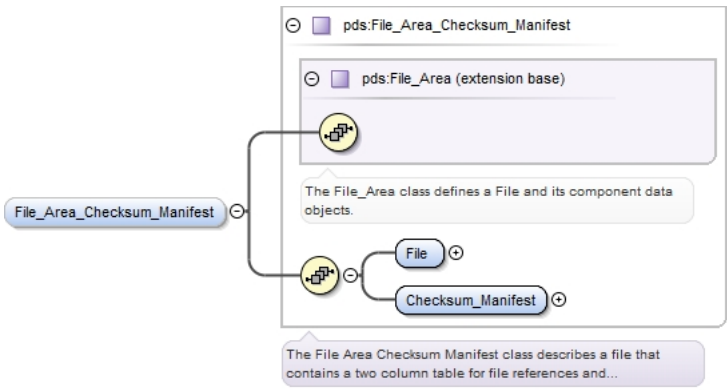
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:transfer_manifest_checksum	
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_MD5_Checksum pds:transfer_manifest_checksum 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	32
	maxLength	32
	pattern	(([0-9a-fA-F]{32})) & (([0-9a-fA-F]{32}))
Source	<code><xs:element name="transfer_manifest_checksum" type="pds:transfer_manifest_checksum" minOccurs="0" maxOccurs="1" > </xs:element></code>	

Element pds:Information_Package_Component / pds:Internal_Reference

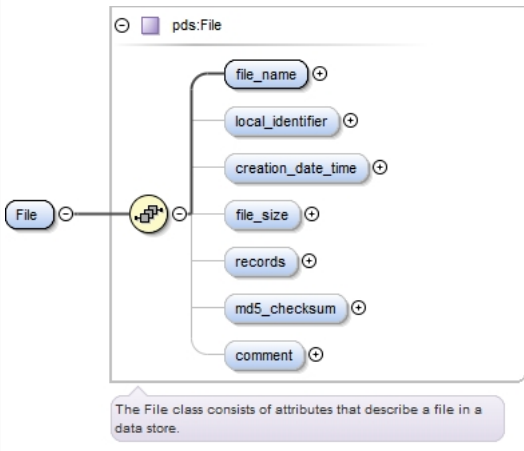
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:Internal_Reference						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	(pds:lid_reference{0,1} pds:lidvid_reference{0,1}), pds:reference_type, pds:comment{0,1}						
Children	pds:comment, pds:lid_reference, pds:lidvid_reference, pds:reference_type						
Instance	<pre><pds:Internal_Reference xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:lid_reference>{0,1}</pds:lid_reference> <pds:lidvid_reference>{0,1}</pds:lidvid_reference> <pds:reference_type>{1,1}</pds:reference_type> <pds:comment>{0,1}</pds:comment> </pds:Internal_Reference></pre>						
Source	<pre><xs:element name="Internal_Reference" type="pds:Internal_Reference" minOccurs="1" maxOccurs="unbounded"> </xs:element></pre>						

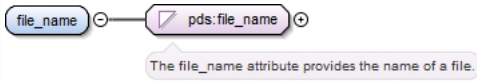
Element pds:Information_Package_Component / pds:File_Area_Checksum_Manifest

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:File_Area_Checksum_Manifest						
Type hierarchy	<ul style="list-style-type: none"> pds:File_Area pds:File_Area_Checksum_Manifest 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:File, pds:Checksum_Manifest						
Children	pds:Checksum_Manifest, pds:File						
Instance	<pre><pds:File_Area_Checksum_Manifest xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:File>{1,1}</pds:File> <pds:Checksum_Manifest>{1,1}</pds:Checksum_Manifest> </pds:File_Area_Checksum_Manifest></pre>						
Source	<pre><xs:element name="File_Area_Checksum_Manifest" type="pds:File_Area_Checksum_Manifest" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:File_Area_Checksum_Manifest / pds:File

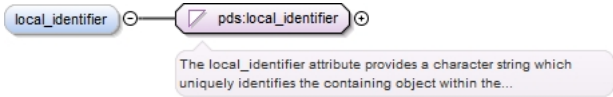
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:File						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:file_name , pds:local_identifier{0,1} , pds:creation_date_time{0,1} , pds:file_size{0,1} , pds:records{0,1} , pds:md5_checksum{0,1} , pds:comment{0,1}						
Children	pds:comment, pds:creation_date_time, pds:file_name, pds:file_size, pds:local_identifier, pds:md5_checksum, pds:records						
Instance	<pre><pds:File xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:file_name>{1,1}</pds:file_name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:creation_date_time>{0,1}</pds:creation_date_time> <pds:file_size unit="">{0,1}</pds:file_size> <pds:records>{0,1}</pds:records> <pds:md5_checksum>{0,1}</pds:md5_checksum> <pds:comment>{0,1}</pds:comment> </pds:File></pre>						
Source	<xs:element name="File" type="pds:File" minOccurs="1" maxOccurs="1"> </xs:element>						

Element pds:File / pds:file_name

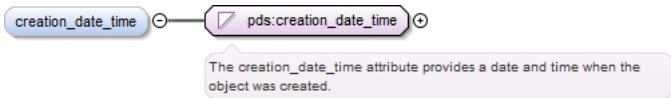
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:file_name						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> • pds:file_name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<xs:element name="file_name" type="pds:file_name" minOccurs="1" maxOccurs="1"> </xs:element>						

Element pds:File / pds:local_identifier

Namespace	http://pds.nasa.gov/pds4/pds/v1
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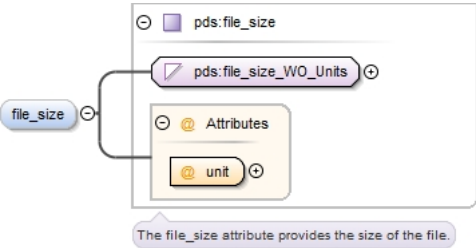
Diagram							
Type	pds:local_identifier						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:local_identifier 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"></xs:element>						

Element pds:File / pds:creation_date_time


Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:creation_date_time						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Date_Time_YMD • pds:creation_date_time 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>pattern</td> <td> <pre> ((-[0-9]{4}(Z?)) ((-[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-[0-9] {4}-((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1] [0-9]) (2[0-3]))(Z?)) ((-[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T) (([0-1][0-9]) (2[0-3])): [0-5][0-9](Z?)) ((-[0-] [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T) (([0-1][0-9]) (2[0-3])): [0-5][0-9]:(([0-5][0-9]) 60)(\.[0-9]{1,4}))? (Z?)) ((-[0-9]{4}- ((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)24(:00 :00:00)?(Z?)) ((-[0-] [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1])) (T)24:00:00(\.[0]{1,4})) (Z?)) ((-[0-9]{4}- </pre> </td> </tr> </table>	pattern	<pre> ((-[0-9]{4}(Z?)) ((-[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-[0-9] {4}-((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1] [0-9]) (2[0-3]))(Z?)) ((-[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T) (([0-1][0-9]) (2[0-3])): [0-5][0-9](Z?)) ((-[0-] [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T) (([0-1][0-9]) (2[0-3])): [0-5][0-9]:(([0-5][0-9]) 60)(\.[0-9]{1,4}))? (Z?)) ((-[0-9]{4}- ((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)24(:00 :00:00)?(Z?)) ((-[0-] [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1])) (T)24:00:00(\.[0]{1,4})) (Z?)) ((-[0-9]{4}- </pre>				
pattern	<pre> ((-[0-9]{4}(Z?)) ((-[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-[0-9] {4}-((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1] [0-9]) (2[0-3]))(Z?)) ((-[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T) (([0-1][0-9]) (2[0-3])): [0-5][0-9](Z?)) ((-[0-] [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T) (([0-1][0-9]) (2[0-3])): [0-5][0-9]:(([0-5][0-9]) 60)(\.[0-9]{1,4}))? (Z?)) ((-[0-9]{4}- ((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)24(:00 :00:00)?(Z?)) ((-[0-] [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1])) (T)24:00:00(\.[0]{1,4})) (Z?)) ((-[0-9]{4}- </pre>						

	((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z?)
Source	<xs:element name="creation_date_time" type="pds:creation_date_time" minOccurs="0" maxOccurs="1"> </xs:element>

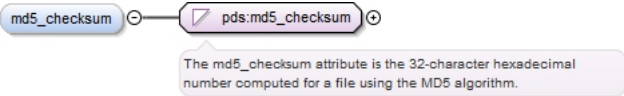
Element pds:File / pds:file_size

Namespace	http://pds.nasa.gov/pds4/pds/v1										
Diagram											
Type	pds:file_size										
Type hierarchy	<ul style="list-style-type: none"> • xs:nonNegativeInteger • pds:ASCII_NonNegative_Integer <ul style="list-style-type: none"> • pds:file_size_WO_Units • pds:file_size 										
Properties	content:	complex									
	minOccurs:	0									
	maxOccurs:	1									
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Storage</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		unit	pds:Units_of_Storage	required			
QName	Type	Use									
unit	pds:Units_of_Storage	required									
Source	<xs:element name="file_size" type="pds:file_size" minOccurs="0" maxOccurs="1"> </xs:element>										

Element pds:File / pds:records

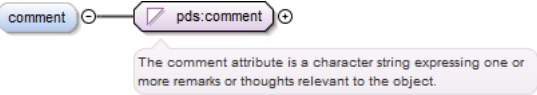
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:records		
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:records 		
Properties	content:	simple	
	minOccurs:	0	
	maxOccurs:	1	
Facets	minInclusive	1	
Source	<xs:element name="records" type="pds:records" minOccurs="0" maxOccurs="1"> </xs:element>		

Element pds:File / pds:md5_checksum

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			

Type	pds:md5_checksum						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_MD5_Checksum pds:md5_checksum 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>32</td> </tr> <tr> <td>maxLength</td> <td>32</td> </tr> <tr> <td>pattern</td> <td>(([0-9a-fA-F]{32}) & (([a-f0-9]{32})))</td> </tr> </table>	minLength	32	maxLength	32	pattern	(([0-9a-fA-F]{32}) & (([a-f0-9]{32})))
minLength	32						
maxLength	32						
pattern	(([0-9a-fA-F]{32}) & (([a-f0-9]{32})))						
Source	<code><xs:element name="md5_checksum" type="pds:md5_checksum" minOccurs="0" maxOccurs="1"> </xs:element></code>						

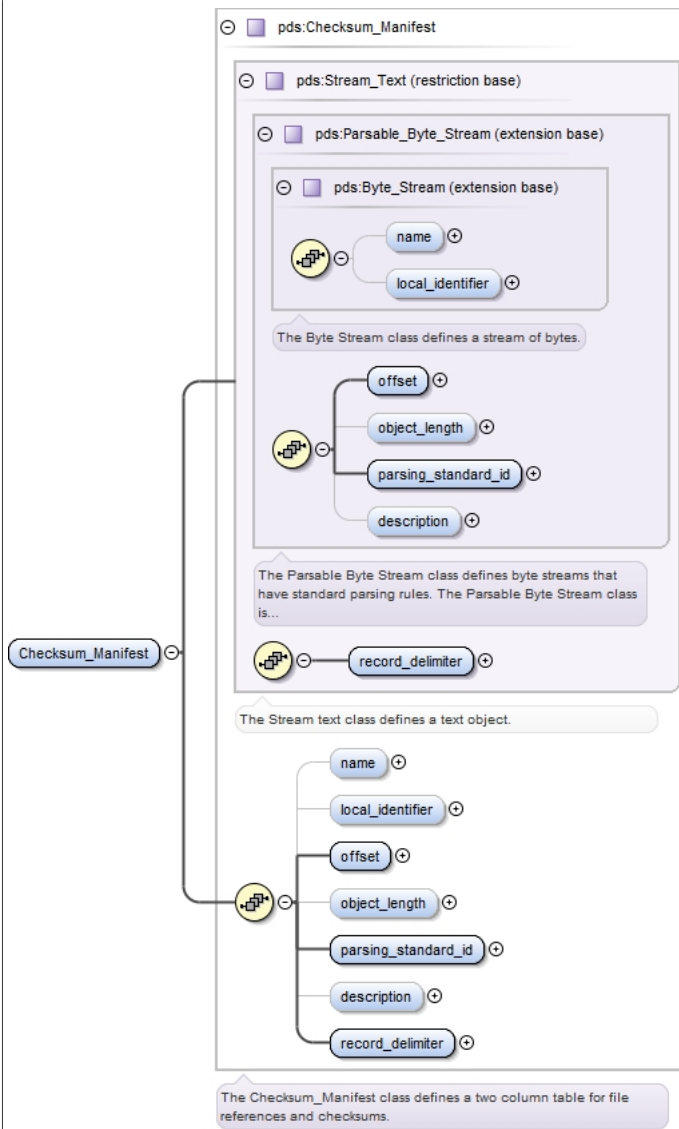
Element pds:File / pds:comment

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:comment						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Text_Preserved pds:comment 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*		
minLength	1						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="comment" type="pds:comment" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:File_Area_Checksum_Manifest / pds:Checksum_Manifest

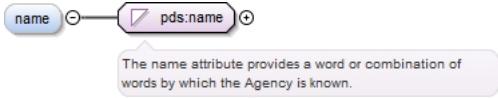
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram

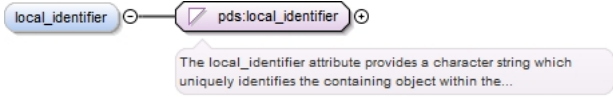


Type	pds:Checksum_Manifest						
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Parseable_Byte_Stream • pds:Stream_Text • pds:Checksum_Manifest 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:parsing_standard_id , pds:description{0,1} , pds:record_delimiter						
Children	pds:description, pds:local_identifier, pds:name, pds:object_length, pds:offset, pds:parsing_standard_id, pds:record_delimiter						
Instance	<pre><pds:Checksum_Manifest xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:object_length unit="">{0,1}</pds:object_length> <pds:parsing_standard_id>{1,1}</pds:parsing_standard_id> <pds:description>{0,1}</pds:description> <pds:record_delimiter>{1,1}</pds:record_delimiter> </pds:Checksum_Manifest></pre>						
Source	<pre><xs:element name="Checksum_Manifest" type="pds:Checksum_Manifest" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

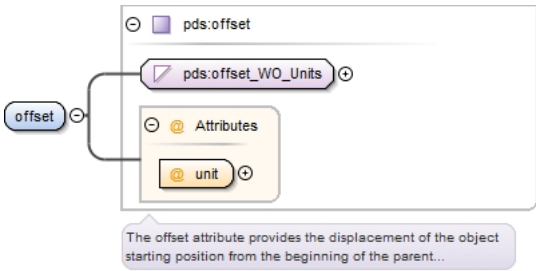
Element pds:Byte_Stream / pds:name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:UTF8_Short_String_Collapsed • pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<pre><xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Byte_Stream / pds:local_identifier

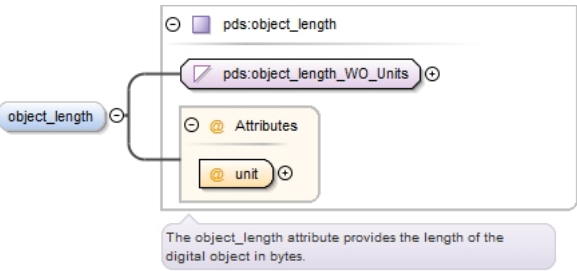
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:local_identifier						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:local_identifier 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Parsable_Byte_Stream / pds:offset

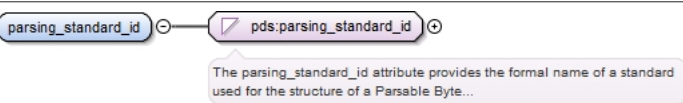
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:offset
Type hierarchy	<ul style="list-style-type: none"> • xs:integer

	<ul style="list-style-type: none"> • pds:ASCII_Integer • pds:offset_WO_Units • pds:offset 								
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1		
content:	complex								
minOccurs:	1								
maxOccurs:	1								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Storage</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		unit	pds:Units_of_Storage	required	
QName	Type	Use							
unit	pds:Units_of_Storage	required							
Source	<pre><xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1"> </xs:element></pre>								

Element pds:Parsable_Byte_Stream / pds:object_length

Namespace	http://pds.nasa.gov/pds4/pds/v1								
Diagram									
Type	pds:object_length								
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:object_length_WO_Units • pds:object_length 								
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1		
content:	complex								
minOccurs:	0								
maxOccurs:	1								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Storage</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		unit	pds:Units_of_Storage	required	
QName	Type	Use							
unit	pds:Units_of_Storage	required							
Source	<pre><xs:element name="object_length" type="pds:object_length" minOccurs="0" maxOccurs="1"> </xs:element></pre>								

Element pds:Parsable_Byte_Stream / pds:parsing_standard_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:parsing_standard_id						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:parsing_standard_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						

Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="parsing_standard_id" type="pds:parsing_standard_id" minOccurs="1" maxOccurs="1"> </xs:element></code>	

Element pds:Parsable_Byte_Stream / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:description	
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
Source	<code><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element></code>	

Element pds:Stream_Text / pds:record_delimiter


Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:record_delimiter	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:record_delimiter 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="record_delimiter" type="pds:record_delimiter" minOccurs="1" maxOccurs="1"> </xs:element></code>	

Element pds:Checksum_Manifest / pds:name

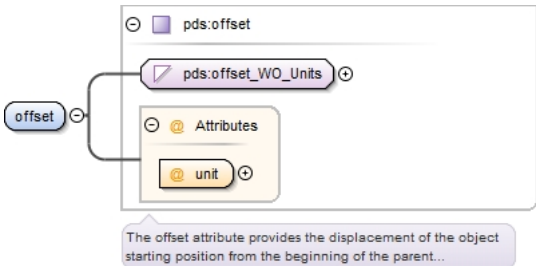
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:name	
Type hierarchy	<ul style="list-style-type: none"> • xs:token 	

	<ul style="list-style-type: none"> pds:UTF8_Short_String_Collapsed pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<code><xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:Checksum_Manifest / pds:local_identifier

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:local_identifier						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:local_identifier 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>						

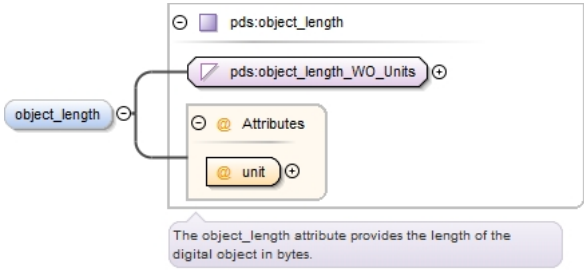
Element pds:Checksum_Manifest / pds:offset

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:offset						
Type hierarchy	<ul style="list-style-type: none"> xs:integer pds:ASCII_Integer pds:offset_WO_Units pds:offset 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						

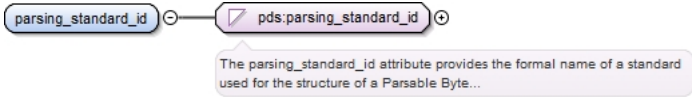
Attributes	QName	Type	Use
	unit	pds:Units_of_Storage	required

Source `<xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1">`
`</xs:element>`

Element pds:Checksum_Manifest / pds:object_length

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:object_length		
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer <ul style="list-style-type: none"> • pds:object_length_WO_Units • pds:object_length 		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Storage	required
Source	<code><xs:element name="object_length" type="pds:object_length" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>		

Element pds:Checksum_Manifest / pds:parsing_standard_id

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:parsing_standard_id		
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> • pds:parsing_standard_id 		
Properties	content:	simple	
	minOccurs:	1	
	maxOccurs:	1	
Facets	minLength	1	
	maxLength	255	
	pattern	\p{IsBasicLatin}*	
Source	<code><xs:element name="parsing_standard_id" type="pds:parsing_standard_id" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>		

Element pds:Checksum_Manifest / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1		
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Diagram	<p>The diagram shows a blue box labeled 'description' connected by a line to a purple box labeled 'pds:description'. A callout bubble points to 'pds:description' with the text: "The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to..."</p>						
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<pre><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Checksum_Manifest / pds:record_delimiter

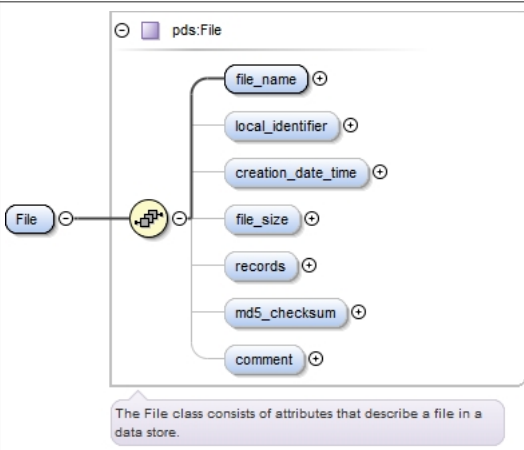
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The diagram shows a blue box labeled 'record_delimiter' connected by a line to a purple box labeled 'pds:record_delimiter'. A callout bubble points to 'pds:record_delimiter' with the text: "The record_delimiter attribute provides the character or characters used to indicate the end of a record."</p>						
Type	pds:record_delimiter						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:record_delimiter 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="record_delimiter" type="pds:record_delimiter" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Information_Package_Component / pds:File_Area_Transfer_Manifest

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	<p>The diagram shows a tree structure. At the top is a purple box labeled 'pds:File_Area_Transfer_Manifest'. Below it is another purple box labeled 'pds:File_Area (extension base)'. A callout bubble points to 'pds:File_Area' with the text: "The File_Area class defines a File and its component data objects." Below 'pds:File_Area' are two blue boxes: 'File' and 'Transfer_Manifest'. A callout bubble points to the 'File' and 'Transfer_Manifest' boxes with the text: "The File Area Transfer Manifest class describes a file that contains a two column table that maps the logical..."</p>
Type	pds:File_Area_Transfer_Manifest
Type hierarchy	<ul style="list-style-type: none"> • pds:File_Area

	<ul style="list-style-type: none"> • pds:File_Area_Transfer_Manifest 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:File , pds:Transfer_Manifest						
Children	pds:File, pds:Transfer_Manifest						
Instance	<pre><pds:File_Area_Transfer_Manifest xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:File>{1,1}</pds:File> <pds:Transfer_Manifest>{1,1}</pds:Transfer_Manifest> </pds:File_Area_Transfer_Manifest></pre>						
Source	<pre><xs:element name="File_Area_Transfer_Manifest" type="pds:File_Area_Transfer_Manifest" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

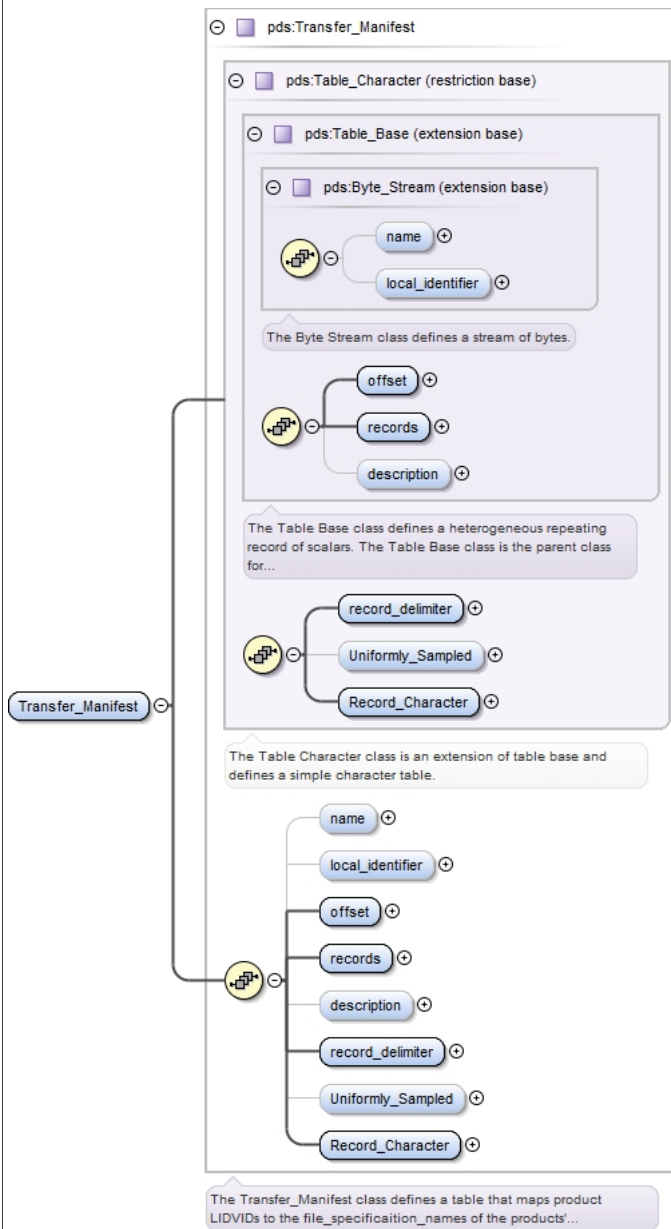
Element pds:File_Area_Transfer_Manifest / pds:File

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:File						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:file_name , pds:local_identifier{0,1} , pds:creation_date_time{0,1} , pds:file_size{0,1} , pds:records{0,1} , pds:md5_checksum{0,1} , pds:comment{0,1}						
Children	pds:comment, pds:creation_date_time, pds:file_name, pds:file_size, pds:local_identifier, pds:md5_checksum, pds:records						
Instance	<pre><pds:File xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:file_name>{1,1}</pds:file_name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:creation_date_time>{0,1}</pds:creation_date_time> <pds:file_size unit="">{0,1}</pds:file_size> <pds:records>{0,1}</pds:records> <pds:md5_checksum>{0,1}</pds:md5_checksum> <pds:comment>{0,1}</pds:comment> </pds:File></pre>						
Source	<pre><xs:element name="File" type="pds:File" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:File_Area_Transfer_Manifest / pds:Transfer_Manifest

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram



Type	pds:Transfer_Manifest						
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Table_Base • pds:Table_Character • pds:Transfer_Manifest 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:records , pds:description{0,1} , pds:record_delimiter , pds:Uniformly_Sampled{0,1} , pds:Record_Character						
Children	pds:Record_Character, pds:Uniformly_Sampled, pds:description, pds:local_identifier, pds:name, pds:offset, pds:record_delimiter, pds:records						
Instance	<pre><pds:Transfer_Manifest xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:records>{1,1}</pds:records> <pds:description>{0,1}</pds:description></pre>						

	<pre><pds:record_delimiter>{1,1}</pds:record_delimiter> <pds:Uniformly_Sampled>{0,1}</pds:Uniformly_Sampled> <pds:Record_Character>{1,1}</pds:Record_Character> </pds:Transfer_Manifest></pre>
Source	<pre><xs:element name="Transfer_Manifest" type="pds:Transfer_Manifest" minOccurs="1" maxOccurs="1"> </xs:element></pre>

Element pds:Table_Base / pds:offset

Namespace	http://pds.nasa.gov/pds4/pds/v1								
Diagram									
Type	pds:offset								
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:offset_WO_Units • pds:offset 								
Properties	content:	complex							
	minOccurs:	1							
	maxOccurs:	1							
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Storage</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Storage	required		
QName	Type	Use							
unit	pds:Units_of_Storage	required							
Source	<pre><xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1"> </xs:element></pre>								

Element pds:Table_Base / pds:records

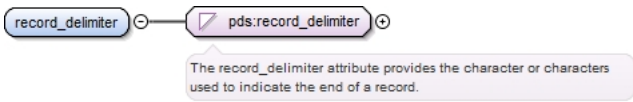
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:records		
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:records 		
Properties	content:	simple	
	minOccurs:	1	
	maxOccurs:	1	
Facets	minInclusive	1	
Source	<pre><xs:element name="records" type="pds:records" minOccurs="1" maxOccurs="1"> </xs:element></pre>		

Element pds:Table_Base / pds:description

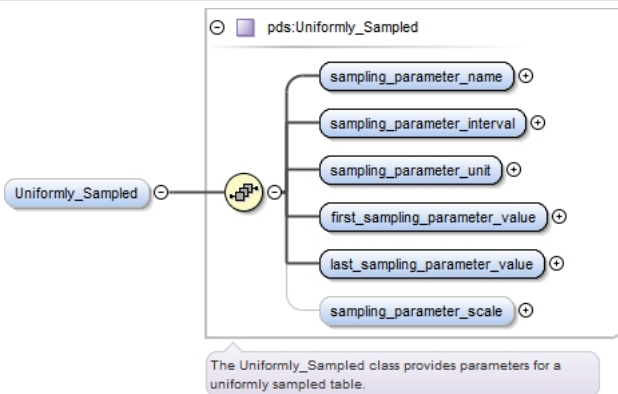
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			

Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:UTF8_Text_Preserved pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<code><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:Table_Character / pds:record_delimiter

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:record_delimiter						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:record_delimiter 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="record_delimiter" type="pds:record_delimiter" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:Table_Character / pds:Uniformly_Sampled

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Uniformly_Sampled						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:sampling_parameter_name , pds:sampling_parameter_interval , pds:sampling_parameter_unit , pds:first_sampling_parameter_value , pds:last_sampling_parameter_value , pds:sampling_parameter_scale{0,1}						

Children	pds:first_sampling_parameter_value, pds:last_sampling_parameter_value, pds:sampling_parameter_interval, pds:sampling_parameter_name, pds:sampling_parameter_scale, pds:sampling_parameter_unit
Instance	<pre><pds:Uniformly_Sampled xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:sampling_parameter_name>{1,1}</pds:sampling_parameter_name> <pds:sampling_parameter_interval>{1,1}</pds:sampling_parameter_interval> <pds:sampling_parameter_unit>{1,1}</pds:sampling_parameter_unit> <pds:first_sampling_parameter_value>{1,1}</pds:first_sampling_parameter_value> <pds:last_sampling_parameter_value>{1,1}</pds:last_sampling_parameter_value> <pds:sampling_parameter_scale>{0,1}</pds:sampling_parameter_scale> </pds:Uniformly_Sampled></pre>
Source	<pre><xs:element name="Uniformly_Sampled" type="pds:Uniformly_Sampled" minOccurs="0" maxOccurs="1"> </xs:element></pre>

Element pds:Uniformly_Sampled / pds:sampling_parameter_name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:sampling_parameter_name						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:sampling_parameter_name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="sampling_parameter_name" type="pds:sampling_parameter_name" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Uniformly_Sampled / pds:sampling_parameter_interval

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:sampling_parameter_interval						
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real pds:sampling_parameter_interval 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre><xs:element name="sampling_parameter_interval" type="pds:sampling_parameter_interval" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Uniformly_Sampled / pds:sampling_parameter_unit

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	

Type	pds:sampling_parameter_unit						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:sampling_parameter_unit 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="sampling_parameter_unit" type="pds:sampling_parameter_unit" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Uniformly_Sampled / pds:first_sampling_parameter_value

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:first_sampling_parameter_value						
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real pds:first_sampling_parameter_value 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre><xs:element name="first_sampling_parameter_value" type="pds:first_sampling_parameter_value" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Uniformly_Sampled / pds:last_sampling_parameter_value

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:last_sampling_parameter_value						
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real pds:last_sampling_parameter_value 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre><xs:element name="last_sampling_parameter_value" type="pds:last_sampling_parameter_value" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Uniformly_Sampled / pds:sampling_parameter_scale

Namespace	http://pds.nasa.gov/pds4/pds/v1
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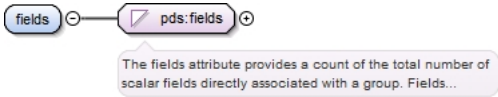
Diagram							
Type	pds:sampling_parameter_scale						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:sampling_parameter_scale 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="sampling_parameter_scale" type="pds:sampling_parameter_scale" minOccurs="0" maxOccurs="1" /> </xs:element></pre>						

Element pds:Table_Character / pds:Record_Character

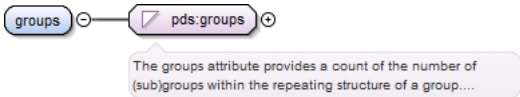
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Record_Character						
Type hierarchy	<ul style="list-style-type: none"> pds:Record pds:Record_Character 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:fields , pds:groups , pds:record_length , (pds:Field_Character pds:Group_Field_Character)						
Children	pds:Field_Character, pds:Group_Field_Character, pds:fields, pds:groups, pds:record_length						
Instance	<pre><pds:Record_Character xmlns:pds="http://pds.nasa.gov/pds4/pds/v1" > <pds:fields>{1,1}</pds:fields> <pds:groups>{1,1}</pds:groups> <pds:record_length unit="">{1,1}</pds:record_length> <pds:Field_Character>{1,1}</pds:Field_Character> <pds:Group_Field_Character>{1,1}</pds:Group_Field_Character> </pds:Record_Character></pre>						
Source	<pre><xs:element name="Record_Character" type="pds:Record_Character" minOccurs="1" maxOccurs="1" /> </xs:element></pre>						

Element pds:Record / pds:fields

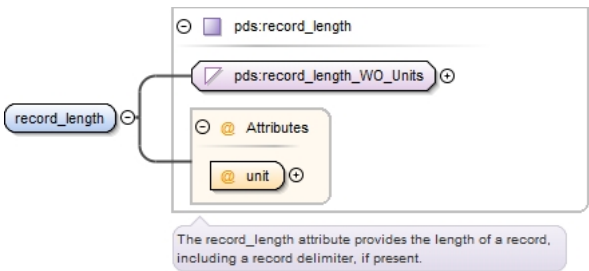
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:fields						
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:fields 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	minInclusive 0						
Source	<code><xs:element name="fields" type="pds:fields" minOccurs="1" maxOccurs="1"></xs:element></code>						

Element pds:Record / pds:groups

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:groups						
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:groups 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	minInclusive 0						
Source	<code><xs:element name="groups" type="pds:groups" minOccurs="1" maxOccurs="1"></xs:element></code>						

Element pds:Record_Character / pds:record_length

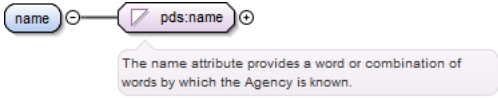
Namespace	http://pds.nasa.gov/pds4/pds/v1				
Diagram					
Type	pds:record_length				
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:record_length_WO_Units • pds:record_length 				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1
content:	complex				
minOccurs:	1				

	maxOccurs:	1		
Attributes	QName	Type	Use	
	unit	pds:Units_of_Storage	required	
Source	<code><xs:element name="record_length" type="pds:record_length" minOccurs="1" maxOccurs="1"> </xs:element></code>			

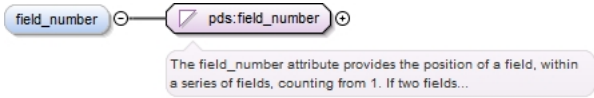
Element pds:Record_Character / pds:Field_Character

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	<p>The diagram illustrates the structure of the <code>pds:Field_Character</code> class. It is a complex type that contains a <code>pds:Field</code> extension base and several other elements. The <code>pds:Field</code> class is the parent class for all specific field classes and includes <code>name</code> and <code>field_number</code> attributes. The <code>pds:Field_Character</code> class includes <code>field_location</code>, <code>data_type</code>, <code>field_length</code>, <code>field_format</code>, <code>unit</code>, <code>scaling_factor</code>, <code>value_offset</code>, <code>description</code>, <code>Special_Constants</code>, and <code>Field_Statistics</code>.</p>
Type	pds:Field_Character
Type hierarchy	<ul style="list-style-type: none"> pds:Field pds:Field_Character
Properties	content: complex
Model	pds:name , pds:field_number{0,1} , pds:field_location , pds:data_type , pds:field_length , pds:field_format{0,1} , pds:unit{0,1} , pds:scaling_factor{0,1} , pds:value_offset{0,1} , pds:description{0,1} , pds:Special_Constants{0,1} , pds:Field_Statistics{0,1}
Children	pds:Field_Statistics, pds:Special_Constants, pds:data_type, pds:description, pds:field_format, pds:field_length, pds:field_location, pds:field_number, pds:name, pds:scaling_factor, pds:unit, pds:value_offset
Instance	<pre><pds:Field_Character xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{1,1}</pds:name> <pds:field_number>{0,1}</pds:field_number> <pds:field_location unit="">{1,1}</pds:field_location> <pds:data_type>{1,1}</pds:data_type> <pds:field_length unit="">{1,1}</pds:field_length> <pds:field_format>{0,1}</pds:field_format> <pds:unit>{0,1}</pds:unit> <pds:scaling_factor>{0,1}</pds:scaling_factor> <pds:value_offset>{0,1}</pds:value_offset> <pds:description>{0,1}</pds:description> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Field_Statistics>{0,1}</pds:Field_Statistics> </pds:Field_Character></pre>
Source	<code><xs:element name="Field_Character" type="pds:Field_Character"> </xs:element></code>

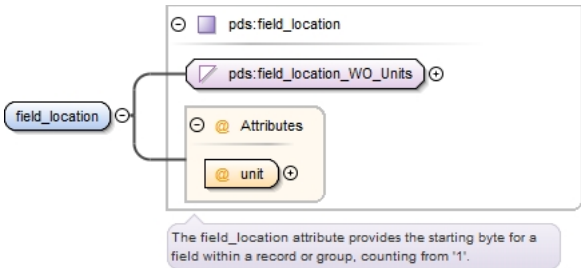
Element pds:Field / pds:name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:UTF8_Short_String_Collapsed • pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<pre><xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Field / pds:field_number

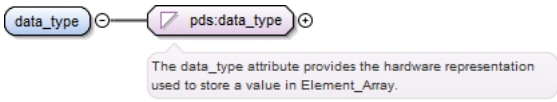
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:field_number						
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:field_number 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minInclusive</td> <td>1</td> </tr> </table>	minInclusive	1				
minInclusive	1						
Source	<pre><xs:element name="field_number" type="pds:field_number" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Field_Character / pds:field_location

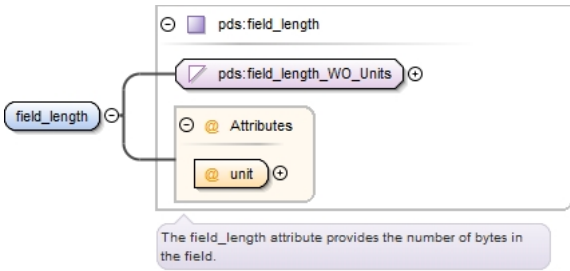
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:field_location
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer

	<ul style="list-style-type: none"> • pds:field_location_WO_Units • pds:field_location 								
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1		
content:	complex								
minOccurs:	1								
maxOccurs:	1								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Storage</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		unit	pds:Units_of_Storage	required	
QName	Type	Use							
unit	pds:Units_of_Storage	required							
Source	<pre><xs:element name="field_location" type="pds:field_location" minOccurs="1" maxOccurs="1"> </xs:element></pre>								

Element pds:Field_Character / pds:data_type

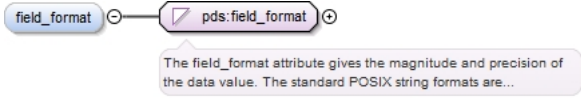
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:data_type						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:data_type 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="data_type" type="pds:data_type" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Field_Character / pds:field_length

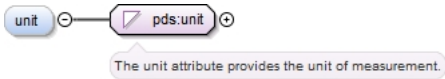
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:field_length						
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:field_length_WO_Units • pds:field_length 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						

Attributes	QName	Type	Use
	unit	pds:Units_of_Storage	required
Source	<code><xs:element name="field_length" type="pds:field_length" minOccurs="1" maxOccurs="1"> </xs:element></code>		

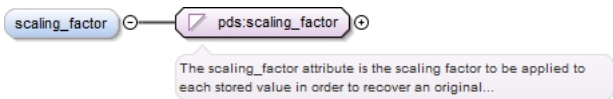
Element pds:Field_Character / pds:field_format

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:field_format						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:field_format 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>maxLength</td><td>255</td></tr> <tr><td>pattern</td><td>\p{IsBasicLatin}*</td></tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="field_format" type="pds:field_format" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Field_Character / pds:unit

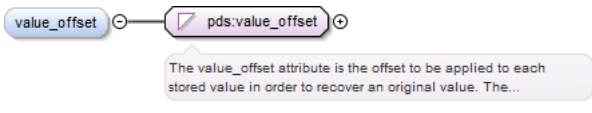
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:unit						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:UTF8_Short_String_Collapsed • pds:unit 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>maxLength</td><td>255</td></tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<code><xs:element name="unit" type="pds:unit" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Field_Character / pds:scaling_factor

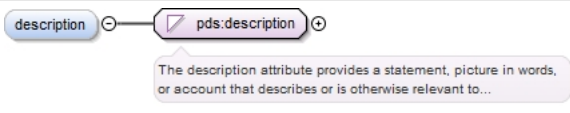
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:scaling_factor
Type hierarchy	<ul style="list-style-type: none"> • xs:double

	<ul style="list-style-type: none"> • pds:ASCII_Real • pds:scaling_factor 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xs:element name="scaling_factor" type="pds:scaling_factor" minOccurs="0" maxOccurs="1"></xs:element></code>						

Element pds:Field_Character / pds:value_offset

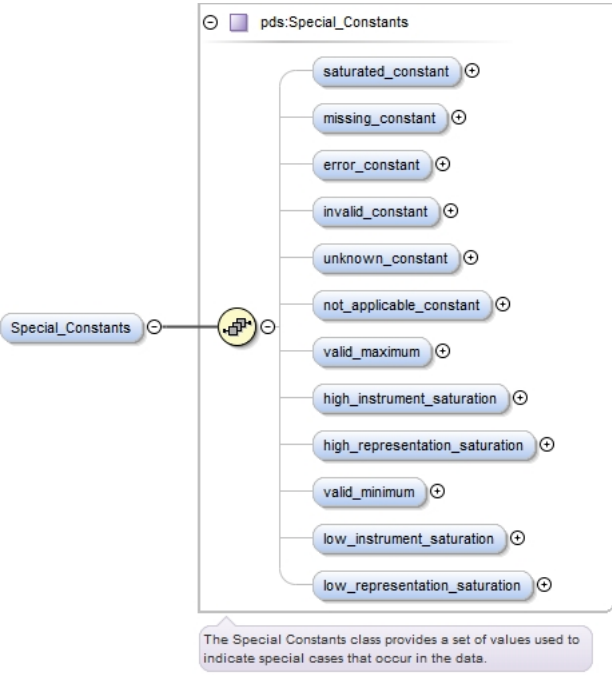
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:value_offset						
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:value_offset 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xs:element name="value_offset" type="pds:value_offset" minOccurs="0" maxOccurs="1"></xs:element></code>						

Element pds:Field_Character / pds:description

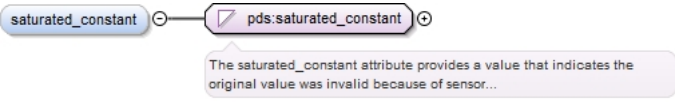
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<code><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"></xs:element></code>						

Element pds:Field_Character / pds:Special_Constants

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:Special_Constants						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	<p>pds:saturated_constant{0,1} , pds:missing_constant{0,1} , pds:error_constant{0,1} , pds:invalid_constant{0,1} , pds:unknown_constant{0,1} , pds:not_applicable_constant{0,1} , pds:valid_maximum{0,1} , pds:high_instrument_saturation{0,1} , pds:high_representation_saturation{0,1} , pds:valid_minimum{0,1} , pds:low_instrument_saturation{0,1} , pds:low_representation_saturation{0,1}</p>						
Children	<p>pds:error_constant, pds:high_instrument_saturation, pds:high_representation_saturation, pds:invalid_constant, pds:low_instrument_saturation, pds:low_representation_saturation, pds:missing_constant, pds:not_applicable_constant, pds:saturated_constant, pds:unknown_constant, pds:valid_maximum, pds:valid_minimum</p>						
Instance	<pre><pds:Special_Constants xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:saturated_constant>{0,1}</pds:saturated_constant> <pds:missing_constant>{0,1}</pds:missing_constant> <pds:error_constant>{0,1}</pds:error_constant> <pds:invalid_constant>{0,1}</pds:invalid_constant> <pds:unknown_constant>{0,1}</pds:unknown_constant> <pds:not_applicable_constant>{0,1}</pds:not_applicable_constant> <pds:valid_maximum>{0,1}</pds:valid_maximum> <pds:high_instrument_saturation>{0,1}</pds:high_instrument_saturation> <pds:high_representation_saturation>{0,1}</pds:high_representation_saturation> <pds:valid_minimum>{0,1}</pds:valid_minimum> <pds:low_instrument_saturation>{0,1}</pds:low_instrument_saturation> <pds:low_representation_saturation>{0,1}</pds:low_representation_saturation> </pds:Special_Constants></pre>						
Source	<pre><xs:element name="Special_Constants" type="pds:Special_Constants" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Special_Constants / pds:saturated_constant

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:saturated_constant
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:saturated_constant

Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="saturated_constant" type="pds:saturated_constant" minOccurs="0" maxOccurs="1"> </xs:element></code>	

Element pds:Special_Constants / pds:missing_constant

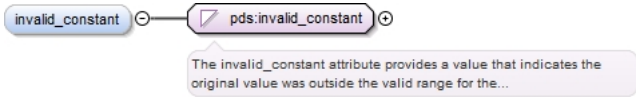
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:missing_constant	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:missing_constant 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="missing_constant" type="pds:missing_constant" minOccurs="0" maxOccurs="1"> </xs:element></code>	

Element pds:Special_Constants / pds:error_constant

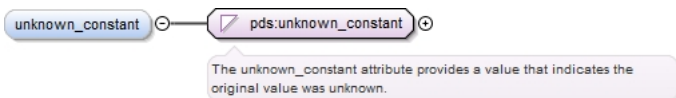
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:error_constant	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:error_constant 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="error_constant" type="pds:error_constant" minOccurs="0" maxOccurs="1"> </xs:element></code>	

Element pds:Special_Constants / pds:invalid_constant


Namespace	http://pds.nasa.gov/pds4/pds/v1	
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Diagram							
Type	pds:invalid_constant						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:invalid_constant 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>maxLength</td><td>255</td></tr> <tr><td>pattern</td><td>\p{IsBasicLatin}*</td></tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="invalid_constant" type="pds:invalid_constant" minOccurs="0" maxOccurs="1"></xs:element></code>						

Element pds:Special_Constants / pds:unknown_constant

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:unknown_constant						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:unknown_constant 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>maxLength</td><td>255</td></tr> <tr><td>pattern</td><td>\p{IsBasicLatin}*</td></tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="unknown_constant" type="pds:unknown_constant" minOccurs="0" maxOccurs="1"></xs:element></code>						

Element pds:Special_Constants / pds:not_applicable_constant

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:not_applicable_constant						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:not_applicable_constant 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> </table>	minLength	1				
minLength	1						

	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="not_applicable_constant" type="pds:not_applicable_constant" minOccurs="0" maxOccurs="1"> </xs:element></code>	

Element pds:Special_Constants / pds:valid_maximum

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:valid_maximum	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:valid_maximum 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="valid_maximum" type="pds:valid_maximum" minOccurs="0" maxOccurs="1"> </xs:element></code>	

Element pds:Special_Constants / pds:high_instrument_saturation

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:high_instrument_saturation	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:high_instrument_saturation 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="high_instrument_saturation" type="pds:high_instrument_saturation" minOccurs="0" maxOccurs="1"> </xs:element></code>	

Element pds:Special_Constants / pds:high_representation_saturation

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:high_representation_saturation	

Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:high_representation_saturation 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="high_representation_saturation" type="pds:high_representation_saturation" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Special_Constants / pds:valid_minimum

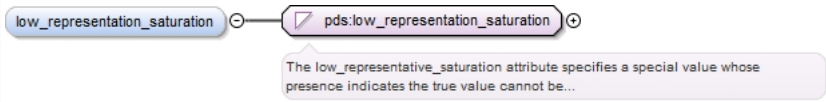
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The valid_minimum attribute specifies the minimum valid value in the field or digital object with which the...</p>						
Type	pds:valid_minimum						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:valid_minimum 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="valid_minimum" type="pds:valid_minimum" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Special_Constants / pds:low_instrument_saturation

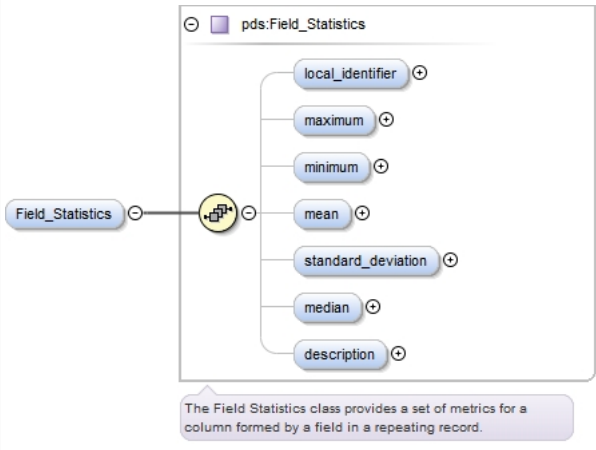
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The low_instrument_saturation attribute specifies a special value whose presence indicates the measuring instrument was...</p>						
Type	pds:low_instrument_saturation						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:low_instrument_saturation 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="low_instrument_saturation" type="pds:low_instrument_saturation" minOccurs="0" maxOccurs="1"></pre>						

</xs:element>

Element pds:Special_Constants / pds:low_representation_saturation

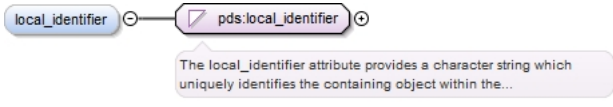
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:low_representation_saturation						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:low_representation_saturation 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="low_representation_saturation" type="pds:low_representation_saturation" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Field_Character / pds:Field_Statistics

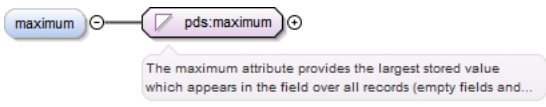
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Field_Statistics						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:local_identifier{0,1} , pds:maximum{0,1} , pds:minimum{0,1} , pds:mean{0,1} , pds:standard_deviation{0,1} , pds:median{0,1} , pds:description{0,1}						
Children	pds:description, pds:local_identifier, pds:maximum, pds:mean, pds:median, pds:minimum, pds:standard_deviation						
Instance	<pre><pds:Field_Statistics xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:maximum>{0,1}</pds:maximum> <pds:minimum>{0,1}</pds:minimum> <pds:mean>{0,1}</pds:mean> <pds:standard_deviation>{0,1}</pds:standard_deviation> <pds:median>{0,1}</pds:median> <pds:description>{0,1}</pds:description> </pds:Field_Statistics></pre>						
Source	<pre><xs:element name="Field_Statistics" type="pds:Field_Statistics" minOccurs="0" maxOccurs="1"></pre>						

</xs:element>

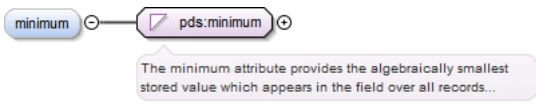
Element pds:Field_Statistics / pds:local_identifier

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:local_identifier						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:local_identifier 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"></xs:element>						

Element pds:Field_Statistics / pds:maximum

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:maximum						
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real pds:maximum 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<xs:element name="maximum" type="pds:maximum" minOccurs="0" maxOccurs="1"></xs:element>						

Element pds:Field_Statistics / pds:minimum

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:minimum						
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real pds:minimum 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Source	<code><xs:element name="minimum" type="pds:minimum" minOccurs="0" maxOccurs="1"> </xs:element></code>
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Element pds:Field_Statistics / pds:mean

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:mean						
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:mean 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xs:element name="mean" type="pds:mean" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Field_Statistics / pds:standard_deviation

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:standard_deviation						
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:standard_deviation 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	minInclusive 0						
Source	<code><xs:element name="standard_deviation" type="pds:standard_deviation" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Field_Statistics / pds:median

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:median						
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:median 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xs:element name="median" type="pds:median" minOccurs="0" maxOccurs="1"></code>						

</xs:element>

Element pds:Field_Statistics / pds:description

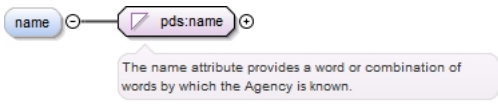
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The diagram shows a 'description' element connected to a 'pds:description' element. A callout box explains: 'The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to...'</p>						
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:UTF8_Text_Preserved pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	minLength 1						
Source	<xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1" > </xs:element>						

Element pds:Record_Character / pds:Group_Field_Character

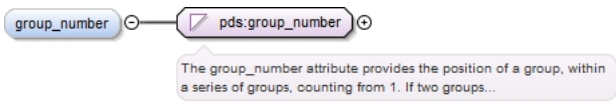
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	<p>The diagram illustrates the class structure. 'pds:Group_Field_Character' is a subclass of 'pds:Group (extension base)'. 'pds:Group' contains elements: name, group_number, repetitions, fields, groups, and description. 'pds:Group_Field_Character' contains elements: group_location, group_length, and a group of 'Field_Character' or 'Group_Field_Character' (indicated by 1..∞). Callouts explain: 'The Group class defines a group of (repeating) fields and, possibly, (sub) groups; it is the parent class of all...' and 'The Group_Field_Character class allows a group of table fields.'</p>
Type	pds:Group_Field_Character
Type hierarchy	<ul style="list-style-type: none"> pds:Group pds:Group_Field_Character
Properties	content: complex
Model	pds:name{0,1} , pds:group_number{0,1} , pds:repetitions , pds:fields , pds:groups , pds:description{0,1} , pds:group_location , pds:group_length , (pds:Field_Character pds:Group_Field_Character)
Children	pds:Field_Character, pds:Group_Field_Character, pds:description, pds:fields, pds:group_length, pds:group_location, pds:group_number, pds:groups, pds:name, pds:repetitions
Instance	<pds:Group_Field_Character xmlns:pds="http://pds.nasa.gov/pds4/pds/v1" > <pds:name>{0,1}</pds:name> <pds:group_number>{0,1}</pds:group_number>

	<pre> <pds:repetitions>{1,1}</pds:repetitions> <pds:fields>{1,1}</pds:fields> <pds:groups>{1,1}</pds:groups> <pds:description>{0,1}</pds:description> <pds:group_location unit="">{1,1}</pds:group_location> <pds:group_length unit="">{1,1}</pds:group_length> <pds:Field_Character>{1,1}</pds:Field_Character> <pds:Group_Field_Character>{1,1}</pds:Group_Field_Character> </pds:Group_Field_Character> </pre>
Source	<pre> <xs:element name="Group_Field_Character" type="pds:Group_Field_Character"> </xs:element> </pre>

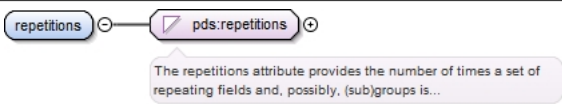
Element pds:Group / pds:name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:UTF8_Short_String_Collapsed pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<pre> <xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element> </pre>						

Element pds:Group / pds:group_number

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:group_number						
Type hierarchy	<ul style="list-style-type: none"> xs:integer pds:ASCII_Integer pds:group_number 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<pre> <xs:element name="group_number" type="pds:group_number" minOccurs="0" maxOccurs="1"> </xs:element> </pre>						

Element pds:Group / pds:repetitions

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:repetitions
Type hierarchy	<ul style="list-style-type: none"> xs:integer

	<ul style="list-style-type: none"> • pds:ASCII_Integer • pds:repetitions 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minInclusive</td> <td>1</td> </tr> </table>	minInclusive	1				
minInclusive	1						
Source	<code><xs:element name="repetitions" type="pds:repetitions" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Group / pds:fields

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:fields						
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:fields 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minInclusive</td> <td>0</td> </tr> </table>	minInclusive	0				
minInclusive	0						
Source	<code><xs:element name="fields" type="pds:fields" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Group / pds:groups

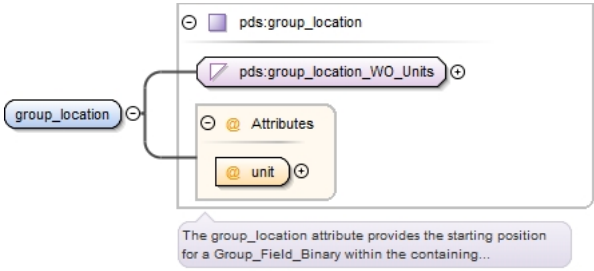
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:groups						
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:groups 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minInclusive</td> <td>0</td> </tr> </table>	minInclusive	0				
minInclusive	0						
Source	<code><xs:element name="groups" type="pds:groups" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Group / pds:description

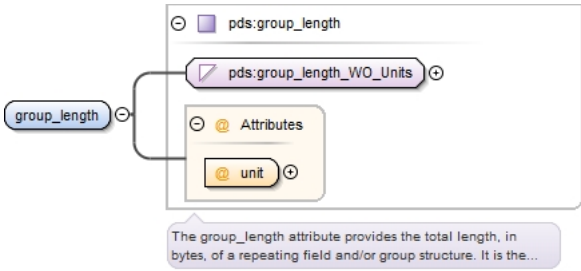
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:description

Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<pre><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Group_Field_Character / pds:group_location

Namespace	http://pds.nasa.gov/pds4/pds/v1								
Diagram									
Type	pds:group_location								
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:group_location_WO_Units • pds:group_location 								
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>			content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex								
minOccurs:	1								
maxOccurs:	1								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Storage</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Storage	required		
QName	Type	Use							
unit	pds:Units_of_Storage	required							
Source	<pre><xs:element name="group_location" type="pds:group_location" minOccurs="1" maxOccurs="1"> </xs:element></pre>								

Element pds:Group_Field_Character / pds:group_length

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:group_length		
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:group_length_WO_Units • pds:group_length 		

Properties	content:	complex		
	minOccurs:	1		
	maxOccurs:	1		
Attributes	QName	Type	Use	
	unit	pds:Units_of_Storage	required	
Source	<code><xs:element name="group_length" type="pds:group_length" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>			

Element pds:Group_Field_Character / pds:Field_Character

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Field_Character
Type hierarchy	<ul style="list-style-type: none"> pds:Field pds:Field_Character
Properties	content: complex
Model	pds:name , pds:field_number{0,1} , pds:field_location , pds:data_type , pds:field_length , pds:field_format{0,1} , pds:unit{0,1} , pds:scaling_factor{0,1} , pds:value_offset{0,1} , pds:description{0,1} , pds:Special_Constants{0,1} , pds:Field_Statistics{0,1}
Children	pds:Field_Statistics, pds:Special_Constants, pds:data_type, pds:description, pds:field_format, pds:field_length, pds:field_location, pds:field_number, pds:name, pds:scaling_factor, pds:unit, pds:value_offset
Instance	<pre><pds:Field_Character xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{1,1}</pds:name> <pds:field_number>{0,1}</pds:field_number> <pds:field_location unit="">{1,1}</pds:field_location> <pds:data_type>{1,1}</pds:data_type> <pds:field_length unit="">{1,1}</pds:field_length> <pds:field_format>{0,1}</pds:field_format> <pds:unit>{0,1}</pds:unit> <pds:scaling_factor>{0,1}</pds:scaling_factor> <pds:value_offset>{0,1}</pds:value_offset> <pds:description>{0,1}</pds:description> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Field_Statistics>{0,1}</pds:Field_Statistics> </pds:Field_Character></pre>
Source	<code><xs:element name="Field_Character" type="pds:Field_Character"></code>

</xs:element>

Element pds:Group_Field_Character / pds:Group_Field_Character


Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Group_Field_Character
Type hierarchy	<ul style="list-style-type: none"> pds:Group pds:Group_Field_Character
Properties	content: complex
Model	pds:name{0,1} , pds:group_number{0,1} , pds:repetitions , pds:fields , pds:groups , pds:description{0,1} , pds:group_location , pds:group_length , (pds:Field_Character pds:Group_Field_Character)
Children	pds:Field_Character, pds:Group_Field_Character, pds:description, pds:fields, pds:group_length, pds:group_location, pds:group_number, pds:groups, pds:name, pds:repetitions
Instance	<pre><pds:Group_Field_Character xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:group_number>{0,1}</pds:group_number> <pds:repetitions>{1,1}</pds:repetitions> <pds:fields>{1,1}</pds:fields> <pds:groups>{1,1}</pds:groups> <pds:description>{0,1}</pds:description> <pds:group_location unit="">{1,1}</pds:group_location> <pds:group_length unit="">{1,1}</pds:group_length> <pds:Field_Character>{1,1}</pds:Field_Character> <pds:Group_Field_Character>{1,1}</pds:Group_Field_Character> </pds:Group_Field_Character></pre>
Source	<pre><xs:element name="Group_Field_Character" type="pds:Group_Field_Character"> </xs:element></pre>

Element pds:Transfer_Manifest / pds:name

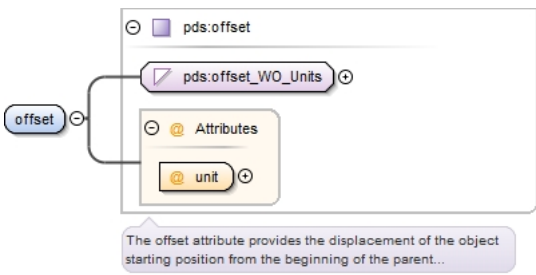
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:name
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:UTF8_Short_String_Collapsed

	<ul style="list-style-type: none"> • pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<pre><xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Transfer_Manifest / pds:local_identifier


Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:local_identifier						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:local_identifier 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{[IsBasicLatin]}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{[IsBasicLatin]}*
minLength	1						
maxLength	255						
pattern	\p{[IsBasicLatin]}*						
Source	<pre><xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Transfer_Manifest / pds:offset

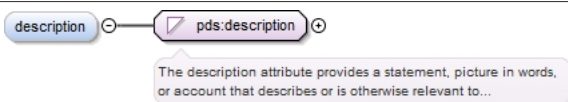
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:offset						
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:offset_WO_Units • pds:offset 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Storage</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Storage	required
QName	Type	Use					
unit	pds:Units_of_Storage	required					

Source	<code><xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1"> </xs:element></code>
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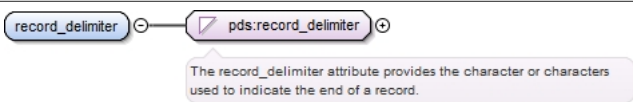
Element pds:Transfer_Manifest / pds:records

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:records						
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:records 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>1</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	minInclusive 1						
Source	<code><xs:element name="records" type="pds:records" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Transfer_Manifest / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	minLength 1						
Source	<code><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Transfer_Manifest / pds:record_delimiter

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:record_delimiter						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:record_delimiter 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>1</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	minLength 1						

	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<xs:element name="record_delimiter" type="pds:record_delimiter" minOccurs="1" maxOccurs="1"></xs:element>	

Element pds:Transfer_Manifest / pds:Uniformly_Sampled

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:Uniformly_Sampled	
Properties	content:	complex
	minOccurs:	0
	maxOccurs:	1
Model	pds:sampling_parameter_name , pds:sampling_parameter_interval , pds:sampling_parameter_unit , pds:first_sampling_parameter_value , pds:last_sampling_parameter_value , pds:sampling_parameter_scale{0,1}	
Children	pds:first_sampling_parameter_value , pds:last_sampling_parameter_value , pds:sampling_parameter_interval, pds:sampling_parameter_name , pds:sampling_parameter_scale, pds:sampling_parameter_unit	
Instance	<pre><pds:Uniformly_Sampled xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:sampling_parameter_name>{1,1}</pds:sampling_parameter_name> <pds:sampling_parameter_interval>{1,1}</pds:sampling_parameter_interval> <pds:sampling_parameter_unit>{1,1}</pds:sampling_parameter_unit> <pds:first_sampling_parameter_value>{1,1}</pds:first_sampling_parameter_value> <pds:last_sampling_parameter_value>{1,1}</pds:last_sampling_parameter_value> <pds:sampling_parameter_scale>{0,1}</pds:sampling_parameter_scale> </pds:Uniformly_Sampled></pre>	
Source	<xs:element name="Uniformly_Sampled" type="pds:Uniformly_Sampled" minOccurs="0" maxOccurs="1"></xs:element>	

Element pds:Transfer_Manifest / pds:Record_Character

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:Record_Character	

Type hierarchy	<ul style="list-style-type: none"> pds:Record pds:Record_Character 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:fields , pds:groups , pds:record_length , (pds:Field_Character pds:Group_Field_Character)						
Children	pds:Field_Character, pds:Group_Field_Character, pds:fields, pds:groups, pds:record_length						
Instance	<pre><pds:Record_Character xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:fields>{1,1}</pds:fields> <pds:groups>{1,1}</pds:groups> <pds:record_length unit="">{1,1}</pds:record_length> <pds:Field_Character>{1,1}</pds:Field_Character> <pds:Group_Field_Character>{1,1}</pds:Group_Field_Character> </pds:Record_Character></pre>						
Source	<pre><xs:element name="Record_Character" type="pds:Record_Character" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_AIP / pds:Archival_Information_Package

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Archival_Information_Package						
Type hierarchy	<ul style="list-style-type: none"> pds:Information_Package pds:Archival_Information_Package 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:description						
Children	pds:description						
Instance	<pre><pds:Archival_Information_Package xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:description>{1,1}</pds:description> </pds:Archival_Information_Package></pre>						
Source	<pre><xs:element name="Archival_Information_Package" type="pds:Archival_Information_Package" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Information_Package / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:description
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:UTF8_Text_Preserved

	<ul style="list-style-type: none"> • pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<pre><xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Archival_Information_Package / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<pre><xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_Attribute_Definition

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:Product_Attribute_Definition		
Type hierarchy	<ul style="list-style-type: none"> • pds:Product • pds:Product_Attribute_Definition 		
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> </table>	content:	complex
content:	complex		
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:DD_Attribute_Full		
Children	pds:DD_Attribute_Full, pds:Identification_Area, pds:Reference_List		
Instance	<pre><pds:Product_Attribute_Definition xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Identification_Area>{1,1}</pds:Identification_Area> <pds:Reference_List>{0,1}</pds:Reference_List> <pds:DD_Attribute_Full>{1,1}</pds:DD_Attribute_Full> </pds:Product_Attribute_Definition></pre>		
Source	<pre><xs:element name="Product_Attribute_Definition" type="pds:Product_Attribute_Definition"> </xs:element></pre>		

Element pds:Product_Attribute_Definition / pds:Reference_List

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Reference_List						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:Internal_Reference*, pds:External_Reference*						
Children	pds:External_Reference, pds:Internal_Reference						
Instance	<pre><pds:Reference_List xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Internal_Reference>{0, unbounded}</pds:Internal_Reference> <pds:External_Reference>{0, unbounded}</pds:External_Reference> </pds:Reference_List></pre>						
Source	<pre><xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_Attribute_Definition / pds:DD_Attribute_Full

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:DD_Attribute_Full						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						

Model	pds:name , pds:version_id , pds:class_name , pds:local_identifier , pds:steward_id , pds:type , pds:namespace_id , pds:nilable_flag , pds:submitter_name , pds:definition , pds:comment{0,1} , pds:registered_by , pds:registration_authority_id , pds:attribute_concept , pds:Terminological_Entry+ , pds:DD_Value_Domain_Full{0,1}
Children	pds:DD_Value_Domain_Full, pds:Terminological_Entry, pds:attribute_concept, pds:class_name, pds:comment, pds:definition, pds:local_identifier, pds:name, pds:namespace_id, pds:nilable_flag, pds:registered_by, pds:registration_authority_id, pds:steward_id, pds:submitter_name, pds:type, pds:version_id
Instance	<pre><pds:DD_Attribute_Full xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{1,1}</pds:name> <pds:version_id>{1,1}</pds:version_id> <pds:class_name>{1,1}</pds:class_name> <pds:local_identifier>{1,1}</pds:local_identifier> <pds:steward_id>{1,1}</pds:steward_id> <pds:type>{1,1}</pds:type> <pds:namespace_id>{1,1}</pds:namespace_id> <pds:nilable_flag>{1,1}</pds:nilable_flag> <pds:submitter_name>{1,1}</pds:submitter_name> <pds:definition>{1,1}</pds:definition> <pds:comment>{0,1}</pds:comment> <pds:registered_by>{1,1}</pds:registered_by> <pds:registration_authority_id>{1,1}</pds:registration_authority_id> <pds:attribute_concept>{1,1}</pds:attribute_concept> <pds:Terminological_Entry>{1,unbounded}</pds:Terminological_Entry> <pds:DD_Value_Domain_Full>{0,1}</pds:DD_Value_Domain_Full> </pds:DD_Attribute_Full></pre>
Source	<pre><xs:element name="DD_Attribute_Full" type="pds:DD_Attribute_Full" minOccurs="1" maxOccurs="1"> </xs:element></pre>

Element pds:DD_Attribute_Full / pds:name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:UTF8_Short_String_Collapsed pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<pre><xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:DD_Attribute_Full / pds:version_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:version_id						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:version_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						

Facets	minLength	1
	maxLength	255
	pattern	(\p{IsBasicLatin}*) & (([0-9]+)(\.)?{1}([0-9]+))
Source	<code><xs:element name="version_id" type="pds:version_id" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>	

Element pds:DD_Attribute_Full / pds:class_name

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:class_name	
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:class_name 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="class_name" type="pds:class_name" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>	

Element pds:DD_Attribute_Full / pds:local_identifier

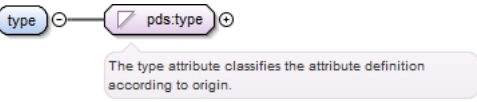
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:local_identifier	
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:local_identifier 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="local_identifier" type="pds:local_identifier" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>	

Element pds:DD_Attribute_Full / pds:steward_id

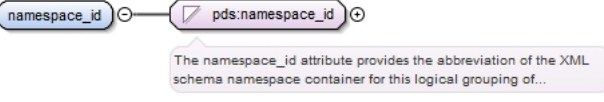
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:steward_id	

Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> pds:steward_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="steward_id" type="pds:steward_id" minOccurs="1" maxOccurs="1"> </xs:element></code>						

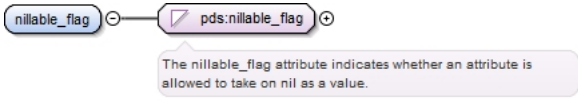
Element pds:DD_Attribute_Full / pds:type

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:type						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> pds:type 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="type" type="pds:type" minOccurs="1" maxOccurs="1"> </xs:element></code>						

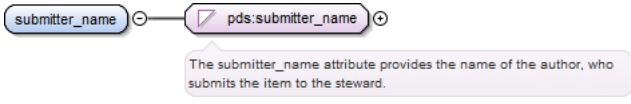
Element pds:DD_Attribute_Full / pds:namespace_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:namespace_id						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> pds:namespace_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="namespace_id" type="pds:namespace_id" minOccurs="1" maxOccurs="1"> </xs:element></code>						

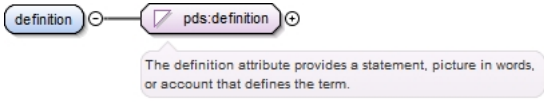
Element pds:DD_Attribute_Full / pds:nillable_flag

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:nillable_flag						
Type hierarchy	<ul style="list-style-type: none"> • xs:boolean • pds:ASCII_Boolean • pds:nillable_flag 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<code><xs:element name="nillable_flag" type="pds:nillable_flag" minOccurs="1" maxOccurs="1"></xs:element></code>						

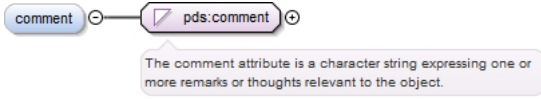
Element pds:DD_Attribute_Full / pds:submitter_name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:submitter_name						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:submitter_name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="submitter_name" type="pds:submitter_name" minOccurs="1" maxOccurs="1"></xs:element></code>						


Element pds:DD_Attribute_Full / pds:definition

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:definition						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:definition 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<code><xs:element name="definition" type="pds:definition" minOccurs="1" maxOccurs="1"></xs:element></code>						

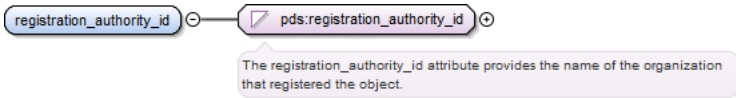
Element pds:DD_Attribute_Full / pds:comment

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:comment						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:comment 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*		
minLength	1						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="comment" type="pds:comment" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:DD_Attribute_Full / pds:registered_by

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:registered_by						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:registered_by 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="registered_by" type="pds:registered_by" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:DD_Attribute_Full / pds:registration_authority_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:registration_authority_id						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:registration_authority_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						

Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<pre><xs:element name="registration_authority_id" type="pds:registration_authority_id" minOccurs="1" maxOccurs="1"> </xs:element></pre>	

Element pds:DD_Attribute_Full / pds:attribute_concept

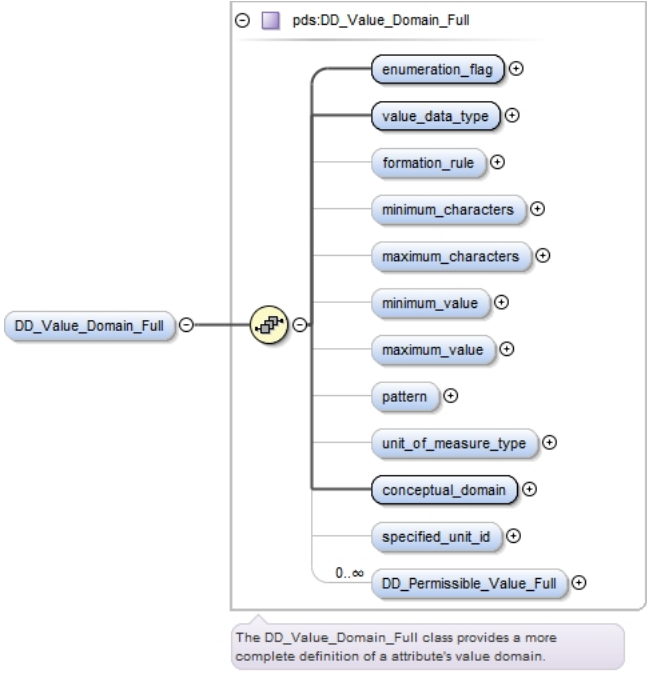
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:attribute_concept	
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:attribute_concept 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<pre><xs:element name="attribute_concept" type="pds:attribute_concept" minOccurs="1" maxOccurs="1"> </xs:element></pre>	

Element pds:DD_Attribute_Full / pds:Terminological_Entry

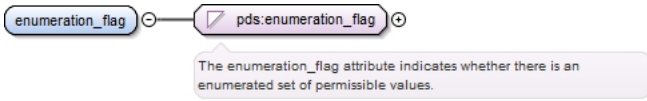
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:Terminological_Entry	
Properties	content:	complex
	minOccurs:	1
	maxOccurs:	unbounded
Model	pds:name , pds:definition , pds:language , pds:preferred_flag , pds:instance_id{0,1} , pds:External_Reference_Extended*	
Children	pds:External_Reference_Extended, pds:definition, pds:instance_id, pds:language, pds:name, pds:preferred_flag	
Instance	<pre><pds:Terminological_Entry xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{1,1}</pds:name> <pds:definition>{1,1}</pds:definition> <pds:language>{1,1}</pds:language> <pds:preferred_flag>{1,1}</pds:preferred_flag> <pds:instance_id>{0,1}</pds:instance_id> <pds:External_Reference_Extended>{0,unbounded}</pds:External_Reference_Extended></pre>	

	<code></pds:Terminological_Entry></code>
Source	<code><xs:element name="Terminological_Entry" type="pds:Terminological_Entry" minOccurs="1" maxOccurs="unbounded" > </xs:element></code>

Element pds:DD_Attribute_Full / pds:DD_Value_Domain_Full

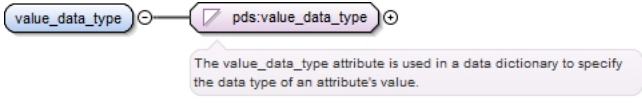
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:DD_Value_Domain_Full						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:enumeration_flag , pds:value_data_type , pds:formation_rule{0,1} , pds:minimum_characters{0,1} , pds:maximum_characters{0,1} , pds:minimum_value{0,1} , pds:maximum_value{0,1} , pds:pattern{0,1} , pds:unit_of_measure_type{0,1} , pds:conceptual_domain , pds:specified_unit_id{0,1} , pds:DD_Permissible_Value_Full*						
Children	pds:DD_Permissible_Value_Full, pds:conceptual_domain, pds:enumeration_flag, pds:formation_rule, pds:maximum_characters, pds:maximum_value, pds:minimum_characters, pds:minimum_value, pds:pattern, pds:specified_unit_id, pds:unit_of_measure_type, pds:value_data_type						
Instance	<pre><pds:DD_Value_Domain_Full xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:enumeration_flag>{1,1}</pds:enumeration_flag> <pds:value_data_type>{1,1}</pds:value_data_type> <pds:formation_rule>{0,1}</pds:formation_rule> <pds:minimum_characters>{0,1}</pds:minimum_characters> <pds:maximum_characters>{0,1}</pds:maximum_characters> <pds:minimum_value>{0,1}</pds:minimum_value> <pds:maximum_value>{0,1}</pds:maximum_value> <pds:pattern>{0,1}</pds:pattern> <pds:unit_of_measure_type>{0,1}</pds:unit_of_measure_type> <pds:conceptual_domain>{1,1}</pds:conceptual_domain> <pds:specified_unit_id>{0,1}</pds:specified_unit_id> <pds:DD_Permissible_Value_Full>{0,unbounded}</pds:DD_Permissible_Value_Full> </pds:DD_Value_Domain_Full></pre>						
Source	<code><xs:element name="DD_Value_Domain_Full" type="pds:DD_Value_Domain_Full" minOccurs="0" maxOccurs="1" > </xs:element></code>						

Element pds:DD_Value_Domain_Full / pds:enumeration_flag

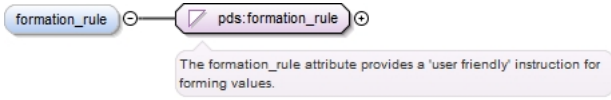
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	

Type	pds:enumeration_flag						
Type hierarchy	<ul style="list-style-type: none"> xs:boolean <ul style="list-style-type: none"> pds:ASCII_Boolean <ul style="list-style-type: none"> pds:enumeration_flag 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<code><xs:element name="enumeration_flag" type="pds:enumeration_flag" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:DD_Value_Domain_Full / pds:value_data_type

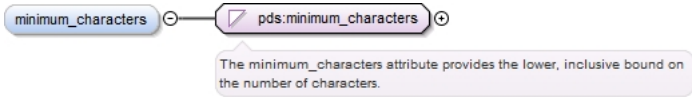
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:value_data_type						
Type hierarchy	<ul style="list-style-type: none"> xs:token <ul style="list-style-type: none"> pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> pds:value_data_type 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="value_data_type" type="pds:value_data_type" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:DD_Value_Domain_Full / pds:formation_rule

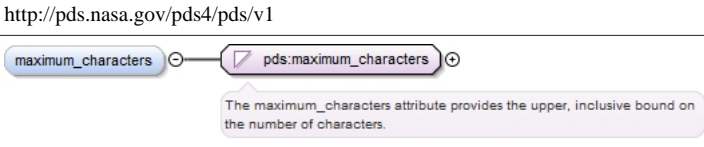
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:formation_rule						
Type hierarchy	<ul style="list-style-type: none"> xs:token <ul style="list-style-type: none"> pds:ASCII_Text_Collapsed <ul style="list-style-type: none"> pds:formation_rule 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*		
minLength	1						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="formation_rule" type="pds:formation_rule" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:DD_Value_Domain_Full / pds:minimum_characters

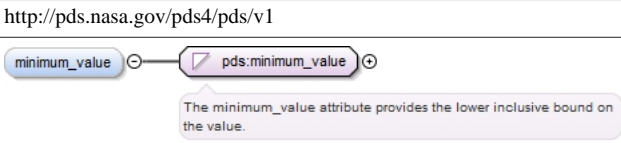
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:minimum_characters						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:minimum_characters 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>maxLength</td><td>255</td></tr> <tr><td>pattern</td><td>\p{IsBasicLatin}*</td></tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="minimum_characters" type="pds:minimum_characters" minOccurs="0" maxOccurs="1"></xs:element></code>						

Element pds:DD_Value_Domain_Full / pds:maximum_characters

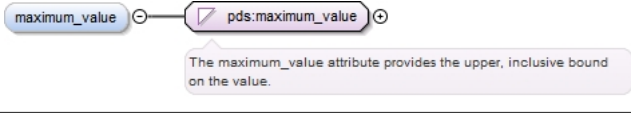
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:maximum_characters						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:maximum_characters 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>maxLength</td><td>255</td></tr> <tr><td>pattern</td><td>\p{IsBasicLatin}*</td></tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="maximum_characters" type="pds:maximum_characters" minOccurs="0" maxOccurs="1"></xs:element></code>						

Element pds:DD_Value_Domain_Full / pds:minimum_value

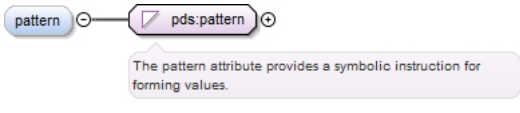
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:minimum_value						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:minimum_value 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> </table>	minLength	1				
minLength	1						

	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="minimum_value" type="pds:minimum_value" minOccurs="0" maxOccurs="1"> </xs:element></code>	

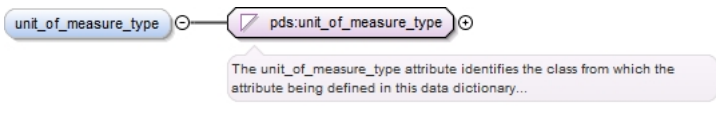
Element pds:DD_Value_Domain_Full / pds:maximum_value

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:maximum_value	
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:maximum_value 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="maximum_value" type="pds:maximum_value" minOccurs="0" maxOccurs="1"> </xs:element></code>	

Element pds:DD_Value_Domain_Full / pds:pattern

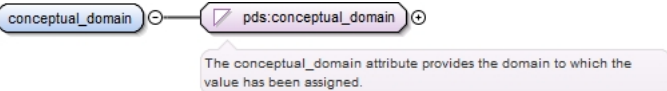
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:pattern	
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:pattern 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="pattern" type="pds:pattern" minOccurs="0" maxOccurs="1"> </xs:element></code>	

Element pds:DD_Value_Domain_Full / pds:unit_of_measure_type

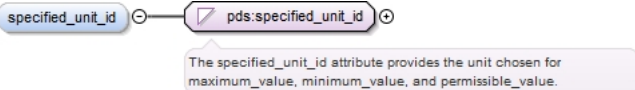
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:unit_of_measure_type	
Type hierarchy	<ul style="list-style-type: none"> xs:token 	

	<ul style="list-style-type: none"> • pds:ASCII_Short_String_Collapsed • pds:unit_of_measure_type 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="unit_of_measure_type" type="pds:unit_of_measure_type" minOccurs="0" maxOccurs="1"></xs:element></code>						

Element pds:DD_Value_Domain_Full / pds:conceptual_domain

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:conceptual_domain						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:conceptual_domain 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="conceptual_domain" type="pds:conceptual_domain" minOccurs="1" maxOccurs="1"></xs:element></code>						

Element pds:DD_Value_Domain_Full / pds:specified_unit_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:specified_unit_id						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:UTF8_Short_String_Collapsed • pds:specified_unit_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<code><xs:element name="specified_unit_id" type="pds:specified_unit_id" minOccurs="0" maxOccurs="1"></xs:element></code>						

Element pds:DD_Value_Domain_Full / pds:DD_Permissible_Value_Full

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:DD_Permissible_Value_Full						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	pds:value , pds:value_meaning{0,1} , pds:value_begin_date , pds:value_end_date , pds:Terminological_Entry*						
Children	pds:Terminological_Entry, pds:value, pds:value_begin_date, pds:value_end_date, pds:value_meaning						
Instance	<pre><pds:DD_Permissible_Value_Full xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:value>{1,1}</pds:value> <pds:value_meaning>{0,1}</pds:value_meaning> <pds:value_begin_date>{1,1}</pds:value_begin_date> <pds:value_end_date>{1,1}</pds:value_end_date> <pds:Terminological_Entry>{0,unbounded}</pds:Terminological_Entry> </pds:DD_Permissible_Value_Full></pre>						
Source	<pre><xs:element name="DD_Permissible_Value_Full" type="pds:DD_Permissible_Value_Full" minOccurs="0" maxOccurs="unbounded"> </xs:element></pre>						

Element pds:DD_Permissible_Value_Full / pds:value

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:value						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:value 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="value" type="pds:value" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:DD_Permissible_Value_Full / pds:value_meaning

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:value_meaning
Type hierarchy	<ul style="list-style-type: none"> xs:string

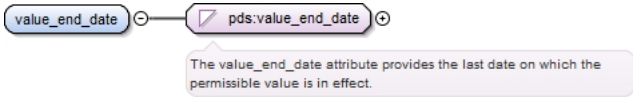
	<ul style="list-style-type: none"> • pds:ASCII_Text_Preserved • pds:value_meaning 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*		
minLength	1						
pattern	\p{IsBasicLatin}*						
Source	<xs:element name="value_meaning" type="pds:value_meaning" minOccurs="0" maxOccurs="1"></xs:element>						

Element pds:DD_Permissible_Value_Full / pds:value_begin_date

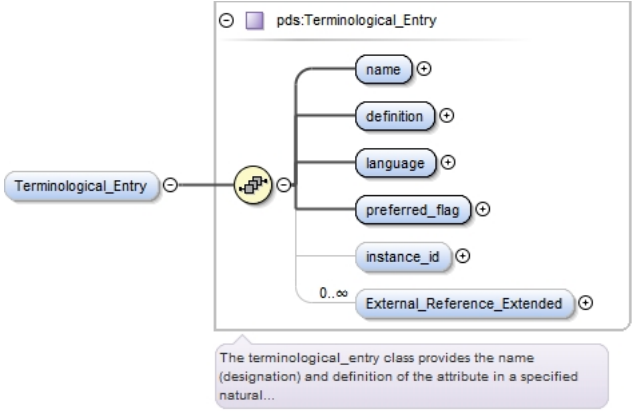
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:value_begin_date						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Date_Time_YMD • pds:value_begin_date 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>pattern</td> <td> <pre>((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-)?[0-9] {4}-((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1] [0-9]) (2[0-3]))(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T) (([0-1][0-9]) (2[0-3])): [0-5][0-9](Z?)) ((-)? [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T) (([0-1][0-9]) (2[0-3])): [0-5][0-9]:(([0-5][0-9]) 60)(\.([0-9]{1,4}))? (Z?)) ((-)?[0-9]{4}- ((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)24((:00 (:00:00))? (Z?)) ((-)? [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1])) (T)24:00:00(\.([0]{1,4})) (Z?)) ((-)?[0-9]{4}- ((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z?))</pre> </td> </tr> </table>	pattern	<pre>((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-)?[0-9] {4}-((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1] [0-9]) (2[0-3]))(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T) (([0-1][0-9]) (2[0-3])): [0-5][0-9](Z?)) ((-)? [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T) (([0-1][0-9]) (2[0-3])): [0-5][0-9]:(([0-5][0-9]) 60)(\.([0-9]{1,4}))? (Z?)) ((-)?[0-9]{4}- ((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)24((:00 (:00:00))? (Z?)) ((-)? [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1])) (T)24:00:00(\.([0]{1,4})) (Z?)) ((-)?[0-9]{4}- ((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z?))</pre>				
pattern	<pre>((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-)?[0-9] {4}-((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1] [0-9]) (2[0-3]))(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T) (([0-1][0-9]) (2[0-3])): [0-5][0-9](Z?)) ((-)? [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T) (([0-1][0-9]) (2[0-3])): [0-5][0-9]:(([0-5][0-9]) 60)(\.([0-9]{1,4}))? (Z?)) ((-)?[0-9]{4}- ((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)24((:00 (:00:00))? (Z?)) ((-)? [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1])) (T)24:00:00(\.([0]{1,4})) (Z?)) ((-)?[0-9]{4}- ((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z?))</pre>						
Source	<xs:element name="value_begin_date" type="pds:value_begin_date" minOccurs="1" maxOccurs="1"></xs:element>						

Element pds:DD_Permissible_Value_Full / pds:value_end_date

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:value_end_date						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Date_Time_YMD pds:value_end_date 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<p>pattern</p> <pre> ((-[0-9]{4}(Z?)) ([0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-[0-9] {4}-((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)) ((-[0-1] [0-9]) (2[0-3]))(Z?)) ([0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)) ((-[0-1][0-9]) (2[0-3])): [0-5][0-9](Z?)) ((-[?] [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)) ((-[0-1][0-9]) (2[0-3])): [0-5][0-9]:((-[0-5][0-9]) 60)(\.[0-9]{1,4}))? (Z?)) ((-[?] [0-9]{4}- ((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T))24((:00) (:00:00))? (Z?)) ((-[?] [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1])) (T))24:00:00(\.[0]{1,4}) (Z?)) ((-[?] [0-9]{4}- ((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z?)) </pre>						
Source	<pre> <xs:element name="value_end_date" type="pds:value_end_date" minOccurs="1" maxOccurs="1"> </xs:element> </pre>						

Element pds:DD_Permissible_Value_Full / pds:Terminological_Entry

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Terminological_Entry

Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	pds:name , pds:definition , pds:language , pds:preferred_flag , pds:instance_id{0,1} , pds:External_Reference_Extended*						
Children	pds:External_Reference_Extended, pds:definition, pds:instance_id, pds:language, pds:name, pds:preferred_flag						
Instance	<pre><pds:Terminological_Entry xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{1,1}</pds:name> <pds:definition>{1,1}</pds:definition> <pds:language>{1,1}</pds:language> <pds:preferred_flag>{1,1}</pds:preferred_flag> <pds:instance_id>{0,1}</pds:instance_id> <pds:External_Reference_Extended>{0,unbounded}</pds:External_Reference_Extended> </pds:Terminological_Entry></pre>						
Source	<pre><xs:element name="Terminological_Entry" type="pds:Terminological_Entry" minOccurs="0" maxOccurs="unbounded"> </xs:element></pre>						

Element pds:Product_Browse

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	<p>A Product is a uniquely identified object that is managed by a registry/repository. It consists of one or more tagged...</p> <p>The Product Browse class defines a product consisting of one encoded byte stream digital object.</p>
Type	pds:Product_Browse
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_Browse
Properties	content: complex
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:File_Area_Browse+
Children	pds:File_Area_Browse, pds:Identification_Area, pds:Reference_List
Instance	<pre><pds:Product_Browse xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Identification_Area>{1,1}</pds:Identification_Area> <pds:Reference_List>{0,1}</pds:Reference_List> <pds:File_Area_Browse>{1,unbounded}</pds:File_Area_Browse> </pds:Product_Browse></pre>
Source	<pre><xs:element name="Product_Browse" type="pds:Product_Browse"> </xs:element></pre>

Element pds:Product_Browse / pds:Reference_List

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	<p>The Reference_List class provides lists general references and cross-references for the product. References cited...</p>
Type	pds:Reference_List
Properties	content: complex

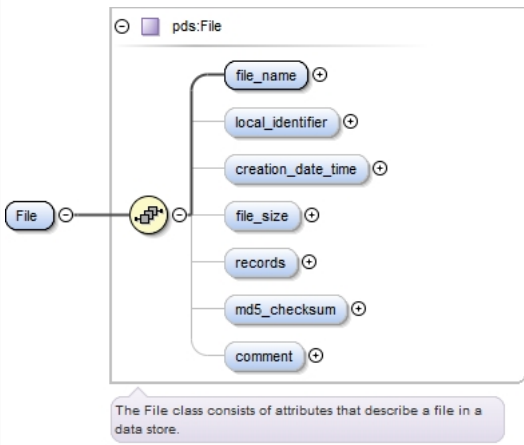
	minOccurs: 0
	maxOccurs: 1
Model	pds:Internal_Reference*, pds:External_Reference*
Children	pds:External_Reference, pds:Internal_Reference
Instance	<pds:Reference_List xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Internal_Reference>{0,unbounded}</pds:Internal_Reference> <pds:External_Reference>{0,unbounded}</pds:External_Reference> </pds:Reference_List>
Source	<xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element>

Element pds:Product_Browse / pds:File_Area_Browse

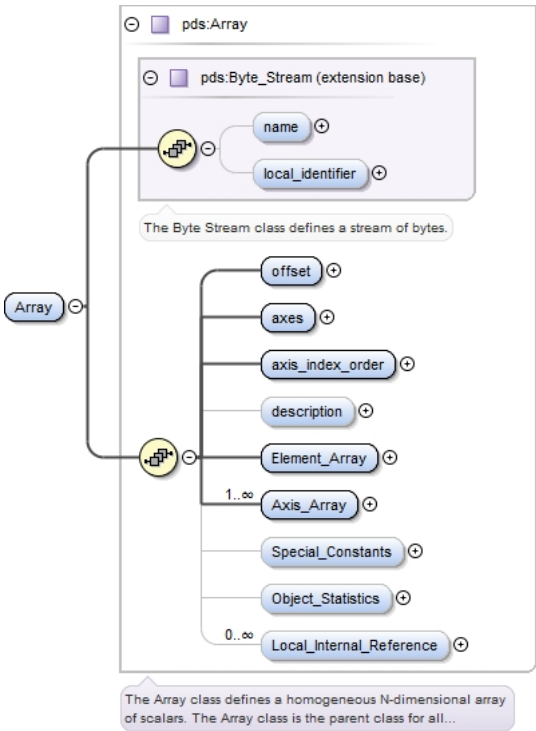
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The File Area Browse class describes a file and one or more tagged_data_objects contained within the file.</p>						
Type	pds:File_Area_Browse						
Type hierarchy	<ul style="list-style-type: none"> • pds:File_Area • pds:File_Area_Browse 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						

Model	pds:File , (pds:Array pds:Array_1D pds:Array_2D pds:Array_2D_Image pds:Array_2D_Map pds:Array_2D_Spectrum pds:Array_3D pds:Array_3D_Image pds:Array_3D_Movie pds:Array_3D_Spectrum pds:Encoded_Header pds:Encoded_Image pds:Header pds:Stream_Text pds:Table_Binary pds:Table_Character pds:Table_Delimited)
Children	pds:Array, pds:Array_1D, pds:Array_2D, pds:Array_2D_Image, pds:Array_2D_Map, pds:Array_2D_Spectrum, pds:Array_3D, pds:Array_3D_Image, pds:Array_3D_Movie, pds:Array_3D_Spectrum, pds:Encoded_Header, pds:Encoded_Image, pds:File, pds:Header, pds:Stream_Text, pds:Table_Binary, pds:Table_Character, pds:Table_Delimited
Instance	<pre><pds:File_Area_Browse xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:File>{1,1}</pds:File> <pds:Array>{1,1}</pds:Array> <pds:Array_1D>{1,1}</pds:Array_1D> <pds:Array_2D>{1,1}</pds:Array_2D> <pds:Array_2D_Image>{1,1}</pds:Array_2D_Image> <pds:Array_2D_Map>{1,1}</pds:Array_2D_Map> <pds:Array_2D_Spectrum>{1,1}</pds:Array_2D_Spectrum> <pds:Array_3D>{1,1}</pds:Array_3D> <pds:Array_3D_Image>{1,1}</pds:Array_3D_Image> <pds:Array_3D_Movie>{1,1}</pds:Array_3D_Movie> <pds:Array_3D_Spectrum>{1,1}</pds:Array_3D_Spectrum> <pds:Encoded_Header>{1,1}</pds:Encoded_Header> <pds:Encoded_Image>{1,1}</pds:Encoded_Image> <pds:Header>{1,1}</pds:Header> <pds:Stream_Text>{1,1}</pds:Stream_Text> <pds:Table_Binary>{1,1}</pds:Table_Binary> <pds:Table_Character>{1,1}</pds:Table_Character> <pds:Table_Delimited>{1,1}</pds:Table_Delimited> </pds:File_Area_Browse></pre>
Source	<pre><xs:element name="File_Area_Browse" type="pds:File_Area_Browse" minOccurs="1" maxOccurs="unbounded"> </xs:element></pre>

Element pds:File_Area_Browse / pds:File

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	 <pre> classDiagram class File { file_name local_identifier creation_date_time file_size records md5_checksum comment } </pre> <p>The File class consists of attributes that describe a file in a data store.</p>						
Type	pds:File						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:file_name , pds:local_identifier{0,1} , pds:creation_date_time{0,1} , pds:file_size{0,1} , pds:records{0,1} , pds:md5_checksum{0,1} , pds:comment{0,1}						
Children	pds:comment, pds:creation_date_time, pds:file_name, pds:file_size, pds:local_identifier, pds:md5_checksum, pds:records						
Instance	<pre><pds:File xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:file_name>{1,1}</pds:file_name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:creation_date_time>{0,1}</pds:creation_date_time> <pds:file_size unit="">{0,1}</pds:file_size> <pds:records>{0,1}</pds:records> <pds:md5_checksum>{0,1}</pds:md5_checksum> <pds:comment>{0,1}</pds:comment> </pds:File></pre>						
Source	<pre><xs:element name="File" type="pds:File" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:File_Area_Browse / pds:Array

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Array
Type hierarchy	<ul style="list-style-type: none"> pds:Byte_Stream pds:Array
Properties	content: complex
Model	pds:name{0,1}, pds:local_identifier{0,1}, pds:offset, pds:axes, pds:axis_index_order, pds:description{0,1}, pds:Element_Array, pds:Axis_Array+, pds:Special_Constants{0,1}, pds:Object_Statistics{0,1}, pds:Local_Internal_Reference*
Children	pds:Axis_Array, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Instance	<pre><pds:Array xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:axes>{1,1}</pds:axes> <pds:axis_index_order>{1,1}</pds:axis_index_order> <pds:description>{0,1}</pds:description> <pds:Element_Array>{1,1}</pds:Element_Array> <pds:Axis_Array>{1,unbounded}</pds:Axis_Array> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Object_Statistics>{0,1}</pds:Object_Statistics> <pds:Local_Internal_Reference>{0,unbounded}</pds:Local_Internal_Reference> </pds:Array></pre>
Source	<pre><xs:element name="Array" type="pds:Array"> </xs:element></pre>

Element pds:Array / pds:offset

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram									
Type	pds:offset								
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer <ul style="list-style-type: none"> • pds:offset_WO_Units • pds:offset 								
Properties	content:	complex							
	minOccurs:	1							
	maxOccurs:	1							
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Storage</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Storage	required		
QName	Type	Use							
unit	pds:Units_of_Storage	required							
Source	<pre><xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1"> </xs:element></pre>								

Element pds:Array / pds:axes

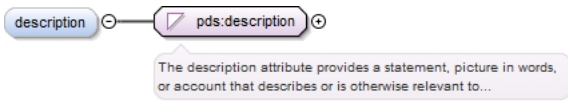
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:axes		
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer <ul style="list-style-type: none"> • pds:axes 		
Properties	content:	simple	
	minOccurs:	1	
	maxOccurs:	1	
Facets	maxInclusive	16	
	minInclusive	1	
Source	<pre><xs:element name="axes" type="pds:axes" minOccurs="1" maxOccurs="1"> </xs:element></pre>		

Element pds:Array / pds:axis_index_order

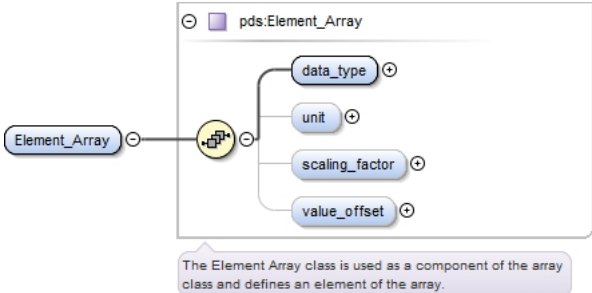
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:axis_index_order		
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> • pds:axis_index_order 		
Properties	content:	simple	

	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="axis_index_order" type="pds:axis_index_order" minOccurs="1" maxOccurs="1"> </xs:element></code>	

Element pds:Array / pds:description

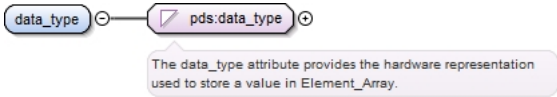
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:description	
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
Source	<code><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element></code>	

Element pds:Array / pds:Element_Array

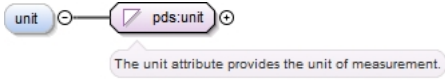
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:Element_Array	
Properties	content:	complex
	minOccurs:	1
	maxOccurs:	1
Model	pds:data_type , pds:unit{0,1} , pds:scaling_factor{0,1} , pds:value_offset{0,1}	
Children	pds:data_type, pds:scaling_factor, pds:unit, pds:value_offset	
Instance	<pre><pds:Element_Array xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:data_type>{1,1}</pds:data_type> <pds:unit>{0,1}</pds:unit> <pds:scaling_factor>{0,1}</pds:scaling_factor> <pds:value_offset>{0,1}</pds:value_offset> </pds:Element_Array></pre>	
Source	<code><xs:element name="Element_Array" type="pds:Element_Array" minOccurs="1" maxOccurs="1"> </xs:element></code>	

Element pds:Element_Array / pds:data_type

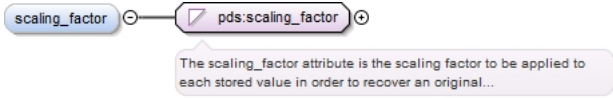
Namespace	http://pds.nasa.gov/pds4/pds/v1	
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Diagram							
Type	pds:data_type						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:data_type 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>1</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>maxLength</td><td>255</td></tr> <tr><td>pattern</td><td>\p{IsBasicLatin}*</td></tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="data_type" type="pds:data_type" minOccurs="1" maxOccurs="1"> </xs:element></code>						

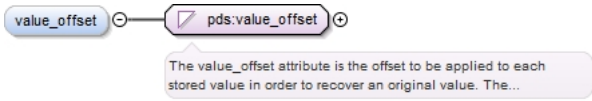
Element pds:Element_Array / pds:unit

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:unit						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:UTF8_Short_String_Collapsed • pds:unit 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>maxLength</td><td>255</td></tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<code><xs:element name="unit" type="pds:unit" minOccurs="0" maxOccurs="1"> </xs:element></code>						

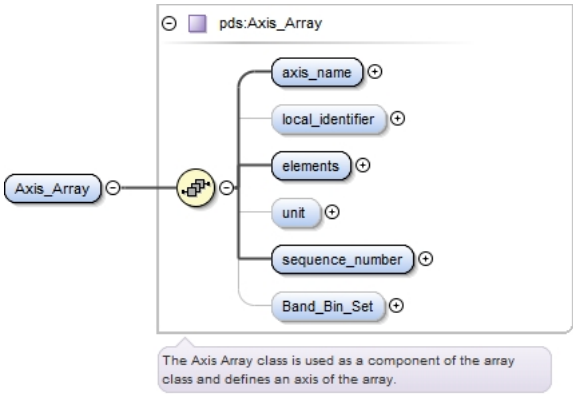
Element pds:Element_Array / pds:scaling_factor

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:scaling_factor						
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:scaling_factor 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xs:element name="scaling_factor" type="pds:scaling_factor" minOccurs="0" maxOccurs="1"> </xs:element></code>						

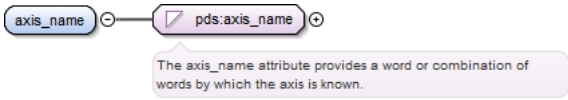
Element pds:Element_Array / pds:value_offset

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:value_offset						
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real pds:value_offset 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<pre><xs:element name="value_offset" type="pds:value_offset" minOccurs="0" maxOccurs="1" /> </xs:element></pre>						

Element pds:Array / pds:Axis_Array

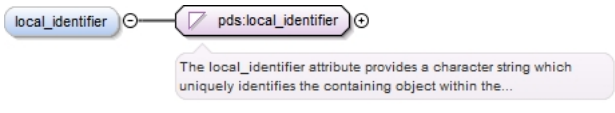
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Axis_Array						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	pds:axis_name , pds:local_identifier{0,1} , pds:elements , pds:unit{0,1} , pds:sequence_number , pds:Band_Bin_Set{0,1}						
Children	pds:Band_Bin_Set, pds:axis_name, pds:elements, pds:local_identifier, pds:sequence_number, pds:unit						
Instance	<pre><pds:Axis_Array xmlns:pds="http://pds.nasa.gov/pds4/pds/v1" > <pds:axis_name>{1,1}</pds:axis_name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:elements>{1,1}</pds:elements> <pds:unit>{0,1}</pds:unit> <pds:sequence_number>{1,1}</pds:sequence_number> <pds:Band_Bin_Set>{0,1}</pds:Band_Bin_Set> </pds:Axis_Array></pre>						
Source	<pre><xs:element name="Axis_Array" type="pds:Axis_Array" minOccurs="1" maxOccurs="unbounded" /> </xs:element></pre>						

Element pds:Axis_Array / pds:axis_name

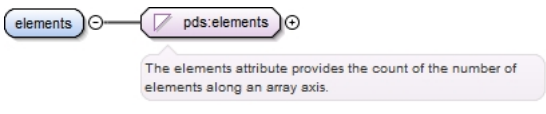
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:axis_name

Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> pds:axis_name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="axis_name" type="pds:axis_name" minOccurs="1" maxOccurs="1"></xs:element></code>						

Element pds:Axis_Array / pds:local_identifier

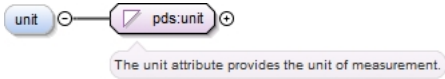
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:local_identifier						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> pds:local_identifier 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"></xs:element></code>						

Element pds:Axis_Array / pds:elements

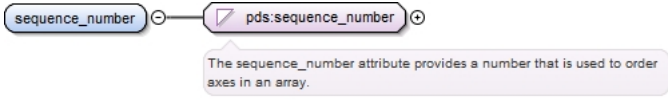
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:elements						
Type hierarchy	<ul style="list-style-type: none"> xs:integer pds:ASCII_Integer <ul style="list-style-type: none"> pds:elements 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minInclusive</td> <td>1</td> </tr> </table>	minInclusive	1				
minInclusive	1						
Source	<code><xs:element name="elements" type="pds:elements" minOccurs="1" maxOccurs="1"></xs:element></code>						

Element pds:Axis_Array / pds:unit

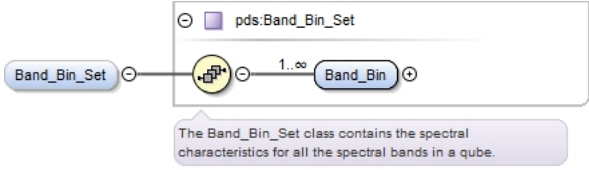
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:unit						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:UTF8_Short_String_Collapsed • pds:unit 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<pre><xs:element name="unit" type="pds:unit" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

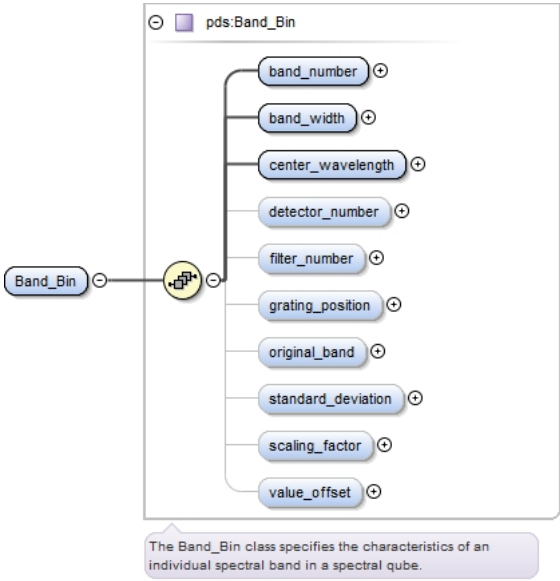
Element pds:Axis_Array / pds:sequence_number

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:sequence_number						
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:sequence_number 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>maxInclusive</td> <td>16</td> </tr> <tr> <td>minInclusive</td> <td>1</td> </tr> </table>	maxInclusive	16	minInclusive	1		
maxInclusive	16						
minInclusive	1						
Source	<pre><xs:element name="sequence_number" type="pds:sequence_number" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

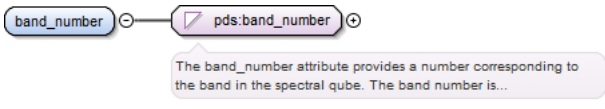
Element pds:Axis_Array / pds:Band_Bin_Set

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Band_Bin_Set						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:Band_Bin+						
Children	pds:Band_Bin						
Instance	<pre><pds:Band_Bin_Set xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Band_Bin>{1,unbounded}</pds:Band_Bin> </pds:Band_Bin_Set></pre>						
Source	<pre><xs:element name="Band_Bin_Set" type="pds:Band_Bin_Set" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Band_Bin_Set / pds:Band_Bin

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	 <p>The Band_Bin class specifies the characteristics of an individual spectral band in a spectral cube.</p>						
Type	pds:Band_Bin						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	pds:band_number , pds:band_width , pds:center_wavelength , pds:detector_number{0,1} , pds:filter_number{0,1} , pds:grating_position{0,1} , pds:original_band{0,1} , pds:standard_deviation{0,1} , pds:scaling_factor{0,1} , pds:value_offset{0,1}						
Children	pds:band_number, pds:band_width, pds:center_wavelength, pds:detector_number, pds:filter_number, pds:grating_position, pds:original_band, pds:scaling_factor, pds:standard_deviation, pds:value_offset						
Instance	<pre><pds:Band_Bin xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:band_number>{1,1}</pds:band_number> <pds:band_width unit="">{1,1}</pds:band_width> <pds:center_wavelength unit="">{1,1}</pds:center_wavelength> <pds:detector_number>{0,1}</pds:detector_number> <pds:filter_number>{0,1}</pds:filter_number> <pds:grating_position>{0,1}</pds:grating_position> <pds:original_band>{0,1}</pds:original_band> <pds:standard_deviation>{0,1}</pds:standard_deviation> <pds:scaling_factor>{0,1}</pds:scaling_factor> <pds:value_offset>{0,1}</pds:value_offset> </pds:Band_Bin></pre>						
Source	<xs:element name="Band_Bin" type="pds:Band_Bin" minOccurs="1" maxOccurs="unbounded"></xs:element>						

Element pds:Band_Bin / pds:band_number

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	 <p>The band_number attribute provides a number corresponding to the band in the spectral cube. The band number is...</p>						
Type	pds:band_number						
Type hierarchy	<ul style="list-style-type: none"> xs:integer pds:ASCII_Integer pds:band_number 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						

Facets	maxInclusive	512
	minInclusive	1
Source	<code><xs:element name="band_number" type="pds:band_number" minOccurs="1" maxOccurs="1" /></code>	

Element pds:Band_Bin / pds:band_width

Namespace	http://pds.nasa.gov/pds4/pds/v1								
Diagram									
Type	pds:band_width								
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:band_width_WO_Units • pds:band_width 								
Properties	content:	complex							
	minOccurs:	1							
	maxOccurs:	1							
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Length</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Length	required		
QName	Type	Use							
unit	pds:Units_of_Length	required							
Source	<code><xs:element name="band_width" type="pds:band_width" minOccurs="1" maxOccurs="1" /></code>								

Element pds:Band_Bin / pds:center_wavelength

Namespace	http://pds.nasa.gov/pds4/pds/v1								
Diagram									
Type	pds:center_wavelength								
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:center_wavelength_WO_Units • pds:center_wavelength 								
Properties	content:	complex							
	minOccurs:	1							
	maxOccurs:	1							
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Length</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Length	required		
QName	Type	Use							
unit	pds:Units_of_Length	required							

Source	<pre><xs:element name="center_wavelength" type="pds:center_wavelength" minOccurs="1" maxOccurs="1"> </xs:element></pre>
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Element pds:Band_Bin / pds:detector_number

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:detector_number						
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:detector_number 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	minInclusive 1						
Source	<pre><xs:element name="detector_number" type="pds:detector_number" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Band_Bin / pds:filter_number

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:filter_number						
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:filter_number 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	minInclusive 1						
Source	<pre><xs:element name="filter_number" type="pds:filter_number" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Band_Bin / pds:grating_position

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:grating_position						
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:grating_position 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	minInclusive 0						

Source	<code><xs:element name="grating_position" type="pds:grating_position" minOccurs="0" maxOccurs="1"> </xs:element></code>
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Element pds:Band_Bin / pds:original_band

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The original_band attribute of a spectral qube provides the sequence of band numbers in the qube relative to some...</p>						
Type	pds:original_band						
Type hierarchy	<ul style="list-style-type: none"> xs:integer pds:ASCII_Integer pds:original_band 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>maxInclusive</td> <td>512</td> </tr> <tr> <td>minInclusive</td> <td>1</td> </tr> </table>	maxInclusive	512	minInclusive	1		
maxInclusive	512						
minInclusive	1						
Source	<code><xs:element name="original_band" type="pds:original_band" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Band_Bin / pds:standard_deviation

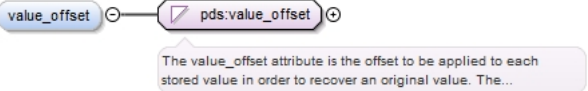
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The standard_deviation attribute provides the standard deviation of values in the associated object; empty and...</p>						
Type	pds:standard_deviation						
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real pds:standard_deviation 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minInclusive</td> <td>0</td> </tr> </table>	minInclusive	0				
minInclusive	0						
Source	<code><xs:element name="standard_deviation" type="pds:standard_deviation" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Band_Bin / pds:scaling_factor

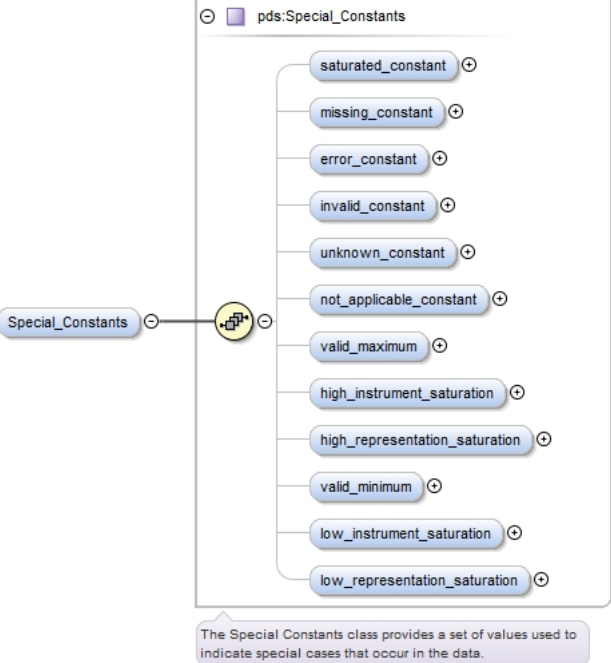
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The scaling_factor attribute is the scaling factor to be applied to each stored value in order to recover an original...</p>						
Type	pds:scaling_factor						
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real pds:scaling_factor 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Source	<code><xs:element name="scaling_factor" type="pds:scaling_factor" minOccurs="0" maxOccurs="1"> </xs:element></code>
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Element pds:Band_Bin / pds:value_offset

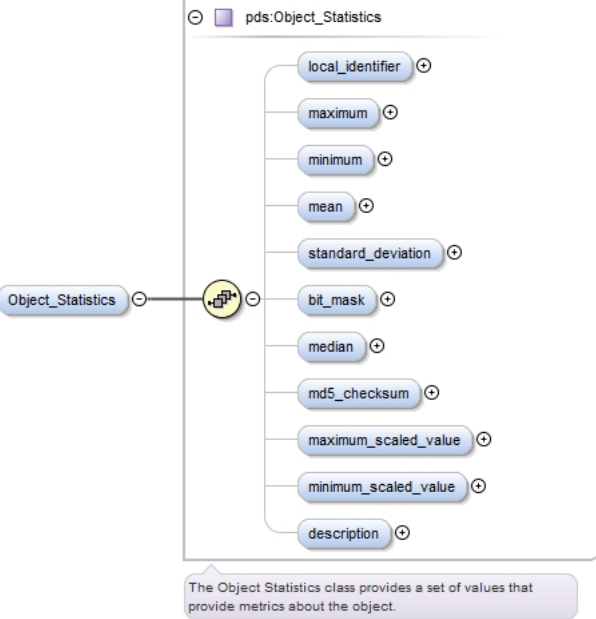
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:value_offset						
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:value_offset 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xs:element name="value_offset" type="pds:value_offset" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Array / pds:Special_Constants

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Special_Constants						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:saturated_constant{0,1} , pds:missing_constant{0,1} , pds:error_constant{0,1} , pds:invalid_constant{0,1} , pds:unknown_constant{0,1} , pds:not_applicable_constant{0,1} , pds:valid_maximum{0,1} , pds:high_instrument_saturation{0,1} , pds:high_representation_saturation{0,1} , pds:valid_minimum{0,1} , pds:low_instrument_saturation{0,1} , pds:low_representation_saturation{0,1}						
Children	pds:error_constant, pds:high_instrument_saturation, pds:high_representation_saturation, pds:invalid_constant, pds:low_instrument_saturation, pds:low_representation_saturation, pds:missing_constant, pds:not_applicable_constant, pds:saturated_constant, pds:unknown_constant, pds:valid_maximum, pds:valid_minimum						
Instance	<code><pds:Special_Constants xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:saturated_constant>{0,1}</pds:saturated_constant></code>						

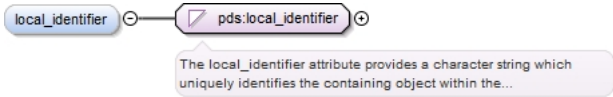
	<pre> <pds:missing_constant>{0,1}</pds:missing_constant> <pds:error_constant>{0,1}</pds:error_constant> <pds:invalid_constant>{0,1}</pds:invalid_constant> <pds:unknown_constant>{0,1}</pds:unknown_constant> <pds:not_applicable_constant>{0,1}</pds:not_applicable_constant> <pds:valid_maximum>{0,1}</pds:valid_maximum> <pds:high_instrument_saturation>{0,1}</pds:high_instrument_saturation> <pds:high_representation_saturation>{0,1}</pds:high_representation_saturation> <pds:valid_minimum>{0,1}</pds:valid_minimum> <pds:low_instrument_saturation>{0,1}</pds:low_instrument_saturation> <pds:low_representation_saturation>{0,1}</pds:low_representation_saturation> </pds:Special_Constants> </pre>
Source	<pre> <xs:element name="Special_Constants" type="pds:Special_Constants" minOccurs="0" maxOccurs="1"> </xs:element> </pre>

Element pds:Array / pds:Object_Statistics

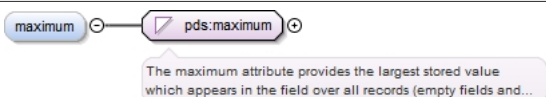
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Object_Statistics						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:local_identifier{0,1} , pds:maximum{0,1} , pds:minimum{0,1} , pds:mean{0,1} , pds:standard_deviation{0,1} , pds:bit_mask{0,1} , pds:median{0,1} , pds:md5_checksum{0,1} , pds:maximum_scaled_value{0,1} , pds:minimum_scaled_value{0,1} , pds:description{0,1}						
Children	pds:bit_mask, pds:description, pds:local_identifier, pds:maximum, pds:maximum_scaled_value, pds:md5_checksum, pds:mean, pds:median, pds:minimum, pds:minimum_scaled_value, pds:standard_deviation						
Instance	<pre> <pds:Object_Statistics xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:maximum>{0,1}</pds:maximum> <pds:minimum>{0,1}</pds:minimum> <pds:mean>{0,1}</pds:mean> <pds:standard_deviation>{0,1}</pds:standard_deviation> <pds:bit_mask>{0,1}</pds:bit_mask> <pds:median>{0,1}</pds:median> <pds:md5_checksum>{0,1}</pds:md5_checksum> <pds:maximum_scaled_value>{0,1}</pds:maximum_scaled_value> <pds:minimum_scaled_value>{0,1}</pds:minimum_scaled_value> <pds:description>{0,1}</pds:description> </pds:Object_Statistics> </pre>						
Source	<pre> <xs:element name="Object_Statistics" type="pds:Object_Statistics" minOccurs="0" maxOccurs="1"> </xs:element> </pre>						

Element pds:Object_Statistics / pds:local_identifier

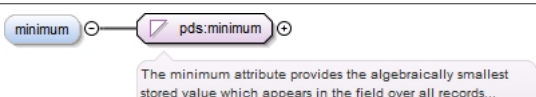
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:local_identifier						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:local_identifier 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>maxLength</td><td>255</td></tr> <tr><td>pattern</td><td>\p{IsBasicLatin}*</td></tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Object_Statistics / pds:maximum

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:maximum						
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:maximum 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xs:element name="maximum" type="pds:maximum" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Object_Statistics / pds:minimum

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:minimum						
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:minimum 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xs:element name="minimum" type="pds:minimum" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Object_Statistics / pds:mean

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:mean						
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:mean 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xs:element name="mean" type="pds:mean" minOccurs="0" maxOccurs="1"> </xs:element></code>						

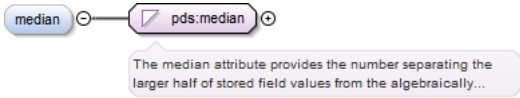
Element pds:Object_Statistics / pds:standard_deviation

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:standard_deviation						
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:standard_deviation 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minInclusive</td> <td>0</td> </tr> </table>	minInclusive	0				
minInclusive	0						
Source	<code><xs:element name="standard_deviation" type="pds:standard_deviation" minOccurs="0" maxOccurs="1"> </xs:element></code>						

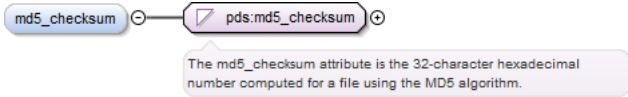
Element pds:Object_Statistics / pds:bit_mask

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:bit_mask						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Numeric_Base2 • pds:bit_mask 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>$([0-1]\{1,255\}) \& ([0-1]\{1,255\})$</td> </tr> </table>	minLength	1	maxLength	255	pattern	$([0-1]\{1,255\}) \& ([0-1]\{1,255\})$
minLength	1						
maxLength	255						
pattern	$([0-1]\{1,255\}) \& ([0-1]\{1,255\})$						
Source	<code><xs:element name="bit_mask" type="pds:bit_mask" minOccurs="0" maxOccurs="1"> </xs:element></code>						

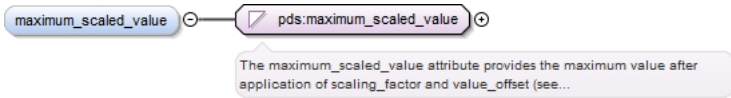
Element pds:Object_Statistics / pds:median

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:median						
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:median 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xs:element name="median" type="pds:median" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:Object_Statistics / pds:md5_checksum

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:md5_checksum						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_MD5_Checksum • pds:md5_checksum 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>32</td> </tr> <tr> <td>maxLength</td> <td>32</td> </tr> <tr> <td>pattern</td> <td>(([0-9a-fA-F]{32})) & ((([a-f0-9]{32})))</td> </tr> </table>	minLength	32	maxLength	32	pattern	(([0-9a-fA-F]{32})) & ((([a-f0-9]{32})))
minLength	32						
maxLength	32						
pattern	(([0-9a-fA-F]{32})) & ((([a-f0-9]{32})))						
Source	<code><xs:element name="md5_checksum" type="pds:md5_checksum" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:Object_Statistics / pds:maximum_scaled_value

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:maximum_scaled_value						
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:maximum_scaled_value 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xs:element name="maximum_scaled_value" type="pds:maximum_scaled_value" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:Object_Statistics / pds:minimum_scaled_value

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:minimum_scaled_value						
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real pds:minimum_scaled_value 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xs:element name="minimum_scaled_value" type="pds:minimum_scaled_value" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:Object_Statistics / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:UTF8_Text_Preserved pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<code><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:Array / pds:Local_Internal_Reference

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Local_Internal_Reference						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	pds:comment{0,1} , pds:local_identifier_reference , pds:local_reference_type						
Children	pds:comment, pds:local_identifier_reference, pds:local_reference_type						
Instance	<code><pds:Local_Internal_Reference xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"></code> <code><pds:comment>{0,1}</pds:comment></code> <code><pds:local_identifier_reference>{1,1}</pds:local_identifier_reference></code>						

	<code><pds:local_reference_type>{1,1}</pds:local_reference_type> </pds:Local_Internal_Reference></code>
Source	<code><xs:element name="Local_Internal_Reference" type="pds:Local_Internal_Reference" minOccurs="0" maxOccurs="unbounded"> </xs:element></code>

Element pds:Local_Internal_Reference / pds:comment

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The comment attribute is a character string expressing one or more remarks or thoughts relevant to the object.</p>						
Type	pds:comment						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Text_Preserved pds:comment 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>pattern</td><td>\p{IsBasicLatin}*</td></tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*		
minLength	1						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="comment" type="pds:comment" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Local_Internal_Reference / pds:local_identifier_reference

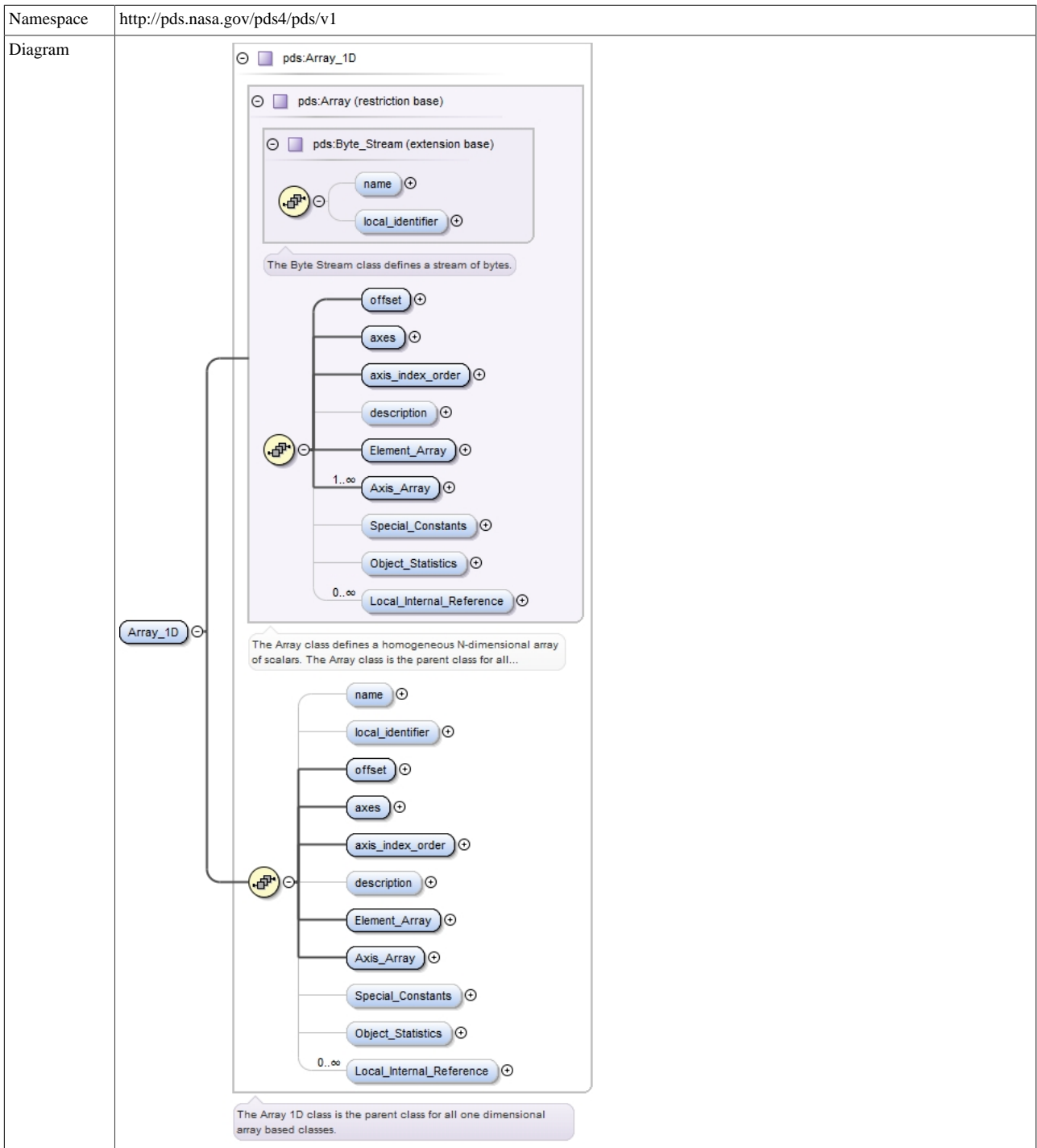
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The local_identifier_reference attribute provides the value of the local_identifier of the entity described by the...</p>						
Type	pds:local_identifier_reference						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:local_identifier_reference 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>1</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>maxLength</td><td>255</td></tr> <tr><td>pattern</td><td>\p{IsBasicLatin}*</td></tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="local_identifier_reference" type="pds:local_identifier_reference" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Local_Internal_Reference / pds:local_reference_type

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	<p>The local_reference_type attribute provides the name of an association between an entity identified by a...</p>
Type	pds:local_reference_type
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed

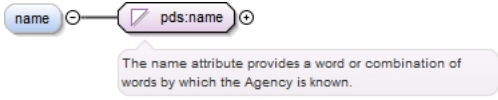
	<ul style="list-style-type: none"> • pds:local_reference_type
Properties	content: simple
	minOccurs: 1
	maxOccurs: 1
Facets	minLength 1
	maxLength 255
	pattern \p{IsBasicLatin}*
Source	<xs:element name="local_reference_type" type="pds:local_reference_type" minOccurs="1" maxOccurs="1"></xs:element>

Element pds:File_Area_Browse / pds:Array_1D

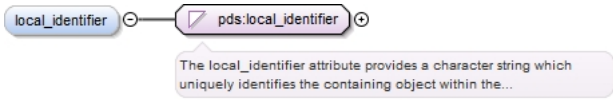


Type	pds:Array_1D
Type hierarchy	<ul style="list-style-type: none"> pds:Byte_Stream pds:Array pds:Array_1D
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference*
Children	pds:Axis_Array, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Instance	<pre><pds:Array_1D xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:axes>{1,1}</pds:axes> <pds:axis_index_order>{1,1}</pds:axis_index_order> <pds:description>{0,1}</pds:description> <pds:Element_Array>{1,1}</pds:Element_Array> <pds:Axis_Array>{1,1}</pds:Axis_Array> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Object_Statistics>{0,1}</pds:Object_Statistics> <pds:Local_Internal_Reference>{0,unbounded}</pds:Local_Internal_Reference> </pds:Array_1D></pre>
Source	<pre><xs:element name="Array_1D" type="pds:Array_1D"> </xs:element></pre>

Element pds:Array_1D / pds:name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:UTF8_Short_String_Collapsed pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<pre><xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Array_1D / pds:local_identifier

Namespace	http://pds.nasa.gov/pds4/pds/v1				
Diagram					
Type	pds:local_identifier				
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:local_identifier 				
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				

	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"> </xs:element></code>	

Element pds:Array_1D / pds:offset

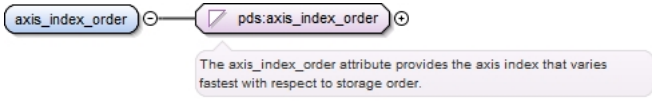
Namespace	http://pds.nasa.gov/pds4/pds/v1								
Diagram									
Type	pds:offset								
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer <ul style="list-style-type: none"> • pds:offset_WO_Units • pds:offset 								
Properties	content:	complex							
	minOccurs:	1							
	maxOccurs:	1							
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Storage</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Storage	required		
QName	Type	Use							
unit	pds:Units_of_Storage	required							
Source	<code><xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1"> </xs:element></code>								

Element pds:Array_1D / pds:axes

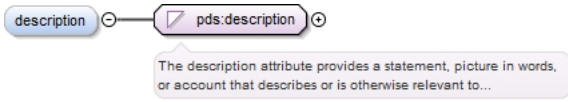
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:axes		
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer <ul style="list-style-type: none"> • pds:axes 		
Properties	content:	simple	
	minOccurs:	1	
	maxOccurs:	1	
Facets	maxInclusive	16	
	minInclusive	1	
Source	<code><xs:element name="axes" type="pds:axes" minOccurs="1" maxOccurs="1"> </xs:element></code>		

Element pds:Array_1D / pds:axis_index_order

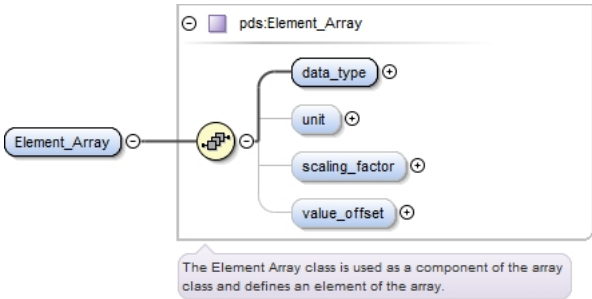
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:axis_index_order						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:axis_index_order 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="axis_index_order" type="pds:axis_index_order" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Array_1D / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<code><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Array_1D / pds:Element_Array

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Element_Array						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:data_type , pds:unit{0,1} , pds:scaling_factor{0,1} , pds:value_offset{0,1}						

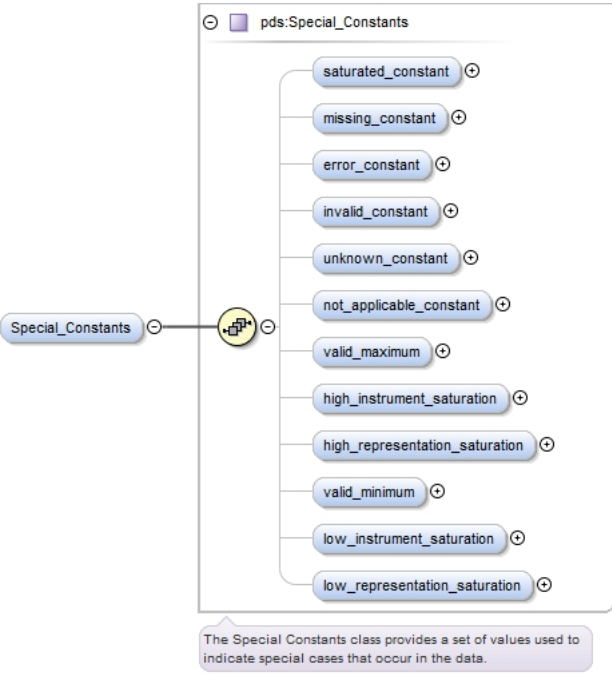
Children	pds:data_type, pds:scaling_factor, pds:unit, pds:value_offset
Instance	<pre><pds:Element_Array xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:data_type>{1,1}</pds:data_type> <pds:unit>{0,1}</pds:unit> <pds:scaling_factor>{0,1}</pds:scaling_factor> <pds:value_offset>{0,1}</pds:value_offset> </pds:Element_Array></pre>
Source	<pre><xs:element name="Element_Array" type="pds:Element_Array" minOccurs="1" maxOccurs="1"> </xs:element></pre>

Element pds:Array_1D / pds:Axis_Array

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Axis_Array						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:axis_name , pds:local_identifier{0,1} , pds:elements , pds:unit{0,1} , pds:sequence_number , pds:Band_Bin_Set{0,1}						
Children	pds:Band_Bin_Set, pds:axis_name, pds:elements, pds:local_identifier, pds:sequence_number, pds:unit						
Instance	<pre><pds:Axis_Array xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:axis_name>{1,1}</pds:axis_name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:elements>{1,1}</pds:elements> <pds:unit>{0,1}</pds:unit> <pds:sequence_number>{1,1}</pds:sequence_number> <pds:Band_Bin_Set>{0,1}</pds:Band_Bin_Set> </pds:Axis_Array></pre>						
Source	<pre><xs:element name="Axis_Array" type="pds:Axis_Array" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

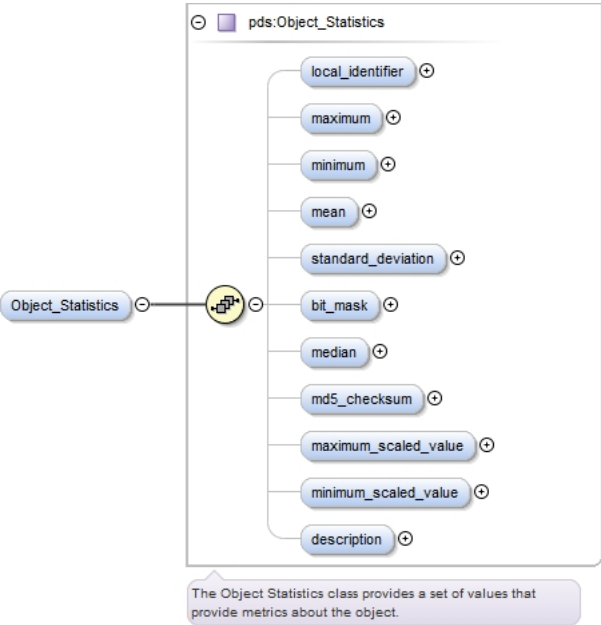
Element pds:Array_1D / pds:Special_Constants

Namespace	http://pds.nasa.gov/pds4/pds/v1
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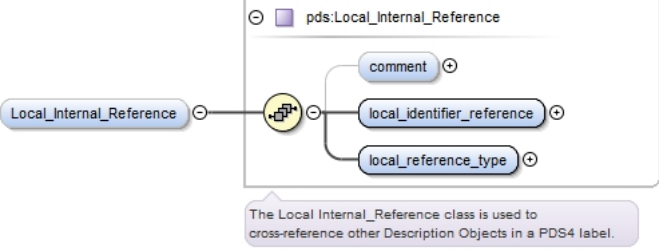
Diagram							
Type	pds:Special_Constants						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	<p>pds:saturated_constant{0,1} , pds:missing_constant{0,1} , pds:error_constant{0,1} , pds:invalid_constant{0,1} , pds:unknown_constant{0,1} , pds:not_applicable_constant{0,1} , pds:valid_maximum{0,1} , pds:high_instrument_saturation{0,1} , pds:high_representation_saturation{0,1} , pds:valid_minimum{0,1} , pds:low_instrument_saturation{0,1} , pds:low_representation_saturation{0,1}</p>						
Children	<p>pds:error_constant, pds:high_instrument_saturation, pds:high_representation_saturation, pds:invalid_constant, pds:low_instrument_saturation, pds:low_representation_saturation, pds:missing_constant, pds:not_applicable_constant, pds:saturated_constant, pds:unknown_constant, pds:valid_maximum, pds:valid_minimum</p>						
Instance	<pre><pds:Special_Constants xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:saturated_constant>{0,1}</pds:saturated_constant> <pds:missing_constant>{0,1}</pds:missing_constant> <pds:error_constant>{0,1}</pds:error_constant> <pds:invalid_constant>{0,1}</pds:invalid_constant> <pds:unknown_constant>{0,1}</pds:unknown_constant> <pds:not_applicable_constant>{0,1}</pds:not_applicable_constant> <pds:valid_maximum>{0,1}</pds:valid_maximum> <pds:high_instrument_saturation>{0,1}</pds:high_instrument_saturation> <pds:high_representation_saturation>{0,1}</pds:high_representation_saturation> <pds:valid_minimum>{0,1}</pds:valid_minimum> <pds:low_instrument_saturation>{0,1}</pds:low_instrument_saturation> <pds:low_representation_saturation>{0,1}</pds:low_representation_saturation> </pds:Special_Constants></pre>						
Source	<pre><xs:element name="Special_Constants" type="pds:Special_Constants" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Array_1D / pds:Object_Statistics

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:Object_Statistics						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	<p>pds:local_identifier{0,1} , pds:maximum{0,1} , pds:minimum{0,1} , pds:mean{0,1} , pds:standard_deviation{0,1} , pds:bit_mask{0,1} , pds:median{0,1} , pds:md5_checksum{0,1} , pds:maximum_scaled_value{0,1} , pds:minimum_scaled_value{0,1} , pds:description{0,1}</p>						
Children	<p>pds:bit_mask, pds:description, pds:local_identifier, pds:maximum, pds:maximum_scaled_value, pds:md5_checksum, pds:mean, pds:median, pds:minimum, pds:minimum_scaled_value, pds:standard_deviation</p>						
Instance	<pre><pds:Object_Statistics xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:maximum>{0,1}</pds:maximum> <pds:minimum>{0,1}</pds:minimum> <pds:mean>{0,1}</pds:mean> <pds:standard_deviation>{0,1}</pds:standard_deviation> <pds:bit_mask>{0,1}</pds:bit_mask> <pds:median>{0,1}</pds:median> <pds:md5_checksum>{0,1}</pds:md5_checksum> <pds:maximum_scaled_value>{0,1}</pds:maximum_scaled_value> <pds:minimum_scaled_value>{0,1}</pds:minimum_scaled_value> <pds:description>{0,1}</pds:description> </pds:Object_Statistics></pre>						
Source	<pre><xs:element name="Object_Statistics" type="pds:Object_Statistics" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Array_1D / pds:Local_Internal_Reference

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Local_Internal_Reference						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						

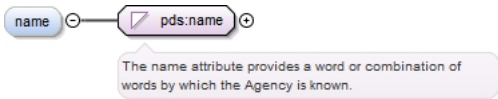
Model	pds:comment{0,1} , pds:local_identifier_reference , pds:local_reference_type
Children	pds:comment, pds:local_identifier_reference, pds:local_reference_type
Instance	<pre><pds:Local_Internal_Reference xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:comment>{0,1}</pds:comment> <pds:local_identifier_reference>{1,1}</pds:local_identifier_reference> <pds:local_reference_type>{1,1}</pds:local_reference_type> </pds:Local_Internal_Reference></pre>
Source	<pre><xs:element name="Local_Internal_Reference" type="pds:Local_Internal_Reference" minOccurs="0" maxOccurs="unbounded"> </xs:element></pre>

Element pds:File_Area_Browse / pds:Array_2D

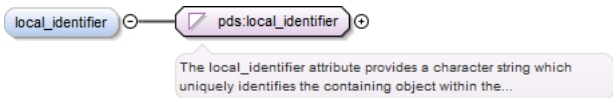
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	<p>The diagram illustrates the class hierarchy for pds:Array_2D. It shows three main classes: pds:Byte_Stream (extension base), pds:Array (restriction base), and pds:Array_2D. pds:Byte_Stream has attributes name and local_identifier. pds:Array has attributes offset, axes, axis_index_order, description, Element_Array, Axis_Array (1..∞), Special_Constants, Object_Statistics, and Local_Internal_Reference (0..∞). pds:Array_2D has attributes name, local_identifier, offset, axes, axis_index_order, description, Element_Array, Axis_Array (2), Special_Constants, Object_Statistics, and Local_Internal_Reference (0..∞). Explanatory text boxes describe the classes: 'The Byte Stream class defines a stream of bytes.', 'The Array class defines a homogeneous N-dimensional array of scalars. The Array class is the parent class for all...', and 'The Array 2D class is the parent class for all two dimensional array based classes.'</p>
Type	pds:Array_2D
Type hierarchy	<ul style="list-style-type: none"> pds:Byte_Stream

	<ul style="list-style-type: none"> • pds:Array • pds:Array_2D
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array{2,2} , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference*
Children	pds:Axis_Array, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Instance	<pre><pds:Array_2D xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:axes>{1,1}</pds:axes> <pds:axis_index_order>{1,1}</pds:axis_index_order> <pds:description>{0,1}</pds:description> <pds:Element_Array>{1,1}</pds:Element_Array> <pds:Axis_Array>{2,2}</pds:Axis_Array> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Object_Statistics>{0,1}</pds:Object_Statistics> <pds:Local_Internal_Reference>{0,unbounded}</pds:Local_Internal_Reference> </pds:Array_2D></pre>
Source	<pre><xs:element name="Array_2D" type="pds:Array_2D"> </xs:element></pre>

Element pds:Array_2D / pds:name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:UTF8_Short_String_Collapsed • pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<pre><xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Array_2D / pds:local_identifier

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:local_identifier						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:local_identifier 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Facets	minLength	1
	maxLength	255
	pattern	\p{[IsBasicLatin]}*
Source	<code><xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"> </xs:element></code>	

Element pds:Array_2D / pds:offset

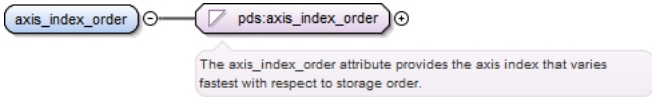
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:offset		
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer <ul style="list-style-type: none"> • pds:offset_WO_Units • pds:offset 		
Properties	content:	complex	
	minOccurs:	1	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Storage	required
Source	<code><xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1"> </xs:element></code>		

Element pds:Array_2D / pds:axes

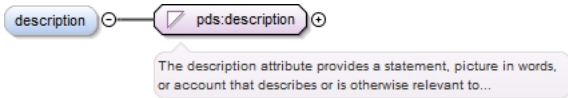
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:axes		
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer <ul style="list-style-type: none"> • pds:axes 		
Properties	content:	simple	
	minOccurs:	1	
	maxOccurs:	1	
Facets	maxInclusive	16	
	minInclusive	1	
Source	<code><xs:element name="axes" type="pds:axes" minOccurs="1" maxOccurs="1"> </xs:element></code>		

Element pds:Array_2D / pds:axis_index_order

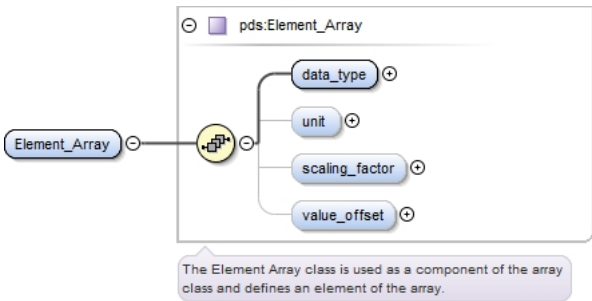
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:axis_index_order						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:axis_index_order 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>1</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>maxLength</td><td>255</td></tr> <tr><td>pattern</td><td>\p{IsBasicLatin}*</td></tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="axis_index_order" type="pds:axis_index_order" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Array_2D / pds:description

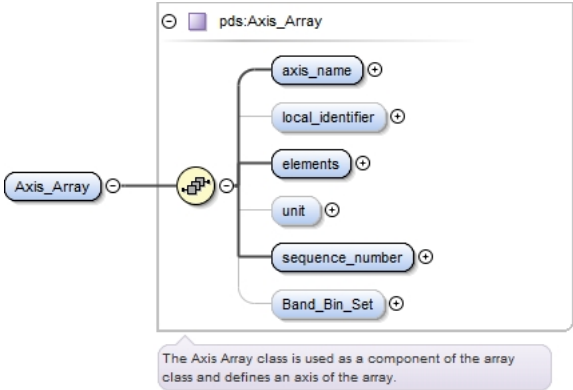
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> </table>	minLength	1				
minLength	1						
Source	<code><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Array_2D / pds:Element_Array

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Element_Array						
Properties	<table border="1"> <tr><td>content:</td><td>complex</td></tr> <tr><td>minOccurs:</td><td>1</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:data_type , pds:unit{0,1} , pds:scaling_factor{0,1} , pds:value_offset{0,1}						

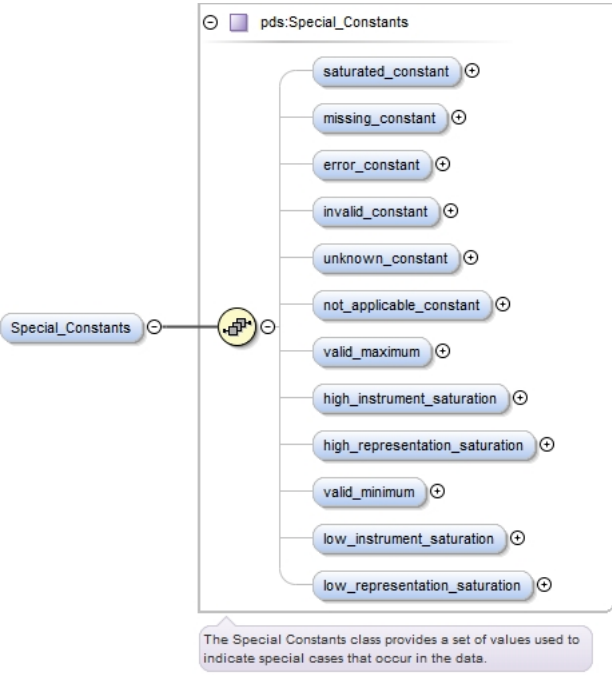
Children	pds:data_type, pds:scaling_factor, pds:unit, pds:value_offset
Instance	<pre><pds:Element_Array xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:data_type>{1,1}</pds:data_type> <pds:unit>{0,1}</pds:unit> <pds:scaling_factor>{0,1}</pds:scaling_factor> <pds:value_offset>{0,1}</pds:value_offset> </pds:Element_Array></pre>
Source	<pre><xs:element name="Element_Array" type="pds:Element_Array" minOccurs="1" maxOccurs="1"> </xs:element></pre>

Element pds:Array_2D / pds:Axis_Array

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	 <pre> classDiagram class pdsArray_2D class pdsAxis_Array { axis_name local_identifier elements unit sequence_number Band_Bin_Set } pdsArray_2D -- pdsAxis_Array </pre> <p>The Axis Array class is used as a component of the array class and defines an axis of the array.</p>						
Type	pds:Axis_Array						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>2</td> </tr> <tr> <td>maxOccurs:</td> <td>2</td> </tr> </table>	content:	complex	minOccurs:	2	maxOccurs:	2
content:	complex						
minOccurs:	2						
maxOccurs:	2						
Model	pds:axis_name , pds:local_identifier{0,1} , pds:elements , pds:unit{0,1} , pds:sequence_number , pds:Band_Bin_Set{0,1}						
Children	pds:Band_Bin_Set, pds:axis_name, pds:elements, pds:local_identifier, pds:sequence_number, pds:unit						
Instance	<pre><pds:Axis_Array xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:axis_name>{1,1}</pds:axis_name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:elements>{1,1}</pds:elements> <pds:unit>{0,1}</pds:unit> <pds:sequence_number>{1,1}</pds:sequence_number> <pds:Band_Bin_Set>{0,1}</pds:Band_Bin_Set> </pds:Axis_Array></pre>						
Source	<pre><xs:element name="Axis_Array" type="pds:Axis_Array" minOccurs="2" maxOccurs="2"> </xs:element></pre>						

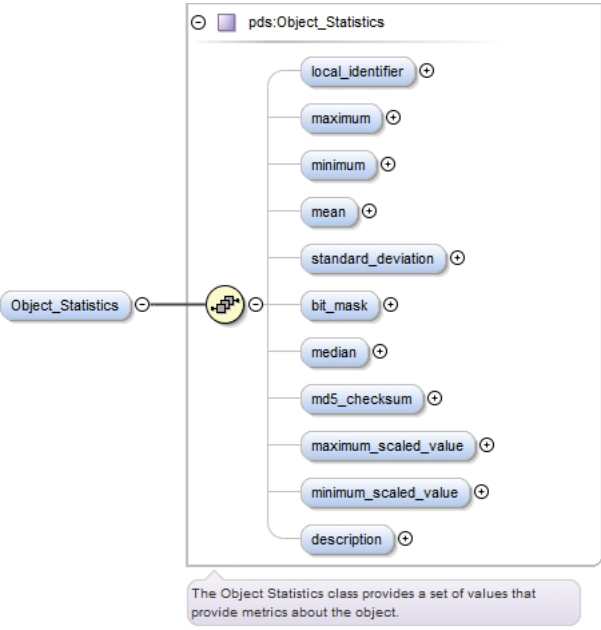
Element pds:Array_2D / pds:Special_Constants

Namespace	http://pds.nasa.gov/pds4/pds/v1
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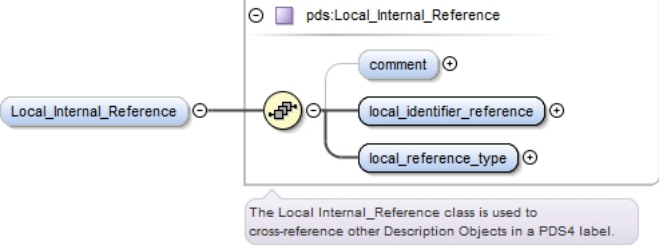
Diagram							
Type	pds:Special_Constants						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	<p>pds:saturated_constant{0,1} , pds:missing_constant{0,1} , pds:error_constant{0,1} , pds:invalid_constant{0,1} , pds:unknown_constant{0,1} , pds:not_applicable_constant{0,1} , pds:valid_maximum{0,1} , pds:high_instrument_saturation{0,1} , pds:high_representation_saturation{0,1} , pds:valid_minimum{0,1} , pds:low_instrument_saturation{0,1} , pds:low_representation_saturation{0,1}</p>						
Children	<p>pds:error_constant, pds:high_instrument_saturation, pds:high_representation_saturation, pds:invalid_constant, pds:low_instrument_saturation, pds:low_representation_saturation, pds:missing_constant, pds:not_applicable_constant, pds:saturated_constant, pds:unknown_constant, pds:valid_maximum, pds:valid_minimum</p>						
Instance	<pre><pds:Special_Constants xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:saturated_constant>{0,1}</pds:saturated_constant> <pds:missing_constant>{0,1}</pds:missing_constant> <pds:error_constant>{0,1}</pds:error_constant> <pds:invalid_constant>{0,1}</pds:invalid_constant> <pds:unknown_constant>{0,1}</pds:unknown_constant> <pds:not_applicable_constant>{0,1}</pds:not_applicable_constant> <pds:valid_maximum>{0,1}</pds:valid_maximum> <pds:high_instrument_saturation>{0,1}</pds:high_instrument_saturation> <pds:high_representation_saturation>{0,1}</pds:high_representation_saturation> <pds:valid_minimum>{0,1}</pds:valid_minimum> <pds:low_instrument_saturation>{0,1}</pds:low_instrument_saturation> <pds:low_representation_saturation>{0,1}</pds:low_representation_saturation> </pds:Special_Constants></pre>						
Source	<pre><xs:element name="Special_Constants" type="pds:Special_Constants" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Array_2D / pds:Object_Statistics

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:Object_Statistics						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	<p>pds:local_identifier{0,1} , pds:maximum{0,1} , pds:minimum{0,1} , pds:mean{0,1} , pds:standard_deviation{0,1} , pds:bit_mask{0,1} , pds:median{0,1} , pds:md5_checksum{0,1} , pds:maximum_scaled_value{0,1} , pds:minimum_scaled_value{0,1} , pds:description{0,1}</p>						
Children	<p>pds:bit_mask, pds:description, pds:local_identifier, pds:maximum, pds:maximum_scaled_value, pds:md5_checksum, pds:mean, pds:median, pds:minimum, pds:minimum_scaled_value, pds:standard_deviation</p>						
Instance	<pre><pds:Object_Statistics xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:maximum>{0,1}</pds:maximum> <pds:minimum>{0,1}</pds:minimum> <pds:mean>{0,1}</pds:mean> <pds:standard_deviation>{0,1}</pds:standard_deviation> <pds:bit_mask>{0,1}</pds:bit_mask> <pds:median>{0,1}</pds:median> <pds:md5_checksum>{0,1}</pds:md5_checksum> <pds:maximum_scaled_value>{0,1}</pds:maximum_scaled_value> <pds:minimum_scaled_value>{0,1}</pds:minimum_scaled_value> <pds:description>{0,1}</pds:description> </pds:Object_Statistics></pre>						
Source	<pre><xs:element name="Object_Statistics" type="pds:Object_Statistics" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Array_2D / pds:Local_Internal_Reference

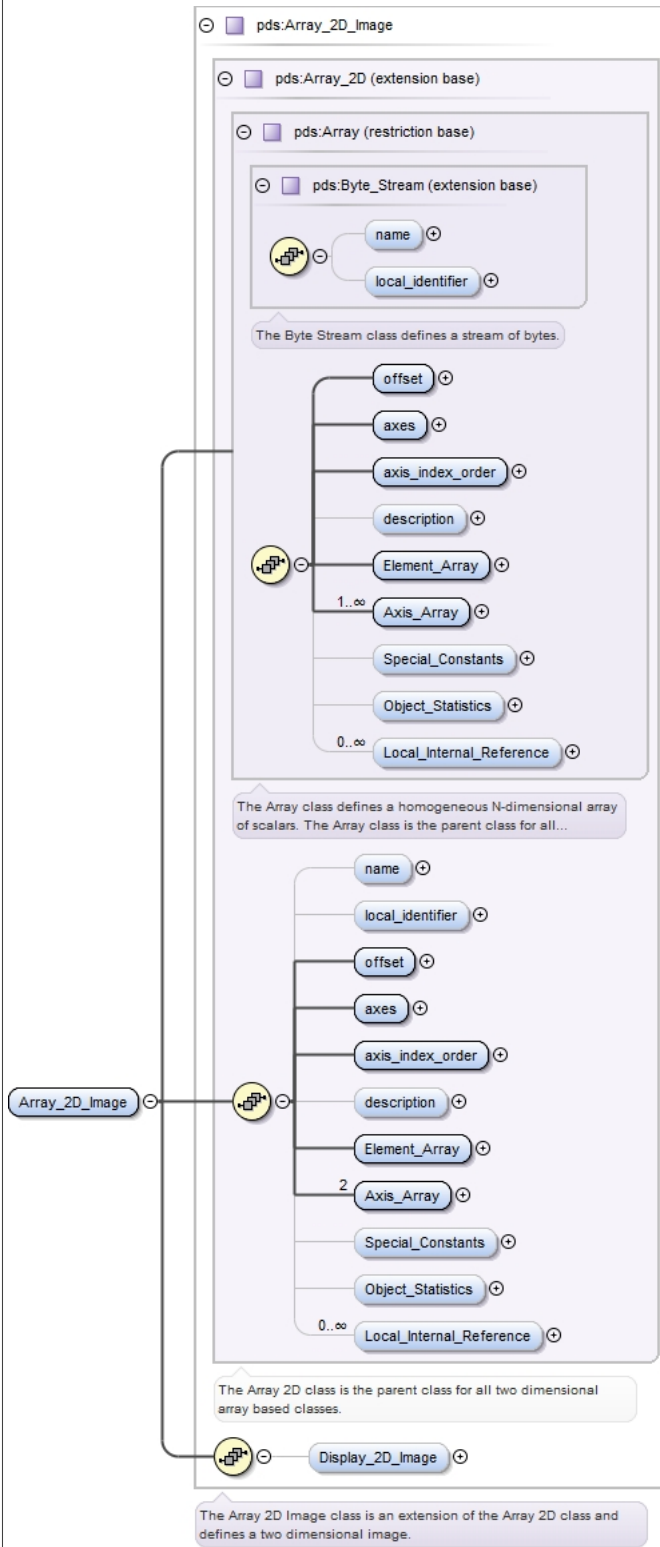
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Local_Internal_Reference						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						

Model	pds:comment{0,1} , pds:local_identifier_reference , pds:local_reference_type
Children	pds:comment, pds:local_identifier_reference, pds:local_reference_type
Instance	<pre><pds:Local_Internal_Reference xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:comment>{0,1}</pds:comment> <pds:local_identifier_reference>{1,1}</pds:local_identifier_reference> <pds:local_reference_type>{1,1}</pds:local_reference_type> </pds:Local_Internal_Reference></pre>
Source	<pre><xs:element name="Local_Internal_Reference" type="pds:Local_Internal_Reference" minOccurs="0" maxOccurs="unbounded"> </xs:element></pre>

Element pds:File_Area_Browse / pds:Array_2D_Image

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram



Type	pds:Array_2D_Image
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Array • pds:Array_2D • pds:Array_2D_Image
Properties	content: complex

Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array{2,2} , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference* , pds:Display_2D_Image{0,1}
Children	pds:Axis_Array, pds:Display_2D_Image, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Instance	<pre><pds:Array_2D_Image xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:axes>{1,1}</pds:axes> <pds:axis_index_order>{1,1}</pds:axis_index_order> <pds:description>{0,1}</pds:description> <pds:Element_Array>{1,1}</pds:Element_Array> <pds:Axis_Array>{2,2}</pds:Axis_Array> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Object_Statistics>{0,1}</pds:Object_Statistics> <pds:Local_Internal_Reference>{0,unbounded}</pds:Local_Internal_Reference> <pds:Display_2D_Image>{0,1}</pds:Display_2D_Image> </pds:Array_2D_Image></pre>
Source	<pre><xs:element name="Array_2D_Image" type="pds:Array_2D_Image"> </xs:element></pre>

Element pds:Array_2D_Image / pds:Display_2D_Image

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Display_2D_Image
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	pds:line_display_direction , pds:sample_display_direction
Children	pds:line_display_direction, pds:sample_display_direction
Instance	<pre><pds:Display_2D_Image xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:line_display_direction>{1,1}</pds:line_display_direction> <pds:sample_display_direction>{1,1}</pds:sample_display_direction> </pds:Display_2D_Image></pre>
Source	<pre><xs:element name="Display_2D_Image" type="pds:Display_2D_Image" minOccurs="0" maxOccurs="1"> </xs:element></pre>

Element pds:Display_2D_Image / pds:line_display_direction

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:line_display_direction
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:line_display_direction
Properties	content: simple minOccurs: 1 maxOccurs: 1
Facets	minLength 1

	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<pre><xs:element name="line_display_direction" type="pds:line_display_direction" minOccurs="1" maxOccurs="1"> </xs:element></pre>	

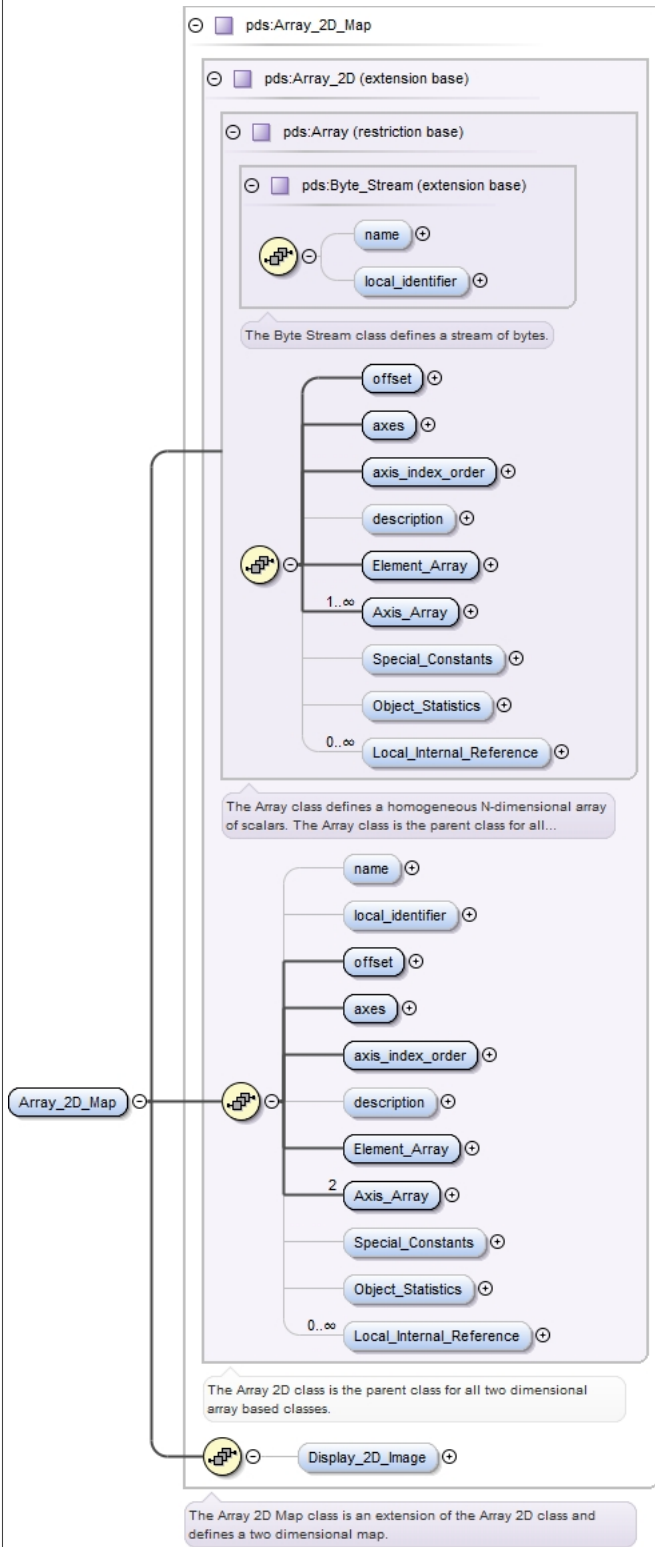
Element pds:Display_2D_Image / pds:sample_display_direction

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:sample_display_direction	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:sample_display_direction 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<pre><xs:element name="sample_display_direction" type="pds:sample_display_direction" minOccurs="1" maxOccurs="1"> </xs:element></pre>	

Element pds:File_Area_Browse / pds:Array_2D_Map

Namespace	http://pds.nasa.gov/pds4/pds/v1
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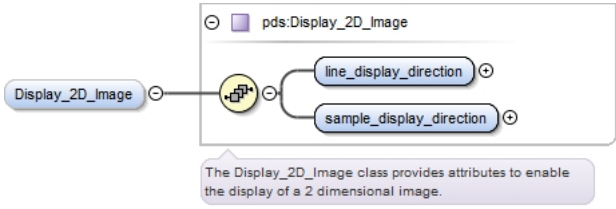
Diagram



Type	pds:Array_2D_Map
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Array • pds:Array_2D • pds:Array_2D_Map
Properties	content: complex

Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array{2,2} , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference* , pds:Display_2D_Image{0,1}
Children	pds:Axis_Array, pds:Display_2D_Image, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Instance	<pre><pds:Array_2D_Map xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:axes>{1,1}</pds:axes> <pds:axis_index_order>{1,1}</pds:axis_index_order> <pds:description>{0,1}</pds:description> <pds:Element_Array>{1,1}</pds:Element_Array> <pds:Axis_Array>{2,2}</pds:Axis_Array> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Object_Statistics>{0,1}</pds:Object_Statistics> <pds:Local_Internal_Reference>{0,unbounded}</pds:Local_Internal_Reference> <pds:Display_2D_Image>{0,1}</pds:Display_2D_Image> </pds:Array_2D_Map></pre>
Source	<pre><xs:element name="Array_2D_Map" type="pds:Array_2D_Map"> </xs:element></pre>

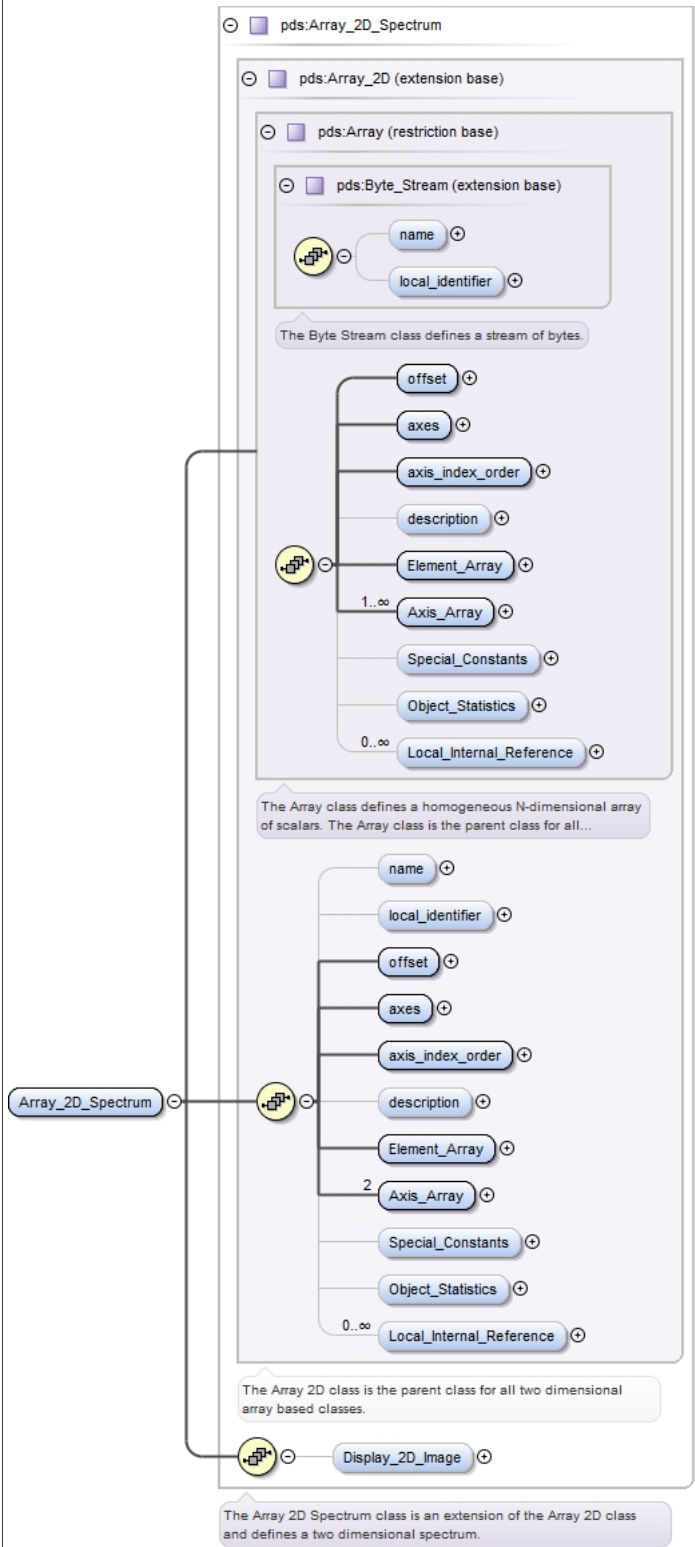
Element pds:Array_2D_Map / pds:Display_2D_Image

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Display_2D_Image						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:line_display_direction , pds:sample_display_direction						
Children	pds:line_display_direction, pds:sample_display_direction						
Instance	<pre><pds:Display_2D_Image xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:line_display_direction>{1,1}</pds:line_display_direction> <pds:sample_display_direction>{1,1}</pds:sample_display_direction> </pds:Display_2D_Image></pre>						
Source	<pre><xs:element name="Display_2D_Image" type="pds:Display_2D_Image" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:File_Area_Browse / pds:Array_2D_Spectrum

Namespace	http://pds.nasa.gov/pds4/pds/v1
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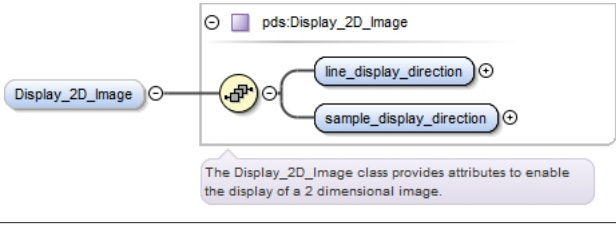
Diagram



Type	pds:Array_2D_Spectrum
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Array <ul style="list-style-type: none"> • pds:Array_2D <ul style="list-style-type: none"> • pds:Array_2D_Spectrum
Properties	content: complex

Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array{2,2} , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference* , pds:Display_2D_Image{0,1}
Children	pds:Axis_Array, pds:Display_2D_Image, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Instance	<pre><pds:Array_2D_Spectrum xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:axes>{1,1}</pds:axes> <pds:axis_index_order>{1,1}</pds:axis_index_order> <pds:description>{0,1}</pds:description> <pds:Element_Array>{1,1}</pds:Element_Array> <pds:Axis_Array>{2,2}</pds:Axis_Array> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Object_Statistics>{0,1}</pds:Object_Statistics> <pds:Local_Internal_Reference>{0,unbounded}</pds:Local_Internal_Reference> <pds:Display_2D_Image>{0,1}</pds:Display_2D_Image> </pds:Array_2D_Spectrum></pre>
Source	<pre><xs:element name="Array_2D_Spectrum" type="pds:Array_2D_Spectrum"> </xs:element></pre>

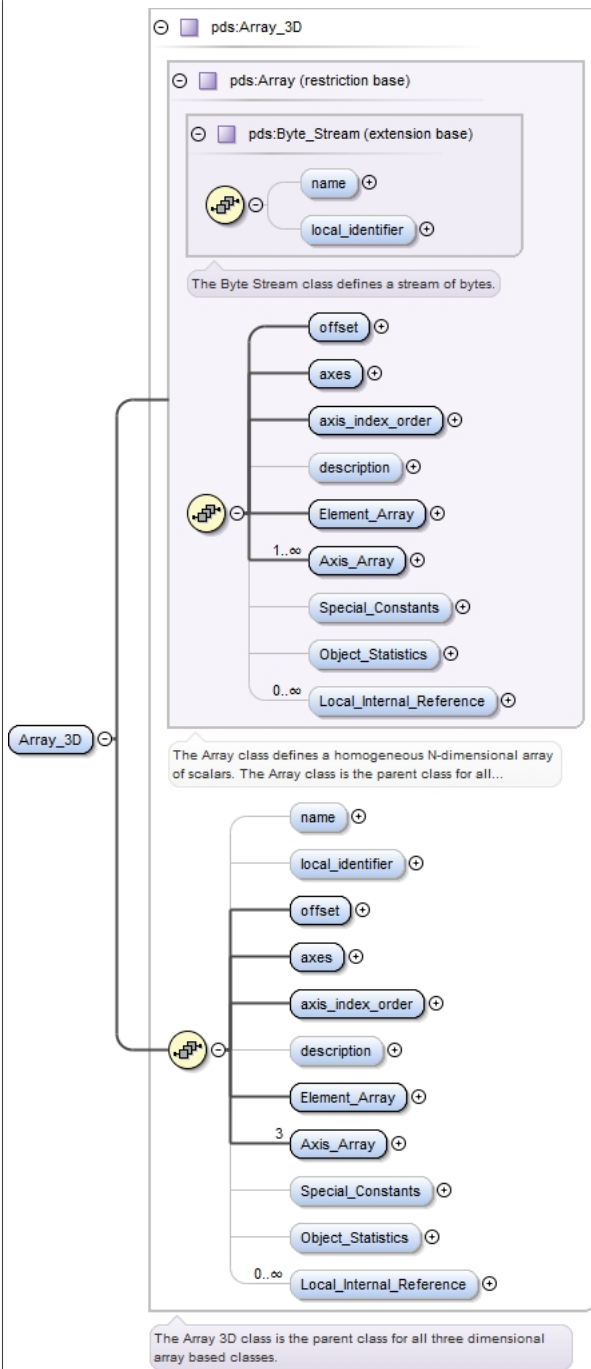
Element pds:Array_2D_Spectrum / pds:Display_2D_Image

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Display_2D_Image						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:line_display_direction , pds:sample_display_direction						
Children	pds:line_display_direction, pds:sample_display_direction						
Instance	<pre><pds:Display_2D_Image xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:line_display_direction>{1,1}</pds:line_display_direction> <pds:sample_display_direction>{1,1}</pds:sample_display_direction> </pds:Display_2D_Image></pre>						
Source	<pre><xs:element name="Display_2D_Image" type="pds:Display_2D_Image" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:File_Area_Browse / pds:Array_3D

Namespace	http://pds.nasa.gov/pds4/pds/v1
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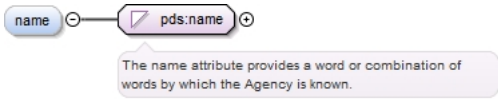
Diagram



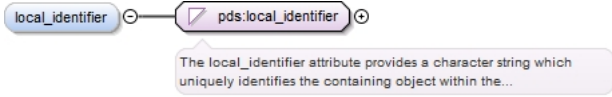
Type	pds:Array_3D
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Array • pds:Array_3D
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array{3,3} , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference*
Children	pds:Axis_Array, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Instance	<pre><pds:Array_3D xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:axes>{1,1}</pds:axes></pre>

	<pre><pds:axis_index_order>{1,1}</pds:axis_index_order> <pds:description>{0,1}</pds:description> <pds:Element_Array>{1,1}</pds:Element_Array> <pds:Axis_Array>{3,3}</pds:Axis_Array> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Object_Statistics>{0,1}</pds:Object_Statistics> <pds:Local_Internal_Reference>{0,unbounded}</pds:Local_Internal_Reference> </pds:Array_3D></pre>
Source	<pre><xs:element name="Array_3D" type="pds:Array_3D"> </xs:element></pre>

Element pds:Array_3D / pds:name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:UTF8_Short_String_Collapsed pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<pre><xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Array_3D / pds:local_identifier


Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:local_identifier						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:local_identifier 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Array_3D / pds:offset

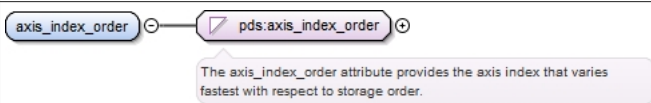
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram			
Type	pds:offset		
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer <ul style="list-style-type: none"> • pds:offset_WO_Units • pds:offset 		
Properties	content:	complex	
	minOccurs:	1	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Storage	required
Source	<pre><xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1"> </xs:element></pre>		

Element pds:Array_3D / pds:axes

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:axes		
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:axes 		
Properties	content:	simple	
	minOccurs:	1	
	maxOccurs:	1	
Facets	maxInclusive	16	
	minInclusive	1	
Source	<pre><xs:element name="axes" type="pds:axes" minOccurs="1" maxOccurs="1"> </xs:element></pre>		

Element pds:Array_3D / pds:axis_index_order

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:axis_index_order		
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:axis_index_order 		

Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="axis_index_order" type="pds:axis_index_order" minOccurs="1" maxOccurs="1"> </xs:element></code>	

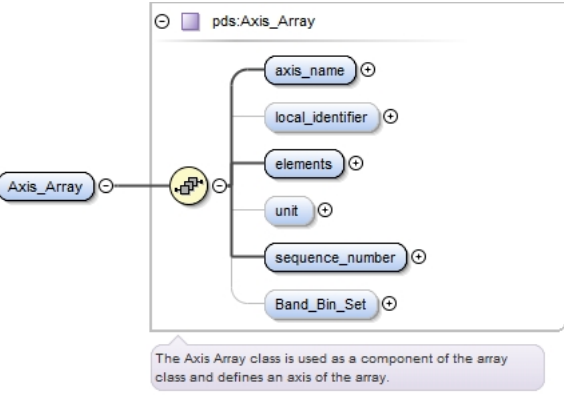
Element pds:Array_3D / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram	<p>The diagram shows a box labeled 'description' connected to a box labeled 'pds:description'. A callout box points to 'pds:description' with the text: "The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to..."</p>	
Type	pds:description	
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength 1	
Source	<code><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element></code>	

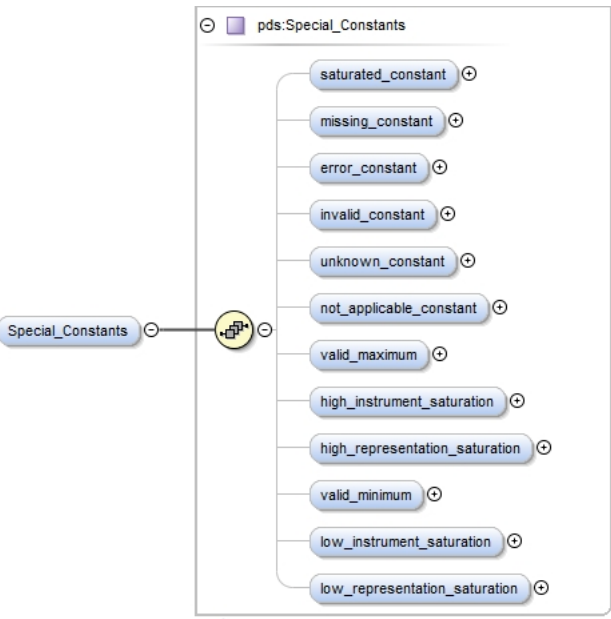
Element pds:Array_3D / pds:Element_Array

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram	<p>The diagram shows a box labeled 'Element_Array' connected to a box labeled 'pds:Element_Array'. Inside 'pds:Element_Array', there are four sub-elements: 'data_type', 'unit', 'scaling_factor', and 'value_offset'. A callout box points to 'pds:Element_Array' with the text: "The Element Array class is used as a component of the array class and defines an element of the array."</p>	
Type	pds:Element_Array	
Properties	content:	complex
	minOccurs:	1
	maxOccurs:	1
Model	pds:data_type , pds:unit{0,1} , pds:scaling_factor{0,1} , pds:value_offset{0,1}	
Children	pds:data_type, pds:scaling_factor, pds:unit, pds:value_offset	
Instance	<pre><pds:Element_Array xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:data_type>{1,1}</pds:data_type> <pds:unit>{0,1}</pds:unit> <pds:scaling_factor>{0,1}</pds:scaling_factor> <pds:value_offset>{0,1}</pds:value_offset> </pds:Element_Array></pre>	
Source	<code><xs:element name="Element_Array" type="pds:Element_Array" minOccurs="1" maxOccurs="1"> </xs:element></code>	

Element pds:Array_3D / pds:Axis_Array

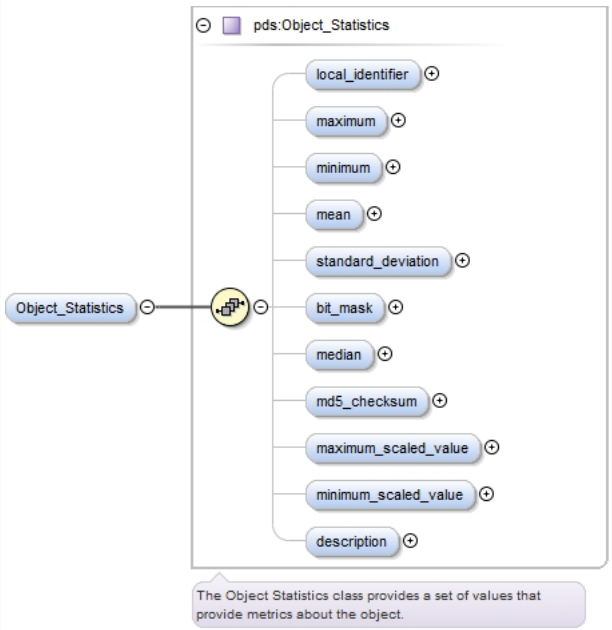
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Axis_Array						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>3</td> </tr> <tr> <td>maxOccurs:</td> <td>3</td> </tr> </table>	content:	complex	minOccurs:	3	maxOccurs:	3
content:	complex						
minOccurs:	3						
maxOccurs:	3						
Model	pds:axis_name , pds:local_identifier{0,1} , pds:elements , pds:unit{0,1} , pds:sequence_number , pds:Band_Bin_Set{0,1}						
Children	pds:Band_Bin_Set, pds:axis_name, pds:elements, pds:local_identifier, pds:sequence_number, pds:unit						
Instance	<pre><pds:Axis_Array xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:axis_name>{1,1}</pds:axis_name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:elements>{1,1}</pds:elements> <pds:unit>{0,1}</pds:unit> <pds:sequence_number>{1,1}</pds:sequence_number> <pds:Band_Bin_Set>{0,1}</pds:Band_Bin_Set> </pds:Axis_Array></pre>						
Source	<xs:element name="Axis_Array" type="pds:Axis_Array" minOccurs="3" maxOccurs="3">						

Element pds:Array_3D / pds:Special_Constants

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Special_Constants

Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	<p>pds:saturated_constant{0,1} , pds:missing_constant{0,1} , pds:error_constant{0,1} , pds:invalid_constant{0,1} , pds:unknown_constant{0,1} , pds:not_applicable_constant{0,1} , pds:valid_maximum{0,1} , pds:high_instrument_saturation{0,1} , pds:high_representation_saturation{0,1} , pds:valid_minimum{0,1} , pds:low_instrument_saturation{0,1} , pds:low_representation_saturation{0,1}</p>						
Children	<p>pds:error_constant, pds:high_instrument_saturation, pds:high_representation_saturation, pds:invalid_constant, pds:low_instrument_saturation, pds:low_representation_saturation, pds:missing_constant, pds:not_applicable_constant, pds:saturated_constant, pds:unknown_constant, pds:valid_maximum, pds:valid_minimum</p>						
Instance	<pre><pds:Special_Constants xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:saturated_constant>{0,1}</pds:saturated_constant> <pds:missing_constant>{0,1}</pds:missing_constant> <pds:error_constant>{0,1}</pds:error_constant> <pds:invalid_constant>{0,1}</pds:invalid_constant> <pds:unknown_constant>{0,1}</pds:unknown_constant> <pds:not_applicable_constant>{0,1}</pds:not_applicable_constant> <pds:valid_maximum>{0,1}</pds:valid_maximum> <pds:high_instrument_saturation>{0,1}</pds:high_instrument_saturation> <pds:high_representation_saturation>{0,1}</pds:high_representation_saturation> <pds:valid_minimum>{0,1}</pds:valid_minimum> <pds:low_instrument_saturation>{0,1}</pds:low_instrument_saturation> <pds:low_representation_saturation>{0,1}</pds:low_representation_saturation> </pds:Special_Constants></pre>						
Source	<pre><xs:element name="Special_Constants" type="pds:Special_Constants" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Array_3D / pds:Object_Statistics

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Object_Statistics						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	<p>pds:local_identifier{0,1} , pds:maximum{0,1} , pds:minimum{0,1} , pds:mean{0,1} , pds:standard_deviation{0,1} , pds:bit_mask{0,1} , pds:median{0,1} , pds:md5_checksum{0,1} , pds:maximum_scaled_value{0,1} , pds:minimum_scaled_value{0,1} , pds:description{0,1}</p>						
Children	<p>pds:bit_mask, pds:description, pds:local_identifier, pds:maximum, pds:maximum_scaled_value, pds:md5_checksum, pds:mean, pds:median, pds:minimum, pds:minimum_scaled_value, pds:standard_deviation</p>						
Instance	<pre><pds:Object_Statistics xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:maximum>{0,1}</pds:maximum></pre>						

	<pre> <pds:minimum>{0,1}</pds:minimum> <pds:mean>{0,1}</pds:mean> <pds:standard_deviation>{0,1}</pds:standard_deviation> <pds:bit_mask>{0,1}</pds:bit_mask> <pds:median>{0,1}</pds:median> <pds:md5_checksum>{0,1}</pds:md5_checksum> <pds:maximum_scaled_value>{0,1}</pds:maximum_scaled_value> <pds:minimum_scaled_value>{0,1}</pds:minimum_scaled_value> <pds:description>{0,1}</pds:description> </pds:Object_Statistics> </pre>
Source	<pre> <xs:element name="Object_Statistics" type="pds:Object_Statistics" minOccurs="0" maxOccurs="1"> </xs:element> </pre>

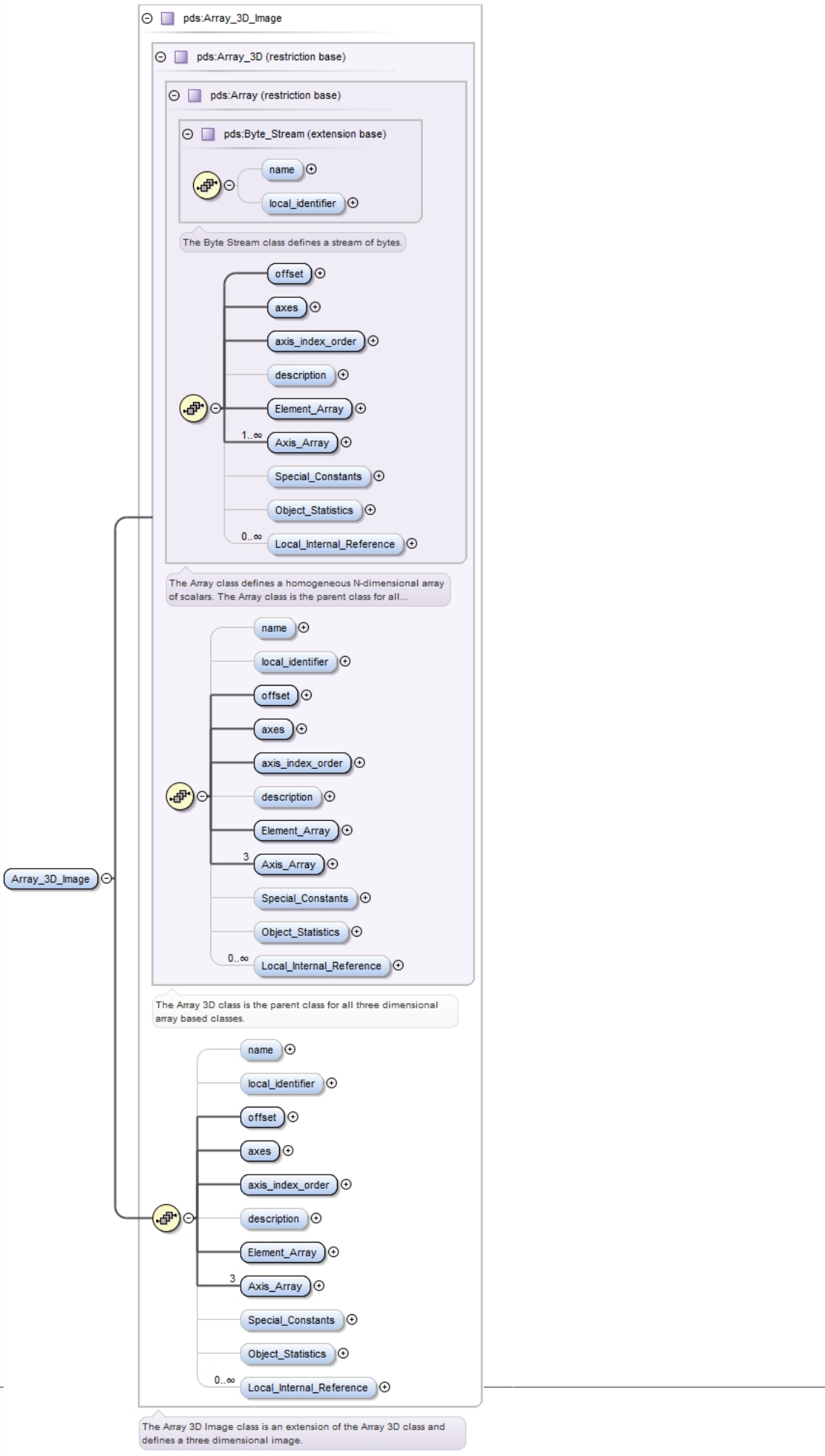
Element pds:Array_3D / pds:Local_Internal_Reference

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Local_Internal_Reference						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	pds:comment{0,1} , pds:local_identifier_reference , pds:local_reference_type						
Children	pds:comment, pds:local_identifier_reference, pds:local_reference_type						
Instance	<pre> <pds:Local_Internal_Reference xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:comment>{0,1}</pds:comment> <pds:local_identifier_reference>{1,1}</pds:local_identifier_reference> <pds:local_reference_type>{1,1}</pds:local_reference_type> </pds:Local_Internal_Reference> </pre>						
Source	<pre> <xs:element name="Local_Internal_Reference" type="pds:Local_Internal_Reference" minOccurs="0" maxOccurs="unbounded"> </xs:element> </pre>						

Element pds:File_Area_Browse / pds:Array_3D_Image

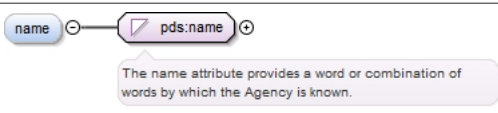
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram

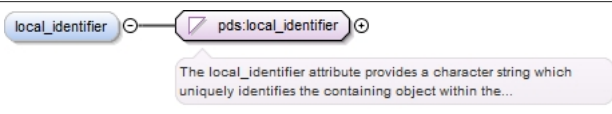


Type	pds:Array_3D_Image
Type hierarchy	<ul style="list-style-type: none"> pds:Byte_Stream pds:Array <ul style="list-style-type: none"> pds:Array_3D <ul style="list-style-type: none"> pds:Array_3D_Image
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array{3,3} , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference*
Children	pds:Axis_Array, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Instance	<pre><pds:Array_3D_Image xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:axes>{1,1}</pds:axes> <pds:axis_index_order>{1,1}</pds:axis_index_order> <pds:description>{0,1}</pds:description> <pds:Element_Array>{1,1}</pds:Element_Array> <pds:Axis_Array>{3,3}</pds:Axis_Array> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Object_Statistics>{0,1}</pds:Object_Statistics> <pds:Local_Internal_Reference>{0,unbounded}</pds:Local_Internal_Reference> </pds:Array_3D_Image></pre>
Source	<xs:element name="Array_3D_Image" type="pds:Array_3D_Image"> </xs:element>

Element pds:Array_3D_Image / pds:name

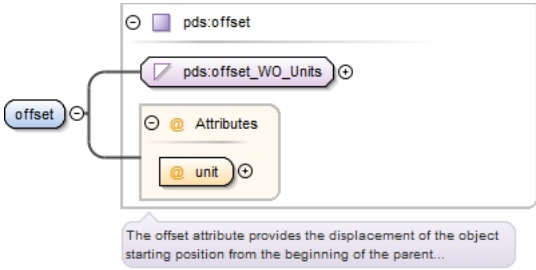
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> xs:token <ul style="list-style-type: none"> pds:UTF8_Short_String_Collapsed <ul style="list-style-type: none"> pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element>						

Element pds:Array_3D_Image / pds:local_identifier


Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:local_identifier
Type hierarchy	<ul style="list-style-type: none"> xs:token <ul style="list-style-type: none"> pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> pds:local_identifier

Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>	

Element pds:Array_3D_Image / pds:offset

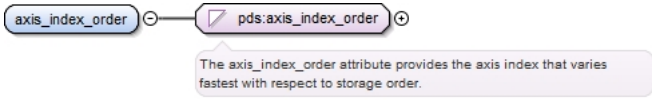
Namespace	http://pds.nasa.gov/pds4/pds/v1											
Diagram												
Type	pds:offset											
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:offset_WO_Units • pds:offset 											
Properties	content:	complex										
	minOccurs:	1										
	maxOccurs:	1										
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Storage</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		unit	pds:Units_of_Storage	required				
QName	Type	Use										
unit	pds:Units_of_Storage	required										
Source	<code><xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>											

Element pds:Array_3D_Image / pds:axes

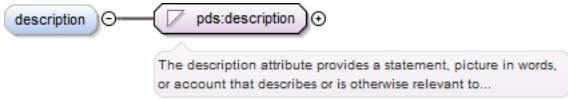
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:axes		
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:axes 		
Properties	content:	simple	
	minOccurs:	1	
	maxOccurs:	1	
Facets	maxInclusive	16	
	minInclusive	1	
Source	<code><xs:element name="axes" type="pds:axes" minOccurs="1" maxOccurs="1"></code>		

</xs:element>

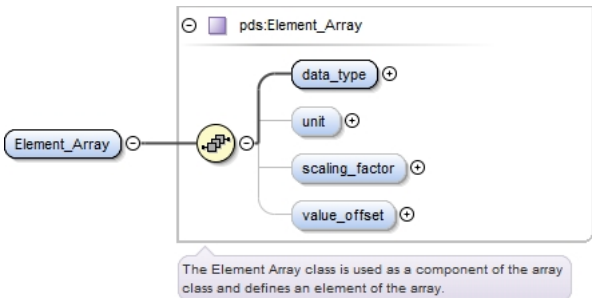
Element pds:Array_3D_Image / pds:axis_index_order

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:axis_index_order						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:axis_index_order 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<xs:element name="axis_index_order" type="pds:axis_index_order" minOccurs="1" maxOccurs="1"></xs:element>						

Element pds:Array_3D_Image / pds:description

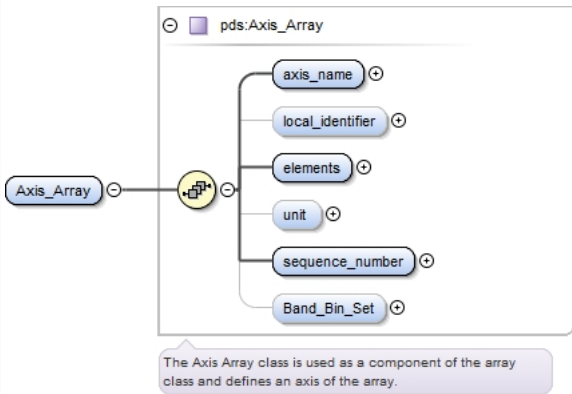
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:UTF8_Text_Preserved pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"></xs:element>						

Element pds:Array_3D_Image / pds:Element_Array

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	

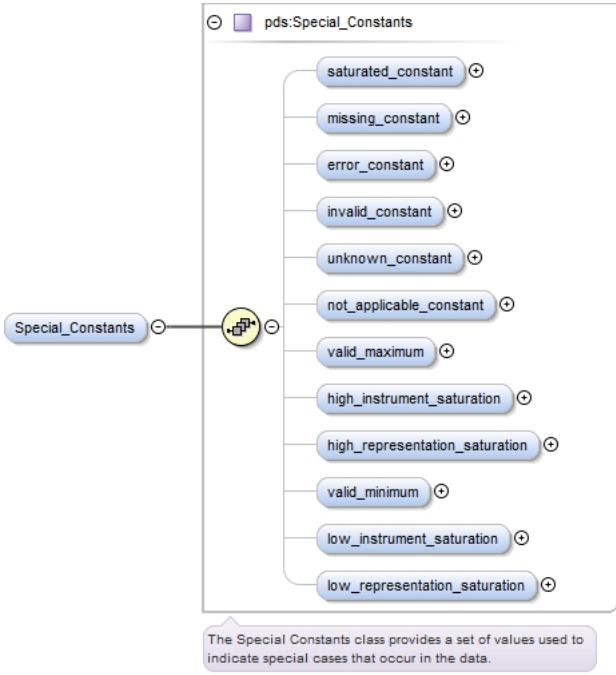
Type	pds:Element_Array
Properties	content: complex
	minOccurs: 1
	maxOccurs: 1
Model	pds:data_type , pds:unit{0,1} , pds:scaling_factor{0,1} , pds:value_offset{0,1}
Children	pds:data_type, pds:scaling_factor, pds:unit, pds:value_offset
Instance	<pre><pds:Element_Array xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:data_type>{1,1}</pds:data_type> <pds:unit>{0,1}</pds:unit> <pds:scaling_factor>{0,1}</pds:scaling_factor> <pds:value_offset>{0,1}</pds:value_offset> </pds:Element_Array></pre>
Source	<pre><xs:element name="Element_Array" type="pds:Element_Array" minOccurs="1" maxOccurs="1"> </xs:element></pre>

Element pds:Array_3D_Image / pds:Axis_Array

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Axis_Array
Properties	content: complex
	minOccurs: 3
	maxOccurs: 3
Model	pds:axis_name , pds:local_identifier{0,1} , pds:elements , pds:unit{0,1} , pds:sequence_number , pds:Band_Bin_Set{0,1}
Children	pds:Band_Bin_Set, pds:axis_name, pds:elements, pds:local_identifier, pds:sequence_number, pds:unit
Instance	<pre><pds:Axis_Array xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:axis_name>{1,1}</pds:axis_name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:elements>{1,1}</pds:elements> <pds:unit>{0,1}</pds:unit> <pds:sequence_number>{1,1}</pds:sequence_number> <pds:Band_Bin_Set>{0,1}</pds:Band_Bin_Set> </pds:Axis_Array></pre>
Source	<pre><xs:element name="Axis_Array" type="pds:Axis_Array" minOccurs="3" maxOccurs="3"> </xs:element></pre>

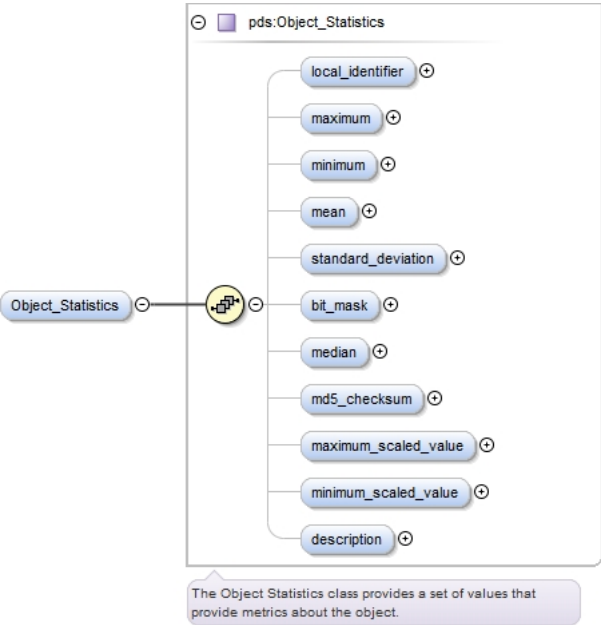
Element pds:Array_3D_Image / pds:Special_Constants

Namespace	http://pds.nasa.gov/pds4/pds/v1
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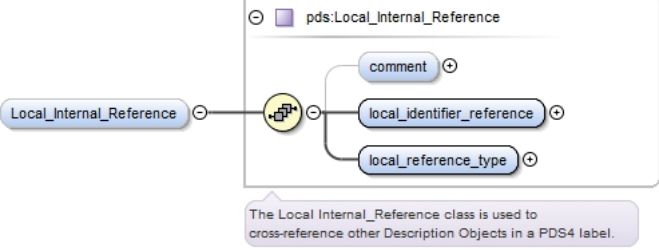
Diagram							
Type	pds:Special_Constants						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	<p>pds:saturated_constant{0,1} , pds:missing_constant{0,1} , pds:error_constant{0,1} , pds:invalid_constant{0,1} , pds:unknown_constant{0,1} , pds:not_applicable_constant{0,1} , pds:valid_maximum{0,1} , pds:high_instrument_saturation{0,1} , pds:high_representation_saturation{0,1} , pds:valid_minimum{0,1} , pds:low_instrument_saturation{0,1} , pds:low_representation_saturation{0,1}</p>						
Children	<p>pds:error_constant, pds:high_instrument_saturation, pds:high_representation_saturation, pds:invalid_constant, pds:low_instrument_saturation, pds:low_representation_saturation, pds:missing_constant, pds:not_applicable_constant, pds:saturated_constant, pds:unknown_constant, pds:valid_maximum, pds:valid_minimum</p>						
Instance	<pre><pds:Special_Constants xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:saturated_constant>{0,1}</pds:saturated_constant> <pds:missing_constant>{0,1}</pds:missing_constant> <pds:error_constant>{0,1}</pds:error_constant> <pds:invalid_constant>{0,1}</pds:invalid_constant> <pds:unknown_constant>{0,1}</pds:unknown_constant> <pds:not_applicable_constant>{0,1}</pds:not_applicable_constant> <pds:valid_maximum>{0,1}</pds:valid_maximum> <pds:high_instrument_saturation>{0,1}</pds:high_instrument_saturation> <pds:high_representation_saturation>{0,1}</pds:high_representation_saturation> <pds:valid_minimum>{0,1}</pds:valid_minimum> <pds:low_instrument_saturation>{0,1}</pds:low_instrument_saturation> <pds:low_representation_saturation>{0,1}</pds:low_representation_saturation> </pds:Special_Constants></pre>						
Source	<pre><xs:element name="Special_Constants" type="pds:Special_Constants" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Array_3D_Image / pds:Object_Statistics

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:Object_Statistics						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	<p>pds:local_identifier{0,1} , pds:maximum{0,1} , pds:minimum{0,1} , pds:mean{0,1} , pds:standard_deviation{0,1} , pds:bit_mask{0,1} , pds:median{0,1} , pds:md5_checksum{0,1} , pds:maximum_scaled_value{0,1} , pds:minimum_scaled_value{0,1} , pds:description{0,1}</p>						
Children	<p>pds:bit_mask, pds:description, pds:local_identifier, pds:maximum, pds:maximum_scaled_value, pds:md5_checksum, pds:mean, pds:median, pds:minimum, pds:minimum_scaled_value, pds:standard_deviation</p>						
Instance	<pre><pds:Object_Statistics xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:maximum>{0,1}</pds:maximum> <pds:minimum>{0,1}</pds:minimum> <pds:mean>{0,1}</pds:mean> <pds:standard_deviation>{0,1}</pds:standard_deviation> <pds:bit_mask>{0,1}</pds:bit_mask> <pds:median>{0,1}</pds:median> <pds:md5_checksum>{0,1}</pds:md5_checksum> <pds:maximum_scaled_value>{0,1}</pds:maximum_scaled_value> <pds:minimum_scaled_value>{0,1}</pds:minimum_scaled_value> <pds:description>{0,1}</pds:description> </pds:Object_Statistics></pre>						
Source	<pre><xs:element name="Object_Statistics" type="pds:Object_Statistics" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Array_3D_Image / pds:Local_Internal_Reference

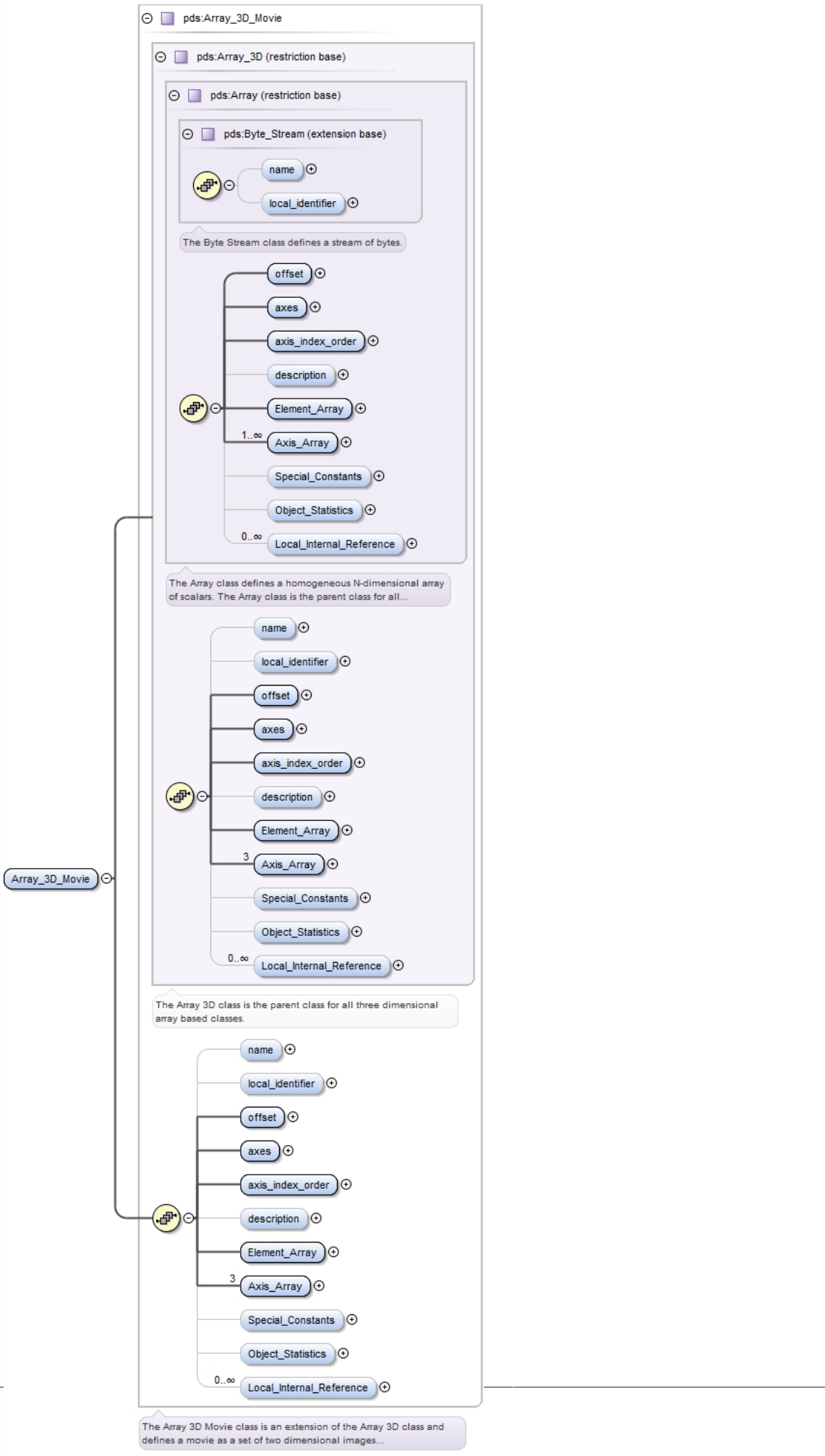
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Local_Internal_Reference						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						

Model	pds:comment{0,1} , pds:local_identifier_reference , pds:local_reference_type
Children	pds:comment, pds:local_identifier_reference, pds:local_reference_type
Instance	<pre><pds:Local_Internal_Reference xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:comment>{0,1}</pds:comment> <pds:local_identifier_reference>{1,1}</pds:local_identifier_reference> <pds:local_reference_type>{1,1}</pds:local_reference_type> </pds:Local_Internal_Reference></pre>
Source	<pre><xs:element name="Local_Internal_Reference" type="pds:Local_Internal_Reference" minOccurs="0" maxOccurs="unbounded"> </xs:element></pre>

Element pds:File_Area_Browse / pds:Array_3D_Movie

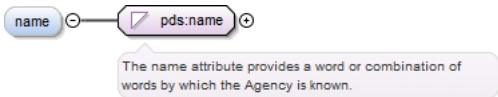
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram

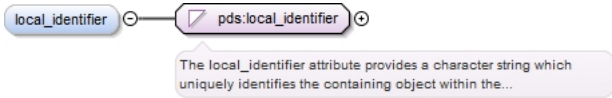


Type	pds:Array_3D_Movie
Type hierarchy	<ul style="list-style-type: none"> pds:Byte_Stream pds:Array <ul style="list-style-type: none"> pds:Array_3D <ul style="list-style-type: none"> pds:Array_3D_Movie
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array{3,3} , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference*
Children	pds:Axis_Array, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Instance	<pre><pds:Array_3D_Movie xmlns:pds="http://pds.nasa.gov/pds4/pds/v1" > <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:axes>{1,1}</pds:axes> <pds:axis_index_order>{1,1}</pds:axis_index_order> <pds:description>{0,1}</pds:description> <pds:Element_Array>{1,1}</pds:Element_Array> <pds:Axis_Array>{3,3}</pds:Axis_Array> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Object_Statistics>{0,1}</pds:Object_Statistics> <pds:Local_Internal_Reference>{0,unbounded}</pds:Local_Internal_Reference> </pds:Array_3D_Movie></pre>
Source	<xs:element name="Array_3D_Movie" type="pds:Array_3D_Movie" > </xs:element>

Element pds:Array_3D_Movie / pds:name

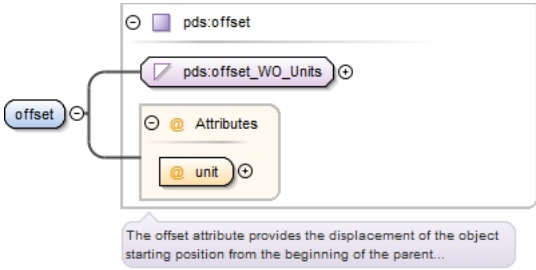
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> xs:token <ul style="list-style-type: none"> pds:UTF8_Short_String_Collapsed <ul style="list-style-type: none"> pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1" > </xs:element>						

Element pds:Array_3D_Movie / pds:local_identifier

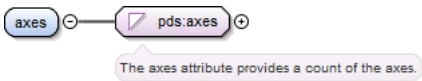
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:local_identifier
Type hierarchy	<ul style="list-style-type: none"> xs:token <ul style="list-style-type: none"> pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> pds:local_identifier

Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>	

Element pds:Array_3D_Movie / pds:offset

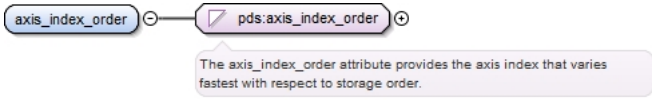
Namespace	http://pds.nasa.gov/pds4/pds/v1								
Diagram									
Type	pds:offset								
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:offset_WO_Units • pds:offset 								
Properties	content:	complex							
	minOccurs:	1							
	maxOccurs:	1							
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Storage</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Storage	required		
QName	Type	Use							
unit	pds:Units_of_Storage	required							
Source	<code><xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>								

Element pds:Array_3D_Movie / pds:axes

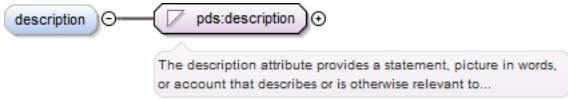
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:axes		
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:axes 		
Properties	content:	simple	
	minOccurs:	1	
	maxOccurs:	1	
Facets	maxInclusive	16	
	minInclusive	1	
Source	<code><xs:element name="axes" type="pds:axes" minOccurs="1" maxOccurs="1"></code>		

</xs:element>

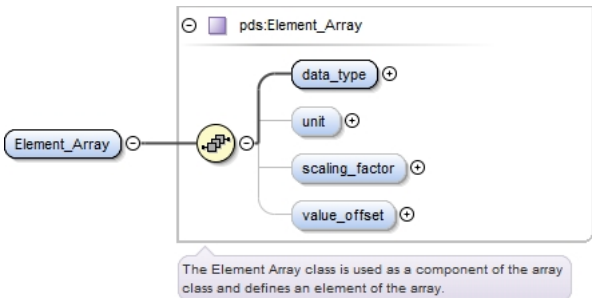
Element pds:Array_3D_Movie / pds:axis_index_order

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:axis_index_order						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:axis_index_order 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<xs:element name="axis_index_order" type="pds:axis_index_order" minOccurs="1" maxOccurs="1"></xs:element>						

Element pds:Array_3D_Movie / pds:description

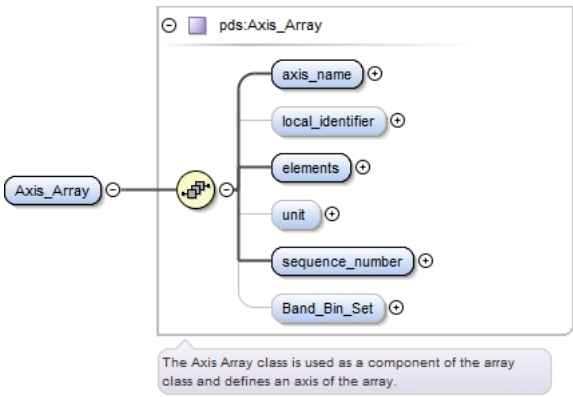
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:UTF8_Text_Preserved pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"></xs:element>						

Element pds:Array_3D_Movie / pds:Element_Array

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	

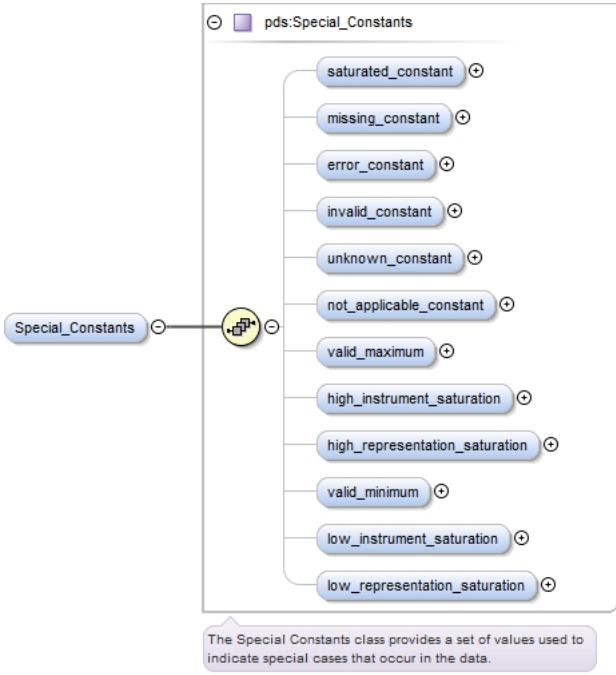
Type	pds:Element_Array
Properties	content: complex
	minOccurs: 1
	maxOccurs: 1
Model	pds:data_type , pds:unit{0,1} , pds:scaling_factor{0,1} , pds:value_offset{0,1}
Children	pds:data_type, pds:scaling_factor, pds:unit, pds:value_offset
Instance	<pre><pds:Element_Array xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:data_type>{1,1}</pds:data_type> <pds:unit>{0,1}</pds:unit> <pds:scaling_factor>{0,1}</pds:scaling_factor> <pds:value_offset>{0,1}</pds:value_offset> </pds:Element_Array></pre>
Source	<pre><xs:element name="Element_Array" type="pds:Element_Array" minOccurs="1" maxOccurs="1"> </xs:element></pre>

Element pds:Array_3D_Movie / pds:Axis_Array

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Axis_Array
Properties	content: complex
	minOccurs: 3
	maxOccurs: 3
Model	pds:axis_name , pds:local_identifier{0,1} , pds:elements , pds:unit{0,1} , pds:sequence_number , pds:Band_Bin_Set{0,1}
Children	pds:Band_Bin_Set, pds:axis_name, pds:elements, pds:local_identifier, pds:sequence_number, pds:unit
Instance	<pre><pds:Axis_Array xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:axis_name>{1,1}</pds:axis_name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:elements>{1,1}</pds:elements> <pds:unit>{0,1}</pds:unit> <pds:sequence_number>{1,1}</pds:sequence_number> <pds:Band_Bin_Set>{0,1}</pds:Band_Bin_Set> </pds:Axis_Array></pre>
Source	<pre><xs:element name="Axis_Array" type="pds:Axis_Array" minOccurs="3" maxOccurs="3"> </xs:element></pre>

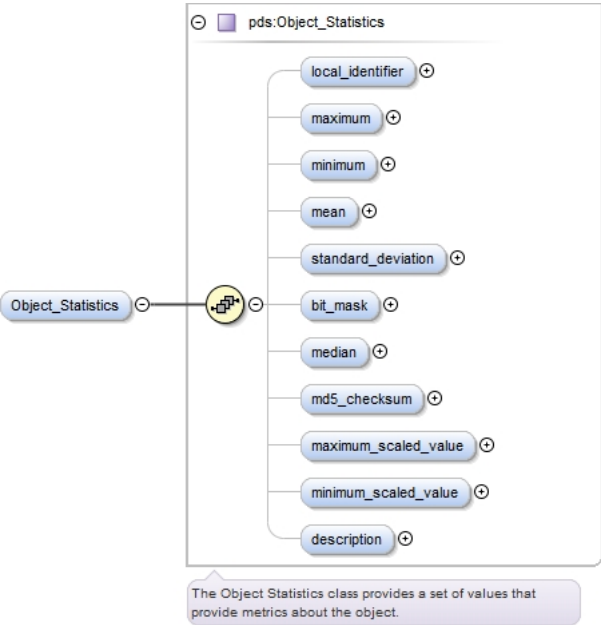
Element pds:Array_3D_Movie / pds:Special_Constants

Namespace	http://pds.nasa.gov/pds4/pds/v1
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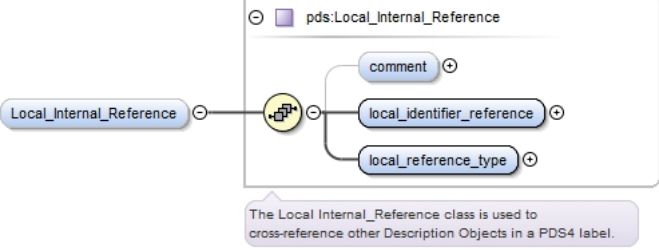
Diagram							
Type	pds:Special_Constants						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	<p>pds:saturated_constant{0,1} , pds:missing_constant{0,1} , pds:error_constant{0,1} , pds:invalid_constant{0,1} , pds:unknown_constant{0,1} , pds:not_applicable_constant{0,1} , pds:valid_maximum{0,1} , pds:high_instrument_saturation{0,1} , pds:high_representation_saturation{0,1} , pds:valid_minimum{0,1} , pds:low_instrument_saturation{0,1} , pds:low_representation_saturation{0,1}</p>						
Children	<p>pds:error_constant, pds:high_instrument_saturation, pds:high_representation_saturation, pds:invalid_constant, pds:low_instrument_saturation, pds:low_representation_saturation, pds:missing_constant, pds:not_applicable_constant, pds:saturated_constant, pds:unknown_constant, pds:valid_maximum, pds:valid_minimum</p>						
Instance	<pre><pds:Special_Constants xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:saturated_constant>{0,1}</pds:saturated_constant> <pds:missing_constant>{0,1}</pds:missing_constant> <pds:error_constant>{0,1}</pds:error_constant> <pds:invalid_constant>{0,1}</pds:invalid_constant> <pds:unknown_constant>{0,1}</pds:unknown_constant> <pds:not_applicable_constant>{0,1}</pds:not_applicable_constant> <pds:valid_maximum>{0,1}</pds:valid_maximum> <pds:high_instrument_saturation>{0,1}</pds:high_instrument_saturation> <pds:high_representation_saturation>{0,1}</pds:high_representation_saturation> <pds:valid_minimum>{0,1}</pds:valid_minimum> <pds:low_instrument_saturation>{0,1}</pds:low_instrument_saturation> <pds:low_representation_saturation>{0,1}</pds:low_representation_saturation> </pds:Special_Constants></pre>						
Source	<pre><xs:element name="Special_Constants" type="pds:Special_Constants" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Array_3D_Movie / pds:Object_Statistics

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:Object_Statistics						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	<p>pds:local_identifier{0,1} , pds:maximum{0,1} , pds:minimum{0,1} , pds:mean{0,1} , pds:standard_deviation{0,1} , pds:bit_mask{0,1} , pds:median{0,1} , pds:md5_checksum{0,1} , pds:maximum_scaled_value{0,1} , pds:minimum_scaled_value{0,1} , pds:description{0,1}</p>						
Children	<p>pds:bit_mask, pds:description, pds:local_identifier, pds:maximum, pds:maximum_scaled_value, pds:md5_checksum, pds:mean, pds:median, pds:minimum, pds:minimum_scaled_value, pds:standard_deviation</p>						
Instance	<pre><pds:Object_Statistics xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:maximum>{0,1}</pds:maximum> <pds:minimum>{0,1}</pds:minimum> <pds:mean>{0,1}</pds:mean> <pds:standard_deviation>{0,1}</pds:standard_deviation> <pds:bit_mask>{0,1}</pds:bit_mask> <pds:median>{0,1}</pds:median> <pds:md5_checksum>{0,1}</pds:md5_checksum> <pds:maximum_scaled_value>{0,1}</pds:maximum_scaled_value> <pds:minimum_scaled_value>{0,1}</pds:minimum_scaled_value> <pds:description>{0,1}</pds:description> </pds:Object_Statistics></pre>						
Source	<pre><xs:element name="Object_Statistics" type="pds:Object_Statistics" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Array_3D_Movie / pds:Local_Internal_Reference

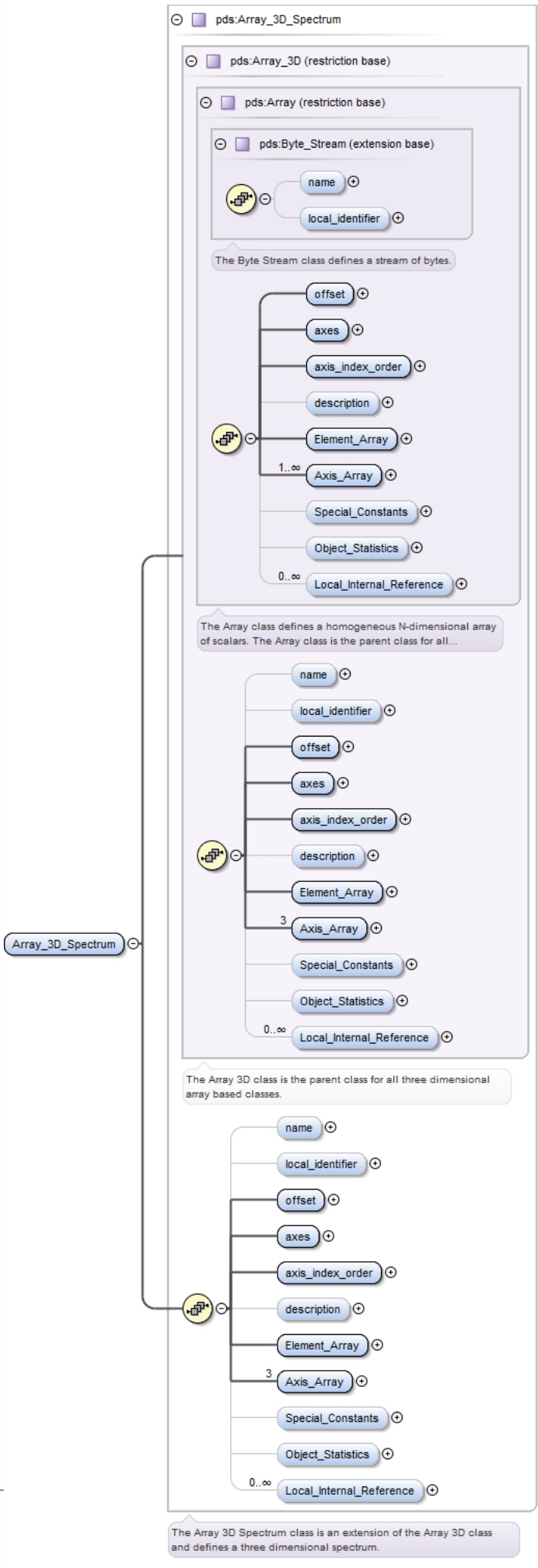
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Local_Internal_Reference						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						

Model	pds:comment{0,1} , pds:local_identifier_reference , pds:local_reference_type
Children	pds:comment, pds:local_identifier_reference, pds:local_reference_type
Instance	<pre><pds:Local_Internal_Reference xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:comment>{0,1}</pds:comment> <pds:local_identifier_reference>{1,1}</pds:local_identifier_reference> <pds:local_reference_type>{1,1}</pds:local_reference_type> </pds:Local_Internal_Reference></pre>
Source	<pre><xs:element name="Local_Internal_Reference" type="pds:Local_Internal_Reference" minOccurs="0" maxOccurs="unbounded"> </xs:element></pre>

Element pds:File_Area_Browse / pds:Array_3D_Spectrum

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram



Type	pds:Array_3D_Spectrum
Type hierarchy	<ul style="list-style-type: none"> pds:Byte_Stream pds:Array <ul style="list-style-type: none"> pds:Array_3D <ul style="list-style-type: none"> pds:Array_3D_Spectrum
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array{3,3} , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference*
Children	pds:Axis_Array, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Instance	<pre><pds:Array_3D_Spectrum xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:axes>{1,1}</pds:axes> <pds:axis_index_order>{1,1}</pds:axis_index_order> <pds:description>{0,1}</pds:description> <pds:Element_Array>{1,1}</pds:Element_Array> <pds:Axis_Array>{3,3}</pds:Axis_Array> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Object_Statistics>{0,1}</pds:Object_Statistics> <pds:Local_Internal_Reference>{0,unbounded}</pds:Local_Internal_Reference> </pds:Array_3D_Spectrum></pre>
Source	<xs:element name="Array_3D_Spectrum" type="pds:Array_3D_Spectrum"></xs:element>

Element pds:Array_3D_Spectrum / pds:name

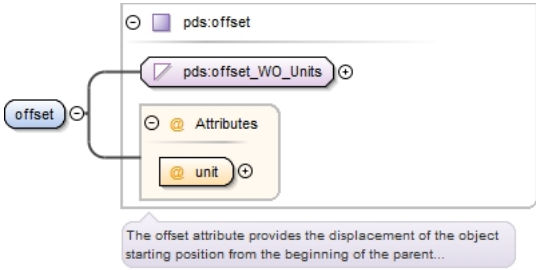
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> xs:token <ul style="list-style-type: none"> pds:UTF8_Short_String_Collapsed <ul style="list-style-type: none"> pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"></xs:element>						

Element pds:Array_3D_Spectrum / pds:local_identifier


Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:local_identifier
Type hierarchy	<ul style="list-style-type: none"> xs:token <ul style="list-style-type: none"> pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> pds:local_identifier

Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"> </xs:element></code>	

Element pds:Array_3D_Spectrum / pds:offset

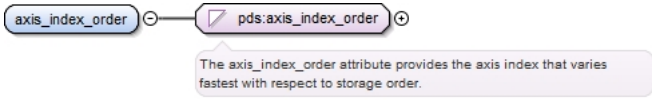
Namespace	http://pds.nasa.gov/pds4/pds/v1								
Diagram									
Type	pds:offset								
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:offset_WO_Units • pds:offset 								
Properties	content:	complex							
	minOccurs:	1							
	maxOccurs:	1							
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Storage</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Storage	required		
QName	Type	Use							
unit	pds:Units_of_Storage	required							
Source	<code><xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1"> </xs:element></code>								

Element pds:Array_3D_Spectrum / pds:axes

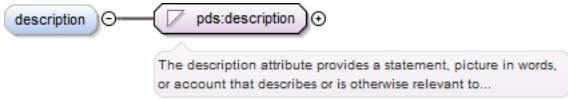
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:axes		
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:axes 		
Properties	content:	simple	
	minOccurs:	1	
	maxOccurs:	1	
Facets	maxInclusive	16	
	minInclusive	1	
Source	<code><xs:element name="axes" type="pds:axes" minOccurs="1" maxOccurs="1"> </xs:element></code>		

</xs:element>

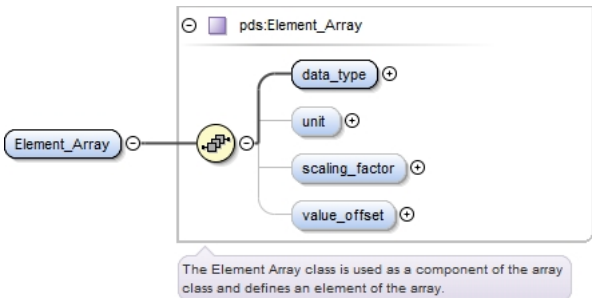
Element pds:Array_3D_Spectrum / pds:axis_index_order

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:axis_index_order						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:axis_index_order 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<xs:element name="axis_index_order" type="pds:axis_index_order" minOccurs="1" maxOccurs="1"></xs:element>						

Element pds:Array_3D_Spectrum / pds:description

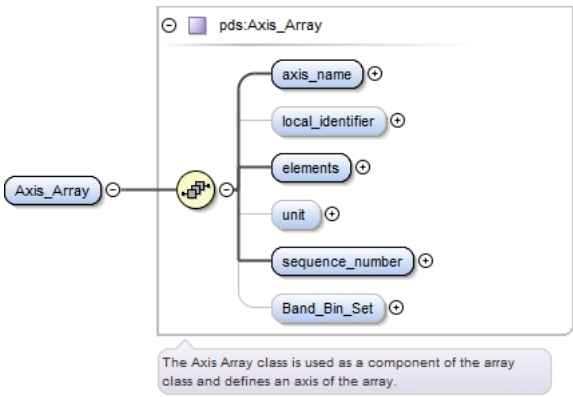
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:UTF8_Text_Preserved pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"></xs:element>						

Element pds:Array_3D_Spectrum / pds:Element_Array

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	

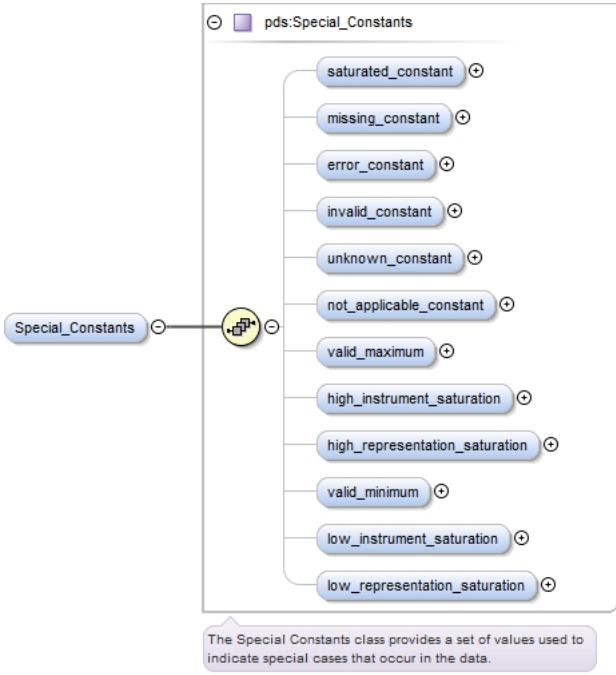
Type	pds:Element_Array
Properties	content: complex
	minOccurs: 1
	maxOccurs: 1
Model	pds:data_type , pds:unit{0,1} , pds:scaling_factor{0,1} , pds:value_offset{0,1}
Children	pds:data_type, pds:scaling_factor, pds:unit, pds:value_offset
Instance	<pre><pds:Element_Array xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:data_type>{1,1}</pds:data_type> <pds:unit>{0,1}</pds:unit> <pds:scaling_factor>{0,1}</pds:scaling_factor> <pds:value_offset>{0,1}</pds:value_offset> </pds:Element_Array></pre>
Source	<pre><xs:element name="Element_Array" type="pds:Element_Array" minOccurs="1" maxOccurs="1"> </xs:element></pre>

Element pds:Array_3D_Spectrum / pds:Axis_Array

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Axis_Array
Properties	content: complex
	minOccurs: 3
	maxOccurs: 3
Model	pds:axis_name , pds:local_identifier{0,1} , pds:elements , pds:unit{0,1} , pds:sequence_number , pds:Band_Bin_Set{0,1}
Children	pds:Band_Bin_Set, pds:axis_name, pds:elements, pds:local_identifier, pds:sequence_number, pds:unit
Instance	<pre><pds:Axis_Array xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:axis_name>{1,1}</pds:axis_name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:elements>{1,1}</pds:elements> <pds:unit>{0,1}</pds:unit> <pds:sequence_number>{1,1}</pds:sequence_number> <pds:Band_Bin_Set>{0,1}</pds:Band_Bin_Set> </pds:Axis_Array></pre>
Source	<pre><xs:element name="Axis_Array" type="pds:Axis_Array" minOccurs="3" maxOccurs="3"> </xs:element></pre>

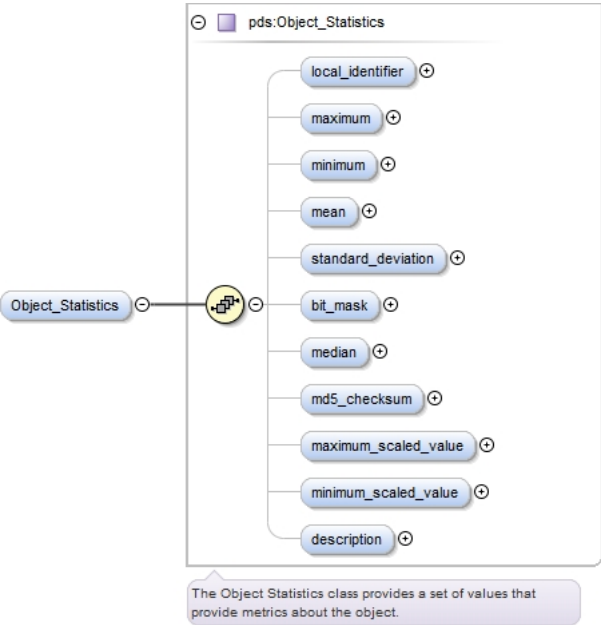
Element pds:Array_3D_Spectrum / pds:Special_Constants

Namespace	http://pds.nasa.gov/pds4/pds/v1
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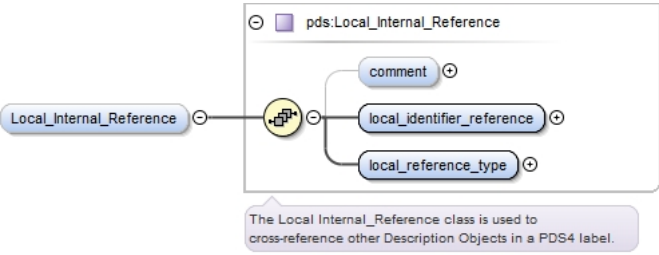
Diagram							
Type	pds:Special_Constants						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	<p>pds:saturated_constant{0,1} , pds:missing_constant{0,1} , pds:error_constant{0,1} , pds:invalid_constant{0,1} , pds:unknown_constant{0,1} , pds:not_applicable_constant{0,1} , pds:valid_maximum{0,1} , pds:high_instrument_saturation{0,1} , pds:high_representation_saturation{0,1} , pds:valid_minimum{0,1} , pds:low_instrument_saturation{0,1} , pds:low_representation_saturation{0,1}</p>						
Children	<p>pds:error_constant, pds:high_instrument_saturation, pds:high_representation_saturation, pds:invalid_constant, pds:low_instrument_saturation, pds:low_representation_saturation, pds:missing_constant, pds:not_applicable_constant, pds:saturated_constant, pds:unknown_constant, pds:valid_maximum, pds:valid_minimum</p>						
Instance	<pre><pds:Special_Constants xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:saturated_constant>{0,1}</pds:saturated_constant> <pds:missing_constant>{0,1}</pds:missing_constant> <pds:error_constant>{0,1}</pds:error_constant> <pds:invalid_constant>{0,1}</pds:invalid_constant> <pds:unknown_constant>{0,1}</pds:unknown_constant> <pds:not_applicable_constant>{0,1}</pds:not_applicable_constant> <pds:valid_maximum>{0,1}</pds:valid_maximum> <pds:high_instrument_saturation>{0,1}</pds:high_instrument_saturation> <pds:high_representation_saturation>{0,1}</pds:high_representation_saturation> <pds:valid_minimum>{0,1}</pds:valid_minimum> <pds:low_instrument_saturation>{0,1}</pds:low_instrument_saturation> <pds:low_representation_saturation>{0,1}</pds:low_representation_saturation> </pds:Special_Constants></pre>						
Source	<pre><xs:element name="Special_Constants" type="pds:Special_Constants" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Array_3D_Spectrum / pds:Object_Statistics

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:Object_Statistics						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	<p>pds:local_identifier{0,1} , pds:maximum{0,1} , pds:minimum{0,1} , pds:mean{0,1} , pds:standard_deviation{0,1} , pds:bit_mask{0,1} , pds:median{0,1} , pds:md5_checksum{0,1} , pds:maximum_scaled_value{0,1} , pds:minimum_scaled_value{0,1} , pds:description{0,1}</p>						
Children	<p>pds:bit_mask, pds:description, pds:local_identifier, pds:maximum, pds:maximum_scaled_value, pds:md5_checksum, pds:mean, pds:median, pds:minimum, pds:minimum_scaled_value, pds:standard_deviation</p>						
Instance	<pre><pds:Object_Statistics xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:maximum>{0,1}</pds:maximum> <pds:minimum>{0,1}</pds:minimum> <pds:mean>{0,1}</pds:mean> <pds:standard_deviation>{0,1}</pds:standard_deviation> <pds:bit_mask>{0,1}</pds:bit_mask> <pds:median>{0,1}</pds:median> <pds:md5_checksum>{0,1}</pds:md5_checksum> <pds:maximum_scaled_value>{0,1}</pds:maximum_scaled_value> <pds:minimum_scaled_value>{0,1}</pds:minimum_scaled_value> <pds:description>{0,1}</pds:description> </pds:Object_Statistics></pre>						
Source	<pre><xs:element name="Object_Statistics" type="pds:Object_Statistics" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Array_3D_Spectrum / pds:Local_Internal_Reference

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Local_Internal_Reference						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						

Model	pds:comment{0,1} , pds:local_identifier_reference , pds:local_reference_type
Children	pds:comment, pds:local_identifier_reference, pds:local_reference_type
Instance	<pre><pds:Local_Internal_Reference xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:comment>{0,1}</pds:comment> <pds:local_identifier_reference>{1,1}</pds:local_identifier_reference> <pds:local_reference_type>{1,1}</pds:local_reference_type> </pds:Local_Internal_Reference></pre>
Source	<pre><xs:element name="Local_Internal_Reference" type="pds:Local_Internal_Reference" minOccurs="0" maxOccurs="unbounded"> </xs:element></pre>

Element pds:File_Area_Browse / pds:Encoded_Header

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	<p>The diagram illustrates the class hierarchy for pds:Encoded_Header. At the top is pds:Encoded_Header, which inherits from pds:Encoded_Byte_Stream (restriction base), which in turn inherits from pds:Byte_Stream (extension base). The pds:Byte_Stream class defines a stream of bytes and has attributes: name, local_identifier, offset, object_length, encoding_standard_id, and description. The pds:Encoded_Byte_Stream class defines byte streams that must be decoded by software before use. The pds:Encoded_Header class describes a header that has been encoded using an encoding scheme that is compliant to an... (text truncated).</p>
Type	pds:Encoded_Header
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Encoded_Byte_Stream • pds:Encoded_Header
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:encoding_standard_id , pds:description{0,1}
Children	pds:description, pds:encoding_standard_id, pds:local_identifier, pds:name, pds:object_length, pds:offset
Instance	<pre><pds:Encoded_Header xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:object_length unit="">{0,1}</pds:object_length> <pds:encoding_standard_id>{1,1}</pds:encoding_standard_id> <pds:description>{0,1}</pds:description> </pds:Encoded_Header></pre>
Source	<pre><xs:element name="Encoded_Header" type="pds:Encoded_Header"> </xs:element></pre>

Element pds:Encoded_Byte_Stream / pds:offset

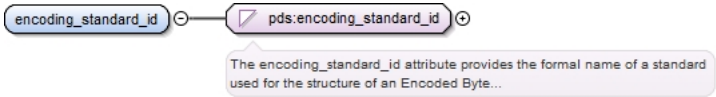
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:offset		
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:offset_WO_Units • pds:offset 		
Properties	content:	complex	
	minOccurs:	1	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Storage	required
Source	<pre><xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1"> </xs:element></pre>		

Element pds:Encoded_Byte_Stream / pds:object_length

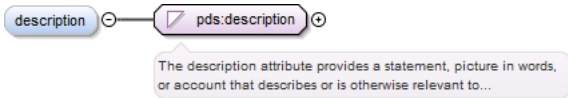
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:object_length		
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:object_length_WO_Units • pds:object_length 		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Storage	required
Source	<pre><xs:element name="object_length" type="pds:object_length" minOccurs="0" maxOccurs="1"> </xs:element></pre>		

Element pds:Encoded_Byte_Stream / pds:encoding_standard_id

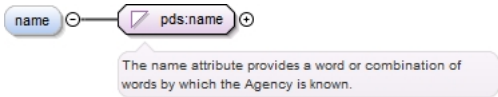
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:encoding_standard_id						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:encoding_standard_id 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>1</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>maxLength</td><td>255</td></tr> <tr><td>pattern</td><td>\p{IsBasicLatin}*</td></tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="encoding_standard_id" type="pds:encoding_standard_id" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Encoded_Byte_Stream / pds:description

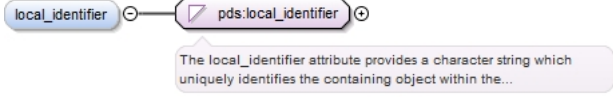
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> </table>	minLength	1				
minLength	1						
Source	<code><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Encoded_Header / pds:name

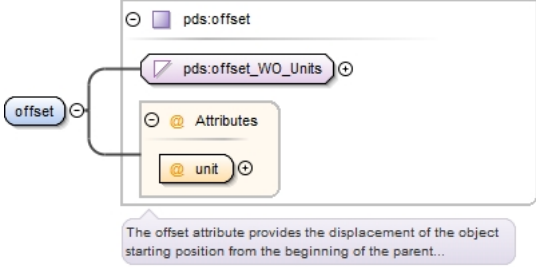
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:UTF8_Short_String_Collapsed • pds:name 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>maxLength</td><td>255</td></tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						

Source	<code><xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element></code>
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Element pds:Encoded_Header / pds:local_identifier

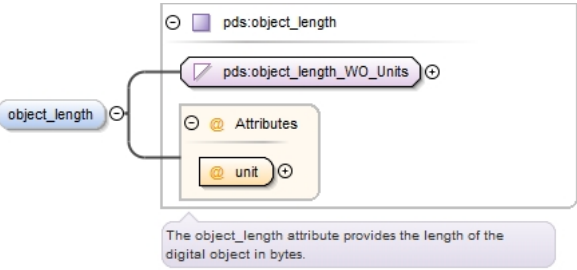
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:local_identifier		
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:local_identifier 		
Properties	content:	simple	
	minOccurs:	0	
	maxOccurs:	1	
Facets	minLength	1	
	maxLength	255	
	pattern	\p{IsBasicLatin}*	
Source	<code><xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"> </xs:element></code>		

Element pds:Encoded_Header / pds:offset

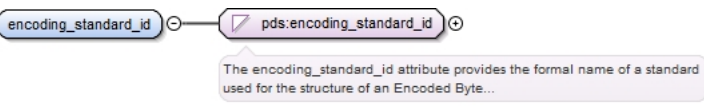
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:offset		
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:offset_WO_Units • pds:offset 		
Properties	content:	complex	
	minOccurs:	1	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Storage	required
Source	<code><xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1"> </xs:element></code>		

Element pds:Encoded_Header / pds:object_length

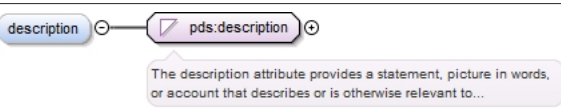
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram									
Type	pds:object_length								
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer <ul style="list-style-type: none"> • pds:object_length_WO_Units • pds:object_length 								
Properties	content:	complex							
	minOccurs:	0							
	maxOccurs:	1							
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Storage</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Storage	required		
QName	Type	Use							
unit	pds:Units_of_Storage	required							
Source	<pre><xs:element name="object_length" type="pds:object_length" minOccurs="0" maxOccurs="1"> </xs:element></pre>								

Element pds:Encoded_Header / pds:encoding_standard_id

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:encoding_standard_id		
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> • pds:encoding_standard_id 		
Properties	content:	simple	
	minOccurs:	1	
	maxOccurs:	1	
Facets	minLength	1	
	maxLength	255	
	pattern	\p{IsBasicLatin}*	
Source	<pre><xs:element name="encoding_standard_id" type="pds:encoding_standard_id" minOccurs="1" maxOccurs="1"> </xs:element></pre>		

Element pds:Encoded_Header / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:description		
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved 		

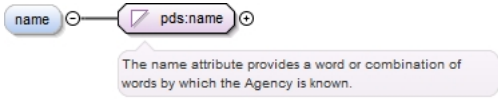
	<ul style="list-style-type: none"> • pds:description
Properties	content: simple
	minOccurs: 0
	maxOccurs: 1
Facets	minLength 1
Source	<code><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element></code>

Element pds:File_Area_Browse / pds:Encoded_Image

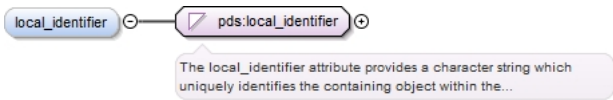
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	<p>The diagram illustrates the class hierarchy for pds:Encoded_Image. At the top is pds:Encoded_Image, which is a restriction base of pds:Encoded_Byte_Stream. pds:Encoded_Byte_Stream is an extension base of pds:Byte_Stream. The pds:Byte_Stream class defines a stream of bytes and has attributes: name, local_identifier, offset, object_length, encoding_standard_id, and description. The pds:Encoded_Byte_Stream class defines byte streams that must be decoded by software before use. The pds:Encoded_Image class is used for ancillary images in standard formats, such as JPEG.</p>
Type	pds:Encoded_Image
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Encoded_Byte_Stream • pds:Encoded_Image
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:encoding_standard_id , pds:description{0,1}
Children	pds:description, pds:encoding_standard_id, pds:local_identifier, pds:name, pds:object_length, pds:offset
Instance	<pre><pds:Encoded_Image xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:object_length unit="">{0,1}</pds:object_length> <pds:encoding_standard_id>{1,1}</pds:encoding_standard_id> <pds:description>{0,1}</pds:description> </pds:Encoded_Image></pre>
Source	<code><xs:element name="Encoded_Image" type="pds:Encoded_Image"></code>

</xs:element>

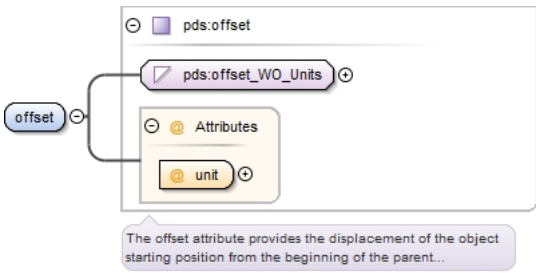
Element pds:Encoded_Image / pds:name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:UTF8_Short_String_Collapsed pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"></xs:element>						

Element pds:Encoded_Image / pds:local_identifier

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:local_identifier						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:local_identifier 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"></xs:element>						

Element pds:Encoded_Image / pds:offset

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:offset

Type hierarchy	<ul style="list-style-type: none"> xs:integer pds:ASCII_Integer <ul style="list-style-type: none"> pds:offset_WO_Units <ul style="list-style-type: none"> pds:offset 								
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1		
content:	complex								
minOccurs:	1								
maxOccurs:	1								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Storage</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		unit	pds:Units_of_Storage	required	
QName	Type	Use							
unit	pds:Units_of_Storage	required							
Source	<pre><xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1"> </xs:element></pre>								

Element pds:Encoded_Image / pds:object_length

Namespace	http://pds.nasa.gov/pds4/pds/v1								
Diagram									
Type	pds:object_length								
Type hierarchy	<ul style="list-style-type: none"> xs:integer pds:ASCII_Integer <ul style="list-style-type: none"> pds:object_length_WO_Units <ul style="list-style-type: none"> pds:object_length 								
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1		
content:	complex								
minOccurs:	0								
maxOccurs:	1								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Storage</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		unit	pds:Units_of_Storage	required	
QName	Type	Use							
unit	pds:Units_of_Storage	required							
Source	<pre><xs:element name="object_length" type="pds:object_length" minOccurs="0" maxOccurs="1"> </xs:element></pre>								

Element pds:Encoded_Image / pds:encoding_standard_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:encoding_standard_id						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> pds:encoding_standard_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						

Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="encoding_standard_id" type="pds:encoding_standard_id" minOccurs="1" maxOccurs="1" > </xs:element></code>	

Element pds:Encoded_Image / pds:description

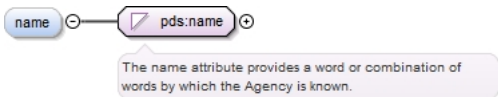
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram	<p>The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to...</p>	
Type	pds:description	
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:UTF8_Text_Preserved pds:description 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
Source	<code><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1" > </xs:element></code>	

Element pds:File_Area_Browse / pds:Header

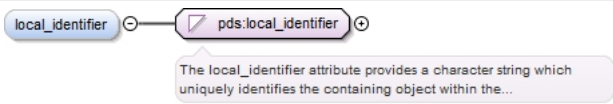
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram	<p>The Byte Stream class defines a stream of bytes.</p> <p>The Parsable Byte Stream class defines byte streams that have standard parsing rules. The Parsable Byte Stream class is...</p> <p>The Header class describes a data object header.</p>	

Type	pds:Header
Type hierarchy	<ul style="list-style-type: none"> pds:Byte_Stream pds:Parsable_Byte_Stream pds:Header
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length , pds:parsing_standard_id , pds:description{0,1}
Children	pds:description, pds:local_identifier, pds:name, pds:object_length, pds:offset, pds:parsing_standard_id
Instance	<pre><pds:Header xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:object_length unit="">{1,1}</pds:object_length> <pds:parsing_standard_id>{1,1}</pds:parsing_standard_id> <pds:description>{0,1}</pds:description> </pds:Header></pre>
Source	<pre><xs:element name="Header" type="pds:Header"> </xs:element></pre>

Element pds:Header / pds:name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:UTF8_Short_String_Collapsed pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<pre><xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Header / pds:local_identifier

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:local_identifier						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:local_identifier 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						

	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"> </xs:element></code>	

Element pds:Header / pds:offset

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram	<p>The diagram shows the pds:offset element structure. It includes a pds:offset_WO_Units element, an Attributes container, and a unit element. A callout box states: "The offset attribute provides the displacement of the object starting position from the beginning of the parent..."</p>		
Type	pds:offset		
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:offset_WO_Units • pds:offset 		
Properties	content:	complex	
	minOccurs:	1	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Storage	required
Source	<code><xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1"> </xs:element></code>		

Element pds:Header / pds:object_length

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram	<p>The diagram shows the pds:object_length element structure. It includes a pds:object_length_WO_Units element, an Attributes container, and a unit element. A callout box states: "The object_length attribute provides the length of the digital object in bytes."</p>		
Type	pds:object_length		
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:object_length_WO_Units • pds:object_length 		
Properties	content:	complex	
	minOccurs:	1	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Storage	required

Source	<code><xs:element name="object_length" type="pds:object_length" minOccurs="1" maxOccurs="1"> </xs:element></code>
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Element pds:Header / pds:parsing_standard_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:parsing_standard_id						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:parsing_standard_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="parsing_standard_id" type="pds:parsing_standard_id" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Header / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:UTF8_Text_Preserved pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<code><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element></code>						

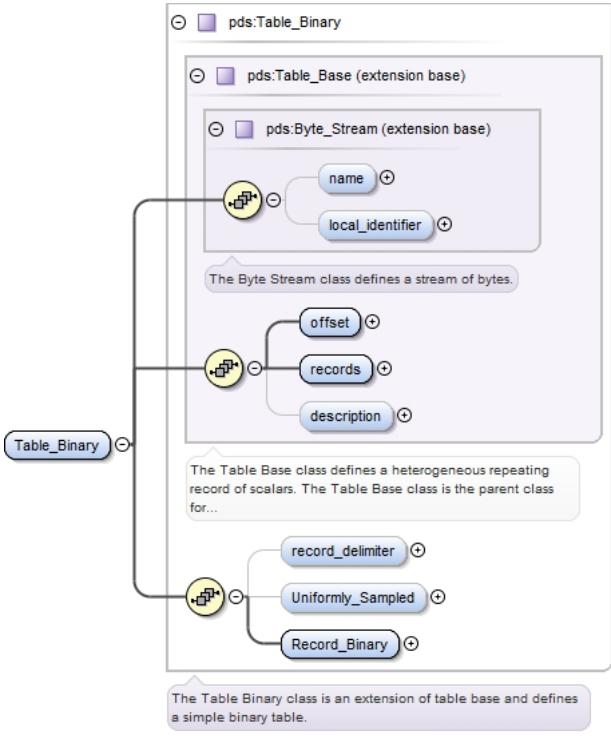
Element pds:File_Area_Browse / pds:Stream_Text

Namespace	http://pds.nasa.gov/pds4/pds/v1
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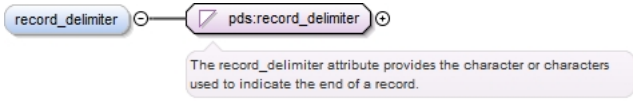
Diagram	
Type	pds:Stream_Text
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Parsable_Byte_Stream • pds:Stream_Text
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:parsing_standard_id , pds:description{0,1} , pds:record_delimiter
Children	pds:description, pds:local_identifier, pds:name, pds:object_length, pds:offset, pds:parsing_standard_id, pds:record_delimiter
Instance	<pre><pds:Stream_Text xmlns:pds="http://pds.nasa.gov/pds4/pds/v1" > <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:object_length unit="">{0,1}</pds:object_length> <pds:parsing_standard_id>{1,1}</pds:parsing_standard_id> <pds:description>{0,1}</pds:description> <pds:record_delimiter>{1,1}</pds:record_delimiter> </pds:Stream_Text></pre>
Source	<pre><xs:element name="Stream_Text" type="pds:Stream_Text" > </xs:element></pre>

Element pds:File_Area_Browse / pds:Table_Binary

Namespace	http://pds.nasa.gov/pds4/pds/v1
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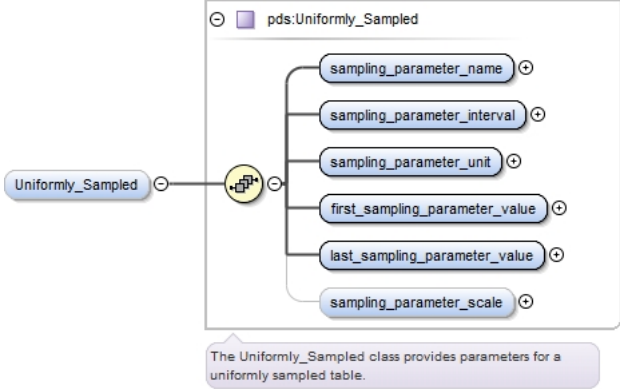
Diagram	
Type	pds:Table_Binary
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Table_Base • pds:Table_Binary
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:records , pds:description{0,1} , pds:record_delimiter{0,1} , pds:Uniformly_Sampled{0,1} , pds:Record_Binary
Children	pds:Record_Binary, pds:Uniformly_Sampled, pds:description, pds:local_identifier, pds:name, pds:offset, pds:record_delimiter, pds:records
Instance	<pre><pds:Table_Binary xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:records>{1,1}</pds:records> <pds:description>{0,1}</pds:description> <pds:record_delimiter>{0,1}</pds:record_delimiter> <pds:Uniformly_Sampled>{0,1}</pds:Uniformly_Sampled> <pds:Record_Binary>{1,1}</pds:Record_Binary> </pds:Table_Binary></pre>
Source	<pre><xs:element name="Table_Binary" type="pds:Table_Binary"> </xs:element></pre>

Element pds:Table_Binary / pds:record_delimiter

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:record_delimiter
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:record_delimiter
Properties	content: simple

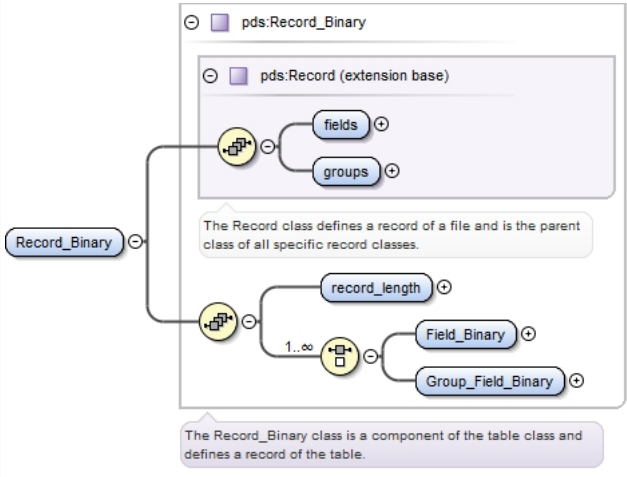
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="record_delimiter" type="pds:record_delimiter" minOccurs="0" maxOccurs="1"> </xs:element></code>	

Element pds:Table_Binary / pds:Uniformly_Sampled

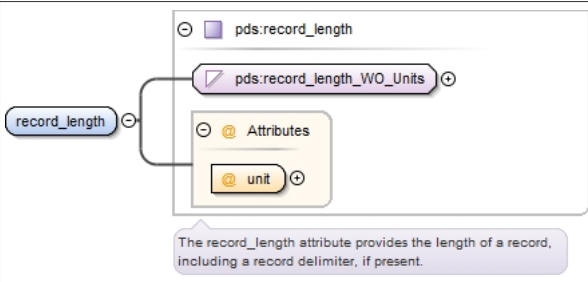
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Uniformly_Sampled						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:sampling_parameter_name , pds:sampling_parameter_interval , pds:sampling_parameter_unit , pds:first_sampling_parameter_value , pds:last_sampling_parameter_value , pds:sampling_parameter_scale{0,1}						
Children	pds:first_sampling_parameter_value, pds:last_sampling_parameter_value, pds:sampling_parameter_interval, pds:sampling_parameter_name, pds:sampling_parameter_scale, pds:sampling_parameter_unit						
Instance	<pre><pds:Uniformly_Sampled xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:sampling_parameter_name>{1,1}</pds:sampling_parameter_name> <pds:sampling_parameter_interval>{1,1}</pds:sampling_parameter_interval> <pds:sampling_parameter_unit>{1,1}</pds:sampling_parameter_unit> <pds:first_sampling_parameter_value>{1,1}</pds:first_sampling_parameter_value> <pds:last_sampling_parameter_value>{1,1}</pds:last_sampling_parameter_value> <pds:sampling_parameter_scale>{0,1}</pds:sampling_parameter_scale> </pds:Uniformly_Sampled></pre>						
Source	<code><xs:element name="Uniformly_Sampled" type="pds:Uniformly_Sampled" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Table_Binary / pds:Record_Binary

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:Record_Binary						
Type hierarchy	<ul style="list-style-type: none"> pds:Record pds:Record_Binary 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:fields , pds:groups , pds:record_length , (pds:Field_Binary pds:Group_Field_Binary)						
Children	pds:Field_Binary, pds:Group_Field_Binary, pds:fields, pds:groups, pds:record_length						
Instance	<pre><pds:Record_Binary xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:fields>{1,1}</pds:fields> <pds:groups>{1,1}</pds:groups> <pds:record_length unit="">{1,1}</pds:record_length> <pds:Field_Binary>{1,1}</pds:Field_Binary> <pds:Group_Field_Binary>{1,1}</pds:Group_Field_Binary> </pds:Record_Binary></pre>						
Source	<pre><xs:element name="Record_Binary" type="pds:Record_Binary" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Record_Binary / pds:record_length

Namespace	http://pds.nasa.gov/pds4/pds/v1								
Diagram									
Type	pds:record_length								
Type hierarchy	<ul style="list-style-type: none"> xs:integer pds:ASCII_Integer pds:record_length_WO_Units pds:record_length 								
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>			content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex								
minOccurs:	1								
maxOccurs:	1								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Storage</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Storage	required		
QName	Type	Use							
unit	pds:Units_of_Storage	required							

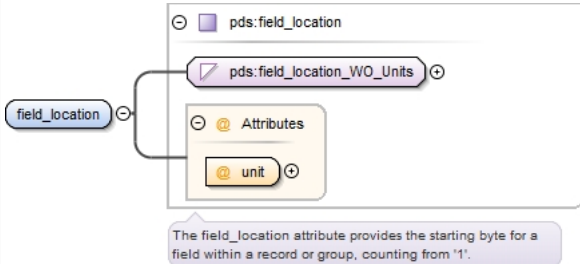
Source `<xs:element name="record_length" type="pds:record_length" minOccurs="1" maxOccurs="1">`
`</xs:element>`

Element pds:Record_Binary / pds:Field_Binary

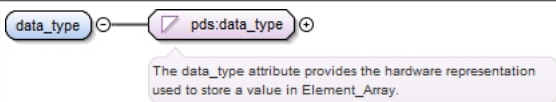
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	<p>The Field class defines a field of a record and is the parent class of all specific field classes. The Field class...</p> <p>The Field_Binary class defines a field of a binary record or a field of a binary group.</p>
Type	pds:Field_Binary
Type hierarchy	<ul style="list-style-type: none"> pds:Field pds:Field_Binary
Properties	content: complex
Model	pds:name , pds:field_number{0,1} , pds:field_location , pds:data_type , pds:field_length , pds:field_format{0,1} , pds:unit{0,1} , pds:scaling_factor{0,1} , pds:value_offset{0,1} , pds:description{0,1} , pds:Special_Constants{0,1} , pds:Field_Statistics{0,1} , pds:Packed_Data_Fields{0,1}
Children	pds:Field_Statistics, pds:Packed_Data_Fields, pds:Special_Constants, pds:data_type, pds:description, pds:field_format, pds:field_length, pds:field_location, pds:field_number, pds:name, pds:scaling_factor, pds:unit, pds:value_offset
Instance	<pre><pds:Field_Binary xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{1,1}</pds:name> <pds:field_number>{0,1}</pds:field_number> <pds:field_location unit="">{1,1}</pds:field_location> <pds:data_type>{1,1}</pds:data_type> <pds:field_length unit="">{1,1}</pds:field_length> <pds:field_format>{0,1}</pds:field_format> <pds:unit>{0,1}</pds:unit> <pds:scaling_factor>{0,1}</pds:scaling_factor> <pds:value_offset>{0,1}</pds:value_offset> <pds:description>{0,1}</pds:description> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Field_Statistics>{0,1}</pds:Field_Statistics> <pds:Packed_Data_Fields>{0,1}</pds:Packed_Data_Fields> </pds:Field_Binary></pre>
Source	<code><xs:element name="Field_Binary" type="pds:Field_Binary"></code> <code></xs:element></code>

Element pds:Field_Binary / pds:field_location

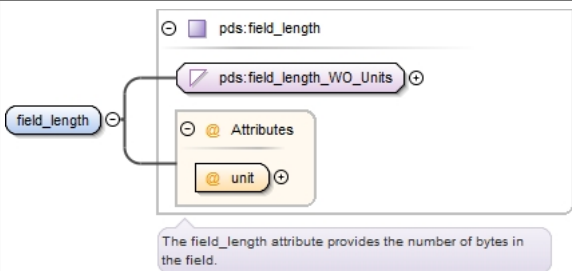
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram				
Type	pds:field_location			
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer <ul style="list-style-type: none"> • pds:field_location_WO_Units • pds:field_location 			
Properties	content:	complex		
	minOccurs:	1		
	maxOccurs:	1		
Attributes	QName	Type	Use	
	unit	pds:Units_of_Storage	required	
Source	<pre><xs:element name="field_location" type="pds:field_location" minOccurs="1" maxOccurs="1"> </xs:element></pre>			

Element pds:Field_Binary / pds:data_type

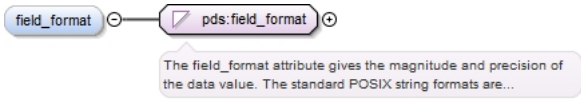
Namespace	http://pds.nasa.gov/pds4/pds/v1			
Diagram				
Type	pds:data_type			
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> • pds:data_type 			
Properties	content:	simple		
	minOccurs:	1		
	maxOccurs:	1		
Facets	minLength	1		
	maxLength	255		
	pattern	\p{IsBasicLatin}*		
Source	<pre><xs:element name="data_type" type="pds:data_type" minOccurs="1" maxOccurs="1"> </xs:element></pre>			

Element pds:Field_Binary / pds:field_length

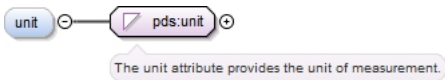
Namespace	http://pds.nasa.gov/pds4/pds/v1			
Diagram				

Type	pds:field_length		
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer <ul style="list-style-type: none"> • pds:field_length_WO_Units • pds:field_length 		
Properties	content:	complex	
	minOccurs:	1	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Storage	required
Source	<pre><xs:element name="field_length" type="pds:field_length" minOccurs="1" maxOccurs="1"> </xs:element></pre>		

Element pds:Field_Binary / pds:field_format

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:field_format		
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> • pds:field_format 		
Properties	content:	simple	
	minOccurs:	0	
	maxOccurs:	1	
Facets	minLength	1	
	maxLength	255	
	pattern	\p{IsBasicLatin}*	
Source	<pre><xs:element name="field_format" type="pds:field_format" minOccurs="0" maxOccurs="1"> </xs:element></pre>		

Element pds:Field_Binary / pds:unit

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:unit		
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:UTF8_Short_String_Collapsed <ul style="list-style-type: none"> • pds:unit 		
Properties	content:	simple	
	minOccurs:	0	
	maxOccurs:	1	
Facets	minLength	1	
	maxLength	255	
Source	<pre><xs:element name="unit" type="pds:unit" minOccurs="0" maxOccurs="1"></pre>		

</xs:element>

Element pds:Field_Binary / pds:scaling_factor

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:scaling_factor						
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:scaling_factor 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xs:element name="scaling_factor" type="pds:scaling_factor" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:Field_Binary / pds:value_offset

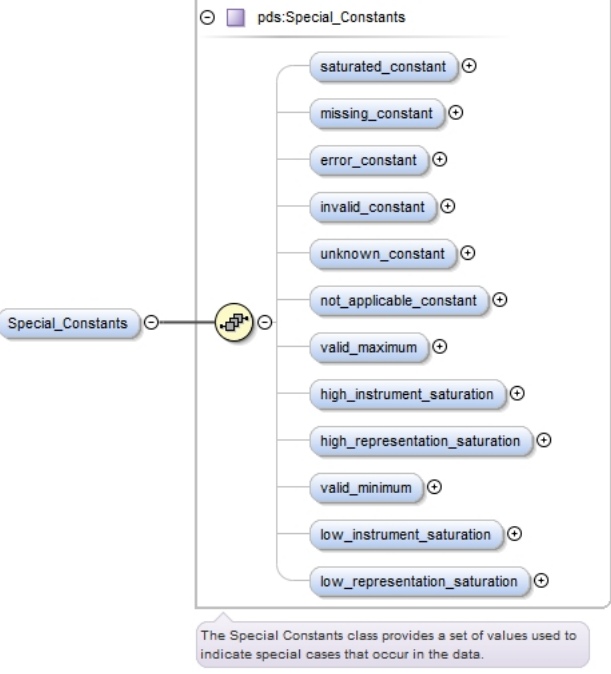
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:value_offset						
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:value_offset 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xs:element name="value_offset" type="pds:value_offset" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:Field_Binary / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<code><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>						

</xs:element>

Element pds:Field_Binary / pds:Special_Constants

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Special_Constants						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:saturated_constant{0,1} , pds:missing_constant{0,1} , pds:error_constant{0,1} , pds:invalid_constant{0,1} , pds:unknown_constant{0,1} , pds:not_applicable_constant{0,1} , pds:valid_maximum{0,1} , pds:high_instrument_saturation{0,1} , pds:high_representation_saturation{0,1} , pds:valid_minimum{0,1} , pds:low_instrument_saturation{0,1} , pds:low_representation_saturation{0,1}						
Children	pds:error_constant, pds:high_instrument_saturation, pds:high_representation_saturation, pds:invalid_constant, pds:low_instrument_saturation, pds:low_representation_saturation, pds:missing_constant, pds:not_applicable_constant, pds:saturated_constant, pds:unknown_constant, pds:valid_maximum, pds:valid_minimum						
Instance	<pre><pds:Special_Constants xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:saturated_constant>{0,1}</pds:saturated_constant> <pds:missing_constant>{0,1}</pds:missing_constant> <pds:error_constant>{0,1}</pds:error_constant> <pds:invalid_constant>{0,1}</pds:invalid_constant> <pds:unknown_constant>{0,1}</pds:unknown_constant> <pds:not_applicable_constant>{0,1}</pds:not_applicable_constant> <pds:valid_maximum>{0,1}</pds:valid_maximum> <pds:high_instrument_saturation>{0,1}</pds:high_instrument_saturation> <pds:high_representation_saturation>{0,1}</pds:high_representation_saturation> <pds:valid_minimum>{0,1}</pds:valid_minimum> <pds:low_instrument_saturation>{0,1}</pds:low_instrument_saturation> <pds:low_representation_saturation>{0,1}</pds:low_representation_saturation> </pds:Special_Constants></pre>						
Source	<xs:element name="Special_Constants" type="pds:Special_Constants" minOccurs="0" maxOccurs="1"></xs:element>						

Element pds:Field_Binary / pds:Field_Statistics

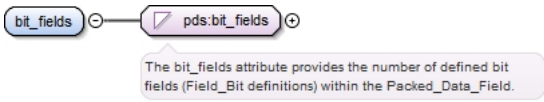
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram	<p>The Field Statistics class provides a set of metrics for a column formed by a field in a repeating record.</p>						
Type	pds:Field_Statistics						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:local_identifier{0,1} , pds:maximum{0,1} , pds:minimum{0,1} , pds:mean{0,1} , pds:standard_deviation{0,1} , pds:median{0,1} , pds:description{0,1}						
Children	pds:description, pds:local_identifier, pds:maximum, pds:mean, pds:median, pds:minimum, pds:standard_deviation						
Instance	<pre><pds:Field_Statistics xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:maximum>{0,1}</pds:maximum> <pds:minimum>{0,1}</pds:minimum> <pds:mean>{0,1}</pds:mean> <pds:standard_deviation>{0,1}</pds:standard_deviation> <pds:median>{0,1}</pds:median> <pds:description>{0,1}</pds:description> </pds:Field_Statistics></pre>						
Source	<xs:element name="Field_Statistics" type="pds:Field_Statistics" minOccurs="0" maxOccurs="1"></xs:element>						

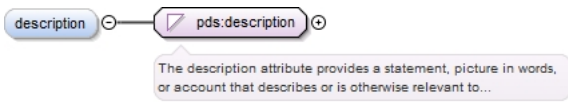
Element pds:Field_Binary / pds:Packed_Data_Fields

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The Packed_Data_Fields class contains field definitions for extracting packed data from the associated byte string...</p>						
Type	pds:Packed_Data_Fields						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:bit_fields , pds:description{0,1} , pds:Field_Bit+						
Children	pds:Field_Bit, pds:bit_fields, pds:description						
Instance	<pre><pds:Packed_Data_Fields xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:bit_fields>{1,1}</pds:bit_fields> <pds:description>{0,1}</pds:description> <pds:Field_Bit>{1,unbounded}</pds:Field_Bit> </pds:Packed_Data_Fields></pre>						
Source	<xs:element name="Packed_Data_Fields" type="pds:Packed_Data_Fields" minOccurs="0" maxOccurs="1"></xs:element>						

Element `pds:Packed_Data_Fields` / `pds:bit_fields`

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:bit_fields						
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:bit_fields 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	minInclusive 1						
Source	<pre><xs:element name="bit_fields" type="pds:bit_fields" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element `pds:Packed_Data_Fields` / `pds:description`

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	minLength 1						
Source	<pre><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element `pds:Packed_Data_Fields` / `pds:Field_Bit`

Namespace	http://pds.nasa.gov/pds4/pds/v1
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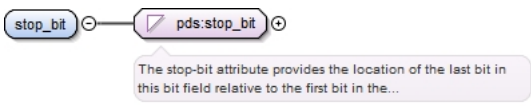
Diagram							
Type	pds:Field_Bit						
Type hierarchy	<ul style="list-style-type: none"> • pds:Field • pds:Field_Bit 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	pds:name , pds:field_number{0,1} , pds:start_bit , pds:stop_bit , pds:data_type , pds:field_format{0,1} , pds:unit{0,1} , pds:scaling_factor{0,1} , pds:value_offset{0,1} , pds:description{0,1} , pds:Special_Constants{0,1}						
Children	pds:Special_Constants, pds:data_type, pds:description, pds:field_format, pds:field_number, pds:name, pds:scaling_factor, pds:start_bit, pds:stop_bit, pds:unit, pds:value_offset						
Instance	<pre><pds:Field_Bit xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{1,1}</pds:name> <pds:field_number>{0,1}</pds:field_number> <pds:start_bit>{1,1}</pds:start_bit> <pds:stop_bit>{1,1}</pds:stop_bit> <pds:data_type>{1,1}</pds:data_type> <pds:field_format>{0,1}</pds:field_format> <pds:unit>{0,1}</pds:unit> <pds:scaling_factor>{0,1}</pds:scaling_factor> <pds:value_offset>{0,1}</pds:value_offset> <pds:description>{0,1}</pds:description> <pds:Special_Constants>{0,1}</pds:Special_Constants> </pds:Field_Bit></pre>						
Source	<pre><xs:element name="Field_Bit" type="pds:Field_Bit" minOccurs="1" maxOccurs="unbounded"> </xs:element></pre>						

Element pds:Field_Bit / pds:start_bit

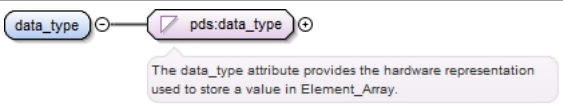
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:start_bit
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer

	<ul style="list-style-type: none"> • pds:start_bit
Properties	content: simple
	minOccurs: 1
	maxOccurs: 1
Facets	minInclusive 1
Source	<code><xs:element name="start_bit" type="pds:start_bit" minOccurs="1" maxOccurs="1"> </xs:element></code>

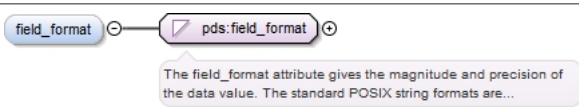
Element pds:Field_Bit / pds:stop_bit

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:stop_bit
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:stop_bit
Properties	content: simple
	minOccurs: 1
	maxOccurs: 1
Facets	minInclusive 1
Source	<code><xs:element name="stop_bit" type="pds:stop_bit" minOccurs="1" maxOccurs="1"> </xs:element></code>

Element pds:Field_Bit / pds:data_type

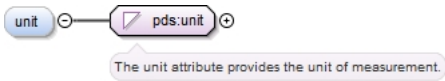
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:data_type
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:data_type
Properties	content: simple
	minOccurs: 1
	maxOccurs: 1
Facets	minLength 1
	maxLength 255
	pattern \p{IsBasicLatin}*
Source	<code><xs:element name="data_type" type="pds:data_type" minOccurs="1" maxOccurs="1"> </xs:element></code>

Element pds:Field_Bit / pds:field_format

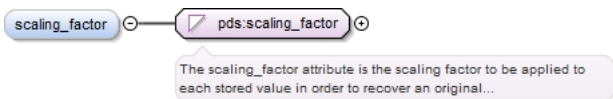
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:field_format

Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:field_format 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{[IsBasicLatin]}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{[IsBasicLatin]}*
minLength	1						
maxLength	255						
pattern	\p{[IsBasicLatin]}*						
Source	<code><xs:element name="field_format" type="pds:field_format" minOccurs="0" maxOccurs="1"> </xs:element></code>						

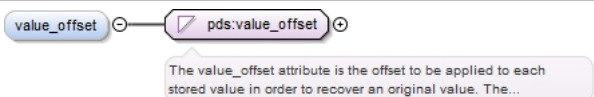
Element pds:Field_Bit / pds:unit

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:unit						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:UTF8_Short_String_Collapsed • pds:unit 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<code><xs:element name="unit" type="pds:unit" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Field_Bit / pds:scaling_factor

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:scaling_factor						
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:scaling_factor 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xs:element name="scaling_factor" type="pds:scaling_factor" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Field_Bit / pds:value_offset

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	

Type	pds:value_offset						
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real pds:value_offset 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xs:element name="value_offset" type="pds:value_offset" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Field_Bit / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:UTF8_Text_Preserved pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<code><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Field_Bit / pds:Special_Constants

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Special_Constants

Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Model	<p>pds:saturated_constant{0,1} , pds:missing_constant{0,1} , pds:error_constant{0,1} , pds:invalid_constant{0,1} , pds:unknown_constant{0,1} , pds:not_applicable_constant{0,1} , pds:valid_maximum{0,1} , pds:high_instrument_saturation{0,1} , pds:high_representation_saturation{0,1} , pds:valid_minimum{0,1} , pds:low_instrument_saturation{0,1} , pds:low_representation_saturation{0,1}</p>
Children	<p>pds:error_constant, pds:high_instrument_saturation, pds:high_representation_saturation, pds:invalid_constant, pds:low_instrument_saturation, pds:low_representation_saturation, pds:missing_constant, pds:not_applicable_constant, pds:saturated_constant, pds:unknown_constant, pds:valid_maximum, pds:valid_minimum</p>
Instance	<pre><pds:Special_Constants xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:saturated_constant>{0,1}</pds:saturated_constant> <pds:missing_constant>{0,1}</pds:missing_constant> <pds:error_constant>{0,1}</pds:error_constant> <pds:invalid_constant>{0,1}</pds:invalid_constant> <pds:unknown_constant>{0,1}</pds:unknown_constant> <pds:not_applicable_constant>{0,1}</pds:not_applicable_constant> <pds:valid_maximum>{0,1}</pds:valid_maximum> <pds:high_instrument_saturation>{0,1}</pds:high_instrument_saturation> <pds:high_representation_saturation>{0,1}</pds:high_representation_saturation> <pds:valid_minimum>{0,1}</pds:valid_minimum> <pds:low_instrument_saturation>{0,1}</pds:low_instrument_saturation> <pds:low_representation_saturation>{0,1}</pds:low_representation_saturation> </pds:Special_Constants></pre>
Source	<pre><xs:element name="Special_Constants" type="pds:Special_Constants" minOccurs="0" maxOccurs="1"> </xs:element></pre>

Element pds:Record_Binary / pds:Group_Field_Binary

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Group_Field_Binary
Type hierarchy	<ul style="list-style-type: none"> pds:Group pds:Group_Field_Binary
Properties	<p>content: complex</p>
Model	<p>pds:name{0,1} , pds:group_number{0,1} , pds:repetitions , pds:fields , pds:groups , pds:description{0,1} , pds:group_location , pds:group_length , (pds:Field_Binary pds:Group_Field_Binary)</p>
Children	<p>pds:Field_Binary, pds:Group_Field_Binary, pds:description, pds:fields, pds:group_length, pds:group_location, pds:group_number, pds:groups, pds:name, pds:repetitions</p>
Instance	<pre><pds:Group_Field_Binary xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"></pre>

	<pre> <pds:name>{0,1}</pds:name> <pds:group_number>{0,1}</pds:group_number> <pds:repetitions>{1,1}</pds:repetitions> <pds:fields>{1,1}</pds:fields> <pds:groups>{1,1}</pds:groups> <pds:description>{0,1}</pds:description> <pds:group_location unit="">{1,1}</pds:group_location> <pds:group_length unit="">{1,1}</pds:group_length> <pds:Field_Binary>{1,1}</pds:Field_Binary> <pds:Group_Field_Binary>{1,1}</pds:Group_Field_Binary> </pds:Group_Field_Binary> </pre>
Source	<pre> <xs:element name="Group_Field_Binary" type="pds:Group_Field_Binary"> </xs:element> </pre>

Element pds:Group_Field_Binary / pds:group_location

Namespace	http://pds.nasa.gov/pds4/pds/v1								
Diagram	<p>The diagram shows the structure of the <code>pds:group_location</code> element. It includes a sub-element <code>pds:group_location_WO_Units</code>, a section for attributes containing <code>unit</code>, and a callout box stating: "The group_location attribute provides the starting position for a Group_Field_Binary within the containing..."</p>								
Type	pds:group_location								
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:group_location_WO_Units • pds:group_location 								
Properties	content:	complex							
	minOccurs:	1							
	maxOccurs:	1							
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Storage</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Storage	required		
QName	Type	Use							
unit	pds:Units_of_Storage	required							
Source	<pre> <xs:element name="group_location" type="pds:group_location" minOccurs="1" maxOccurs="1"> </xs:element> </pre>								

Element pds:Group_Field_Binary / pds:group_length

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram	<p>The diagram shows the structure of the <code>pds:group_length</code> element. It includes a sub-element <code>pds:group_length_WO_Units</code>, a section for attributes containing <code>unit</code>, and a callout box stating: "The group_length attribute provides the total length, in bytes, of a repeating field and/or group structure. It is the..."</p>		
Type	pds:group_length		
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:group_length_WO_Units • pds:group_length 		

Properties	content:	complex		
	minOccurs:	1		
	maxOccurs:	1		
Attributes	QName	Type	Use	
	unit	pds:Units_of_Storage	required	
Source	<code><xs:element name="group_length" type="pds:group_length" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>			

Element pds:Group_Field_Binary / pds:Field_Binary

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Field_Binary
Type hierarchy	<ul style="list-style-type: none"> pds:Field <ul style="list-style-type: none"> pds:Field_Binary
Properties	content: complex
Model	pds:name , pds:field_number{0,1} , pds:field_location , pds:data_type , pds:field_length , pds:field_format{0,1} , pds:unit{0,1} , pds:scaling_factor{0,1} , pds:value_offset{0,1} , pds:description{0,1} , pds:Special_Constants{0,1} , pds:Field_Statistics{0,1} , pds:Packed_Data_Fields{0,1}
Children	pds:Field_Statistics, pds:Packed_Data_Fields, pds:Special_Constants, pds:data_type, pds:description, pds:field_format, pds:field_length, pds:field_location, pds:field_number, pds:name, pds:scaling_factor, pds:unit, pds:value_offset
Instance	<pre> <pds:Field_Binary xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{1,1}</pds:name> <pds:field_number>{0,1}</pds:field_number> <pds:field_location unit="">{1,1}</pds:field_location> <pds:data_type>{1,1}</pds:data_type> <pds:field_length unit="">{1,1}</pds:field_length> <pds:field_format>{0,1}</pds:field_format> <pds:unit>{0,1}</pds:unit> <pds:scaling_factor>{0,1}</pds:scaling_factor> <pds:value_offset>{0,1}</pds:value_offset> <pds:description>{0,1}</pds:description> <pds:Special_Constants>{0,1}</pds:Special_Constants> </pre>

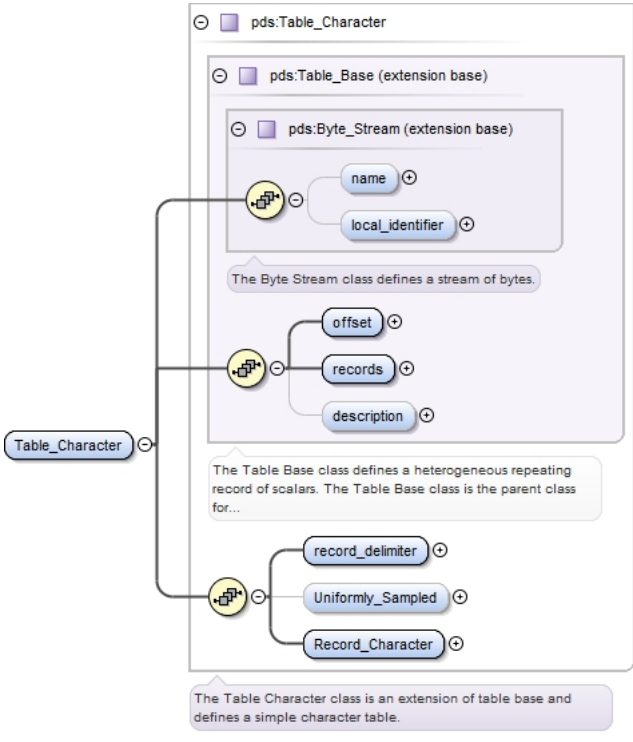
	<pre><pds:Field_Statistics>{0,1}</pds:Field_Statistics> <pds:Packed_Data_Fields>{0,1}</pds:Packed_Data_Fields> </pds:Field_Binary></pre>
Source	<pre><xs:element name="Field_Binary" type="pds:Field_Binary"> </xs:element></pre>

Element pds:Group_Field_Binary / pds:Group_Field_Binary

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Group_Field_Binary
Type hierarchy	<ul style="list-style-type: none"> pds:Group <ul style="list-style-type: none"> pds:Group_Field_Binary
Properties	content: complex
Model	pds:name{0,1} , pds:group_number{0,1} , pds:repetitions , pds:fields , pds:groups , pds:description{0,1} , pds:group_location , pds:group_length , (pds:Field_Binary pds:Group_Field_Binary)
Children	pds:Field_Binary, pds:Group_Field_Binary, pds:description, pds:fields, pds:group_length, pds:group_location, pds:group_number, pds:groups, pds:name, pds:repetitions
Instance	<pre><pds:Group_Field_Binary xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:group_number>{0,1}</pds:group_number> <pds:repetitions>{1,1}</pds:repetitions> <pds:fields>{1,1}</pds:fields> <pds:groups>{1,1}</pds:groups> <pds:description>{0,1}</pds:description> <pds:group_location unit="">{1,1}</pds:group_location> <pds:group_length unit="">{1,1}</pds:group_length> <pds:Field_Binary>{1,1}</pds:Field_Binary> <pds:Group_Field_Binary>{1,1}</pds:Group_Field_Binary> </pds:Group_Field_Binary></pre>
Source	<pre><xs:element name="Group_Field_Binary" type="pds:Group_Field_Binary"> </xs:element></pre>

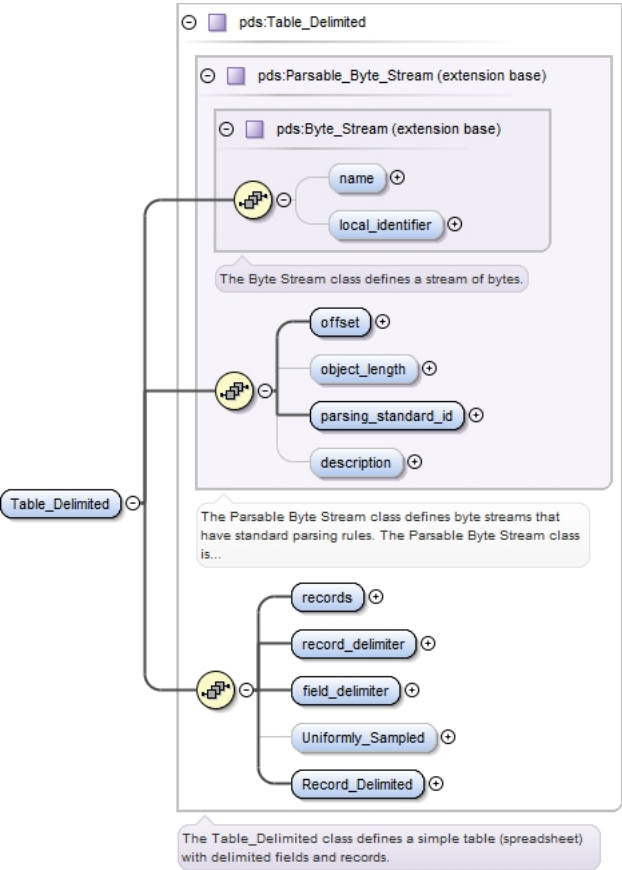
Element pds:File_Area_Browse / pds:Table_Character

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram	
Type	pds:Table_Character
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Table_Base • pds:Table_Character
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:records , pds:description{0,1} , pds:record_delimiter , pds:Uniformly_Sampled{0,1} , pds:Record_Character
Children	pds:Record_Character, pds:Uniformly_Sampled, pds:description, pds:local_identifier, pds:name, pds:offset, pds:record_delimiter, pds:records
Instance	<pre><pds:Table_Character xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:records>{1,1}</pds:records> <pds:description>{0,1}</pds:description> <pds:record_delimiter>{1,1}</pds:record_delimiter> <pds:Uniformly_Sampled>{0,1}</pds:Uniformly_Sampled> <pds:Record_Character>{1,1}</pds:Record_Character> </pds:Table_Character></pre>
Source	<pre><xs:element name="Table_Character" type="pds:Table_Character"> </xs:element></pre>

Element pds:File_Area_Browse / pds:Table_Delimited

Namespace	http://pds.nasa.gov/pds4/pds/v1
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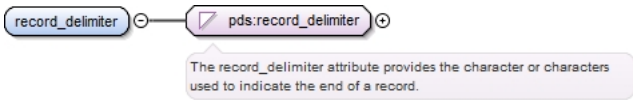
Diagram	
Type	pds:Table_Delimited
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Parseable_Byte_Stream • pds:Table_Delimited
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:parsing_standard_id , pds:description{0,1} , pds:records , pds:record_delimiter , pds:field_delimiter , pds:Uniformly_Sampled{0,1} , pds:Record_Delimited
Children	pds:Record_Delimited, pds:Uniformly_Sampled, pds:description, pds:field_delimiter, pds:local_identifier, pds:name, pds:object_length, pds:offset, pds:parsing_standard_id, pds:record_delimiter, pds:records
Instance	<pre><pds:Table_Delimited xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:object_length unit="">{0,1}</pds:object_length> <pds:parsing_standard_id>{1,1}</pds:parsing_standard_id> <pds:description>{0,1}</pds:description> <pds:records>{1,1}</pds:records> <pds:record_delimiter>{1,1}</pds:record_delimiter> <pds:field_delimiter>{1,1}</pds:field_delimiter> <pds:Uniformly_Sampled>{0,1}</pds:Uniformly_Sampled> <pds:Record_Delimited>{1,1}</pds:Record_Delimited> </pds:Table_Delimited></pre>
Source	<pre><xs:element name="Table_Delimited" type="pds:Table_Delimited"> </xs:element></pre>

Element pds:Table_Delimited / pds:records

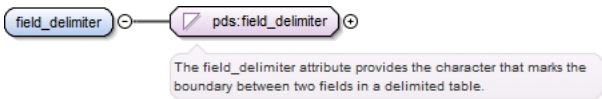
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:records

Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:records 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minInclusive</td> <td>1</td> </tr> </table>	minInclusive	1				
minInclusive	1						
Source	<code><xs:element name="records" type="pds:records" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Table_Delimited / pds:record_delimiter

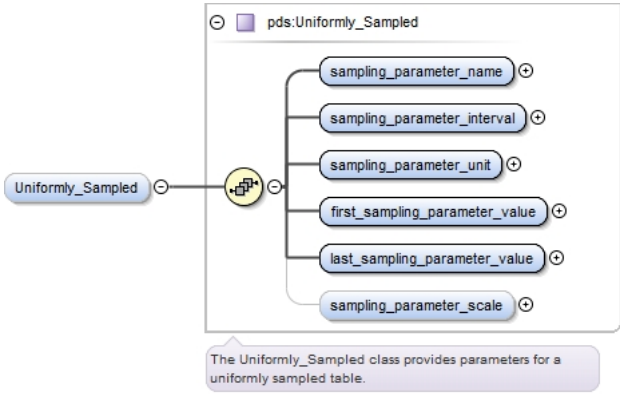
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:record_delimiter						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:record_delimiter 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="record_delimiter" type="pds:record_delimiter" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Table_Delimited / pds:field_delimiter

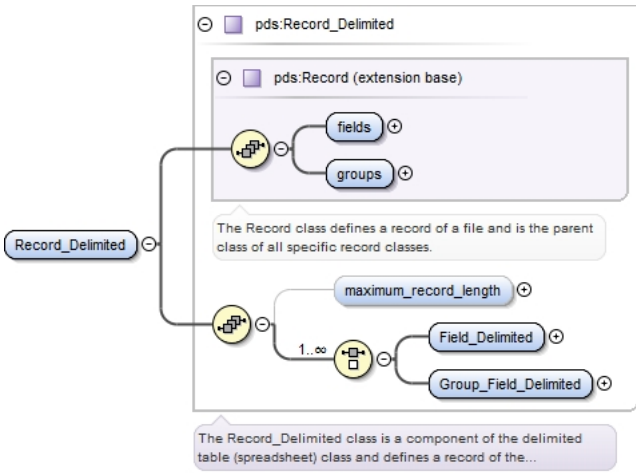
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:field_delimiter						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:field_delimiter 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="field_delimiter" type="pds:field_delimiter" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Table_Delimited / pds:Uniformly_Sampled

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:Uniformly_Sampled						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:sampling_parameter_name , pds:sampling_parameter_interval , pds:sampling_parameter_unit , pds:first_sampling_parameter_value , pds:last_sampling_parameter_value , pds:sampling_parameter_scale{0,1}						
Children	pds:first_sampling_parameter_value , pds:last_sampling_parameter_value , pds:sampling_parameter_interval , pds:sampling_parameter_name , pds:sampling_parameter_scale , pds:sampling_parameter_unit						
Instance	<pre><pds:Uniformly_Sampled xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:sampling_parameter_name>{1,1}</pds:sampling_parameter_name> <pds:sampling_parameter_interval>{1,1}</pds:sampling_parameter_interval> <pds:sampling_parameter_unit>{1,1}</pds:sampling_parameter_unit> <pds:first_sampling_parameter_value>{1,1}</pds:first_sampling_parameter_value> <pds:last_sampling_parameter_value>{1,1}</pds:last_sampling_parameter_value> <pds:sampling_parameter_scale>{0,1}</pds:sampling_parameter_scale> </pds:Uniformly_Sampled></pre>						
Source	<pre><xs:element name="Uniformly_Sampled" type="pds:Uniformly_Sampled" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Table_Delimited / pds:Record_Delimited

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Record_Delimited						
Type hierarchy	<ul style="list-style-type: none"> pds:Record pds:Record_Delimited 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:fields , pds:groups , pds:maximum_record_length{0,1} , (pds:Field_Delimited pds:Group_Field_Delimited)						

Children	pds:Field_Delimited, pds:Group_Field_Delimited, pds:fields, pds:groups, pds:maximum_record_length
Instance	<pre><pds:Record_Delimited xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:fields>{1,1}</pds:fields> <pds:groups>{1,1}</pds:groups> <pds:maximum_record_length unit="">{0,1}</pds:maximum_record_length> <pds:Field_Delimited>{1,1}</pds:Field_Delimited> <pds:Group_Field_Delimited>{1,1}</pds:Group_Field_Delimited> </pds:Record_Delimited></pre>
Source	<pre><xs:element name="Record_Delimited" type="pds:Record_Delimited" minOccurs="1" maxOccurs="1"> </xs:element></pre>

Element pds:Record_Delimited / pds:maximum_record_length

Namespace	http://pds.nasa.gov/pds4/pds/v1								
Diagram									
Type	pds:maximum_record_length								
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer <ul style="list-style-type: none"> • pds:maximum_record_length_WO_Units • pds:maximum_record_length 								
Properties	content:	complex							
	minOccurs:	0							
	maxOccurs:	1							
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Storage</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Storage	required		
QName	Type	Use							
unit	pds:Units_of_Storage	required							
Source	<pre><xs:element name="maximum_record_length" type="pds:maximum_record_length" minOccurs="0" maxOccurs="1"> </xs:element></pre>								

Element pds:Record_Delimited / pds:Field_Delimited

Namespace	http://pds.nasa.gov/pds4/pds/v1
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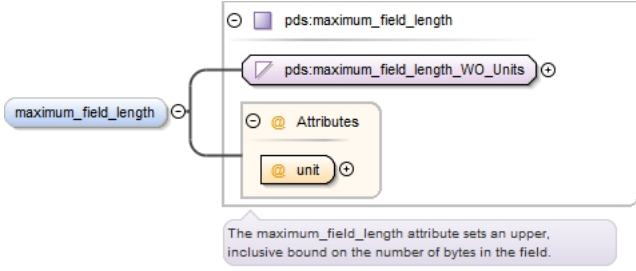
Diagram	
Type	pds:Field_Delimited
Type hierarchy	<ul style="list-style-type: none"> • pds:Field • pds:Field_Delimited
Properties	content: complex
Model	pds:name , pds:field_number{0,1} , pds:data_type , pds:maximum_field_length{0,1} , pds:field_format{0,1} , pds:unit{0,1} , pds:scaling_factor{0,1} , pds:value_offset{0,1} , pds:description{0,1} , pds:Special_Constants{0,1} , pds:Field_Statistics{0,1}
Children	pds:Field_Statistics, pds:Special_Constants, pds:data_type, pds:description, pds:field_format, pds:field_number, pds:maximum_field_length, pds:name, pds:scaling_factor, pds:unit, pds:value_offset
Instance	<pre><pds:Field_Delimited xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{1,1}</pds:name> <pds:field_number>{0,1}</pds:field_number> <pds:data_type>{1,1}</pds:data_type> <pds:maximum_field_length unit="">{0,1}</pds:maximum_field_length> <pds:field_format>{0,1}</pds:field_format> <pds:unit>{0,1}</pds:unit> <pds:scaling_factor>{0,1}</pds:scaling_factor> <pds:value_offset>{0,1}</pds:value_offset> <pds:description>{0,1}</pds:description> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Field_Statistics>{0,1}</pds:Field_Statistics> </pds:Field_Delimited></pre>
Source	<pre><xs:element name="Field_Delimited" type="pds:Field_Delimited"> </xs:element></pre>

Element pds:Field_Delimited / pds:data_type

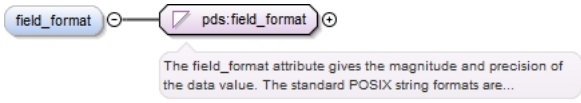
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:data_type
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:data_type
Properties	content: simple

	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="data_type" type="pds:data_type" minOccurs="1" maxOccurs="1"> </xs:element></code>	

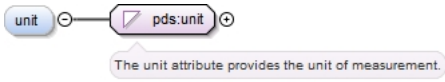
Element pds:Field_Delimited / pds:maximum_field_length

Namespace	http://pds.nasa.gov/pds4/pds/v1								
Diagram									
Type	pds:maximum_field_length								
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer <ul style="list-style-type: none"> • pds:maximum_field_length_WO_Units • pds:maximum_field_length 								
Properties	content:	complex							
	minOccurs:	0							
	maxOccurs:	1							
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Storage</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Storage	required		
QName	Type	Use							
unit	pds:Units_of_Storage	required							
Source	<code><xs:element name="maximum_field_length" type="pds:maximum_field_length" minOccurs="0" maxOccurs="1"> </xs:element></code>								

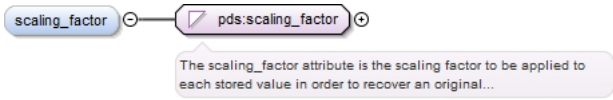
Element pds:Field_Delimited / pds:field_format

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:field_format		
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> • pds:field_format 		
Properties	content:	simple	
	minOccurs:	0	
	maxOccurs:	1	
Facets	minLength	1	
	maxLength	255	
	pattern	\p{IsBasicLatin}*	
Source	<code><xs:element name="field_format" type="pds:field_format" minOccurs="0" maxOccurs="1"> </xs:element></code>		

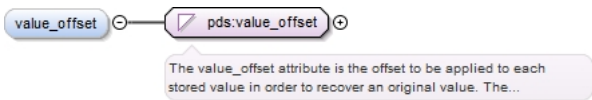
Element pds:Field_Delimited / pds:unit

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:unit						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:UTF8_Short_String_Collapsed • pds:unit 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<code><xs:element name="unit" type="pds:unit" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:Field_Delimited / pds:scaling_factor

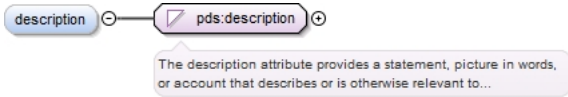
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:scaling_factor						
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:scaling_factor 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xs:element name="scaling_factor" type="pds:scaling_factor" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:Field_Delimited / pds:value_offset

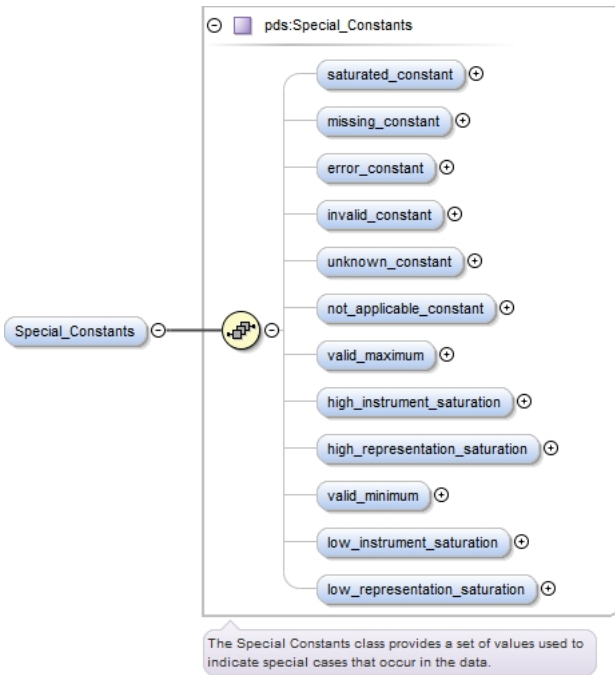
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:value_offset						
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:value_offset 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xs:element name="value_offset" type="pds:value_offset" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:Field_Delimited / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1
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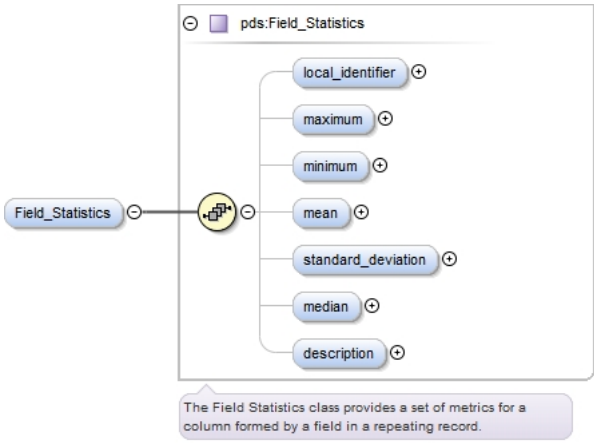
Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<pre><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Field_Delimited / pds:Special_Constants

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Special_Constants						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	<p>pds:saturated_constant{0,1} , pds:missing_constant{0,1} , pds:error_constant{0,1} , pds:invalid_constant{0,1} , pds:unknown_constant{0,1} , pds:not_applicable_constant{0,1} , pds:valid_maximum{0,1} , pds:high_instrument_saturation{0,1} , pds:high_representation_saturation{0,1} , pds:valid_minimum{0,1} , pds:low_instrument_saturation{0,1} , pds:low_representation_saturation{0,1}</p>						
Children	<p>pds:error_constant, pds:high_instrument_saturation, pds:high_representation_saturation, pds:invalid_constant, pds:low_instrument_saturation, pds:low_representation_saturation, pds:missing_constant, pds:not_applicable_constant, pds:saturated_constant, pds:unknown_constant, pds:valid_maximum, pds:valid_minimum</p>						
Instance	<pre><pds:Special_Constants xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:saturated_constant>{0,1}</pds:saturated_constant> <pds:missing_constant>{0,1}</pds:missing_constant> <pds:error_constant>{0,1}</pds:error_constant> <pds:invalid_constant>{0,1}</pds:invalid_constant> <pds:unknown_constant>{0,1}</pds:unknown_constant> <pds:not_applicable_constant>{0,1}</pds:not_applicable_constant></pre>						

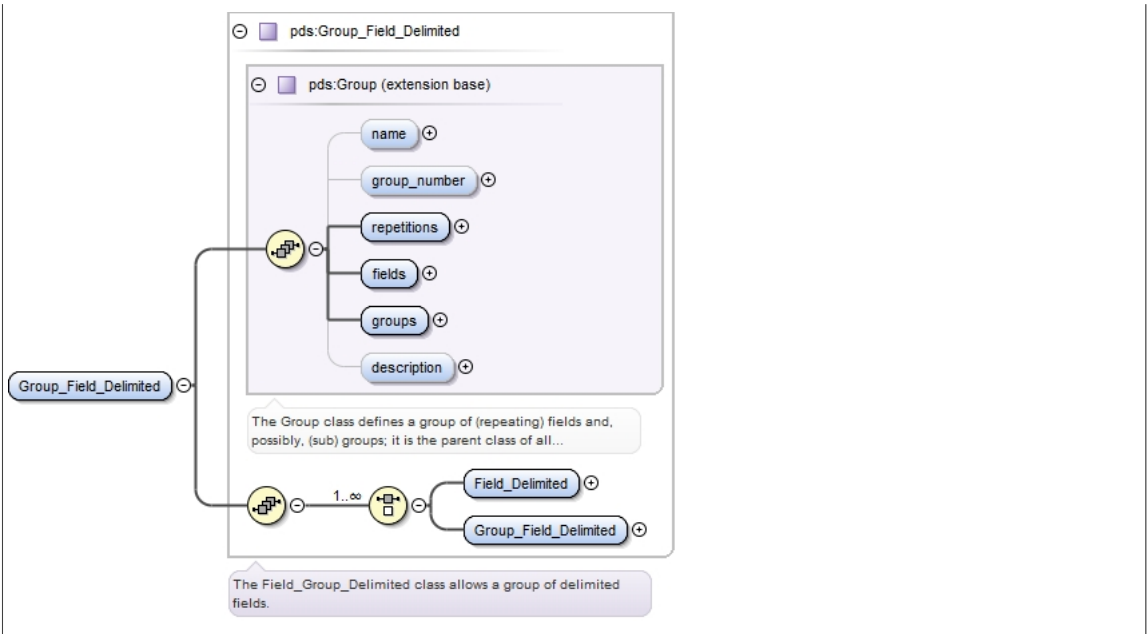
	<pre> <pds:valid_maximum>{0,1}</pds:valid_maximum> <pds:high_instrument_saturation>{0,1}</pds:high_instrument_saturation> <pds:high_representation_saturation>{0,1}</pds:high_representation_saturation> <pds:valid_minimum>{0,1}</pds:valid_minimum> <pds:low_instrument_saturation>{0,1}</pds:low_instrument_saturation> <pds:low_representation_saturation>{0,1}</pds:low_representation_saturation> </pds:Special_Constants> </pre>
Source	<pre> <xs:element name="Special_Constants" type="pds:Special_Constants" minOccurs="0" maxOccurs="1"> </xs:element> </pre>

Element pds:Field_Delimited / pds:Field_Statistics

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Field_Statistics						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:local_identifier{0,1} , pds:maximum{0,1} , pds:minimum{0,1} , pds:mean{0,1} , pds:standard_deviation{0,1} , pds:median{0,1} , pds:description{0,1}						
Children	pds:description, pds:local_identifier, pds:maximum, pds:mean, pds:median, pds:minimum, pds:standard_deviation						
Instance	<pre> <pds:Field_Statistics xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:maximum>{0,1}</pds:maximum> <pds:minimum>{0,1}</pds:minimum> <pds:mean>{0,1}</pds:mean> <pds:standard_deviation>{0,1}</pds:standard_deviation> <pds:median>{0,1}</pds:median> <pds:description>{0,1}</pds:description> </pds:Field_Statistics> </pre>						
Source	<pre> <xs:element name="Field_Statistics" type="pds:Field_Statistics" minOccurs="0" maxOccurs="1"> </xs:element> </pre>						

Element pds:Record_Delimited / pds:Group_Field_Delimited

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram	
Type	pds:Group_Field_Delimited
Type hierarchy	<ul style="list-style-type: none"> • pds:Group • pds:Group_Field_Delimited
Properties	content: complex
Model	pds:name{0,1} , pds:group_number{0,1} , pds:repetitions , pds:fields , pds:groups , pds:description{0,1} , (pds:Field_Delimited pds:Group_Field_Delimited)
Children	pds:Field_Delimited, pds:Group_Field_Delimited, pds:description, pds:fields, pds:group_number, pds:groups, pds:name, pds:repetitions
Instance	<pre><pds:Group_Field_Delimited xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:group_number>{0,1}</pds:group_number> <pds:repetitions>{1,1}</pds:repetitions> <pds:fields>{1,1}</pds:fields> <pds:groups>{1,1}</pds:groups> <pds:description>{0,1}</pds:description> <pds:Field_Delimited>{1,1}</pds:Field_Delimited> <pds:Group_Field_Delimited>{1,1}</pds:Group_Field_Delimited> </pds:Group_Field_Delimited></pre>
Source	<pre><xs:element name="Group_Field_Delimited" type="pds:Group_Field_Delimited"> </xs:element></pre>

Element pds:Group_Field_Delimited / pds:Field_Delimited

Namespace	http://pds.nasa.gov/pds4/pds/v1
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<p>Diagram</p>	<p>The diagram illustrates the class structure for pds:Field_Delimited. It is a complex type that contains two main components: pds:Field (extension base) and a set of attributes. The pds:Field class is the parent class for all specific field classes and defines a field of a record. The pds:Field_Delimited class defines a field of a delimited record or a field of a delimited group. The attributes of pds:Field_Delimited include name, field_number, data_type, maximum_field_length, field_format, unit, scaling_factor, value_offset, description, Special_Constants, and Field_Statistics.</p>
<p>Type</p>	<p>pds:Field_Delimited</p>
<p>Type hierarchy</p>	<ul style="list-style-type: none"> • pds:Field • pds:Field_Delimited
<p>Properties</p>	<p>content: complex</p>
<p>Model</p>	<p>pds:name , pds:field_number{0,1} , pds:data_type , pds:maximum_field_length{0,1} , pds:field_format{0,1} , pds:unit{0,1} , pds:scaling_factor{0,1} , pds:value_offset{0,1} , pds:description{0,1} , pds:Special_Constants{0,1} , pds:Field_Statistics{0,1}</p>
<p>Children</p>	<p>pds:Field_Statistics, pds:Special_Constants, pds:data_type, pds:description, pds:field_format, pds:field_number, pds:maximum_field_length, pds:name, pds:scaling_factor, pds:unit, pds:value_offset</p>
<p>Instance</p>	<pre><pds:Field_Delimited xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{1,1}</pds:name> <pds:field_number>{0,1}</pds:field_number> <pds:data_type>{1,1}</pds:data_type> <pds:maximum_field_length unit="">{0,1}</pds:maximum_field_length> <pds:field_format>{0,1}</pds:field_format> <pds:unit>{0,1}</pds:unit> <pds:scaling_factor>{0,1}</pds:scaling_factor> <pds:value_offset>{0,1}</pds:value_offset> <pds:description>{0,1}</pds:description> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Field_Statistics>{0,1}</pds:Field_Statistics> </pds:Field_Delimited></pre>
<p>Source</p>	<pre><xs:element name="Field_Delimited" type="pds:Field_Delimited"> </xs:element></pre>

Element pds:Group_Field_Delimited / pds:Group_Field_Delimited

<p>Namespace</p>	<p>http://pds.nasa.gov/pds4/pds/v1</p>
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Diagram	
Type	pds:Group_Field_Delimited
Type hierarchy	<ul style="list-style-type: none"> • pds:Group • pds:Group_Field_Delimited
Properties	content: complex
Model	pds:name{0,1} , pds:group_number{0,1} , pds:repetitions , pds:fields , pds:groups , pds:description{0,1} , (pds:Field_Delimited pds:Group_Field_Delimited)
Children	pds:Field_Delimited, pds:Group_Field_Delimited, pds:description, pds:fields, pds:group_number, pds:groups, pds:name, pds:repetitions
Instance	<pre><pds:Group_Field_Delimited xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:group_number>{0,1}</pds:group_number> <pds:repetitions>{1,1}</pds:repetitions> <pds:fields>{1,1}</pds:fields> <pds:groups>{1,1}</pds:groups> <pds:description>{0,1}</pds:description> <pds:Field_Delimited>{1,1}</pds:Field_Delimited> <pds:Group_Field_Delimited>{1,1}</pds:Group_Field_Delimited> </pds:Group_Field_Delimited></pre>
Source	<pre><xs:element name="Group_Field_Delimited" type="pds:Group_Field_Delimited"> </xs:element></pre>

Element pds:Product_Bundle

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram	
Type	pds:Product_Bundle
Type hierarchy	<ul style="list-style-type: none"> • pds:Product • pds:Product_Bundle
Properties	content: complex
Model	pds:Identification_Area , pds:Context_Area{0,1} , pds:Reference_List{0,1} , pds:Bundle , pds:File_Area_Text{0,1} , pds:Bundle_Member_Entry+
Children	pds:Bundle, pds:Bundle_Member_Entry, pds:Context_Area, pds:File_Area_Text, pds:Identification_Area, pds:Reference_List
Instance	<pre><pds:Product_Bundle xmlns:pds="http://pds.nasa.gov/pds4/pds/v1" > <pds:Identification_Area>{1,1}</pds:Identification_Area> <pds:Context_Area>{0,1}</pds:Context_Area> <pds:Reference_List>{0,1}</pds:Reference_List> <pds:Bundle>{1,1}</pds:Bundle> <pds:File_Area_Text>{0,1}</pds:File_Area_Text> <pds:Bundle_Member_Entry>{1,unbounded}</pds:Bundle_Member_Entry> </pds:Product_Bundle></pre>
Source	<pre><xs:element name="Product_Bundle" type="pds:Product_Bundle"> </xs:element></pre>

Element pds:Product_Bundle / pds:Context_Area

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Context_Area						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						

Model	pds:comment{0,1} , pds:Time_Coordinates{0,1} , pds:Primary_Result_Summary{0,1} , pds:Investigation_Area* , pds:Observing_System* , pds:Target_Identification* , pds:Mission_Area{0,1} , pds:Discipline_Area{0,1}
Children	pds:Discipline_Area, pds:Investigation_Area, pds:Mission_Area, pds:Observing_System, pds:Primary_Result_Summary, pds:Target_Identification, pds:Time_Coordinates, pds:comment
Instance	<pre><pds:Context_Area xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:comment>{0,1}</pds:comment> <pds:Time_Coordinates>{0,1}</pds:Time_Coordinates> <pds:Primary_Result_Summary>{0,1}</pds:Primary_Result_Summary> <pds:Investigation_Area>{0,unbounded}</pds:Investigation_Area> <pds:Observing_System>{0,unbounded}</pds:Observing_System> <pds:Target_Identification>{0,unbounded}</pds:Target_Identification> <pds:Mission_Area>{0,1}</pds:Mission_Area> <pds:Discipline_Area>{0,1}</pds:Discipline_Area> </pds:Context_Area></pre>
Source	<pre><xs:element name="Context_Area" type="pds:Context_Area" minOccurs="0" maxOccurs="1"> </xs:element></pre>

Element pds:Context_Area / pds:comment

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:comment						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Text_Preserved pds:comment 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*		
minLength	1						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="comment" type="pds:comment" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Context_Area / pds:Time_Coordinates

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Time_Coordinates						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:start_date_time , pds:stop_date_time , pds:local_mean_solar_time{0,1} , pds:local_true_solar_time{0,1} , pds:solar_longitude{0,1}						
Children	pds:local_mean_solar_time, pds:local_true_solar_time, pds:solar_longitude, pds:start_date_time, pds:stop_date_time						
Instance	<pre><pds:Time_Coordinates xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"></pre>						

	<pre><pds:start_date_time nilReason="">{1,1}</pds:start_date_time> <pds:stop_date_time nilReason="">{1,1}</pds:stop_date_time> <pds:local_mean_solar_time>{0,1}</pds:local_mean_solar_time> <pds:local_true_solar_time>{0,1}</pds:local_true_solar_time> <pds:solar_longitude unit="">{0,1}</pds:solar_longitude> </pds:Time_Coordinates></pre>
Source	<pre><xs:element name="Time_Coordinates" type="pds:Time_Coordinates" minOccurs="0" maxOccurs="1"> </xs:element></pre>

Element pds:Time_Coordinates / pds:start_date_time

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:start_date_time		
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Date_Time_YMD_UTC • pds:start_date_time 		
Properties	content:	complex	
	minOccurs:	1	
	maxOccurs:	1	
	nillable:	true	
Attributes	QName	Type	Use
	nilReason	pds:nil_reason	optional
Source	<pre><xs:element name="start_date_time" nillable="true" type="pds:start_date_time" minOccurs="1" maxOccurs="1"> </xs:element></pre>		

Element pds:Time_Coordinates / pds:stop_date_time

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:stop_date_time		
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Date_Time_YMD_UTC • pds:stop_date_time 		
Properties	content:	complex	
	minOccurs:	1	
	maxOccurs:	1	
	nillable:	true	
Attributes	QName	Type	Use
	nilReason	pds:nil_reason	optional
Source	<pre><xs:element name="stop_date_time" nillable="true" type="pds:stop_date_time" minOccurs="1" maxOccurs="1"> </xs:element></pre>		

Element pds:Time_Coordinates / pds:local_mean_solar_time

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:local_mean_solar_time						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:local_mean_solar_time 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>8</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	8	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	8						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="local_mean_solar_time" type="pds:local_mean_solar_time" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Time_Coordinates / pds:local_true_solar_time

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:local_true_solar_time						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:local_true_solar_time 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>8</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	8	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	8						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="local_true_solar_time" type="pds:local_true_solar_time" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Time_Coordinates / pds:solar_longitude

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	

Type	pds:solar_longitude		
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • pds:solar_longitude_WO_Units • pds:solar_longitude 		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Angle	required
Source	<pre><xs:element name="solar_longitude" type="pds:solar_longitude" minOccurs="0" maxOccurs="1"> </xs:element></pre>		

Element pds:Context_Area / pds:Primary_Result_Summary

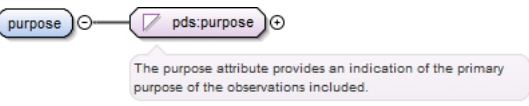
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:Primary_Result_Summary		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Model	pds:type{0,1} , pds:purpose , pds:data_regime* , pds:processing_level , pds:processing_level_id{0,1} , pds:description{0,1} , pds:Science_Facets*		
Children	pds:Science_Facets, pds:data_regime, pds:description, pds:processing_level, pds:processing_level_id, pds:purpose, pds:type		
Instance	<pre><pds:Primary_Result_Summary xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:type>{0,1}</pds:type> <pds:purpose>{1,1}</pds:purpose> <pds:data_regime>{0,unbounded}</pds:data_regime> <pds:processing_level>{1,1}</pds:processing_level> <pds:processing_level_id>{0,1}</pds:processing_level_id> <pds:description>{0,1}</pds:description> <pds:Science_Facets>{0,unbounded}</pds:Science_Facets> </pds:Primary_Result_Summary></pre>		
Source	<pre><xs:element name="Primary_Result_Summary" type="pds:Primary_Result_Summary" minOccurs="0" maxOccurs="1"> </xs:element></pre>		

Element pds:Primary_Result_Summary / pds:type

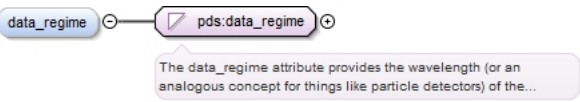
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			

Type	pds:type						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:type 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="type" type="pds:type" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Primary_Result_Summary / pds:purpose

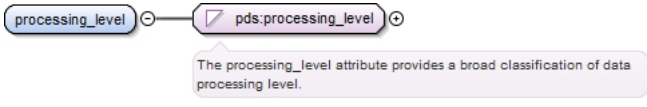
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:purpose						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:purpose 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="purpose" type="pds:purpose" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Primary_Result_Summary / pds:data_regime

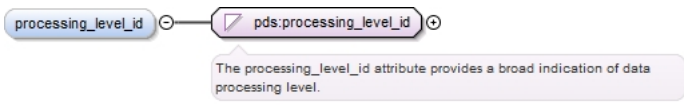
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:data_regime						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:data_regime 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	unbounded
content:	simple						
minOccurs:	0						
maxOccurs:	unbounded						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="data_regime" type="pds:data_regime" minOccurs="0" maxOccurs="unbounded"></code>						

</xs:element>

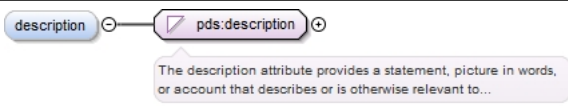
Element pds:Primary_Result_Summary / pds:processing_level

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:processing_level						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:processing_level 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<xs:element name="processing_level" type="pds:processing_level" minOccurs="1" maxOccurs="1"></xs:element>						

Element pds:Primary_Result_Summary / pds:processing_level_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:processing_level_id						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:processing_level_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<xs:element name="processing_level_id" type="pds:processing_level_id" minOccurs="0" maxOccurs="1"></xs:element>						

Element pds:Primary_Result_Summary / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:description
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description

Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
Source	<code><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element></code>	

Element pds:Primary_Result_Summary / pds:Science_Facets

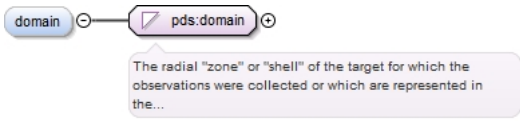
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Science_Facets						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	pds:wavelength_range*, pds:domain*, pds:discipline_name, pds:facet1{0,1}, pds:subfacet1*, pds:facet2{0,1}, pds:subfacet2*						
Children	pds:discipline_name, pds:domain, pds:facet1, pds:facet2, pds:subfacet1, pds:subfacet2, pds:wavelength_range						
Instance	<pre><pds:Science_Facets xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:wavelength_range>{0,unbounded}</pds:wavelength_range> <pds:domain>{0,unbounded}</pds:domain> <pds:discipline_name>{1,1}</pds:discipline_name> <pds:facet1>{0,1}</pds:facet1> <pds:subfacet1>{0,unbounded}</pds:subfacet1> <pds:facet2>{0,1}</pds:facet2> <pds:subfacet2>{0,unbounded}</pds:subfacet2> </pds:Science_Facets></pre>						
Source	<code><xs:element name="Science_Facets" type="pds:Science_Facets" minOccurs="0" maxOccurs="unbounded"> </xs:element></code>						

Element pds:Science_Facets / pds:wavelength_range


Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:wavelength_range						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:wavelength_range 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	unbounded
content:	simple						
minOccurs:	0						
maxOccurs:	unbounded						

Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="wavelength_range" type="pds:wavelength_range" minOccurs="0" maxOccurs="unbounded"> </xs:element></code>	

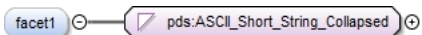
Element pds:Science_Facets / pds:domain

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:domain	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:domain 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	unbounded
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="domain" type="pds:domain" minOccurs="0" maxOccurs="unbounded"> </xs:element></code>	

Element pds:Science_Facets / pds:discipline_name

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:ASCII_Short_String_Collapsed	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="discipline_name" type="pds:ASCII_Short_String_Collapsed" minOccurs="1" maxOccurs="1"> </xs:element></code>	

Element pds:Science_Facets / pds:facet1

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:ASCII_Short_String_Collapsed	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1

	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="facet1" type="pds:ASCII_Short_String_Collapsed" minOccurs="0" maxOccurs="1"> </xs:element></code>	

Element pds:Science_Facets / pds:subfacet1

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:ASCII_Short_String_Collapsed	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	unbounded
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="subfacet1" type="pds:ASCII_Short_String_Collapsed" minOccurs="0" maxOccurs="unbounded"> </xs:element></code>	

Element pds:Science_Facets / pds:facet2

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:ASCII_Short_String_Collapsed	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="facet2" type="pds:ASCII_Short_String_Collapsed" minOccurs="0" maxOccurs="1"> </xs:element></code>	

Element pds:Science_Facets / pds:subfacet2

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:ASCII_Short_String_Collapsed	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	unbounded
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="subfacet2" type="pds:ASCII_Short_String_Collapsed" minOccurs="0" maxOccurs="unbounded"> </xs:element></code>	

Element pds:Context_Area / pds:Investigation_Area

Namespace	http://pds.nasa.gov/pds4/pds/v1	
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Diagram							
Type	pds:Investigation_Area						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	pds:name , pds:type , pds:Internal_Reference+						
Children	pds:Internal_Reference, pds:name, pds:type						
Instance	<pre><pds:Investigation_Area xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{1,1}</pds:name> <pds:type>{1,1}</pds:type> <pds:Internal_Reference>{1,unbounded}</pds:Internal_Reference> </pds:Investigation_Area></pre>						
Source	<pre><xs:element name="Investigation_Area" type="pds:Investigation_Area" minOccurs="0" maxOccurs="unbounded"> </xs:element></pre>						

Element pds:Investigation_Area / pds:name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> xs:token <ul style="list-style-type: none"> pds:UTF8_Short_String_Collapsed <ul style="list-style-type: none"> pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<pre><xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Investigation_Area / pds:type

Namespace	http://pds.nasa.gov/pds4/pds/v1				
Diagram					
Type	pds:type				
Type hierarchy	<ul style="list-style-type: none"> xs:token <ul style="list-style-type: none"> pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> pds:type 				
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1
content:	simple				
minOccurs:	1				

	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="type" type="pds:type" minOccurs="1" maxOccurs="1"> </xs:element></code>	

Element pds:Investigation_Area / pds:Internal_Reference

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram	<p>The Internal_Reference class is used to cross-reference other products in the PDS registry system.</p>	
Type	pds:Internal_Reference	
Properties	content:	complex
	minOccurs:	1
	maxOccurs:	unbounded
Model	(pds:lid_reference{0,1} pds:lidvid_reference{0,1}) , pds:reference_type , pds:comment{0,1}	
Children	pds:comment, pds:lid_reference, pds:lidvid_reference, pds:reference_type	
Instance	<pre><pds:Internal_Reference xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:lid_reference>{0,1}</pds:lid_reference> <pds:lidvid_reference>{0,1}</pds:lidvid_reference> <pds:reference_type>{1,1}</pds:reference_type> <pds:comment>{0,1}</pds:comment> </pds:Internal_Reference></pre>	
Source	<pre><xs:element name="Internal_Reference" type="pds:Internal_Reference" minOccurs="1" maxOccurs="unbounded"> </xs:element></pre>	

Element pds:Context_Area / pds:Observing_System

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram	<p>The Observing System class describes the entire suite used to collect the data.</p>	
Type	pds:Observing_System	
Properties	content:	complex
	minOccurs:	0
	maxOccurs:	unbounded
Model	pds:name{0,1} , pds:description{0,1} , pds:Observing_System_Component+	
Children	pds:Observing_System_Component, pds:description, pds:name	
Instance	<pre><pds:Observing_System xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:description>{0,1}</pds:description> <pds:Observing_System_Component>{1,unbounded}</pds:Observing_System_Component> </pds:Observing_System></pre>	

Source	<code><xs:element name="Observing_System" type="pds:Observing_System" minOccurs="0" maxOccurs="unbounded"> </xs:element></code>
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Element pds:Observing_System / pds:name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:UTF8_Short_String_Collapsed • pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<code><xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Observing_System / pds:description

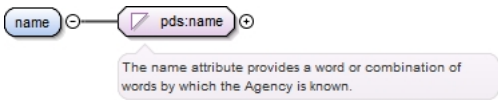
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<code><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Observing_System / pds:Observing_System_Component

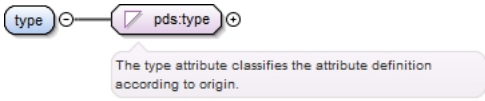
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	

Type	pds:Observing_System_Component
Properties	content: complex
	minOccurs: 1
	maxOccurs: unbounded
Model	pds:name , pds:type , pds:description{0,1} , pds:Internal_Reference{0,1} , pds:External_Reference*
Children	pds:External_Reference, pds:Internal_Reference, pds:description, pds:name, pds:type
Instance	<pre><pds:Observing_System_Component xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{1,1}</pds:name> <pds:type>{1,1}</pds:type> <pds:description>{0,1}</pds:description> <pds:Internal_Reference>{0,1}</pds:Internal_Reference> <pds:External_Reference>{0,unbounded}</pds:External_Reference> </pds:Observing_System_Component></pre>
Source	<pre><xs:element name="Observing_System_Component" type="pds:Observing_System_Component" minOccurs="1" maxOccurs="unbounded"> </xs:element></pre>

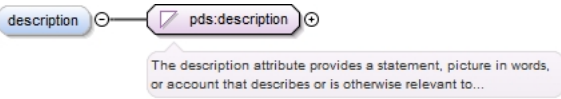
Element pds:Observing_System_Component / pds:name

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:name
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:UTF8_Short_String_Collapsed pds:name
Properties	content: simple
	minOccurs: 1
	maxOccurs: 1
Facets	minLength 1
	maxLength 255
Source	<pre><xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"> </xs:element></pre>

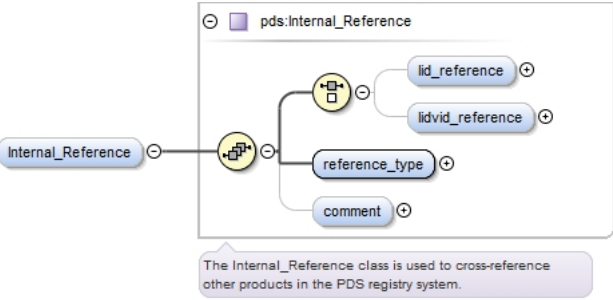
Element pds:Observing_System_Component / pds:type

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:type
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:type
Properties	content: simple
	minOccurs: 1
	maxOccurs: 1
Facets	minLength 1
	maxLength 255
	pattern \p{IsBasicLatin}*
Source	<pre><xs:element name="type" type="pds:type" minOccurs="1" maxOccurs="1"> </xs:element></pre>

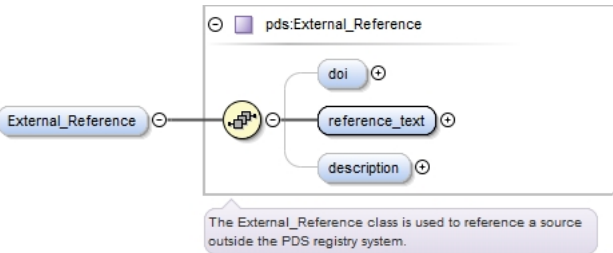
Element pds:Observing_System_Component / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<pre><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Observing_System_Component / pds:Internal_Reference

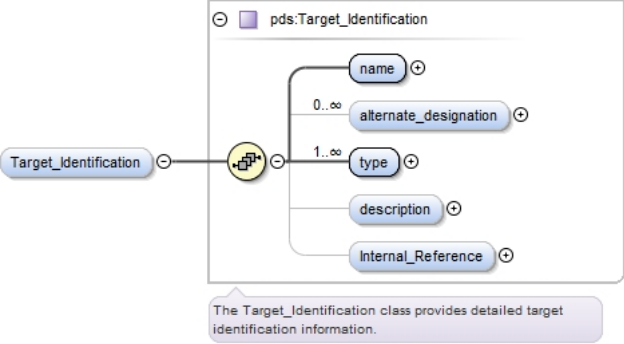
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Internal_Reference						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	(pds:lid_reference{0,1} pds:lidvid_reference{0,1}), pds:reference_type, pds:comment{0,1}						
Children	pds:comment, pds:lid_reference, pds:lidvid_reference, pds:reference_type						
Instance	<pre><pds:Internal_Reference xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:lid_reference>{0,1}</pds:lid_reference> <pds:lidvid_reference>{0,1}</pds:lidvid_reference> <pds:reference_type>{1,1}</pds:reference_type> <pds:comment>{0,1}</pds:comment> </pds:Internal_Reference></pre>						
Source	<pre><xs:element name="Internal_Reference" type="pds:Internal_Reference" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Observing_System_Component / pds:External_Reference

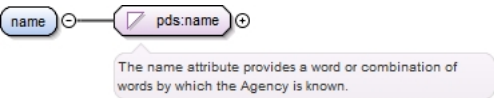
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	

Type	pds:External_Reference
Properties	content: complex
	minOccurs: 0
	maxOccurs: unbounded
Model	pds:doi{0,1} , pds:reference_text , pds:description{0,1}
Children	pds:description, pds:doi, pds:reference_text
Instance	<pre><pds:External_Reference xmlns:pds="http://pds.nasa.gov/pds4/pds/v1" > <pds:doi>{0,1}</pds:doi> <pds:reference_text>{1,1}</pds:reference_text> <pds:description>{0,1}</pds:description> </pds:External_Reference></pre>
Source	<pre><xs:element name="External_Reference" type="pds:External_Reference" minOccurs="0" maxOccurs="unbounded"> </xs:element></pre>

Element pds:Context_Area / pds:Target_Identification

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Target_Identification
Properties	content: complex
	minOccurs: 0
	maxOccurs: unbounded
Model	pds:name , pds:alternate_designation* , pds:type+ , pds:description{0,1} , pds:Internal_Reference{0,1}
Children	pds:Internal_Reference, pds:alternate_designation, pds:description, pds:name, pds:type
Instance	<pre><pds:Target_Identification xmlns:pds="http://pds.nasa.gov/pds4/pds/v1" > <pds:name>{1,1}</pds:name> <pds:alternate_designation>{0,unbounded}</pds:alternate_designation> <pds:type>{1,unbounded}</pds:type> <pds:description>{0,1}</pds:description> <pds:Internal_Reference>{0,1}</pds:Internal_Reference> </pds:Target_Identification></pre>
Source	<pre><xs:element name="Target_Identification" type="pds:Target_Identification" minOccurs="0" maxOccurs="unbounded"> </xs:element></pre>

Element pds:Target_Identification / pds:name

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:name
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:UTF8_Short_String_Collapsed • pds:name
Properties	content: simple

	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
Source	<code><xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"> </xs:element></code>	

Element pds:Target_Identification / pds:alternate_designation

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram	<p>The alternate_designation attribute provides aliases.</p>	
Type	pds:alternate_designation	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:alternate_designation 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	unbounded
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="alternate_designation" type="pds:alternate_designation" minOccurs="0" maxOccurs="unbounded"> </xs:element></code>	

Element pds:Target_Identification / pds:type

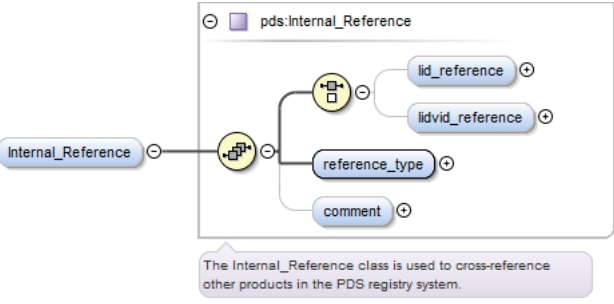
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram	<p>The type attribute classifies the attribute definition according to origin.</p>	
Type	pds:type	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:type 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	unbounded
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="type" type="pds:type" minOccurs="1" maxOccurs="unbounded"> </xs:element></code>	

Element pds:Target_Identification / pds:description

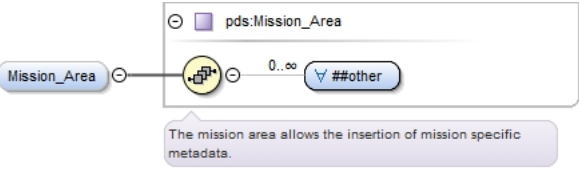
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram	<p>The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to...</p>	

Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:UTF8_Text_Preserved pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<code><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"></xs:element></code>						

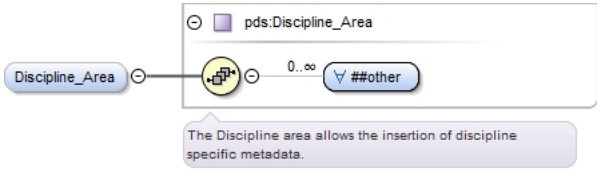
Element pds:Target_Identification / pds:Internal_Reference

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Internal_Reference						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	(pds:lid_reference{0,1} pds:lidvid_reference{0,1}) , pds:reference_type , pds:comment{0,1}						
Children	pds:comment, pds:lid_reference, pds:lidvid_reference, pds:reference_type						
Instance	<code><pds:Internal_Reference xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:lid_reference>{0,1}</pds:lid_reference> <pds:lidvid_reference>{0,1}</pds:lidvid_reference> <pds:reference_type>{1,1}</pds:reference_type> <pds:comment>{0,1}</pds:comment> </pds:Internal_Reference></code>						
Source	<code><xs:element name="Internal_Reference" type="pds:Internal_Reference" minOccurs="0" maxOccurs="1"></xs:element></code>						

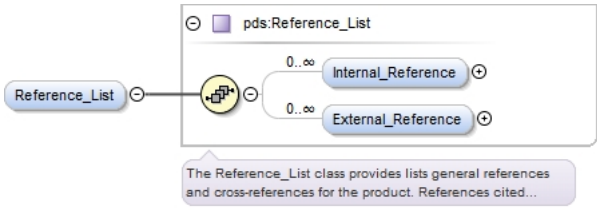
Element pds:Context_Area / pds:Mission_Area

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Mission_Area						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	ANY element from ANY namespace OTHER than 'http://pds.nasa.gov/pds4/pds/v1'						
Source	<code><xs:element name="Mission_Area" type="pds:Mission_Area" minOccurs="0" maxOccurs="1"></xs:element></code>						

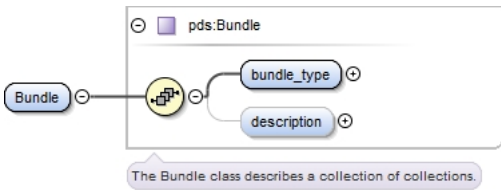
Element pds:Context_Area / pds:Discipline_Area

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Discipline_Area						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	ANY element from ANY namespace OTHER than 'http://pds.nasa.gov/pds4/pds/v1'						
Source	<code><xs:element name="Discipline_Area" type="pds:Discipline_Area" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Product_Bundle / pds:Reference_List

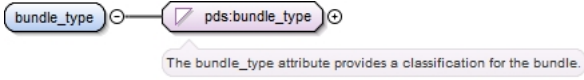
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Reference_List						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:Internal_Reference*, pds:External_Reference*						
Children	pds:External_Reference, pds:Internal_Reference						
Instance	<code><pds:Reference_List xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Internal_Reference>{0, unbounded}</pds:Internal_Reference> <pds:External_Reference>{0, unbounded}</pds:External_Reference> </pds:Reference_List></code>						
Source	<code><xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Product_Bundle / pds:Bundle

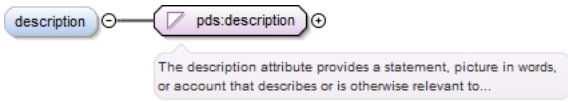
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Bundle						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:bundle_type, pds:description{0,1}						

Children	pds:bundle_type, pds:description
Instance	<pre><pds:Bundle xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:bundle_type>{1,1}</pds:bundle_type> <pds:description>{0,1}</pds:description> </pds:Bundle></pre>
Source	<pre><xs:element name="Bundle" type="pds:Bundle" minOccurs="1" maxOccurs="1"> </xs:element></pre>

Element pds:Bundle / pds:bundle_type

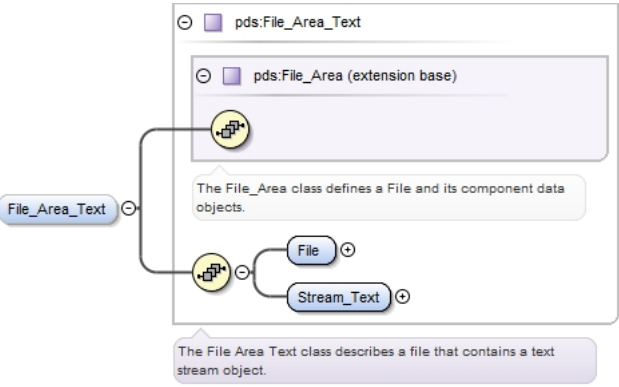
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:bundle_type						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:bundle_type 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="bundle_type" type="pds:bundle_type" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Bundle / pds:description

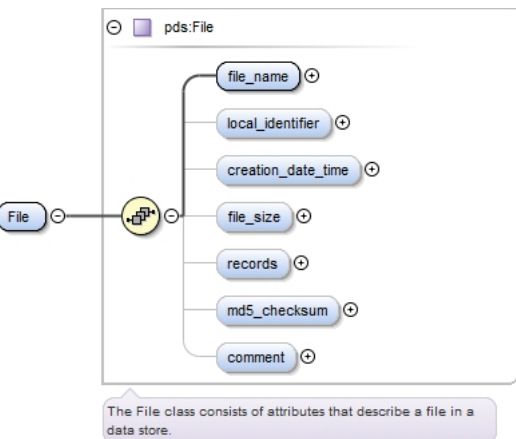
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:UTF8_Text_Preserved pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<pre><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_Bundle / pds:File_Area_Text

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:File_Area_Text						
Type hierarchy	<ul style="list-style-type: none"> • pds:File_Area • pds:File_Area_Text 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:File , pds:Stream_Text						
Children	pds:File, pds:Stream_Text						
Instance	<pre><pds:File_Area_Text xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:File>{1,1}</pds:File> <pds:Stream_Text>{1,1}</pds:Stream_Text> </pds:File_Area_Text></pre>						
Source	<pre><xs:element name="File_Area_Text" type="pds:File_Area_Text" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:File_Area_Text / pds:File

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:File						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:file_name , pds:local_identifier{0,1} , pds:creation_date_time{0,1} , pds:file_size{0,1} , pds:records{0,1} , pds:md5_checksum{0,1} , pds:comment{0,1}						
Children	pds:comment, pds:creation_date_time, pds:file_name, pds:file_size, pds:local_identifier, pds:md5_checksum, pds:records						
Instance	<pre><pds:File xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:file_name>{1,1}</pds:file_name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:creation_date_time>{0,1}</pds:creation_date_time> <pds:file_size unit="">{0,1}</pds:file_size></pre>						

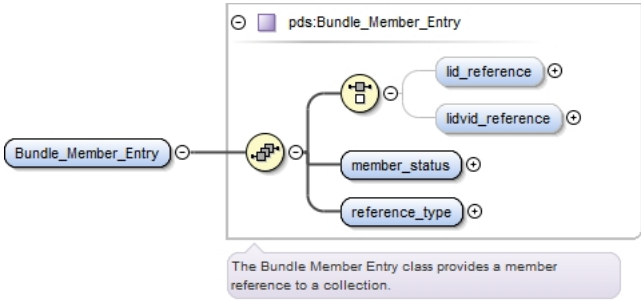
	<pre><pds:records>{0,1}</pds:records> <pds:md5_checksum>{0,1}</pds:md5_checksum> <pds:comment>{0,1}</pds:comment> </pds:File></pre>
Source	<pre><xs:element name="File" type="pds:File" minOccurs="1" maxOccurs="1"> </xs:element></pre>

Element pds:File_Area_Text / pds:Stream_Text

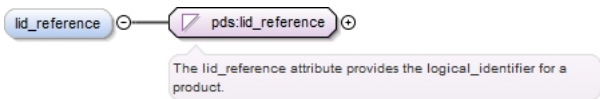
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Stream_Text						
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Parsable_Byte_Stream • pds:Stream_Text 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:parsing_standard_id , pds:description{0,1} , pds:record_delimiter						
Children	pds:description, pds:local_identifier, pds:name, pds:object_length, pds:offset, pds:parsing_standard_id, pds:record_delimiter						
Instance	<pre><pds:Stream_Text xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:object_length unit="">{0,1}</pds:object_length> <pds:parsing_standard_id>{1,1}</pds:parsing_standard_id> <pds:description>{0,1}</pds:description> <pds:record_delimiter>{1,1}</pds:record_delimiter> </pds:Stream_Text></pre>						
Source	<pre><xs:element name="Stream_Text" type="pds:Stream_Text" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_Bundle / pds:Bundle_Member_Entry

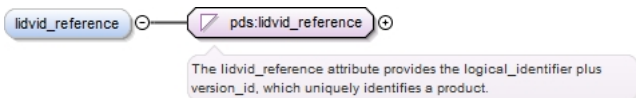
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:Bundle_Member_Entry						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	(pds:lid_reference{0,1} pds:lidvid_reference{0,1}), pds:member_status, pds:reference_type						
Children	pds:lid_reference, pds:lidvid_reference, pds:member_status, pds:reference_type						
Instance	<pre><pds:Bundle_Member_Entry xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:lid_reference>{0,1}</pds:lid_reference> <pds:lidvid_reference>{0,1}</pds:lidvid_reference> <pds:member_status>{1,1}</pds:member_status> <pds:reference_type>{1,1}</pds:reference_type> </pds:Bundle_Member_Entry></pre>						
Source	<pre><xs:element name="Bundle_Member_Entry" type="pds:Bundle_Member_Entry" minOccurs="1" maxOccurs="unbounded"> </xs:element></pre>						

Element pds:Bundle_Member_Entry / pds:lid_reference

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:lid_reference						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_LID <ul style="list-style-type: none"> pds:lid_reference 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>14</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	14	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	14						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="lid_reference" type="pds:lid_reference" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Bundle_Member_Entry / pds:lidvid_reference

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:lidvid_reference
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_LIDVID

	<ul style="list-style-type: none"> • pds:lidvid_reference 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>19</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	19	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	19						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="lidvid_reference" type="pds:lidvid_reference" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Bundle_Member_Entry / pds:member_status

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:member_status						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:member_status 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="member_status" type="pds:member_status" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Bundle_Member_Entry / pds:reference_type

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:reference_type						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:reference_type 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="reference_type" type="pds:reference_type" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Product_Class_Definition

Namespace	http://pds.nasa.gov/pds4/pds/v1
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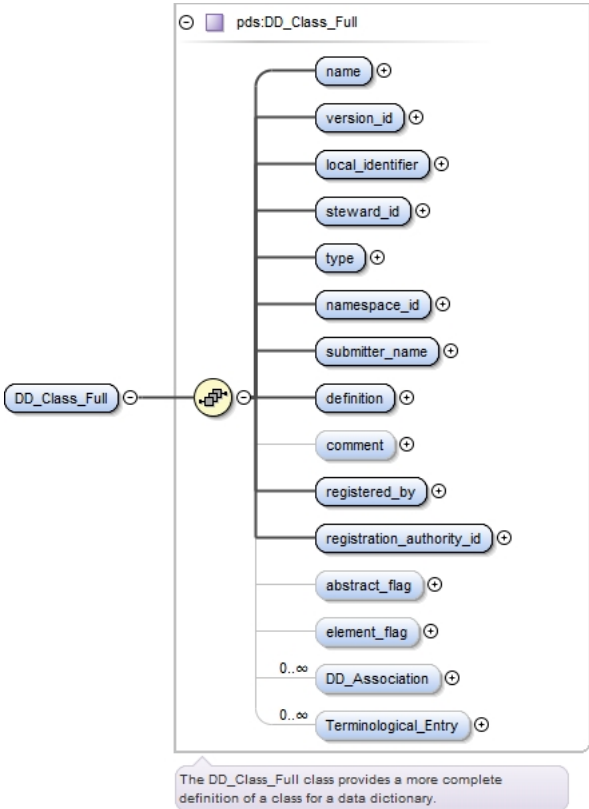
Diagram	
Type	pds:Product_Class_Definition
Type hierarchy	<ul style="list-style-type: none"> • pds:Product • pds:Product_Class_Definition
Properties	content: complex
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:DD_Class_Full
Children	pds:DD_Class_Full, pds:Identification_Area, pds:Reference_List
Instance	<pre><pds:Product_Class_Definition xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Identification_Area>{1,1}</pds:Identification_Area> <pds:Reference_List>{0,1}</pds:Reference_List> <pds:DD_Class_Full>{1,1}</pds:DD_Class_Full> </pds:Product_Class_Definition></pre>
Source	<pre><xs:element name="Product_Class_Definition" type="pds:Product_Class_Definition"> </xs:element></pre>

Element pds:Product_Class_Definition / pds:Reference_List

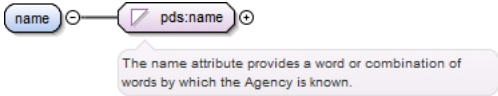
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Reference_List						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:Internal_Reference* , pds:External_Reference*						
Children	pds:External_Reference, pds:Internal_Reference						
Instance	<pre><pds:Reference_List xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Internal_Reference>{0,unbounded}</pds:Internal_Reference> <pds:External_Reference>{0,unbounded}</pds:External_Reference> </pds:Reference_List></pre>						
Source	<pre><xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_Class_Definition / pds:DD_Class_Full

Namespace	http://pds.nasa.gov/pds4/pds/v1
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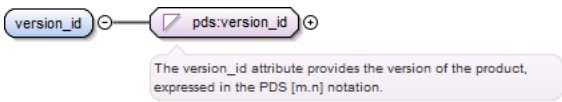
Diagram							
Type	pds:DD_Class_Full						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:name , pds:version_id , pds:local_identifier , pds:steward_id , pds:type , pds:namespace_id , pds:submitter_name , pds:definition , pds:comment{0,1} , pds:registered_by , pds:registration_authority_id , pds:abstract_flag{0,1} , pds:element_flag{0,1} , pds:DD_Association* , pds:Terminological_Entry*						
Children	pds:DD_Association, pds:Terminological_Entry, pds:abstract_flag, pds:comment, pds:definition, pds:element_flag, pds:local_identifier, pds:name, pds:namespace_id, pds:registered_by, pds:registration_authority_id, pds:steward_id, pds:submitter_name, pds:type, pds:version_id						
Instance	<pre><pds:DD_Class_Full xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{1,1}</pds:name> <pds:version_id>{1,1}</pds:version_id> <pds:local_identifier>{1,1}</pds:local_identifier> <pds:steward_id>{1,1}</pds:steward_id> <pds:type>{1,1}</pds:type> <pds:namespace_id>{1,1}</pds:namespace_id> <pds:submitter_name>{1,1}</pds:submitter_name> <pds:definition>{1,1}</pds:definition> <pds:comment>{0,1}</pds:comment> <pds:registered_by>{1,1}</pds:registered_by> <pds:registration_authority_id>{1,1}</pds:registration_authority_id> <pds:abstract_flag>{0,1}</pds:abstract_flag> <pds:element_flag>{0,1}</pds:element_flag> <pds:DD_Association>{0,unbounded}</pds:DD_Association> <pds:Terminological_Entry>{0,unbounded}</pds:Terminological_Entry> </pds:DD_Class_Full></pre>						
Source	<pre><xs:element name="DD_Class_Full" type="pds:DD_Class_Full" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:DD_Class_Full / pds:name

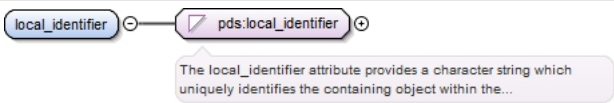
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	

Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:UTF8_Short_String_Collapsed • pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<code><xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:DD_Class_Full / pds:version_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:version_id						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:version_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>(\p{IsBasicLatin}*) & (([0-9]+)(\.)?{1}([0-9]+))</td> </tr> </table>	minLength	1	maxLength	255	pattern	(\p{IsBasicLatin}*) & (([0-9]+)(\.)?{1}([0-9]+))
minLength	1						
maxLength	255						
pattern	(\p{IsBasicLatin}*) & (([0-9]+)(\.)?{1}([0-9]+))						
Source	<code><xs:element name="version_id" type="pds:version_id" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:DD_Class_Full / pds:local_identifier

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:local_identifier						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:local_identifier 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						

Source	<pre><xs:element name="local_identifier" type="pds:local_identifier" minOccurs="1" maxOccurs="1"> </xs:element></pre>
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Element pds:DD_Class_Full / pds:steward_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The diagram shows a blue oval labeled 'steward_id' connected by a line to a purple box labeled 'pds:steward_id'. A callout box points to the purple box with the text: "The steward attribute indicates the person or organization that manages a set of registered attributes and classes."</p>						
Type	pds:steward_id						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:steward_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="steward_id" type="pds:steward_id" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:DD_Class_Full / pds:type

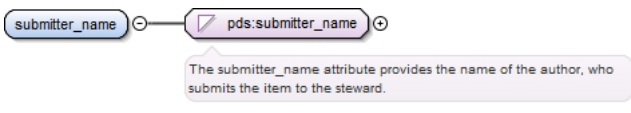
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The diagram shows a blue oval labeled 'type' connected by a line to a purple box labeled 'pds:type'. A callout box points to the purple box with the text: "The type attribute classifies the attribute definition according to origin."</p>						
Type	pds:type						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:type 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="type" type="pds:type" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:DD_Class_Full / pds:namespace_id

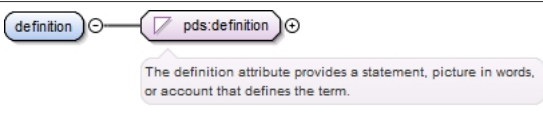
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	<p>The diagram shows a blue oval labeled 'namespace_id' connected by a line to a purple box labeled 'pds:namespace_id'. A callout box points to the purple box with the text: "The namespace_id attribute provides the abbreviation of the XML schema namespace container for this logical grouping of..."</p>
Type	pds:namespace_id
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed

	<ul style="list-style-type: none"> • pds:namespace_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="namespace_id" type="pds:namespace_id" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:DD_Class_Full / pds:submitter_name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:submitter_name						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:submitter_name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="submitter_name" type="pds:submitter_name" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:DD_Class_Full / pds:definition

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:definition						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:definition 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<code><xs:element name="definition" type="pds:definition" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:DD_Class_Full / pds:comment

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram	<p>The diagram shows a blue box labeled 'comment' connected by a line to a purple box labeled 'pds:comment'. A callout bubble points to 'pds:comment' with the text: "The comment attribute is a character string expressing one or more remarks or thoughts relevant to the object."</p>						
Type	pds:comment						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:comment 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*		
minLength	1						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="comment" type="pds:comment" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:DD_Class_Full / pds:registered_by

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The diagram shows a blue box labeled 'registered_by' connected by a line to a purple box labeled 'pds:registered_by'. A callout bubble points to 'pds:registered_by' with the text: "The registered_by attribute provides the name of the person or organization that registered the object."</p>						
Type	pds:registered_by						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:registered_by 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="registered_by" type="pds:registered_by" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:DD_Class_Full / pds:registration_authority_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The diagram shows a blue box labeled 'registration_authority_id' connected by a line to a purple box labeled 'pds:registration_authority_id'. A callout bubble points to 'pds:registration_authority_id' with the text: "The registration_authority_id attribute provides the name of the organization that registered the object."</p>						
Type	pds:registration_authority_id						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:registration_authority_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						

	pattern	\p{IsBasicLatin}*
Source	<pre><xs:element name="registration_authority_id" type="pds:registration_authority_id" minOccurs="1" maxOccurs="1"> </xs:element></pre>	

Element pds:DD_Class_Full / pds:abstract_flag

Namespace	http://pds.nasa.gov/pds4/pds/v1							
Diagram								
Type	pds:abstract_flag							
Type hierarchy	<ul style="list-style-type: none"> • xs:boolean • pds:ASCII_Boolean • pds:abstract_flag 							
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>		content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple							
minOccurs:	0							
maxOccurs:	1							
Source	<pre><xs:element name="abstract_flag" type="pds:abstract_flag" minOccurs="0" maxOccurs="1"> </xs:element></pre>							

Element pds:DD_Class_Full / pds:element_flag

Namespace	http://pds.nasa.gov/pds4/pds/v1							
Diagram								
Type	pds:element_flag							
Type hierarchy	<ul style="list-style-type: none"> • xs:boolean • pds:ASCII_Boolean • pds:element_flag 							
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>		content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple							
minOccurs:	0							
maxOccurs:	1							
Source	<pre><xs:element name="element_flag" type="pds:element_flag" minOccurs="0" maxOccurs="1"> </xs:element></pre>							

Element pds:DD_Class_Full / pds:DD_Association

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		

Type	pds:DD_Association
Properties	content: complex
	minOccurs: 0
	maxOccurs: unbounded
Model	pds:local_identifier+, pds:reference_type , pds:minimum_occurrences , pds:maximum_occurrences , pds:constant_value{0,1} , pds:DD_Attribute_Reference{0,1} , pds:DD_Class_Reference{0,1}
Children	pds:DD_Attribute_Reference, pds:DD_Class_Reference, pds:constant_value, pds:local_identifier, pds:maximum_occurrences, pds:minimum_occurrences, pds:reference_type
Instance	<pre><pds:DD_Association xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:local_identifier>{1,unbounded}</pds:local_identifier> <pds:reference_type>{1,1}</pds:reference_type> <pds:minimum_occurrences>{1,1}</pds:minimum_occurrences> <pds:maximum_occurrences>{1,1}</pds:maximum_occurrences> <pds:constant_value>{0,1}</pds:constant_value> <pds:DD_Attribute_Reference>{0,1}</pds:DD_Attribute_Reference> <pds:DD_Class_Reference>{0,1}</pds:DD_Class_Reference> </pds:DD_Association></pre>
Source	<pre><xs:element name="DD_Association" type="pds:DD_Association" minOccurs="0" maxOccurs="unbounded"> </xs:element></pre>

Element pds:DD_Class_Full / pds:Terminological_Entry

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Terminological_Entry
Properties	content: complex
	minOccurs: 0
	maxOccurs: unbounded
Model	pds:name , pds:definition , pds:language , pds:preferred_flag , pds:instance_id{0,1} , pds:External_Reference_Extended*
Children	pds:External_Reference_Extended, pds:definition, pds:instance_id, pds:language, pds:name, pds:preferred_flag
Instance	<pre><pds:Terminological_Entry xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{1,1}</pds:name> <pds:definition>{1,1}</pds:definition> <pds:language>{1,1}</pds:language> <pds:preferred_flag>{1,1}</pds:preferred_flag> <pds:instance_id>{0,1}</pds:instance_id> <pds:External_Reference_Extended>{0,unbounded}</pds:External_Reference_Extended> </pds:Terminological_Entry></pre>
Source	<pre><xs:element name="Terminological_Entry" type="pds:Terminological_Entry" minOccurs="0" maxOccurs="unbounded"> </xs:element></pre>

Element pds:Product_Collection

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram	
Type	pds:Product_Collection
Type hierarchy	<ul style="list-style-type: none"> • pds:Product • pds:Product_Collection
Properties	content: complex
Model	pds:Identification_Area , pds:Context_Area{0,1} , pds:Reference_List{0,1} , pds:Collection , pds:File_Area_Inventory
Children	pds:Collection, pds:Context_Area, pds:File_Area_Inventory, pds:Identification_Area, pds:Reference_List
Instance	<pre><pds:Product_Collection xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Identification_Area>{1,1}</pds:Identification_Area> <pds:Context_Area>{0,1}</pds:Context_Area> <pds:Reference_List>{0,1}</pds:Reference_List> <pds:Collection>{1,1}</pds:Collection> <pds:File_Area_Inventory>{1,1}</pds:File_Area_Inventory> </pds:Product_Collection></pre>
Source	<pre><xs:element name="Product_Collection" type="pds:Product_Collection"> </xs:element></pre>

Element pds:Product_Collection / pds:Context_Area

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Context_Area						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:comment{0,1} , pds:Time_Coordinates{0,1} , pds:Primary_Result_Summary{0,1} , pds:Investigation_Area* , pds:Observing_System* , pds:Target_Identification* , pds:Mission_Area{0,1} , pds:Discipline_Area{0,1}						
Children	pds:Discipline_Area, pds:Investigation_Area, pds:Mission_Area, pds:Observing_System, pds:Primary_Result_Summary, pds:Target_Identification, pds:Time_Coordinates, pds:comment						

Instance	<pre><pds:Context_Area xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:comment>{0,1}</pds:comment> <pds:Time_Coordinates>{0,1}</pds:Time_Coordinates> <pds:Primary_Result_Summary>{0,1}</pds:Primary_Result_Summary> <pds:Investigation_Area>{0,unbounded}</pds:Investigation_Area> <pds:Observing_System>{0,unbounded}</pds:Observing_System> <pds:Target_Identification>{0,unbounded}</pds:Target_Identification> <pds:Mission_Area>{0,1}</pds:Mission_Area> <pds:Discipline_Area>{0,1}</pds:Discipline_Area> </pds:Context_Area></pre>
Source	<pre><xs:element name="Context_Area" type="pds:Context_Area" minOccurs="0" maxOccurs="1"> </xs:element></pre>

Element pds:Product_Collection / pds:Reference_List

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Reference_List						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:Internal_Reference* , pds:External_Reference*						
Children	pds:External_Reference, pds:Internal_Reference						
Instance	<pre><pds:Reference_List xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Internal_Reference>{0,unbounded}</pds:Internal_Reference> <pds:External_Reference>{0,unbounded}</pds:External_Reference> </pds:Reference_List></pre>						
Source	<pre><xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_Collection / pds:Collection

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Collection						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:collection_type , pds:description{0,1}						
Children	pds:collection_type, pds:description						
Instance	<pre><pds:Collection xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:collection_type>{1,1}</pds:collection_type> <pds:description>{0,1}</pds:description> </pds:Collection></pre>						
Source	<pre><xs:element name="Collection" type="pds:Collection" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Collection / pds:collection_type

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram	<p>The diagram shows a blue box labeled 'collection_type' connected by a line to a purple box labeled 'pds:collection_type'. A callout bubble points to the purple box with the text: "The collection_type attribute provides a classification for the collection."</p>						
Type	pds:collection_type						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:collection_type 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="collection_type" type="pds:collection_type" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Collection / pds:description

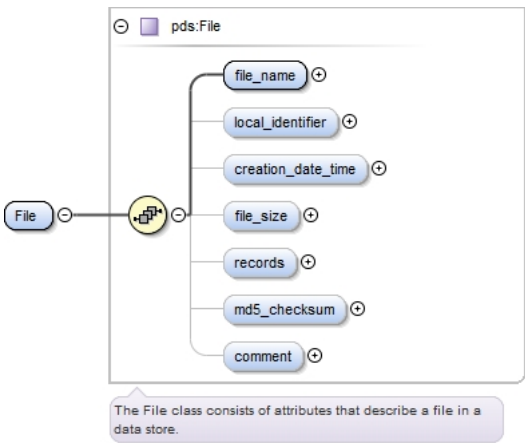
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The diagram shows a blue box labeled 'description' connected by a line to a purple box labeled 'pds:description'. A callout bubble points to the purple box with the text: "The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to..."</p>						
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<pre><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_Collection / pds:File_Area_Inventory

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	<p>The diagram illustrates the structure of the pds:File_Area_Inventory class. It shows a purple box for 'pds:File_Area_Inventory' containing a sub-box for 'pds:File_Area (extension base)'. The 'pds:File_Area' box contains a 'File' box and an 'Inventory' box. A callout bubble points to the 'pds:File_Area' box with the text: "The File_Area class defines a File and its component data objects." Another callout bubble points to the 'pds:File_Area_Inventory' box with the text: "The File Area Inventory class describes a file and an inventory consisting of references to members."</p>
Type	pds:File_Area_Inventory
Type hierarchy	<ul style="list-style-type: none"> • pds:File_Area

	<ul style="list-style-type: none"> • pds:File_Area_Inventory 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:File , pds:Inventory						
Children	pds:File, pds:Inventory						
Instance	<pre><pds:File_Area_Inventory xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:File>{1,1}</pds:File> <pds:Inventory>{1,1}</pds:Inventory> </pds:File_Area_Inventory></pre>						
Source	<pre><xs:element name="File_Area_Inventory" type="pds:File_Area_Inventory" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

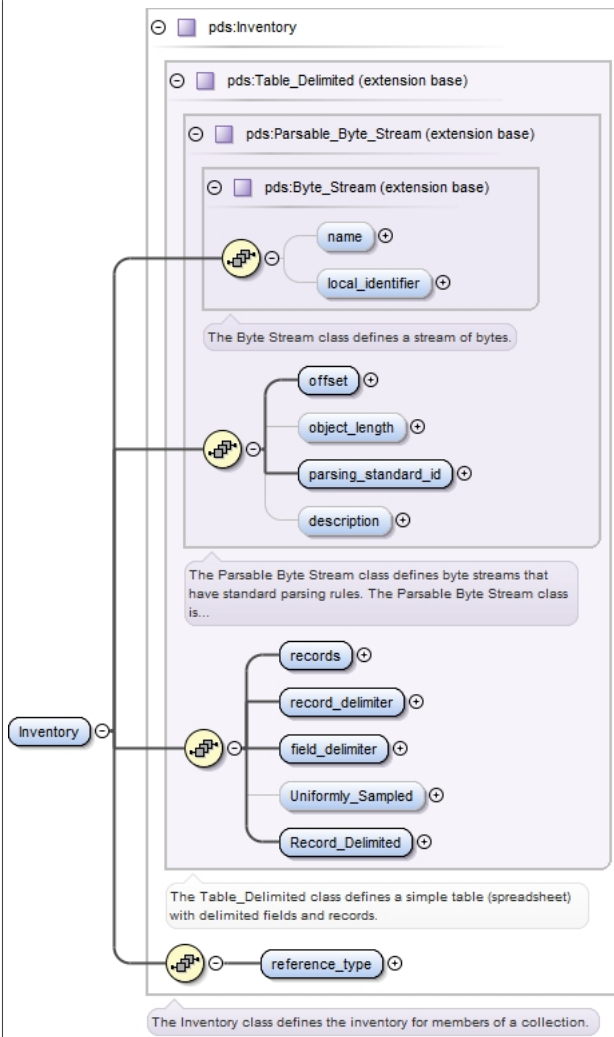
Element pds:File_Area_Inventory / pds:File

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:File						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:file_name , pds:local_identifier{0,1} , pds:creation_date_time{0,1} , pds:file_size{0,1} , pds:records{0,1} , pds:md5_checksum{0,1} , pds:comment{0,1}						
Children	pds:comment, pds:creation_date_time, pds:file_name, pds:file_size, pds:local_identifier, pds:md5_checksum, pds:records						
Instance	<pre><pds:File xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:file_name>{1,1}</pds:file_name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:creation_date_time>{0,1}</pds:creation_date_time> <pds:file_size unit="">{0,1}</pds:file_size> <pds:records>{0,1}</pds:records> <pds:md5_checksum>{0,1}</pds:md5_checksum> <pds:comment>{0,1}</pds:comment> </pds:File></pre>						
Source	<pre><xs:element name="File" type="pds:File" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:File_Area_Inventory / pds:Inventory

Namespace	http://pds.nasa.gov/pds4/pds/v1
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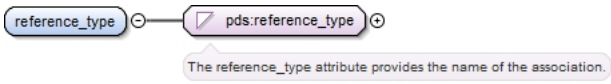
Diagram



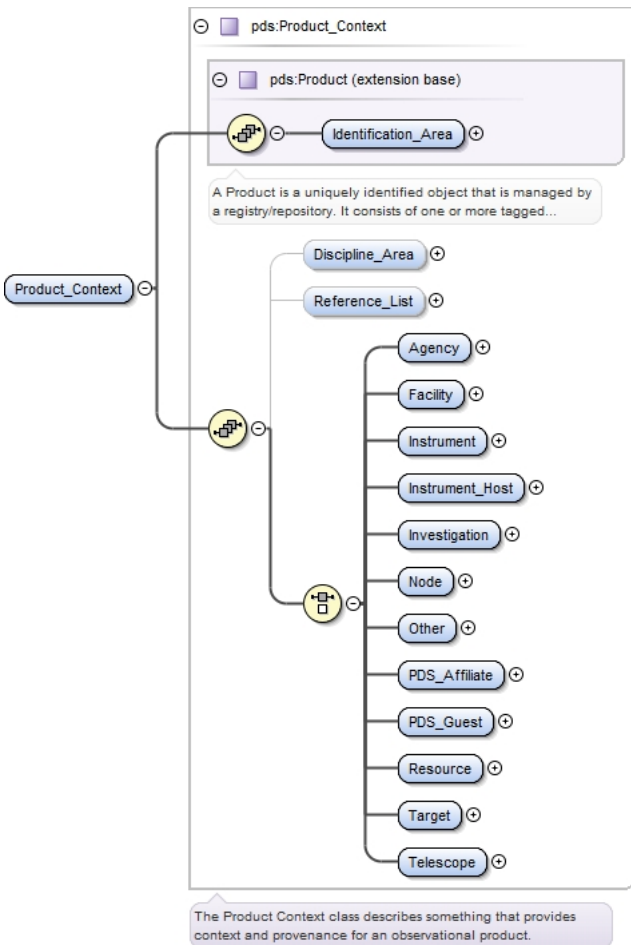
Type	pds:Inventory						
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Parsable_Byte_Stream • pds:Table_Delimited • pds:Inventory 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:parsing_standard_id , pds:description{0,1} , pds:records , pds:record_delimiter , pds:field_delimiter , pds:Uniformly_Sampled{0,1} , pds:Record_Delimited , pds:reference_type						
Children	pds:Record_Delimited, pds:Uniformly_Sampled, pds:description, pds:field_delimiter, pds:local_identifier, pds:name, pds:object_length, pds:offset, pds:parsing_standard_id, pds:record_delimiter, pds:records, pds:reference_type						
Instance	<pre><pds:Inventory xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:object_length unit="">{0,1}</pds:object_length> <pds:parsing_standard_id>{1,1}</pds:parsing_standard_id> <pds:description>{0,1}</pds:description> <pds:records>{1,1}</pds:records> <pds:record_delimiter>{1,1}</pds:record_delimiter> <pds:field_delimiter>{1,1}</pds:field_delimiter> <pds:Uniformly_Sampled>{0,1}</pds:Uniformly_Sampled> <pds:Record_Delimited>{1,1}</pds:Record_Delimited> <pds:reference_type>{1,1}</pds:reference_type></pre>						

	<code></pds:Inventory></code>
Source	<code><xs:element name="Inventory" type="pds:Inventory" minOccurs="1" maxOccurs="1"> </xs:element></code>

Element pds:Inventory / pds:reference_type

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:reference_type						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:reference_type 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="reference_type" type="pds:reference_type" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Product_Context

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	

Type	pds:Product_Context
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_Context
Properties	content: complex
Model	pds:Identification_Area , pds:Discipline_Area{0,1} , pds:Reference_List{0,1} , (pds:Agency pds:Facility pds:Instrument pds:Instrument_Host pds:Investigation pds:Node pds:Other pds:PDS_Affiliate pds:PDS_Guest pds:Resource pds:Target pds:Telescope)
Children	pds:Agency, pds:Discipline_Area, pds:Facility, pds:Identification_Area, pds:Instrument, pds:Instrument_Host, pds:Investigation, pds:Node, pds:Other, pds:PDS_Affiliate, pds:PDS_Guest, pds:Reference_List, pds:Resource, pds:Target, pds:Telescope
Instance	<pre><pds:Product_Context xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Identification_Area>{1,1}</pds:Identification_Area> <pds:Discipline_Area>{0,1}</pds:Discipline_Area> <pds:Reference_List>{0,1}</pds:Reference_List> <pds:Agency>{1,1}</pds:Agency> <pds:Facility>{1,1}</pds:Facility> <pds:Instrument>{1,1}</pds:Instrument> <pds:Instrument_Host>{1,1}</pds:Instrument_Host> <pds:Investigation>{1,1}</pds:Investigation> <pds:Node>{1,1}</pds:Node> <pds:Other>{1,1}</pds:Other> <pds:PDS_Affiliate>{1,1}</pds:PDS_Affiliate> <pds:PDS_Guest>{1,1}</pds:PDS_Guest> <pds:Resource>{1,1}</pds:Resource> <pds:Target>{1,1}</pds:Target> <pds:Telescope>{1,1}</pds:Telescope> </pds:Product_Context></pre>
Source	<pre><xs:element name="Product_Context" type="pds:Product_Context"> </xs:element></pre>

Element pds:Product_Context / pds:Discipline_Area

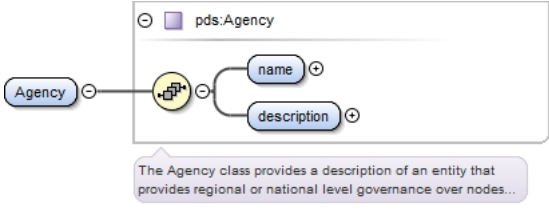
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The Discipline area allows the insertion of discipline specific metadata.</p>						
Type	pds:Discipline_Area						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	ANY element from ANY namespace OTHER than 'http://pds.nasa.gov/pds4/pds/v1'						
Source	<pre><xs:element name="Discipline_Area" type="pds:Discipline_Area" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_Context / pds:Reference_List

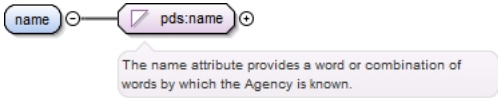
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The Reference_List class provides lists general references and cross-references for the product. References cited...</p>						
Type	pds:Reference_List						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:Internal_Reference* , pds:External_Reference*						

Children	pds:External_Reference, pds:Internal_Reference
Instance	<pre><pds:Reference_List xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Internal_Reference>{0,unbounded}</pds:Internal_Reference> <pds:External_Reference>{0,unbounded}</pds:External_Reference> </pds:Reference_List></pre>
Source	<pre><xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element></pre>

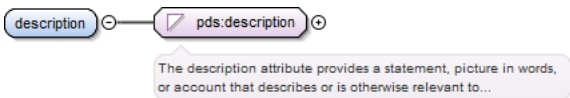
Element pds:Product_Context / pds:Agency

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Agency
Properties	content: complex
Model	pds:name , pds:description
Children	pds:description, pds:name
Instance	<pre><pds:Agency xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{1,1}</pds:name> <pds:description>{1,1}</pds:description> </pds:Agency></pre>
Source	<pre><xs:element name="Agency" type="pds:Agency"> </xs:element></pre>

Element pds:Agency / pds:name

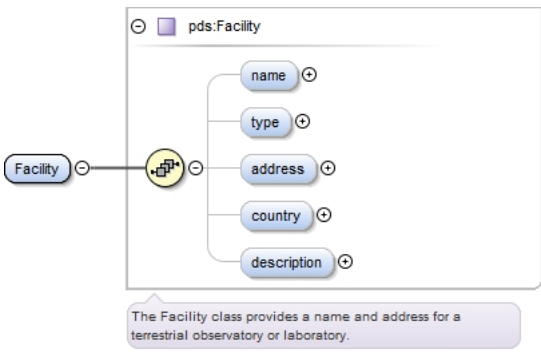
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:UTF8_Short_String_Collapsed • pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<pre><xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Agency / pds:description

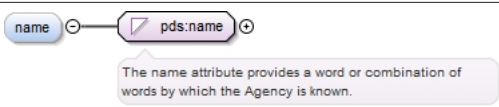
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:description
Type hierarchy	<ul style="list-style-type: none"> • xs:string

	<ul style="list-style-type: none"> • pds:UTF8_Text_Preserved • pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<pre><xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_Context / pds:Facility

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:Facility		
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> </table>	content:	complex
content:	complex		
Model	pds:name{0,1} , pds:type{0,1} , pds:address{0,1} , pds:country{0,1} , pds:description{0,1}		
Children	pds:address, pds:country, pds:description, pds:name, pds:type		
Instance	<pre><pds:Facility xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:type>{0,1}</pds:type> <pds:address>{0,1}</pds:address> <pds:country>{0,1}</pds:country> <pds:description>{0,1}</pds:description> </pds:Facility></pre>		
Source	<pre><xs:element name="Facility" type="pds:Facility"> </xs:element></pre>		

Element pds:Facility / pds:name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:UTF8_Short_String_Collapsed • pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<pre><xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"></pre>						

</xs:element>

Element pds:Facility / pds:type

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The diagram shows a blue box labeled 'type' connected by a line to a purple box labeled 'pds:type'. A callout bubble points to the 'pds:type' box with the text: "The type attribute classifies the attribute definition according to origin."</p>						
Type	pds:type						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:type 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<xs:element name="type" type="pds:type" minOccurs="0" maxOccurs="1"></xs:element>						

Element pds:Facility / pds:address

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The diagram shows a blue box labeled 'address' connected by a line to a purple box labeled 'pds:address'. A callout bubble points to the 'pds:address' box with the text: "The address attribute provides a mailing address."</p>						
Type	pds:address						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:address 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<xs:element name="address" type="pds:address" minOccurs="0" maxOccurs="1"></xs:element>						

Element pds:Facility / pds:country

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The diagram shows a blue box labeled 'country' connected by a line to a purple box labeled 'pds:country'. A callout bubble points to the 'pds:country' box with the text: "country"</p>						
Type	pds:country						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:country 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						

Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="country" type="pds:country" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>	

Element pds:Facility / pds:description

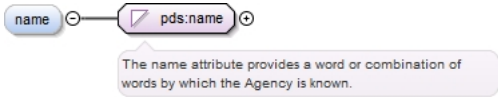
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram	<p>The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to...</p>	
Type	pds:description	
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:UTF8_Text_Preserved pds:description 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
Source	<code><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>	

Element pds:Product_Context / pds:Instrument

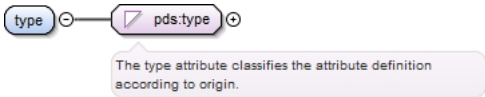
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram	<p>The Instrument class provides a description of a physical object that collects data.</p>	
Type	pds:Instrument	
Properties	content:	complex
Model	pds:name{0,1} , pds:type+ , pds:model_id{0,1} , pds:naif_instrument_id{0,1} , pds:serial_number{0,1} , pds:description	
Children	pds:description, pds:model_id, pds:naif_instrument_id, pds:name, pds:serial_number, pds:type	
Instance	<pre> <pds:Instrument xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:type>{1,unbounded}</pds:type> <pds:model_id>{0,1}</pds:model_id> <pds:naif_instrument_id>{0,1}</pds:naif_instrument_id> <pds:serial_number>{0,1}</pds:serial_number> <pds:description>{1,1}</pds:description> </pds:Instrument> </pre>	
Source	<code><xs:element name="Instrument" type="pds:Instrument"></code> <code></xs:element></code>	

Element pds:Instrument / pds:name

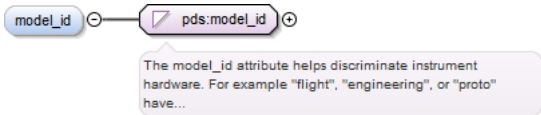
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:UTF8_Short_String_Collapsed • pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<code><xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:Instrument / pds:type

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:type						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:type 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	unbounded
content:	simple						
minOccurs:	1						
maxOccurs:	unbounded						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="type" type="pds:type" minOccurs="1" maxOccurs="unbounded"></code> <code></xs:element></code>						

Element pds:Instrument / pds:model_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:model_id						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:model_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						

	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="model_id" type="pds:model_id" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>	

Element pds:Instrument / pds:naif_instrument_id

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:naif_instrument_id	
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:naif_instrument_id 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="naif_instrument_id" type="pds:naif_instrument_id" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>	

Element pds:Instrument / pds:serial_number

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:serial_number	
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:serial_number 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="serial_number" type="pds:serial_number" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>	

Element pds:Instrument / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:description	
Type hierarchy	<ul style="list-style-type: none"> xs:string 	

	<ul style="list-style-type: none"> • pds:UTF8_Text_Preserved • pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<pre><xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_Context / pds:Instrument_Host

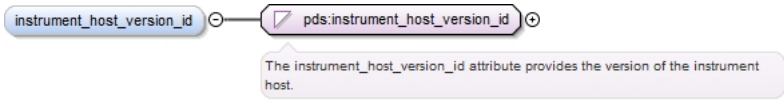
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram	<p>The Instrument Host class provides a description of the physical object upon which an instrument is mounted.</p>		
Type	pds:Instrument_Host		
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> </table>	content:	complex
content:	complex		
Model	pds:name{0,1} , pds:instrument_host_version_id{0,1} , pds:version_id{0,1} , pds:type , pds:naif_host_id{0,1} , pds:serial_number{0,1} , pds:description		
Children	pds:description, pds:instrument_host_version_id, pds:naif_host_id, pds:name, pds:serial_number, pds:type, pds:version_id		
Instance	<pre><pds:Instrument_Host xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:instrument_host_version_id>{0,1}</pds:instrument_host_version_id> <pds:version_id>{0,1}</pds:version_id> <pds:type>{1,1}</pds:type> <pds:naif_host_id>{0,1}</pds:naif_host_id> <pds:serial_number>{0,1}</pds:serial_number> <pds:description>{1,1}</pds:description> </pds:Instrument_Host></pre>		
Source	<pre><xs:element name="Instrument_Host" type="pds:Instrument_Host"> </xs:element></pre>		

Element pds:Instrument_Host / pds:name

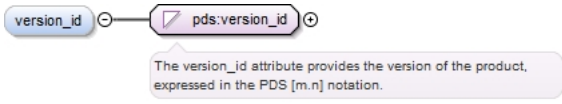
Namespace	http://pds.nasa.gov/pds4/pds/v1				
Diagram	<p>The name attribute provides a word or combination of words by which the Agency is known.</p>				
Type	pds:name				
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:UTF8_Short_String_Collapsed • pds:name 				
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				

	maxOccurs:	1
Facets	minLength	1
	maxLength	255
Source	<code><xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element></code>	

Element pds:Instrument_Host / pds:instrument_host_version_id

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:instrument_host_version_id	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:instrument_host_version_id 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	<code>\p{IsBasicLatin}*</code>
Source	<code><xs:element name="instrument_host_version_id" type="pds:instrument_host_version_id" minOccurs="0" maxOccurs="1"> </xs:element></code>	

Element pds:Instrument_Host / pds:version_id

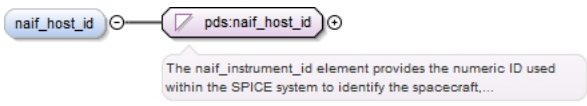
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:version_id	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:version_id 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	<code>(\p{IsBasicLatin}*) & (([0-9]+)(\.)?){1}([0-9]+)</code>
Source	<code><xs:element name="version_id" type="pds:version_id" minOccurs="0" maxOccurs="1"> </xs:element></code>	

Element pds:Instrument_Host / pds:type

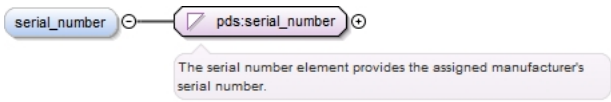
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		

Type	pds:type						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:type 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="type" type="pds:type" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Instrument_Host / pds:naif_host_id

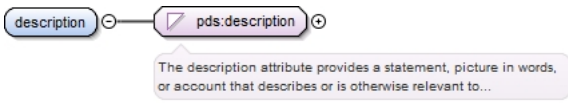
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:naif_host_id						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:naif_host_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="naif_host_id" type="pds:naif_host_id" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Instrument_Host / pds:serial_number

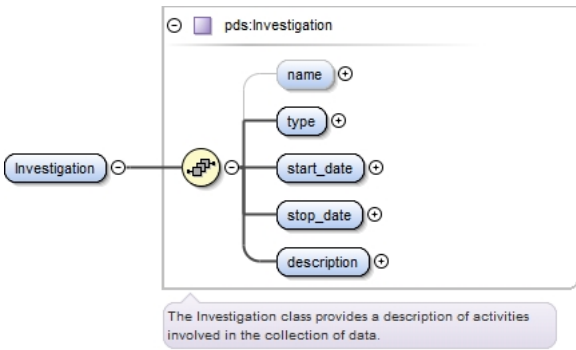
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:serial_number						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:serial_number 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="serial_number" type="pds:serial_number" minOccurs="0" maxOccurs="1"> </xs:element></code>						

</xs:element>

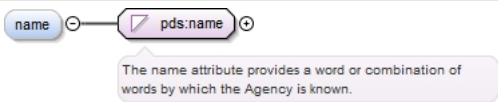
Element pds:Instrument_Host / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	minLength 1						
Source	<xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"></xs:element>						

Element pds:Product_Context / pds:Investigation

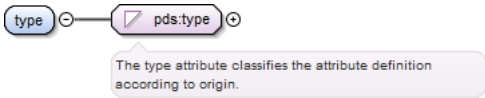
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Investigation
Properties	content: complex
Model	pds:name{0,1} , pds:type , pds:start_date , pds:stop_date , pds:description
Children	pds:description, pds:name, pds:start_date, pds:stop_date, pds:type
Instance	<pre><pds:Investigation xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:type>{1,1}</pds:type> <pds:start_date>{1,1}</pds:start_date> <pds:stop_date nilReason="">{1,1}</pds:stop_date> <pds:description>{1,1}</pds:description> </pds:Investigation></pre>
Source	<xs:element name="Investigation" type="pds:Investigation"></xs:element>

Element pds:Investigation / pds:name

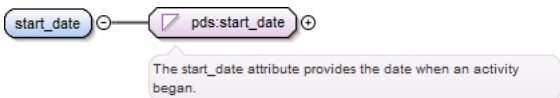
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:name
Type hierarchy	<ul style="list-style-type: none"> • xs:token

	<ul style="list-style-type: none"> • pds:UTF8_Short_String_Collapsed • pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<code><xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:Investigation / pds:type

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:type						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:type 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="type" type="pds:type" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:Investigation / pds:start_date

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:start_date						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Date_YMD • pds:start_date 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>pattern</td> <td> ((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-)?[0-9] {4}-((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z?)) </td> </tr> </table>	pattern	((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-)?[0-9] {4}-((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z?))				
pattern	((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-)?[0-9] {4}-((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z?))						
Source	<code><xs:element name="start_date" type="pds:start_date" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:Investigation / pds:stop_date

Namespace	http://pds.nasa.gov/pds4/pds/v1								
Diagram									
Type	pds:stop_date								
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Date_YMD pds:stop_date 								
Properties	content:	complex							
	minOccurs:	1							
	maxOccurs:	1							
	nillable:	true							
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>nilReason</td> <td>pds:nil_reason</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	nilReason	pds:nil_reason	optional		
QName	Type	Use							
nilReason	pds:nil_reason	optional							
Source	<pre><xs:element name="stop_date" nillable="true" type="pds:stop_date" minOccurs="1" maxOccurs="1"> </xs:element></pre>								

Element pds:Investigation / pds:description

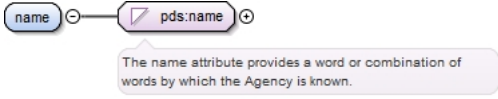
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:description		
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:UTF8_Text_Preserved pds:description 		
Properties	content:	simple	
	minOccurs:	1	
	maxOccurs:	1	
Facets	minLength	1	
Source	<pre><xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element></pre>		

Element pds:Product_Context / pds:Node

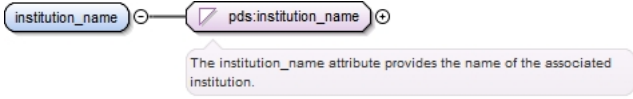
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:Node		

Properties	content: complex
Model	pds:name , pds:institution_name , pds:description
Children	pds:description, pds:institution_name, pds:name
Instance	<pre><pds:Node xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{1,1}</pds:name> <pds:institution_name>{1,1}</pds:institution_name> <pds:description>{1,1}</pds:description> </pds:Node></pre>
Source	<pre><xs:element name="Node" type="pds:Node"> </xs:element></pre>

Element pds:Node / pds:name

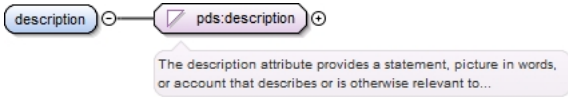
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:UTF8_Short_String_Collapsed pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<pre><xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Node / pds:institution_name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:institution_name						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:institution_name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>(\p{IsBasicLatin}*) & ([a-zA-Z]{1}([-/, ._a-zA-Z0-9]*))</td> </tr> </table>	minLength	1	maxLength	255	pattern	(\p{IsBasicLatin}*) & ([a-zA-Z]{1}([-/, ._a-zA-Z0-9]*))
minLength	1						
maxLength	255						
pattern	(\p{IsBasicLatin}*) & ([a-zA-Z]{1}([-/, ._a-zA-Z0-9]*))						
Source	<pre><xs:element name="institution_name" type="pds:institution_name" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Node / pds:description

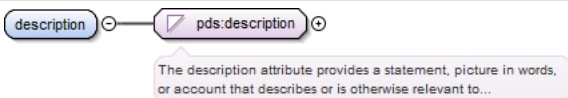
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<pre><xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_Context / pds:Other

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:Other		
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> </table>	content:	complex
content:	complex		
Model	pds:description		
Children	pds:description		
Instance	<pre><pds:Other xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:description>{1,1}</pds:description> </pds:Other></pre>		
Source	<pre><xs:element name="Other" type="pds:Other"> </xs:element></pre>		

Element pds:Other / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<pre><xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_Context / pds:PDS_Affiliate

Namespace	http://pds.nasa.gov/pds4/pds/v1
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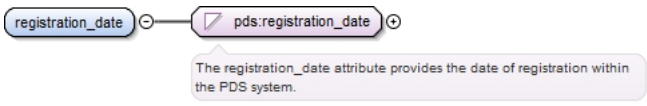
Diagram	
Type	pds:PDS_Affiliate
Properties	content: complex
Model	pds:name{0,1} , pds:registration_date , pds:electronic_mail_address* , pds:sort_name , pds:affiliation_type , pds:alternate_telephone_number{0,1} , pds:institution_name , pds:phone_book_flag , pds:postal_address_text , pds:team_name* , pds:telephone_number{0,1} , pds:description
Children	pds:affiliation_type, pds:alternate_telephone_number, pds:description, pds:electronic_mail_address, pds:institution_name, pds:name, pds:phone_book_flag, pds:postal_address_text, pds:registration_date, pds:sort_name, pds:team_name, pds:telephone_number
Instance	<pre><pds:PDS_Affiliate xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:registration_date>{1,1}</pds:registration_date> <pds:electronic_mail_address>{0,unbounded}</pds:electronic_mail_address> <pds:sort_name>{1,1}</pds:sort_name> <pds:affiliation_type>{1,1}</pds:affiliation_type> <pds:alternate_telephone_number>{0,1}</pds:alternate_telephone_number> <pds:institution_name>{1,1}</pds:institution_name> <pds:phone_book_flag>{1,1}</pds:phone_book_flag> <pds:postal_address_text>{1,1}</pds:postal_address_text> <pds:team_name>{0,unbounded}</pds:team_name> <pds:telephone_number>{0,1}</pds:telephone_number> <pds:description>{1,1}</pds:description> </pds:PDS_Affiliate></pre>
Source	<xs:element name="PDS_Affiliate" type="pds:PDS_Affiliate"></xs:element>

Element pds:PDS_Affiliate / pds:name

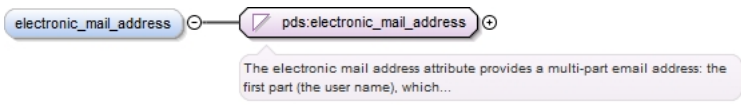
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:name
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:UTF8_Short_String_Collapsed pds:name
Properties	content: simple minOccurs: 0

	maxOccurs:	1
Facets	minLength	1
	maxLength	255
Source	<code><xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element></code>	

Element pds:PDS_Affiliate / pds:registration_date

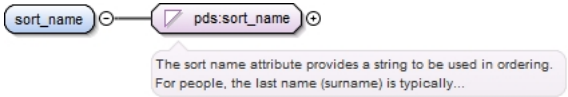
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:registration_date	
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Date_YMD • pds:registration_date 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	pattern	<pre>((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-)?[0-9] {4}-((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z?))</pre>
Source	<code><xs:element name="registration_date" type="pds:registration_date" minOccurs="1" maxOccurs="1"> </xs:element></code>	

Element pds:PDS_Affiliate / pds:electronic_mail_address

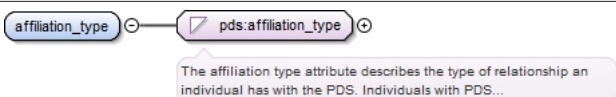
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:electronic_mail_address	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:electronic_mail_address 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	unbounded
Facets	minLength	1
	maxLength	255
	pattern	<code>\p{IsBasicLatin}*</code>
Source	<code><xs:element name="electronic_mail_address" type="pds:electronic_mail_address" minOccurs="0" maxOccurs="unbounded"> </xs:element></code>	

Element pds:PDS_Affiliate / pds:sort_name

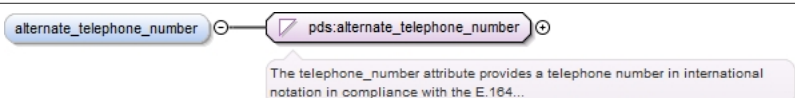
Namespace	http://pds.nasa.gov/pds4/pds/v1	
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Diagram							
Type	pds:sort_name						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:sort_name 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>1</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>maxLength</td><td>255</td></tr> <tr><td>pattern</td><td>\p{IsBasicLatin}*</td></tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="sort_name" type="pds:sort_name" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:PDS_Affiliate / pds:affiliation_type

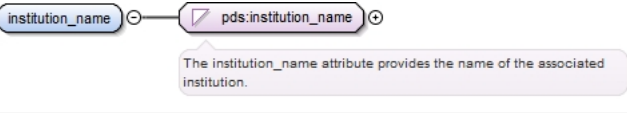
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:affiliation_type						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:affiliation_type 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>1</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>maxLength</td><td>255</td></tr> <tr><td>pattern</td><td>\p{IsBasicLatin}*</td></tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="affiliation_type" type="pds:affiliation_type" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:PDS_Affiliate / pds:alternate_telephone_number

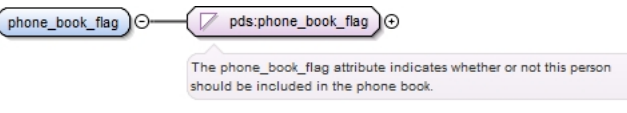
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:alternate_telephone_number						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:alternate_telephone_number 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> </table>	minLength	1				
minLength	1						

	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="alternate_telephone_number" type="pds:alternate_telephone_number" minOccurs="0" maxOccurs="1"> </xs:element></code>	

Element pds:PDS_Affiliate / pds:institution_name

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:institution_name	
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:institution_name 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	(\p{IsBasicLatin}*) & ([a-zA-Z]{1}([-/, ._a-zA-Z0-9]*))
Source	<code><xs:element name="institution_name" type="pds:institution_name" minOccurs="1" maxOccurs="1"> </xs:element></code>	

Element pds:PDS_Affiliate / pds:phone_book_flag

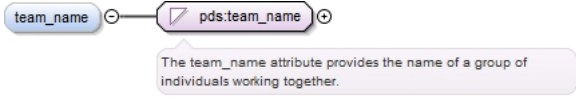
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:phone_book_flag	
Type hierarchy	<ul style="list-style-type: none"> xs:boolean pds:ASCII_Boolean pds:phone_book_flag 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Source	<code><xs:element name="phone_book_flag" type="pds:phone_book_flag" minOccurs="1" maxOccurs="1"> </xs:element></code>	

Element pds:PDS_Affiliate / pds:postal_address_text

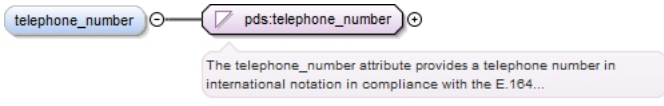
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:postal_address_text	
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Text_Preserved 	

	<ul style="list-style-type: none"> • pds:postal_address_text
Properties	content: simple
	minOccurs: 1
	maxOccurs: 1
Facets	minLength 1
	pattern \p{IsBasicLatin}*
Source	<code><xs:element name="postal_address_text" type="pds:postal_address_text" minOccurs="1" maxOccurs="1"></xs:element></code>

Element pds:PDS_Affiliate / pds:team_name

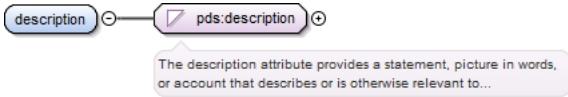
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:team_name
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:team_name
Properties	content: simple
	minOccurs: 0
	maxOccurs: unbounded
Facets	minLength 1
	maxLength 255
	pattern \p{IsBasicLatin}*
Source	<code><xs:element name="team_name" type="pds:team_name" minOccurs="0" maxOccurs="unbounded"></xs:element></code>

Element pds:PDS_Affiliate / pds:telephone_number

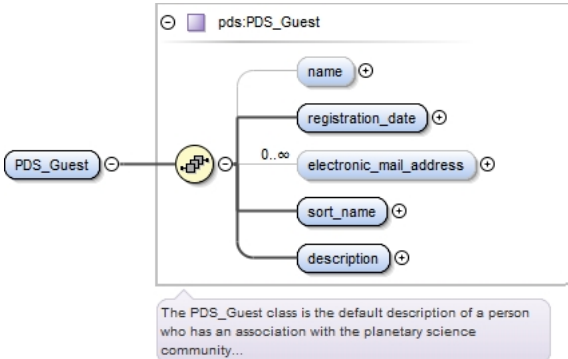
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:telephone_number
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:telephone_number
Properties	content: simple
	minOccurs: 0
	maxOccurs: 1
Facets	minLength 1
	maxLength 255
	pattern \p{IsBasicLatin}*
Source	<code><xs:element name="telephone_number" type="pds:telephone_number" minOccurs="0" maxOccurs="1"></xs:element></code>

Element pds:PDS_Affiliate / pds:description

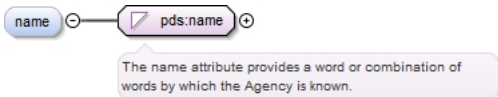
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<pre><xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_Context / pds:PDS_Guest

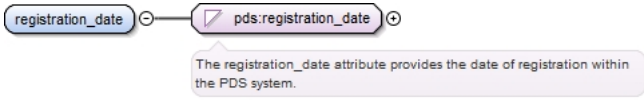
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:PDS_Guest
Properties	content: complex
Model	pds:name{0,1} , pds:registration_date , pds:electronic_mail_address* , pds:sort_name , pds:description
Children	pds:description, pds:electronic_mail_address, pds:name, pds:registration_date, pds:sort_name
Instance	<pre><pds:PDS_Guest xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:registration_date>{1,1}</pds:registration_date> <pds:electronic_mail_address>{0,unbounded}</pds:electronic_mail_address> <pds:sort_name>{1,1}</pds:sort_name> <pds:description>{1,1}</pds:description> </pds:PDS_Guest></pre>
Source	<pre><xs:element name="PDS_Guest" type="pds:PDS_Guest"> </xs:element></pre>

Element pds:PDS_Guest / pds:name

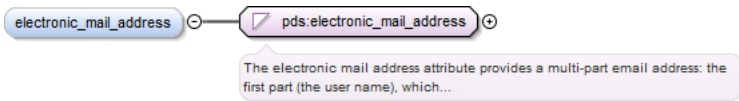
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:name
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:UTF8_Short_String_Collapsed • pds:name
Properties	content: simple

	minOccurs: 0
	maxOccurs: 1
Facets	minLength 1
	maxLength 255
Source	<code><xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element></code>

Element pds:PDS_Guest / pds:registration_date

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:registration_date
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Date_YMD pds:registration_date
Properties	content: simple
	minOccurs: 1
	maxOccurs: 1
Facets	<p>pattern</p> <pre>((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-)?[0-9] {4}-((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z?))</pre>
Source	<code><xs:element name="registration_date" type="pds:registration_date" minOccurs="1" maxOccurs="1"> </xs:element></code>

Element pds:PDS_Guest / pds:electronic_mail_address

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:electronic_mail_address
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:electronic_mail_address
Properties	content: simple
	minOccurs: 0
	maxOccurs: unbounded
Facets	minLength 1
	maxLength 255
	pattern \p{IsBasicLatin}*
Source	<code><xs:element name="electronic_mail_address" type="pds:electronic_mail_address" minOccurs="0" maxOccurs="unbounded"> </xs:element></code>

Element pds:PDS_Guest / pds:sort_name

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:sort_name						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:sort_name 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>1</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>maxLength</td><td>255</td></tr> <tr><td>pattern</td><td>\p{IsBasicLatin}*</td></tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="sort_name" type="pds:sort_name" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:PDS_Guest / pds:description

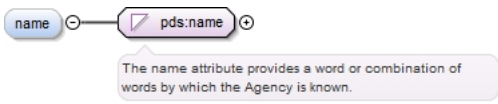
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>1</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> </table>	minLength	1				
minLength	1						
Source	<code><xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:Product_Context / pds:Resource

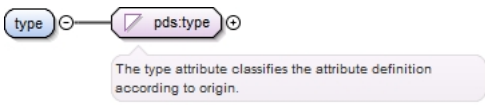
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Resource
Properties	content: complex
Model	pds:name{0,1} , pds:type , pds:url , pds:description
Children	pds:description, pds:name, pds:type, pds:url
Instance	<code><pds:Resource xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"></code>

	<pre><pds:name>{0,1}</pds:name> <pds:type>{1,1}</pds:type> <pds:url>{1,1}</pds:url> <pds:description>{1,1}</pds:description> </pds:Resource></pre>
Source	<pre><xs:element name="Resource" type="pds:Resource"> </xs:element></pre>

Element pds:Resource / pds:name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:UTF8_Short_String_Collapsed pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<pre><xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Resource / pds:type

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:type						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:type 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="type" type="pds:type" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Resource / pds:url

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:url

Type hierarchy	<ul style="list-style-type: none"> xs:anyURI pds:ASCII_AnyURI <ul style="list-style-type: none"> pds:url 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	pattern	\p{IsBasicLatin}*				
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="url" type="pds:url" minOccurs="1" maxOccurs="1"></xs:element></code>						

Element pds:Resource / pds:description

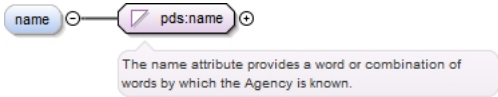
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to...</p>						
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:UTF8_Text_Preserved pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<code><xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"></xs:element></code>						

Element pds:Product_Context / pds:Target

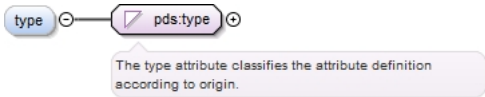
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram	<p>The Target class provides a description of a physical object that is the object of data collection.</p>		
Type	pds:Target		
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> </table>	content:	complex
content:	complex		
Model	pds:name{0,1} , pds:type* , pds:description		
Children	pds:description, pds:name, pds:type		
Instance	<pre><pds:Target xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:type>{0,unbounded}</pds:type> <pds:description>{1,1}</pds:description> </pds:Target></pre>		
Source	<code><xs:element name="Target" type="pds:Target"></xs:element></code>		

Element pds:Target / pds:name

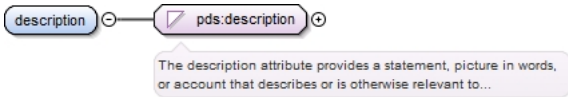
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:UTF8_Short_String_Collapsed • pds:name 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>maxLength</td><td>255</td></tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<code><xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:Target / pds:type

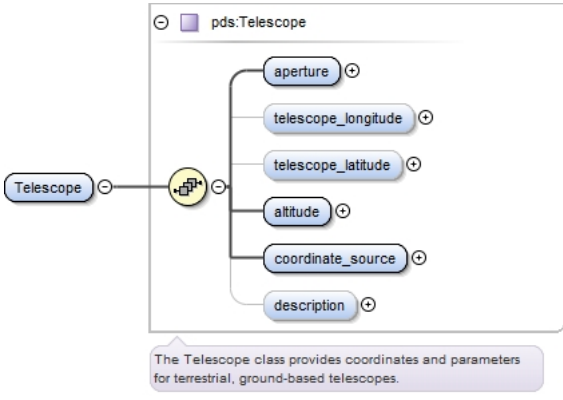
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:type						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:type 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	unbounded
content:	simple						
minOccurs:	0						
maxOccurs:	unbounded						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>maxLength</td><td>255</td></tr> <tr><td>pattern</td><td>\p{IsBasicLatin}*</td></tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="type" type="pds:type" minOccurs="0" maxOccurs="unbounded"></code> <code></xs:element></code>						

Element pds:Target / pds:description

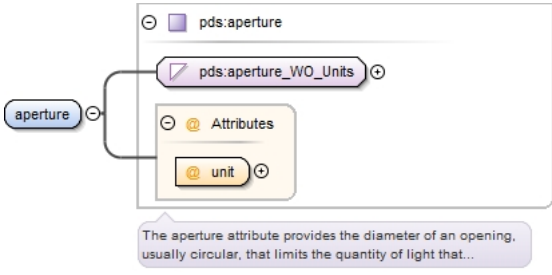
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>1</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> </table>	minLength	1				
minLength	1						
Source	<code><xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"></code>						

</xs:element>

Element pds:Product_Context / pds:Telescope

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Telescope
Properties	content: complex
Model	pds:aperture , pds:telescope_longitude{0,1} , pds:telescope_latitude{0,1} , pds:altitude , pds:coordinate_source , pds:description{0,1}
Children	pds:altitude, pds:aperture, pds:coordinate_source, pds:description, pds:telescope_latitude, pds:telescope_longitude
Instance	<pre><pds:Telescope xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:aperture unit="">{1,1}</pds:aperture> <pds:telescope_longitude unit="">{0,1}</pds:telescope_longitude> <pds:telescope_latitude unit="">{0,1}</pds:telescope_latitude> <pds:altitude unit="">{1,1}</pds:altitude> <pds:coordinate_source>{1,1}</pds:coordinate_source> <pds:description>{0,1}</pds:description> </pds:Telescope></pre>
Source	<pre><xs:element name="Telescope" type="pds:Telescope"> </xs:element></pre>

Element pds:Telescope / pds:aperture

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:aperture						
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • pds:aperture_WO_Units • pds:aperture 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Length</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Length	required
QName	Type	Use					
unit	pds:Units_of_Length	required					
Source	<pre><xs:element name="aperture" type="pds:aperture" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Telescope / pds:telescope_longitude

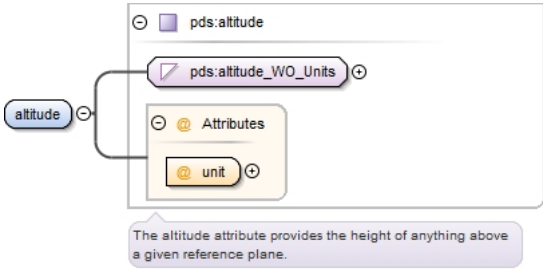
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:telescope_longitude		
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:telescope_longitude_WO_Units • pds:telescope_longitude 		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Angle	required
Source	<pre><xs:element name="telescope_longitude" type="pds:telescope_longitude" minOccurs="0" maxOccurs="1"> </xs:element></pre>		

Element pds:Telescope / pds:telescope_latitude

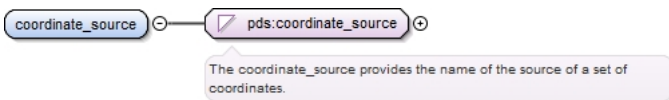
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:telescope_latitude		
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:telescope_latitude_WO_Units • pds:telescope_latitude 		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Angle	required
Source	<pre><xs:element name="telescope_latitude" type="pds:telescope_latitude" minOccurs="0" maxOccurs="1"> </xs:element></pre>		

Element pds:Telescope / pds:altitude

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram				
Type	pds:altitude			
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • pds:altitude_WO_Units • pds:altitude 			
Properties	content:	complex		
	minOccurs:	1		
	maxOccurs:	1		
Attributes	QName	Type	Use	
	unit	pds:Units_of_Length	required	
Source	<pre><xs:element name="altitude" type="pds:altitude" minOccurs="1" maxOccurs="1"> </xs:element></pre>			

Element pds:Telescope / pds:coordinate_source

Namespace	http://pds.nasa.gov/pds4/pds/v1			
Diagram				
Type	pds:coordinate_source			
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:coordinate_source 			
Properties	content:	simple		
	minOccurs:	1		
	maxOccurs:	1		
Facets	minLength	1		
	maxLength	255		
	pattern	\p{IsBasicLatin}*		
Source	<pre><xs:element name="coordinate_source" type="pds:coordinate_source" minOccurs="1" maxOccurs="1"> </xs:element></pre>			

Element pds:Telescope / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1			
Diagram				
Type	pds:description			
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved 			

	<ul style="list-style-type: none"> • pds:description
Properties	content: simple
	minOccurs: 0
	maxOccurs: 1
Facets	minLength 1
Source	<code><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element></code>

Element pds:Product_DIP

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	<p>A Product is a uniquely identified object that is managed by a registry/repository. It consists of one or more tagged...</p> <p>The Product DIP class defines a product for the Dissemination Information Package.</p>
Type	pds:Product_DIP
Type hierarchy	<ul style="list-style-type: none"> • pds:Product • pds:Product_DIP
Properties	content: complex
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:Information_Package_Component+ , pds:Dissemination_Information_Package
Children	pds:Dissemination_Information_Package, pds:Identification_Area, pds:Information_Package_Component, pds:Reference_List
Instance	<code><pds:Product_DIP xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Identification_Area>{1,1}</pds:Identification_Area> <pds:Reference_List>{0,1}</pds:Reference_List> <pds:Information_Package_Component>{1,unbounded}</pds:Information_Package_Component> <pds:Dissemination_Information_Package>{1,1}</pds:Dissemination_Information_Package> </pds:Product_DIP></code>
Source	<code><xs:element name="Product_DIP" type="pds:Product_DIP"> </xs:element></code>

Element pds:Product_DIP / pds:Reference_List

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	<p>The Reference_List class provides lists general references and cross-references for the product. References cited...</p>
Type	pds:Reference_List
Properties	content: complex
	minOccurs: 0
	maxOccurs: 1

Model	pds:Internal_Reference* , pds:External_Reference*
Children	pds:External_Reference, pds:Internal_Reference
Instance	<pre><pds:Reference_List xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Internal_Reference>{0,unbounded}</pds:Internal_Reference> <pds:External_Reference>{0,unbounded}</pds:External_Reference> </pds:Reference_List></pre>
Source	<pre><xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element></pre>

Element pds:Product_DIP / pds:Information_Package_Component

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Information_Package_Component						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	pds:checksum_manifest_checksum{0,1} , pds:checksum_type{0,1} , pds:transfer_manifest_checksum{0,1} , pds:Internal_Reference+, pds:File_Area_Checksum_Manifest{0,1} , pds:File_Area_Transfer_Manifest{0,1}						
Children	pds:File_Area_Checksum_Manifest, pds:File_Area_Transfer_Manifest, pds:Internal_Reference, pds:checksum_manifest_checksum, pds:checksum_type, pds:transfer_manifest_checksum						
Instance	<pre><pds:Information_Package_Component xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:checksum_manifest_checksum>{0,1}</pds:checksum_manifest_checksum> <pds:checksum_type>{0,1}</pds:checksum_type> <pds:transfer_manifest_checksum>{0,1}</pds:transfer_manifest_checksum> <pds:Internal_Reference>{1,unbounded}</pds:Internal_Reference> <pds:File_Area_Checksum_Manifest>{0,1}</pds:File_Area_Checksum_Manifest> <pds:File_Area_Transfer_Manifest>{0,1}</pds:File_Area_Transfer_Manifest> </pds:Information_Package_Component></pre>						
Source	<pre><xs:element name="Information_Package_Component" type="pds:Information_Package_Component" minOccurs="1" maxOccurs="unbounded"> </xs:element></pre>						

Element pds:Product_DIP / pds:Dissemination_Information_Package

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	

Type	pds:Dissemination_Information_Package						
Type hierarchy	<ul style="list-style-type: none"> pds:Information_Package pds:Dissemination_Information_Package 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:description						
Children	pds:description						
Instance	<pre><pds:Dissemination_Information_Package xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:description>{1,1}</pds:description> </pds:Dissemination_Information_Package></pre>						
Source	<pre><xs:element name="Dissemination_Information_Package" type="pds:Dissemination_Information_Package" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Dissemination_Information_Package / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The diagram shows a box for 'description' connected to a box for 'pds:description'. A callout bubble points to 'pds:description' with the text: "The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to..."</p>						
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:UTF8_Text_Preserved pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	minLength 1						
Source	<pre><xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_DIP_Deep_Archive

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram	<p>The diagram shows a tree structure starting with 'pds:Product_DIP_Deep_Archive'. It contains 'pds:Product (extension base)', which includes 'Identification_Area'. Below 'pds:Product' is a list of components: 'Reference_List', 'Information_Package_Component' (with a cardinality of 1..∞), and 'DIP_Deep_Archive'. A callout bubble explains: "A Product is a uniquely identified object that is managed by a registry/repository. It consists of one or more tagged...". Another callout bubble at the bottom states: "The Product DIP_Deep_Archive class defines a product for the Dissemination Information Package for the deep archive."</p>		
Type	pds:Product_DIP_Deep_Archive		
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_DIP_Deep_Archive 		
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> </table>	content:	complex
content:	complex		

Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:Information_Package_Component+ , pds:DIP_Deep_Archive
Children	pds:DIP_Deep_Archive, pds:Identification_Area, pds:Information_Package_Component, pds:Reference_List
Instance	<pre><pds:Product_DIP_Deep_Archive xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Identification_Area>{1,1}</pds:Identification_Area> <pds:Reference_List>{0,1}</pds:Reference_List> <pds:Information_Package_Component>{1,unbounded}</pds:Information_Package_Component> <pds:DIP_Deep_Archive>{1,1}</pds:DIP_Deep_Archive> </pds:Product_DIP_Deep_Archive></pre>
Source	<pre><xs:element name="Product_DIP_Deep_Archive" type="pds:Product_DIP_Deep_Archive"> </xs:element></pre>

Element pds:Product_DIP_Deep_Archive / pds:Reference_List

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Reference_List						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:Internal_Reference* , pds:External_Reference*						
Children	pds:External_Reference, pds:Internal_Reference						
Instance	<pre><pds:Reference_List xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Internal_Reference>{0,unbounded}</pds:Internal_Reference> <pds:External_Reference>{0,unbounded}</pds:External_Reference> </pds:Reference_List></pre>						
Source	<pre><xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_DIP_Deep_Archive / pds:Information_Package_Component

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Information_Package_Component						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	pds:checksum_manifest_checksum{0,1} , pds:checksum_type{0,1} , pds:transfer_manifest_checksum{0,1} , pds:Internal_Reference+ , pds:File_Area_Checksum_Manifest{0,1} , pds:File_Area_Transfer_Manifest{0,1}						
Children	pds:File_Area_Checksum_Manifest, pds:File_Area_Transfer_Manifest, pds:Internal_Reference, pds:checksum_manifest_checksum, pds:checksum_type, pds:transfer_manifest_checksum						

Instance	<pre><pds:Information_Package_Component xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:checksum_manifest_checksum>{0,1}</pds:checksum_manifest_checksum> <pds:checksum_type>{0,1}</pds:checksum_type> <pds:transfer_manifest_checksum>{0,1}</pds:transfer_manifest_checksum> <pds:Internal_Reference>{1,unbounded}</pds:Internal_Reference> <pds:File_Area_Checksum_Manifest>{0,1}</pds:File_Area_Checksum_Manifest> <pds:File_Area_Transfer_Manifest>{0,1}</pds:File_Area_Transfer_Manifest> </pds:Information_Package_Component></pre>
Source	<pre><xs:element name="Information_Package_Component" type="pds:Information_Package_Component" minOccurs="1" maxOccurs="unbounded"> </xs:element></pre>

Element pds:Product_DIP_Deep_Archive / pds:DIP_Deep_Archive

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:DIP_Deep_Archive						
Type hierarchy	<ul style="list-style-type: none"> pds:Information_Package pds:DIP_Deep_Archive 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:description						
Children	pds:description						
Instance	<pre><pds:DIP_Deep_Archive xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:description>{1,1}</pds:description> </pds:DIP_Deep_Archive></pre>						
Source	<pre><xs:element name="DIP_Deep_Archive" type="pds:DIP_Deep_Archive" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:DIP_Deep_Archive / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:UTF8_Text_Preserved pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	minLength 1						
Source	<pre><xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"></pre>						

</xs:element>

Element pds:Product_Data_Set_PDS3

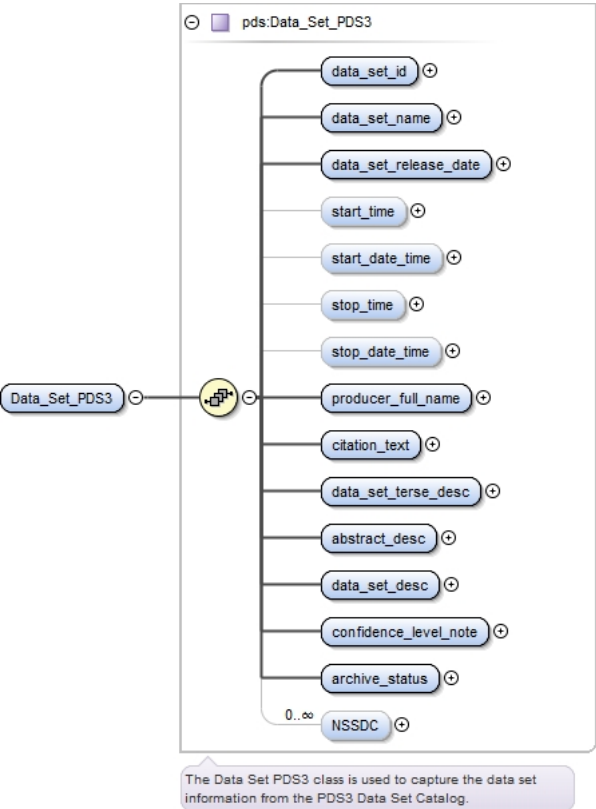
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Product_Data_Set_PDS3
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_Data_Set_PDS3
Properties	content: complex
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:Data_Set_PDS3
Children	pds:Data_Set_PDS3, pds:Identification_Area, pds:Reference_List
Instance	<pre><pds:Product_Data_Set_PDS3 xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Identification_Area>{1,1}</pds:Identification_Area> <pds:Reference_List>{0,1}</pds:Reference_List> <pds:Data_Set_PDS3>{1,1}</pds:Data_Set_PDS3> </pds:Product_Data_Set_PDS3></pre>
Source	<pre><xs:element name="Product_Data_Set_PDS3" type="pds:Product_Data_Set_PDS3"> </xs:element></pre>

Element pds:Product_Data_Set_PDS3 / pds:Reference_List


Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Reference_List						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:Internal_Reference*, pds:External_Reference*						
Children	pds:External_Reference, pds:Internal_Reference						
Instance	<pre><pds:Reference_List xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Internal_Reference>{0,unbounded}</pds:Internal_Reference> <pds:External_Reference>{0,unbounded}</pds:External_Reference> </pds:Reference_List></pre>						
Source	<pre><xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_Data_Set_PDS3 / pds:Data_Set_PDS3

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:Data_Set_PDS3						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:data_set_id , pds:data_set_name , pds:data_set_release_date , pds:start_time{0,1} , pds:start_date_time{0,1} , pds:stop_time{0,1} , pds:stop_date_time{0,1} , pds:producer_full_name , pds:citation_text , pds:data_set_terse_desc , pds:abstract_desc , pds:data_set_desc , pds:confidence_level_note , pds:archive_status , pds:NSSDC*						
Children	pds:NSSDC, pds:abstract_desc, pds:archive_status, pds:citation_text, pds:confidence_level_note, pds:data_set_desc, pds:data_set_id, pds:data_set_name, pds:data_set_release_date, pds:data_set_terse_desc, pds:producer_full_name, pds:start_date_time, pds:start_time, pds:stop_date_time, pds:stop_time						
Instance	<pre><pds:Data_Set_PDS3 xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:data_set_id>{1,1}</pds:data_set_id> <pds:data_set_name>{1,1}</pds:data_set_name> <pds:data_set_release_date>{1,1}</pds:data_set_release_date> <pds:start_time nilReason="">{0,1}</pds:start_time> <pds:start_date_time nilReason="">{0,1}</pds:start_date_time> <pds:stop_time nilReason="">{0,1}</pds:stop_time> <pds:stop_date_time nilReason="">{0,1}</pds:stop_date_time> <pds:producer_full_name>{1,1}</pds:producer_full_name> <pds:citation_text>{1,1}</pds:citation_text> <pds:data_set_terse_desc>{1,1}</pds:data_set_terse_desc> <pds:abstract_desc>{1,1}</pds:abstract_desc> <pds:data_set_desc>{1,1}</pds:data_set_desc> <pds:confidence_level_note>{1,1}</pds:confidence_level_note> <pds:archive_status>{1,1}</pds:archive_status> <pds:NSSDC>{0,unbounded}</pds:NSSDC> </pds:Data_Set_PDS3></pre>						
Source	<pre><xs:element name="Data_Set_PDS3" type="pds:Data_Set_PDS3" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Data_Set_PDS3 / pds:data_set_id

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	

Type	pds:data_set_id						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:data_set_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="data_set_id" type="pds:data_set_id" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Data_Set_PDS3 / pds:data_set_name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:data_set_name						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:data_set_name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="data_set_name" type="pds:data_set_name" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Data_Set_PDS3 / pds:data_set_release_date

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:data_set_release_date						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:data_set_release_date 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						

Source	<pre><xs:element name="data_set_release_date" type="pds:data_set_release_date" minOccurs="1" maxOccurs="1"> </xs:element></pre>
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Element pds:Data_Set_PDS3 / pds:start_time

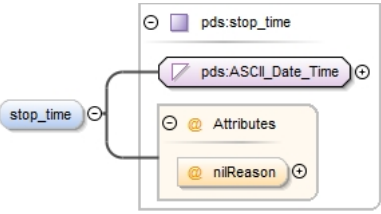
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:start_time		
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Date_Time • pds:start_time 		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
	nillable:	true	
Attributes	QName	Type	Use
	nilReason	pds:nil_reason	optional
Source	<pre><xs:element name="start_time" nillable="true" type="pds:start_time" minOccurs="0" maxOccurs="1"> </xs:element></pre>		

Element pds:Data_Set_PDS3 / pds:start_date_time

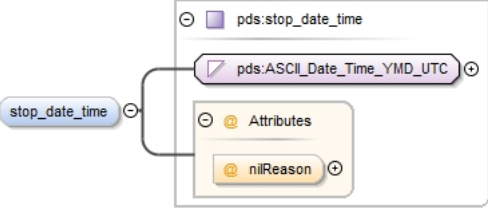
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:start_date_time		
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Date_Time_YMD_UTC • pds:start_date_time 		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
	nillable:	true	
Attributes	QName	Type	Use
	nilReason	pds:nil_reason	optional
Source	<pre><xs:element name="start_date_time" nillable="true" type="pds:start_date_time" minOccurs="0" maxOccurs="1"> </xs:element></pre>		

Element pds:Data_Set_PDS3 / pds:stop_time

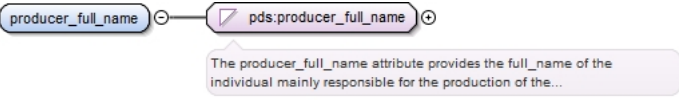
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram	 <p>The diagram shows the structure of the <code>pds:stop_time</code> element. It is a complex type containing a <code>pds:ASCII_Date_Time</code> element and an <code>Attributes</code> container. The <code>Attributes</code> container includes a <code>nilReason</code> attribute.</p>		
Type	pds:stop_time		
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Date_Time • pds:stop_time 		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
	nillable:	true	
Attributes	QName	Type	Use
	<code>nilReason</code>	pds:nil_reason	optional
Source	<pre><xs:element name="stop_time" nillable="true" type="pds:stop_time" minOccurs="0" maxOccurs="1"> </xs:element></pre>		

Element pds:Data_Set_PDS3 / pds:stop_date_time

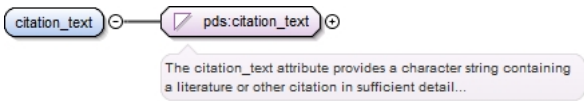
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram	 <p>The diagram shows the structure of the <code>pds:stop_date_time</code> element. It is a complex type containing a <code>pds:ASCII_Date_Time_YMD_UTC</code> element and an <code>Attributes</code> container. The <code>Attributes</code> container includes a <code>nilReason</code> attribute.</p>		
Type	pds:stop_date_time		
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Date_Time_YMD_UTC • pds:stop_date_time 		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
	nillable:	true	
Attributes	QName	Type	Use
	<code>nilReason</code>	pds:nil_reason	optional
Source	<pre><xs:element name="stop_date_time" nillable="true" type="pds:stop_date_time" minOccurs="0" maxOccurs="1"> </xs:element></pre>		

Element pds:Data_Set_PDS3 / pds:producer_full_name

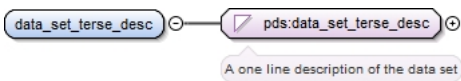
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram	 <p>The diagram shows the structure of the <code>pds:producer_full_name</code> element. It is a simple type containing a <code>pds:producer_full_name</code> attribute. A note indicates: "The producer_full_name attribute provides the full_name of the individual mainly responsible for the production of the..."</p>		
Type	pds:producer_full_name		
Type hierarchy	<ul style="list-style-type: none"> • xs:token 		

	<ul style="list-style-type: none"> • pds:ASCII_Short_String_Collapsed • pds:producer_full_name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="producer_full_name" type="pds:producer_full_name" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Data_Set_PDS3 / pds:citation_text

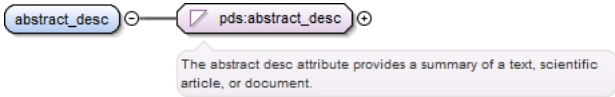
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:citation_text						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:citation_text 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*		
minLength	1						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="citation_text" type="pds:citation_text" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Data_Set_PDS3 / pds:data_set_terse_desc

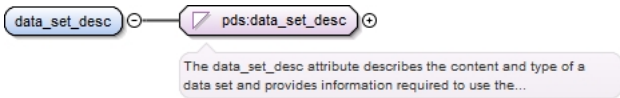
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:data_set_terse_desc						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:data_set_terse_desc 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*		
minLength	1						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="data_set_terse_desc" type="pds:data_set_terse_desc" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Data_Set_PDS3 / pds:abstract_desc

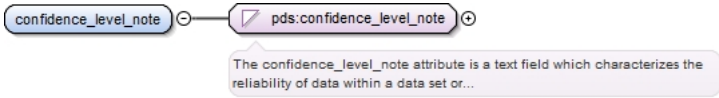
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:abstract_desc						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:abstract_desc 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*		
minLength	1						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="abstract_desc" type="pds:abstract_desc" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Data_Set_PDS3 / pds:data_set_desc

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:data_set_desc						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:data_set_desc 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*		
minLength	1						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="data_set_desc" type="pds:data_set_desc" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Data_Set_PDS3 / pds:confidence_level_note

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:confidence_level_note						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:confidence_level_note 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*		
minLength	1						
pattern	\p{IsBasicLatin}*						

Source	<pre><xs:element name="confidence_level_note" type="pds:confidence_level_note" minOccurs="1" maxOccurs="1"> </xs:element></pre>
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Element pds:Data_Set_PDS3 / pds:archive_status

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:archive_status						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:archive_status 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>1</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>maxLength</td><td>255</td></tr> <tr><td>pattern</td><td>\p{IsBasicLatin}*</td></tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="archive_status" type="pds:archive_status" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Data_Set_PDS3 / pds:NSSDC

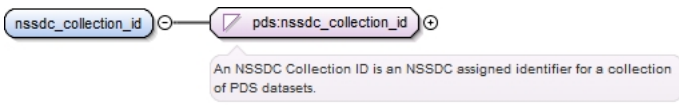
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:NSSDC						
Properties	<table border="1"> <tr><td>content:</td><td>complex</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	pds:medium_type , pds:nssdc_collection_id						
Children	pds:medium_type, pds:nssdc_collection_id						
Instance	<pre><pds:NSSDC xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:medium_type>{1,1}</pds:medium_type> <pds:nssdc_collection_id>{1,1}</pds:nssdc_collection_id> </pds:NSSDC></pre>						
Source	<pre><xs:element name="NSSDC" type="pds:NSSDC" minOccurs="0" maxOccurs="unbounded"> </xs:element></pre>						

Element pds:NSSDC / pds:medium_type

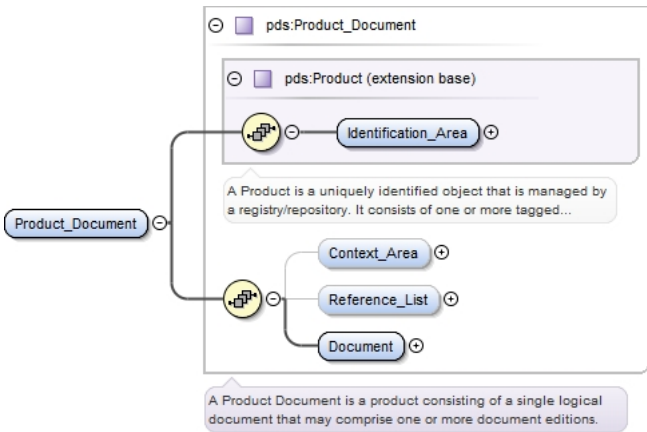
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:medium_type
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed

	<ul style="list-style-type: none"> • pds:medium_type 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<xs:element name="medium_type" type="pds:medium_type" minOccurs="1" maxOccurs="1"></xs:element>						

Element pds:NSSDC / pds:nssdc_collection_id

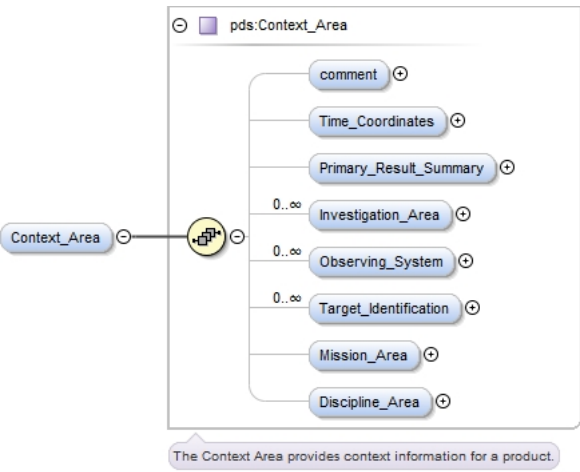
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:nssdc_collection_id						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:nssdc_collection_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<xs:element name="nssdc_collection_id" type="pds:nssdc_collection_id" minOccurs="1" maxOccurs="1"></xs:element>						

Element pds:Product_Document

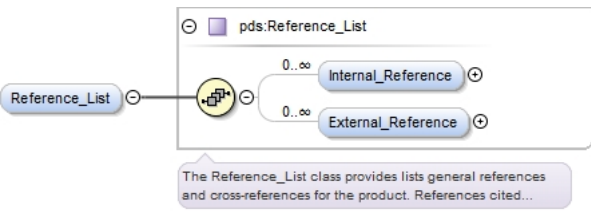
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Product_Document
Type hierarchy	<ul style="list-style-type: none"> • pds:Product • pds:Product_Document
Properties	content: complex
Model	pds:Identification_Area , pds:Context_Area{0,1} , pds:Reference_List{0,1} , pds:Document

Children	pds:Context_Area, pds:Document, pds:Identification_Area, pds:Reference_List
Instance	<pre><pds:Product_Document xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Identification_Area>{1,1}</pds:Identification_Area> <pds:Context_Area>{0,1}</pds:Context_Area> <pds:Reference_List>{0,1}</pds:Reference_List> <pds:Document>{1,1}</pds:Document> </pds:Product_Document></pre>
Source	<pre><xs:element name="Product_Document" type="pds:Product_Document"> </xs:element></pre>

Element pds:Product_Document / pds:Context_Area

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Context_Area						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:comment{0,1} , pds:Time_Coordinates{0,1} , pds:Primary_Result_Summary{0,1} , pds:Investigation_Area* , pds:Observing_System* , pds:Target_Identification* , pds:Mission_Area{0,1} , pds:Discipline_Area{0,1}						
Children	pds:Discipline_Area, pds:Investigation_Area, pds:Mission_Area, pds:Observing_System, pds:Primary_Result_Summary, pds:Target_Identification, pds:Time_Coordinates, pds:comment						
Instance	<pre><pds:Context_Area xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:comment>{0,1}</pds:comment> <pds:Time_Coordinates>{0,1}</pds:Time_Coordinates> <pds:Primary_Result_Summary>{0,1}</pds:Primary_Result_Summary> <pds:Investigation_Area>{0,unbounded}</pds:Investigation_Area> <pds:Observing_System>{0,unbounded}</pds:Observing_System> <pds:Target_Identification>{0,unbounded}</pds:Target_Identification> <pds:Mission_Area>{0,1}</pds:Mission_Area> <pds:Discipline_Area>{0,1}</pds:Discipline_Area> </pds:Context_Area></pre>						
Source	<pre><xs:element name="Context_Area" type="pds:Context_Area" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_Document / pds:Reference_List

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:Reference_List		
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> </table>	content:	complex
content:	complex		

	minOccurs: 0
	maxOccurs: 1
Model	pds:Internal_Reference* , pds:External_Reference*
Children	pds:External_Reference, pds:Internal_Reference
Instance	<pre><pds:Reference_List xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Internal_Reference>{0,unbounded}</pds:Internal_Reference> <pds:External_Reference>{0,unbounded}</pds:External_Reference> </pds:Reference_List></pre>
Source	<pre><xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element></pre>

Element pds:Product_Document / pds:Document

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Document						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:revision_id{0,1} , pds:document_name{0,1} , pds:doi{0,1} , pds:author_list{0,1} , pds:editor_list{0,1} , pds:acknowledgement_text{0,1} , pds:copyright{0,1} , pds:publication_date , pds:document_editions{0,1} , pds:description{0,1} , pds:Document_Edition+						
Children	pds:Document_Edition, pds:acknowledgement_text, pds:author_list, pds:copyright, pds:description, pds:document_editions, pds:document_name, pds:doi, pds:editor_list, pds:publication_date, pds:revision_id						
Instance	<pre><pds:Document xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:revision_id>{0,1}</pds:revision_id> <pds:document_name>{0,1}</pds:document_name> <pds:doi>{0,1}</pds:doi> <pds:author_list>{0,1}</pds:author_list> <pds:editor_list>{0,1}</pds:editor_list> <pds:acknowledgement_text>{0,1}</pds:acknowledgement_text> <pds:copyright>{0,1}</pds:copyright> <pds:publication_date nilReason="">{1,1}</pds:publication_date> <pds:document_editions>{0,1}</pds:document_editions> <pds:description>{0,1}</pds:description> <pds:Document_Edition>{1,unbounded}</pds:Document_Edition> </pds:Document></pre>						
Source	<pre><xs:element name="Document" type="pds:Document" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Document / pds:revision_id

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:revision_id						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:revision_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="revision_id" type="pds:revision_id" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Document / pds:document_name


Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:document_name						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:document_name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<code><xs:element name="document_name" type="pds:document_name" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Document / pds:doi

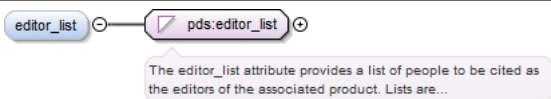
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:doi						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:doi 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						

	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="doi" type="pds:doi" minOccurs="0" maxOccurs="1"> </xs:element></code>	

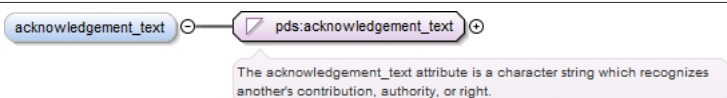
Element pds:Document / pds:author_list

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:author_list	
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:author_list 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
Source	<code><xs:element name="author_list" type="pds:author_list" minOccurs="0" maxOccurs="1"> </xs:element></code>	

Element pds:Document / pds:editor_list


Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:editor_list	
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:editor_list 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
Source	<code><xs:element name="editor_list" type="pds:editor_list" minOccurs="0" maxOccurs="1"> </xs:element></code>	

Element pds:Document / pds:acknowledgement_text

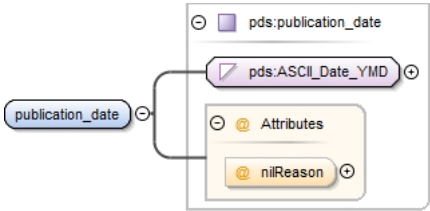
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:acknowledgement_text	
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:acknowledgement_text 	
Properties	content:	simple

	minOccurs: 0
	maxOccurs: 1
Facets	minLength 1
	pattern \p{IsBasicLatin}*
Source	<code><xs:element name="acknowledgement_text" type="pds:acknowledgement_text" minOccurs="0" maxOccurs="1"> </xs:element></code>

Element pds:Document / pds:copyright

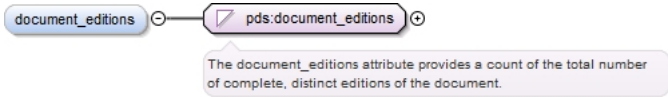
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:copyright						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Text_Preserved pds:copyright 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	minLength 1						
	pattern \p{IsBasicLatin}*						
Source	<code><xs:element name="copyright" type="pds:copyright" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Document / pds:publication_date

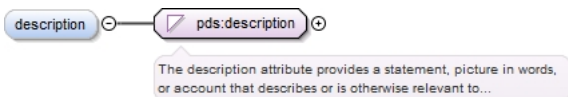
Namespace	http://pds.nasa.gov/pds4/pds/v1								
Diagram									
Type	pds:publication_date								
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Date_YMD pds:publication_date 								
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> <tr> <td>nillable:</td> <td>true</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1	nillable:	true
content:	complex								
minOccurs:	1								
maxOccurs:	1								
nillable:	true								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>nilReason</td> <td>pds:nil_reason</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	nilReason	pds:nil_reason	optional		
QName	Type	Use							
nilReason	pds:nil_reason	optional							
Source	<code><xs:element name="publication_date" nillable="true" type="pds:publication_date" minOccurs="1" maxOccurs="1"> </xs:element></code>								

Element pds:Document / pds:document_editions

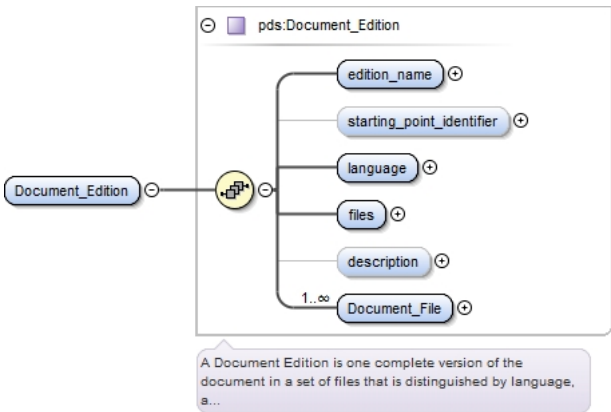
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:document_editions						
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:document_editions 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minInclusive</td> <td>1</td> </tr> </table>	minInclusive	1				
minInclusive	1						
Source	<pre><xs:element name="document_editions" type="pds:document_editions" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Document / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<pre><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Document / pds:Document_Edition

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Document_Edition						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						

Model	pds:edition_name , pds:starting_point_identifier{0,1} , pds:language , pds:files , pds:description{0,1} , pds:Document_File+
Children	pds:Document_File, pds:description, pds:edition_name, pds:files, pds:language, pds:starting_point_identifier
Instance	<pre><pds:Document_Edition xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:edition_name>{1,1}</pds:edition_name> <pds:starting_point_identifier>{0,1}</pds:starting_point_identifier> <pds:language>{1,1}</pds:language> <pds:files>{1,1}</pds:files> <pds:description>{0,1}</pds:description> <pds:Document_File>{1,unbounded}</pds:Document_File> </pds:Document_Edition></pre>
Source	<pre><xs:element name="Document_Edition" type="pds:Document_Edition" minOccurs="1" maxOccurs="unbounded"> </xs:element></pre>

Element pds:Document_Edition / pds:edition_name

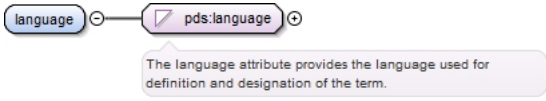
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:edition_name						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:UTF8_Short_String_Collapsed pds:edition_name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<pre><xs:element name="edition_name" type="pds:edition_name" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Document_Edition / pds:starting_point_identifier

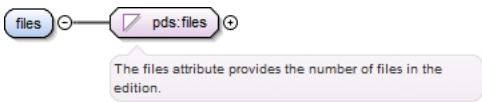
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:starting_point_identifier						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:starting_point_identifier 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="starting_point_identifier" type="pds:starting_point_identifier" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Document_Edition / pds:language

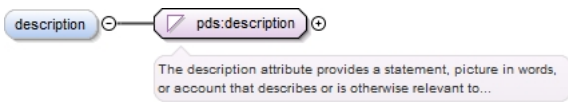
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:language						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:language 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>1</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>maxLength</td><td>255</td></tr> <tr><td>pattern</td><td>\p{IsBasicLatin}*</td></tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="language" type="pds:language" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Document_Edition / pds:files

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:files						
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:files 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>1</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minInclusive</td><td>1</td></tr> </table>	minInclusive	1				
minInclusive	1						
Source	<code><xs:element name="files" type="pds:files" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Document_Edition / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> </table>	minLength	1				
minLength	1						
Source	<code><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"></code>						

</xs:element>

Element pds:Document_Edition / pds:Document_File

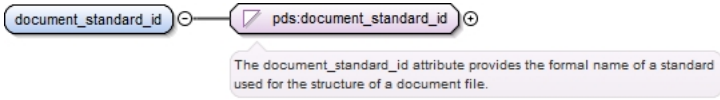
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The File class consists of attributes that describe a file in a data store.</p> <p>The Document File class describes a file which is a part of a document.</p>						
Type	pds:Document_File						
Type hierarchy	<ul style="list-style-type: none"> pds:File pds:Document_File 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	pds:file_name , pds:local_identifier{0,1} , pds:creation_date_time{0,1} , pds:file_size{0,1} , pds:records{0,1} , pds:md5_checksum{0,1} , pds:comment{0,1} , pds:directory_path_name{0,1} , pds:document_standard_id						
Children	pds:comment, pds:creation_date_time, pds:directory_path_name, pds:document_standard_id, pds:file_name, pds:file_size, pds:local_identifier, pds:md5_checksum, pds:records						
Instance	<pre><pds:Document_File xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:file_name>{1,1}</pds:file_name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:creation_date_time>{0,1}</pds:creation_date_time> <pds:file_size unit="">{0,1}</pds:file_size> <pds:records>{0,1}</pds:records> <pds:md5_checksum>{0,1}</pds:md5_checksum> <pds:comment>{0,1}</pds:comment> <pds:directory_path_name>{0,1}</pds:directory_path_name> <pds:document_standard_id>{1,1}</pds:document_standard_id> </pds:Document_File></pre>						
Source	<xs:element name="Document_File" type="pds:Document_File" minOccurs="1" maxOccurs="unbounded"></xs:element>						

Element pds:Document_File / pds:directory_path_name

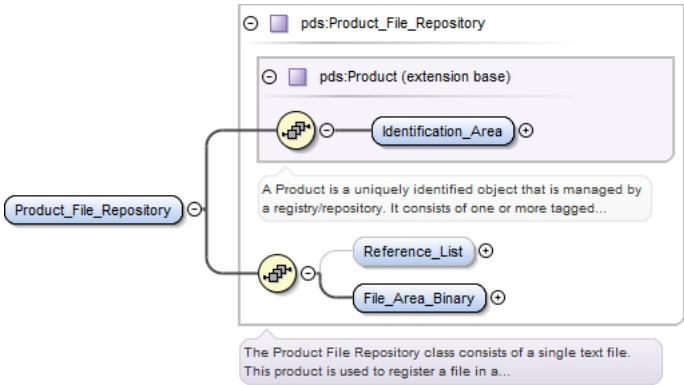
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	<p>The directory_path_name attribute provides a sequence of names that locates a directory in a hierarchy of directories.</p>
Type	pds:directory_path_name
Type hierarchy	<ul style="list-style-type: none"> xs:token

	<ul style="list-style-type: none"> • pds:ASCII_Short_String_Collapsed • pds:directory_path_name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="directory_path_name" type="pds:directory_path_name" minOccurs="0" maxOccurs="1"></xs:element></code>						

Element pds:Document_File / pds:document_standard_id

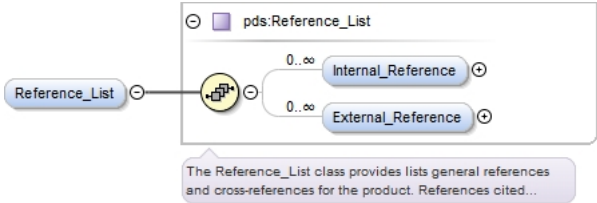
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:document_standard_id						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:document_standard_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="document_standard_id" type="pds:document_standard_id" minOccurs="1" maxOccurs="1"></xs:element></code>						

Element pds:Product_File_Repository

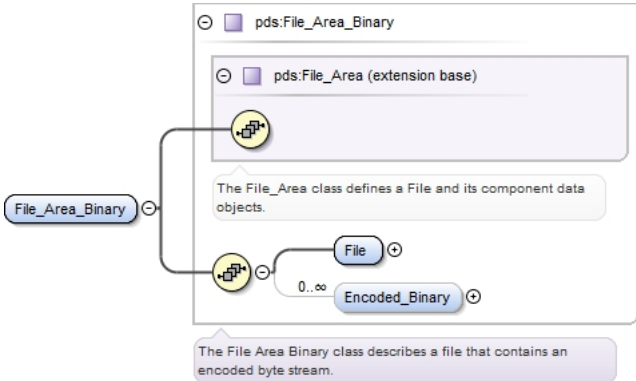
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:Product_File_Repository		
Type hierarchy	<ul style="list-style-type: none"> • pds:Product • pds:Product_File_Repository 		
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> </table>	content:	complex
content:	complex		
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:File_Area_Binary		

Children	pds:File_Area_Binary, pds:Identification_Area, pds:Reference_List
Instance	<code><pds:Product_File_Repository xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Identification_Area>{1,1}</pds:Identification_Area> <pds:Reference_List>{0,1}</pds:Reference_List> <pds:File_Area_Binary>{1,1}</pds:File_Area_Binary> </pds:Product_File_Repository></code>
Source	<code><xs:element name="Product_File_Repository" type="pds:Product_File_Repository"> </xs:element></code>

Element pds:Product_File_Repository / pds:Reference_List

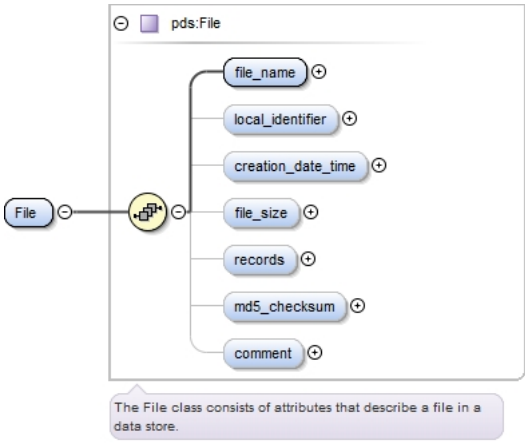
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Reference_List						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:Internal_Reference*, pds:External_Reference*						
Children	pds:External_Reference, pds:Internal_Reference						
Instance	<code><pds:Reference_List xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Internal_Reference>{0, unbounded}</pds:Internal_Reference> <pds:External_Reference>{0, unbounded}</pds:External_Reference> </pds:Reference_List></code>						
Source	<code><xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Product_File_Repository / pds:File_Area_Binary

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:File_Area_Binary						
Type hierarchy	<ul style="list-style-type: none"> pds:File_Area pds:File_Area_Binary 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:File, pds:Encoded_Binary*						
Children	pds:Encoded_Binary, pds:File						
Instance	<code><pds:File_Area_Binary xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"></code>						

	<pre><pds:File>{1,1}</pds:File> <pds:Encoded_Binary>{0,unbounded}</pds:Encoded_Binary> </pds:File_Area_Binary></pre>
Source	<pre><xs:element name="File_Area_Binary" type="pds:File_Area_Binary" minOccurs="1" maxOccurs="1"> </xs:element></pre>

Element pds:File_Area_Binary / pds:File

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	 <pre>classDiagram class pds:File { file_name local_identifier creation_date_time file_size records md5_checksum comment }</pre> <p>The File class consists of attributes that describe a file in a data store.</p>						
Type	pds:File						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:file_name , pds:local_identifier{0,1} , pds:creation_date_time{0,1} , pds:file_size{0,1} , pds:records{0,1} , pds:md5_checksum{0,1} , pds:comment{0,1}						
Children	pds:comment, pds:creation_date_time, pds:file_name, pds:file_size, pds:local_identifier, pds:md5_checksum, pds:records						
Instance	<pre><pds:File xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:file_name>{1,1}</pds:file_name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:creation_date_time>{0,1}</pds:creation_date_time> <pds:file_size unit="">{0,1}</pds:file_size> <pds:records>{0,1}</pds:records> <pds:md5_checksum>{0,1}</pds:md5_checksum> <pds:comment>{0,1}</pds:comment> </pds:File></pre>						
Source	<pre><xs:element name="File" type="pds:File" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:File_Area_Binary / pds:Encoded_Binary

Namespace	http://pds.nasa.gov/pds4/pds/v1
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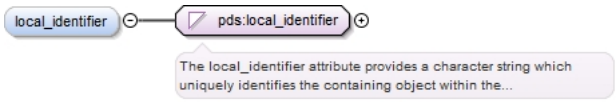
Diagram							
Type	pds:Encoded_Binary						
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Encoded_Byte_Stream • pds:Encoded_Binary 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:encoding_standard_id , pds:description{0,1}						
Children	pds:description, pds:encoding_standard_id, pds:local_identifier, pds:name, pds:object_length, pds:offset						
Instance	<pre><pds:Encoded_Binary xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:object_length unit="">{0,1}</pds:object_length> <pds:encoding_standard_id>{1,1}</pds:encoding_standard_id> <pds:description>{0,1}</pds:description> </pds:Encoded_Binary></pre>						
Source	<pre><xs:element name="Encoded_Binary" type="pds:Encoded_Binary" minOccurs="0" maxOccurs="unbounded"> </xs:element></pre>						

Element pds:Encoded_Binary / pds:name

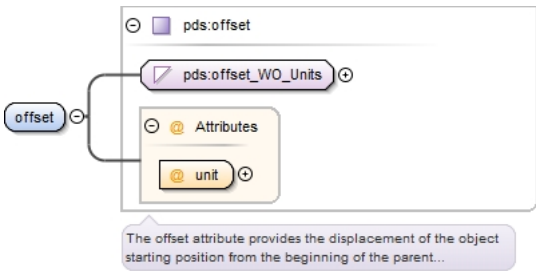
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:name

Type hierarchy	<ul style="list-style-type: none"> xs:token pds:UTF8_Short_String_Collapsed <ul style="list-style-type: none"> pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<code><xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:Encoded_Binary / pds:local_identifier

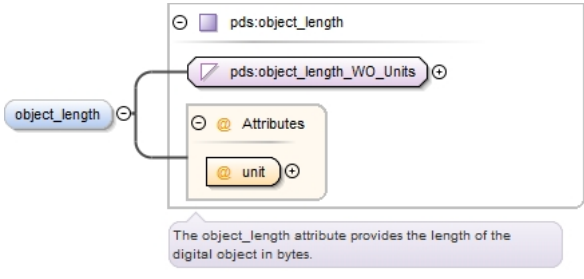
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:local_identifier						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> pds:local_identifier 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:Encoded_Binary / pds:offset

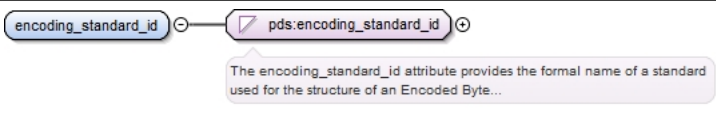
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:offset						
Type hierarchy	<ul style="list-style-type: none"> xs:integer pds:ASCII_Integer <ul style="list-style-type: none"> pds:offset_WO_Units <ul style="list-style-type: none"> pds:offset 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						

Attributes	QName	Type	Use	
	unit	pds:Units_of_Storage	required	
Source	<code><xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>			

Element pds:Encoded_Binary / pds:object_length

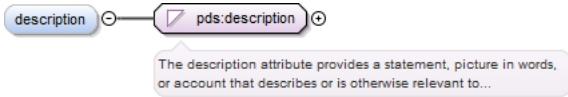
Namespace	http://pds.nasa.gov/pds4/pds/v1			
Diagram				
Type	pds:object_length			
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer <ul style="list-style-type: none"> • pds:object_length_WO_Units • pds:object_length 			
Properties	content:	complex		
	minOccurs:	0		
	maxOccurs:	1		
Attributes	QName	Type	Use	
	unit	pds:Units_of_Storage	required	
Source	<code><xs:element name="object_length" type="pds:object_length" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>			

Element pds:Encoded_Binary / pds:encoding_standard_id

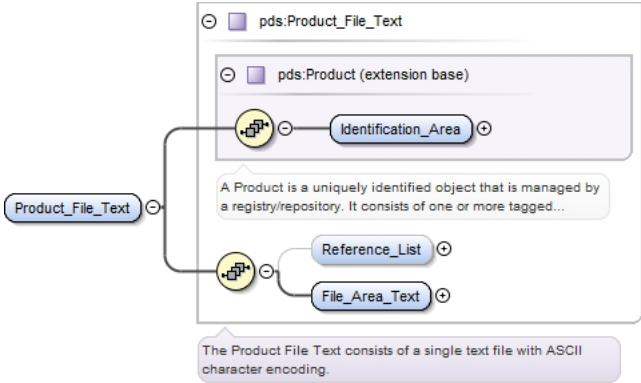
Namespace	http://pds.nasa.gov/pds4/pds/v1			
Diagram				
Type	pds:encoding_standard_id			
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> • pds:encoding_standard_id 			
Properties	content:	simple		
	minOccurs:	1		
	maxOccurs:	1		
Facets	minLength	1		
	maxLength	255		
	pattern	\p{IsBasicLatin}*		
Source	<code><xs:element name="encoding_standard_id" type="pds:encoding_standard_id" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>			

Element pds:Encoded_Binary / pds:description

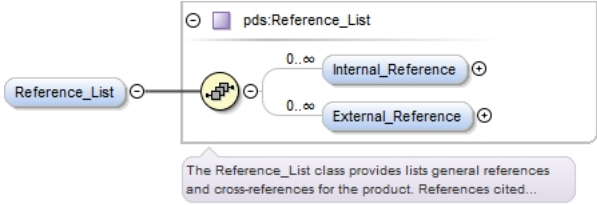
Namespace	http://pds.nasa.gov/pds4/pds/v1			
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Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<pre><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_File_Text

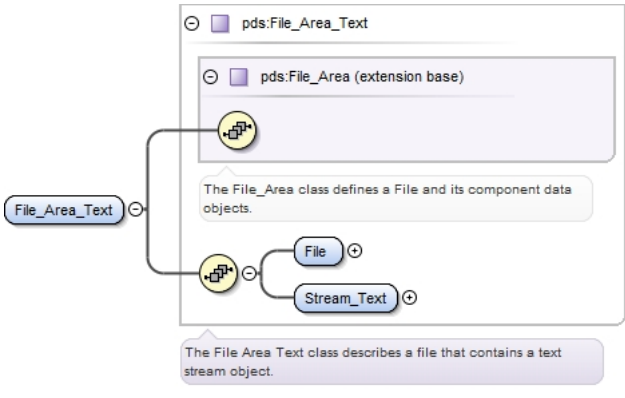
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Product_File_Text
Type hierarchy	<ul style="list-style-type: none"> • pds:Product • pds:Product_File_Text
Properties	content: complex
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:File_Area_Text
Children	pds:File_Area_Text, pds:Identification_Area, pds:Reference_List
Instance	<pre><pds:Product_File_Text xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Identification_Area>{1,1}</pds:Identification_Area> <pds:Reference_List>{0,1}</pds:Reference_List> <pds:File_Area_Text>{1,1}</pds:File_Area_Text> </pds:Product_File_Text></pre>
Source	<pre><xs:element name="Product_File_Text" type="pds:Product_File_Text"> </xs:element></pre>

Element pds:Product_File_Text / pds:Reference_List

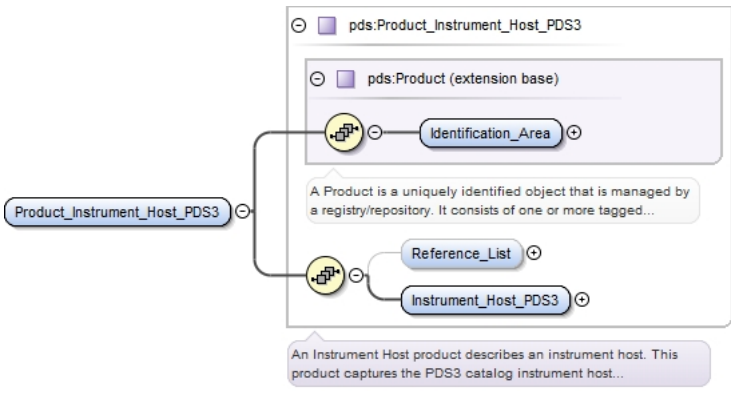
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Reference_List
Properties	content: complex

	minOccurs: 0
	maxOccurs: 1
Model	pds:Internal_Reference*, pds:External_Reference*
Children	pds:External_Reference, pds:Internal_Reference
Instance	<code><pds:Reference_List xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Internal_Reference>{0,unbounded}</pds:Internal_Reference> <pds:External_Reference>{0,unbounded}</pds:External_Reference> </pds:Reference_List></code>
Source	<code><xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element></code>

Element pds:Product_File_Text / pds:File_Area_Text

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:File_Area_Text						
Type hierarchy	<ul style="list-style-type: none"> pds:File_Area pds:File_Area_Text 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:File , pds:Stream_Text						
Children	pds:File, pds:Stream_Text						
Instance	<code><pds:File_Area_Text xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:File>{1,1}</pds:File> <pds:Stream_Text>{1,1}</pds:Stream_Text> </pds:File_Area_Text></code>						
Source	<code><xs:element name="File_Area_Text" type="pds:File_Area_Text" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Product_Instrument_Host_PDS3

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Product_Instrument_Host_PDS3

Type hierarchy	<ul style="list-style-type: none"> • pds:Product • pds:Product_Instrument_Host_PDS3
Properties	content: complex
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:Instrument_Host_PDS3
Children	pds:Identification_Area, pds:Instrument_Host_PDS3, pds:Reference_List
Instance	<pre><pds:Product_Instrument_Host_PDS3 xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Identification_Area>{1,1}</pds:Identification_Area> <pds:Reference_List>{0,1}</pds:Reference_List> <pds:Instrument_Host_PDS3>{1,1}</pds:Instrument_Host_PDS3> </pds:Product_Instrument_Host_PDS3></pre>
Source	<pre><xs:element name="Product_Instrument_Host_PDS3" type="pds:Product_Instrument_Host_PDS3"> </xs:element></pre>

Element pds:Product_Instrument_Host_PDS3 / pds:Reference_List

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Reference_List						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:Internal_Reference*, pds:External_Reference*						
Children	pds:External_Reference, pds:Internal_Reference						
Instance	<pre><pds:Reference_List xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Internal_Reference>{0,unbounded}</pds:Internal_Reference> <pds:External_Reference>{0,unbounded}</pds:External_Reference> </pds:Reference_List></pre>						
Source	<pre><xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_Instrument_Host_PDS3 / pds:Instrument_Host_PDS3

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Instrument_Host_PDS3						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:instrument_host_name , pds:instrument_host_desc , pds:instrument_host_id , pds:instrument_host_type						
Children	pds:instrument_host_desc, pds:instrument_host_id, pds:instrument_host_name, pds:instrument_host_type						
Instance	<pre><pds:Instrument_Host_PDS3 xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:instrument_host_name>{1,1}</pds:instrument_host_name> <pds:instrument_host_desc>{1,1}</pds:instrument_host_desc> </pds:Instrument_Host_PDS3></pre>						

	<pre><pds:instrument_host_id>{1,1}</pds:instrument_host_id> <pds:instrument_host_type>{1,1}</pds:instrument_host_type> </pds:Instrument_Host_PDS3></pre>
Source	<pre><xs:element name="Instrument_Host_PDS3" type="pds:Instrument_Host_PDS3" minOccurs="1" maxOccurs="1"> </xs:element></pre>

Element `pds:Instrument_Host_PDS3 / pds:instrument_host_name`

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:instrument_host_name						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:instrument_host_name 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>1</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>maxLength</td><td>255</td></tr> <tr><td>pattern</td><td>\p{IsBasicLatin}*</td></tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="instrument_host_name" type="pds:instrument_host_name" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element `pds:Instrument_Host_PDS3 / pds:instrument_host_desc`

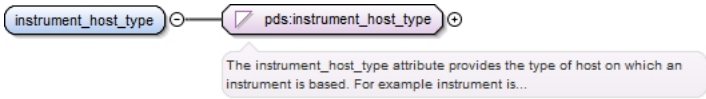
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:instrument_host_desc						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Text_Preserved pds:instrument_host_desc 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>1</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>pattern</td><td>\p{IsBasicLatin}*</td></tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*		
minLength	1						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="instrument_host_desc" type="pds:instrument_host_desc" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element `pds:Instrument_Host_PDS3 / pds:instrument_host_id`

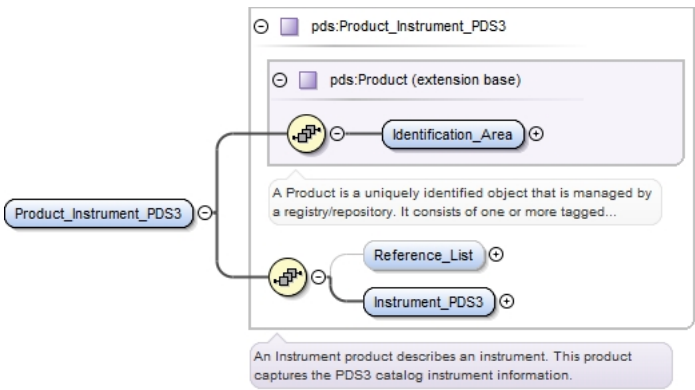
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:instrument_host_id
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:instrument_host_id

Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="instrument_host_id" type="pds:instrument_host_id" minOccurs="1" maxOccurs="1"> </xs:element></code>	

Element pds:Instrument_Host_PDS3 / pds:instrument_host_type

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:instrument_host_type	
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:instrument_host_type 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="instrument_host_type" type="pds:instrument_host_type" minOccurs="1" maxOccurs="1"> </xs:element></code>	

Element pds:Product_Instrument_PDS3

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:Product_Instrument_PDS3	
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_Instrument_PDS3 	
Properties	content:	complex
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:Instrument_PDS3	
Children	pds:Identification_Area, pds:Instrument_PDS3, pds:Reference_List	
Instance	<pre><pds:Product_Instrument_PDS3 xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Identification_Area>{1,1}</pds:Identification_Area> <pds:Reference_List>{0,1}</pds:Reference_List> <pds:Instrument_PDS3>{1,1}</pds:Instrument_PDS3></pre>	

	<code></pds:Product_Instrument_PDS3></code>
Source	<code><xs:element name="Product_Instrument_PDS3" type="pds:Product_Instrument_PDS3" > </xs:element></code>

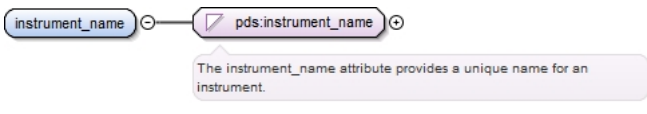
Element pds:Product_Instrument_PDS3 / pds:Reference_List

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The Reference_List class provides lists general references and cross-references for the product. References cited...</p>						
Type	pds:Reference_List						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:Internal_Reference* , pds:External_Reference*						
Children	pds:External_Reference, pds:Internal_Reference						
Instance	<code><pds:Reference_List xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Internal_Reference>{0,unbounded}</pds:Internal_Reference> <pds:External_Reference>{0,unbounded}</pds:External_Reference> </pds:Reference_List></code>						
Source	<code><xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element></code>						

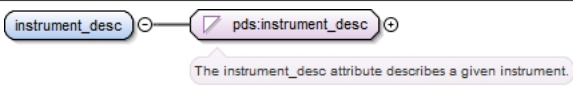
Element pds:Product_Instrument_PDS3 / pds:Instrument_PDS3

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The Instrument class provides a description of a physical object that collects data. This class captures the PDS3...</p>						
Type	pds:Instrument_PDS3						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:instrument_name , pds:instrument_desc , pds:instrument_id , pds:instrument_serial_number , pds:instrument_type , pds:instrument_version_id						
Children	pds:instrument_desc, pds:instrument_id, pds:instrument_name, pds:instrument_serial_number, pds:instrument_type, pds:instrument_version_id						
Instance	<code><pds:Instrument_PDS3 xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:instrument_name>{1,1}</pds:instrument_name> <pds:instrument_desc>{1,1}</pds:instrument_desc> <pds:instrument_id>{1,1}</pds:instrument_id> <pds:instrument_serial_number>{1,1}</pds:instrument_serial_number> <pds:instrument_type>{1,1}</pds:instrument_type> <pds:instrument_version_id>{1,1}</pds:instrument_version_id> </pds:Instrument_PDS3></code>						
Source	<code><xs:element name="Instrument_PDS3" type="pds:Instrument_PDS3" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Instrument_PDS3 / pds:instrument_name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:instrument_name						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:instrument_name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="instrument_name" type="pds:instrument_name" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Instrument_PDS3 / pds:instrument_desc

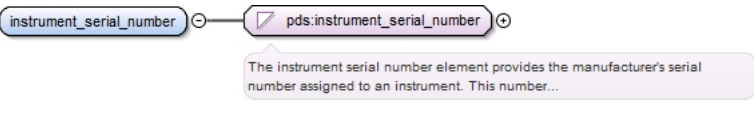
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:instrument_desc						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:instrument_desc 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*		
minLength	1						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="instrument_desc" type="pds:instrument_desc" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Instrument_PDS3 / pds:instrument_id

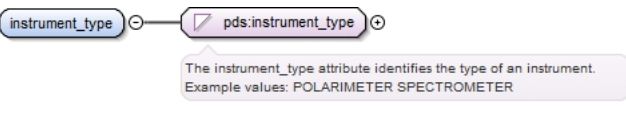
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:instrument_id						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:instrument_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						

Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="instrument_id" type="pds:instrument_id" minOccurs="1" maxOccurs="1"> </xs:element></code>	

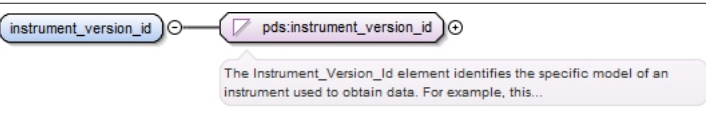
Element pds:Instrument_PDS3 / pds:instrument_serial_number

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:instrument_serial_number	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:instrument_serial_number 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="instrument_serial_number" type="pds:instrument_serial_number" minOccurs="1" maxOccurs="1"> </xs:element></code>	

Element pds:Instrument_PDS3 / pds:instrument_type

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:instrument_type	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:instrument_type 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="instrument_type" type="pds:instrument_type" minOccurs="1" maxOccurs="1"> </xs:element></code>	

Element pds:Instrument_PDS3 / pds:instrument_version_id

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:instrument_version_id	

Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:instrument_version_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="instrument_version_id" type="pds:instrument_version_id" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_Mission_PDS3

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	<p>The diagram illustrates the structure of the <code>pds:Product_Mission_PDS3</code> element. It is a complex type that extends the <code>pds:Product</code> type. The <code>pds:Product</code> type is described as "A Product is a uniquely identified object that is managed by a registry/repository. It consists of one or more tagged...". The <code>pds:Product_Mission_PDS3</code> type is described as "An Mission product describes a mission. This product captures the PDS3 catalog mission information." The diagram shows the following components: <ul style="list-style-type: none"> <code>Identification_Area</code>: Required (1..1) <code>Reference_List</code>: Optional (0..1) <code>Mission_PDS3</code>: Required (1..1) </p>
Type	pds:Product_Mission_PDS3
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_Mission_PDS3
Properties	content: complex
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:Mission_PDS3
Children	pds:Identification_Area, pds:Mission_PDS3, pds:Reference_List
Instance	<pre><pds:Product_Mission_PDS3 xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Identification_Area>{1,1}</pds:Identification_Area> <pds:Reference_List>{0,1}</pds:Reference_List> <pds:Mission_PDS3>{1,1}</pds:Mission_PDS3> </pds:Product_Mission_PDS3></pre>
Source	<pre><xs:element name="Product_Mission_PDS3" type="pds:Product_Mission_PDS3"> </xs:element></pre>

Element pds:Product_Mission_PDS3 / pds:Reference_List

Namespace	http://pds.nasa.gov/pds4/pds/v1				
Diagram	<p>The diagram illustrates the structure of the <code>pds:Reference_List</code> element. It is a complex type that contains the following components: <ul style="list-style-type: none"> <code>Internal_Reference</code>: Optional (0..∞) <code>External_Reference</code>: Optional (0..∞) </p> <p>The diagram also includes a description: "The Reference_List class provides lists general references and cross-references for the product. References cited..."</p>				
Type	pds:Reference_List				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				

	maxOccurs: 1
Model	pds:Internal_Reference*, pds:External_Reference*
Children	pds:External_Reference, pds:Internal_Reference
Instance	<pre><pds:Reference_List xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Internal_Reference>{0,unbounded}</pds:Internal_Reference> <pds:External_Reference>{0,unbounded}</pds:External_Reference> </pds:Reference_List></pre>
Source	<pre><xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element></pre>

Element pds:Product_Mission_PDS3 / pds:Mission_PDS3

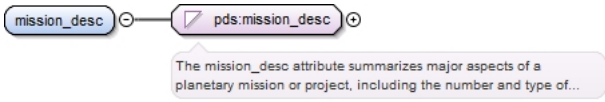
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Mission_PDS3						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:mission_name , pds:mission_desc , pds:mission_objectives_summary , pds:mission_start_date , pds:mission_stop_date						
Children	pds:mission_desc, pds:mission_name, pds:mission_objectives_summary, pds:mission_start_date, pds:mission_stop_date						
Instance	<pre><pds:Mission_PDS3 xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:mission_name>{1,1}</pds:mission_name> <pds:mission_desc>{1,1}</pds:mission_desc> <pds:mission_objectives_summary>{1,1}</pds:mission_objectives_summary> <pds:mission_start_date>{1,1}</pds:mission_start_date> <pds:mission_stop_date>{1,1}</pds:mission_stop_date> </pds:Mission_PDS3></pre>						
Source	<pre><xs:element name="Mission_PDS3" type="pds:Mission_PDS3" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Mission_PDS3 / pds:mission_name

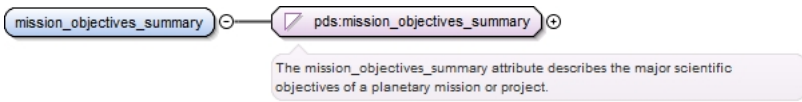
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:mission_name						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:mission_name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						

Source	<pre><xs:element name="mission_name" type="pds:mission_name" minOccurs="1" maxOccurs="1"> </xs:element></pre>
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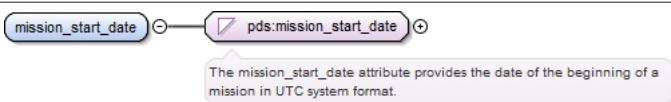
Element pds:Mission_PDS3 / pds:mission_desc

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:mission_desc						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:mission_desc 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*		
minLength	1						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="mission_desc" type="pds:mission_desc" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Mission_PDS3 / pds:mission_objectives_summary

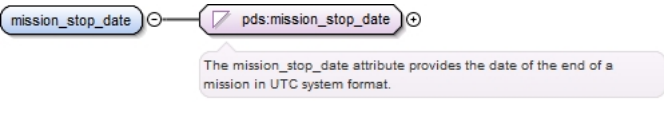
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:mission_objectives_summary						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:mission_objectives_summary 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*		
minLength	1						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="mission_objectives_summary" type="pds:mission_objectives_summary" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Mission_PDS3 / pds:mission_start_date

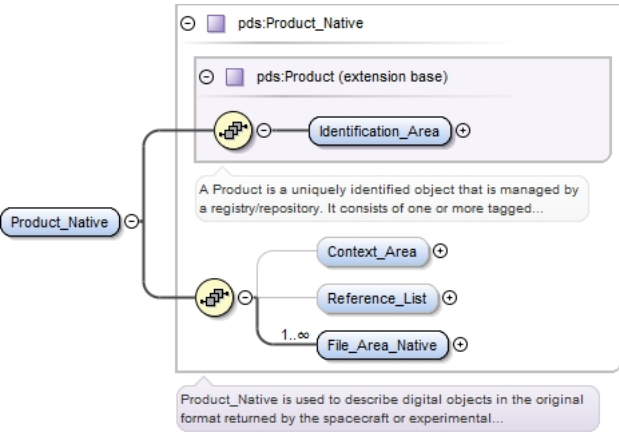
Namespace	http://pds.nasa.gov/pds4/pds/v1				
Diagram					
Type	pds:mission_start_date				
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:mission_start_date 				
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1
content:	simple				
minOccurs:	1				

	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="mission_start_date" type="pds:mission_start_date" minOccurs="1" maxOccurs="1"></xs:element></code>	

Element pds:Mission_PDS3 / pds:mission_stop_date

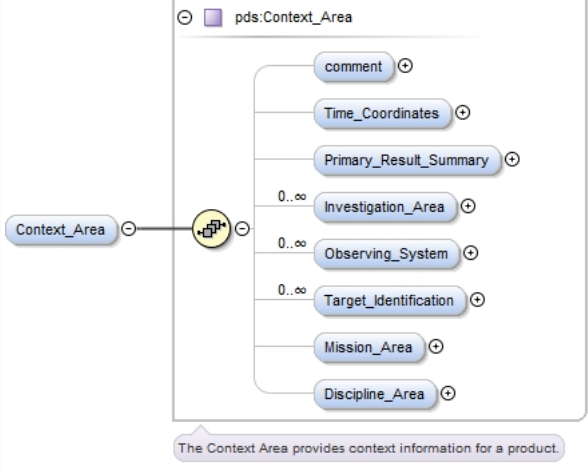
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:mission_stop_date	
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:mission_stop_date 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="mission_stop_date" type="pds:mission_stop_date" minOccurs="1" maxOccurs="1"></xs:element></code>	

Element pds:Product_Native

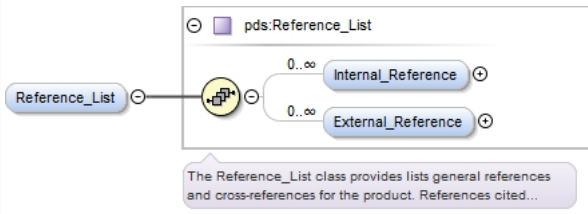
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:Product_Native	
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_Native 	
Properties	content:	complex
Model	pds:Identification_Area , pds:Context_Area{0,1} , pds:Reference_List{0,1} , pds:File_Area_Native+	
Children	pds:Context_Area, pds:File_Area_Native, pds:Identification_Area, pds:Reference_List	
Instance	<pre><pds:Product_Native xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Identification_Area>{1,1}</pds:Identification_Area> <pds:Context_Area>{0,1}</pds:Context_Area> <pds:Reference_List>{0,1}</pds:Reference_List> <pds:File_Area_Native>{1,unbounded}</pds:File_Area_Native></pre>	

	<code></pds:Product_Native></code>
Source	<code><xs:element name="Product_Native" type="pds:Product_Native"> </xs:element></code>

Element pds:Product_Native / pds:Context_Area

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Context_Area						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:comment{0,1} , pds:Time_Coordinates{0,1} , pds:Primary_Result_Summary{0,1} , pds:Investigation_Area* , pds:Observing_System* , pds:Target_Identification* , pds:Mission_Area{0,1} , pds:Discipline_Area{0,1}						
Children	pds:Discipline_Area, pds:Investigation_Area, pds:Mission_Area, pds:Observing_System, pds:Primary_Result_Summary, pds:Target_Identification, pds:Time_Coordinates, pds:comment						
Instance	<pre><pds:Context_Area xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:comment>{0,1}</pds:comment> <pds:Time_Coordinates>{0,1}</pds:Time_Coordinates> <pds:Primary_Result_Summary>{0,1}</pds:Primary_Result_Summary> <pds:Investigation_Area>{0,unbounded}</pds:Investigation_Area> <pds:Observing_System>{0,unbounded}</pds:Observing_System> <pds:Target_Identification>{0,unbounded}</pds:Target_Identification> <pds:Mission_Area>{0,1}</pds:Mission_Area> <pds:Discipline_Area>{0,1}</pds:Discipline_Area> </pds:Context_Area></pre>						
Source	<code><xs:element name="Context_Area" type="pds:Context_Area" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Product_Native / pds:Reference_List

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Reference_List						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:Internal_Reference* , pds:External_Reference*						
Children	pds:External_Reference, pds:Internal_Reference						
Instance	<code><pds:Reference_List xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"></code>						

	<pre><pds:Internal_Reference>{0,unbounded}</pds:Internal_Reference> <pds:External_Reference>{0,unbounded}</pds:External_Reference> </pds:Reference_List></pre>
Source	<pre><xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element></pre>

Element pds:Product_Native / pds:File_Area_Native

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:File_Area_Native						
Type hierarchy	<ul style="list-style-type: none"> pds:File_Area pds:File_Area_Native 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	pds:File , (pds:Encoded_Native)						
Children	pds:Encoded_Native, pds:File						
Instance	<pre><pds:File_Area_Native xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:File>{1,1}</pds:File> <pds:Encoded_Native>{1,1}</pds:Encoded_Native> </pds:File_Area_Native></pre>						
Source	<pre><xs:element name="File_Area_Native" type="pds:File_Area_Native" minOccurs="1" maxOccurs="unbounded"> </xs:element></pre>						

Element pds:File_Area_Native / pds:File

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:File						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						

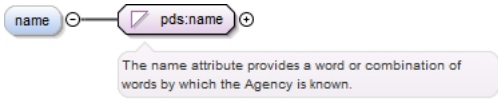
Model	pds:file_name , pds:local_identifier{0,1} , pds:creation_date_time{0,1} , pds:file_size{0,1} , pds:records{0,1} , pds:md5_checksum{0,1} , pds:comment{0,1}
Children	pds:comment, pds:creation_date_time, pds:file_name, pds:file_size, pds:local_identifier, pds:md5_checksum, pds:records
Instance	<pre><pds:File xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:file_name>{1,1}</pds:file_name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:creation_date_time>{0,1}</pds:creation_date_time> <pds:file_size unit="">{0,1}</pds:file_size> <pds:records>{0,1}</pds:records> <pds:md5_checksum>{0,1}</pds:md5_checksum> <pds:comment>{0,1}</pds:comment> </pds:File></pre>
Source	<pre><xs:element name="File" type="pds:File" minOccurs="1" maxOccurs="1"> </xs:element></pre>

Element pds:File_Area_Native / pds:Encoded_Native

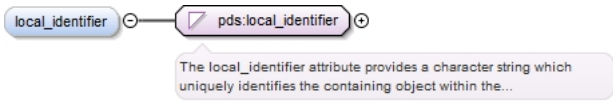
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Encoded_Native
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Encoded_Byte_Stream • pds:Encoded_Native
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:encoding_standard_id , pds:description{0,1}
Children	pds:description, pds:encoding_standard_id, pds:local_identifier, pds:name, pds:object_length, pds:offset
Instance	<pre><pds:Encoded_Native xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:object_length unit="">{0,1}</pds:object_length> <pds:encoding_standard_id>{1,1}</pds:encoding_standard_id></pre>

	<code><pds:description>{0,1}</pds:description> </pds:Encoded_Native></code>
Source	<code><xs:element name="Encoded_Native" type="pds:Encoded_Native"> </xs:element></code>

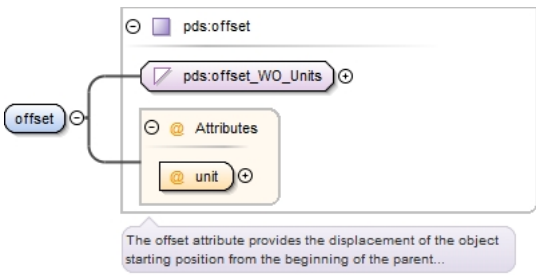
Element pds:Encoded_Native / pds:name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:UTF8_Short_String_Collapsed pds:name 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>maxLength</td><td>255</td></tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<code><xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Encoded_Native / pds:local_identifier

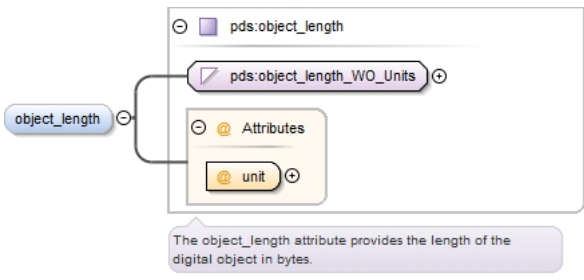
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:local_identifier						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:local_identifier 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>maxLength</td><td>255</td></tr> <tr><td>pattern</td><td>\p{IsBasicLatin}*</td></tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Encoded_Native / pds:offset

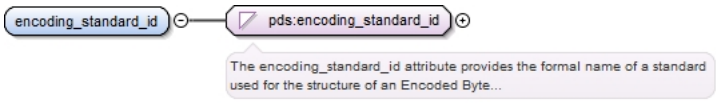
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	

Type	pds:offset		
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:offset_WO_Units • pds:offset 		
Properties	content:	complex	
	minOccurs:	1	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Storage	required
Source	<pre><xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1"> </xs:element></pre>		

Element pds:Encoded_Native / pds:object_length

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:object_length		
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:object_length_WO_Units • pds:object_length 		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Storage	required
Source	<pre><xs:element name="object_length" type="pds:object_length" minOccurs="0" maxOccurs="1"> </xs:element></pre>		

Element pds:Encoded_Native / pds:encoding_standard_id

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:encoding_standard_id		
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:encoding_standard_id 		
Properties	content:	simple	
	minOccurs:	1	

	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="encoding_standard_id" type="pds:encoding_standard_id" minOccurs="1" maxOccurs="1"> </xs:element></code>	

Element pds:Encoded_Native / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:description	
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
Source	<code><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element></code>	

Element pds:Product_Observational

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:Product_Observational	
Type hierarchy	<ul style="list-style-type: none"> • pds:Product • pds:Product_Observational 	
Properties	content:	complex
Model	pds:Identification_Area , pds:Observation_Area , pds:Reference_List{0,1} , pds:File_Area_Observational+ , pds:File_Area_Observational_Supplemental*	
Children	pds:File_Area_Observational, pds:File_Area_Observational_Supplemental, pds:Identification_Area, pds:Observation_Area, pds:Reference_List	
Instance	<pre><pds:Product_Observational xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Identification_Area>{1,1}</pds:Identification_Area> <pds:Observation_Area>{1,1}</pds:Observation_Area></pre>	

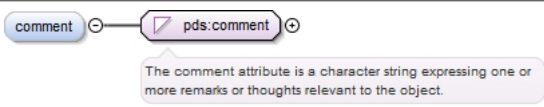
	<pre><pds:Reference_List>{0,1}</pds:Reference_List> <pds:File_Area_Observational>{1,unbounded}</pds:File_Area_Observational> <pds:File_Area_Observational_Supplemental>{0,unbounded}</pds:File_Area_Observational_Supplemental> </pds:Product_Observational></pre>
Source	<pre><xs:element name="Product_Observational" type="pds:Product_Observational"> </xs:element></pre>

Element pds:Product_Observational / pds:Observation_Area

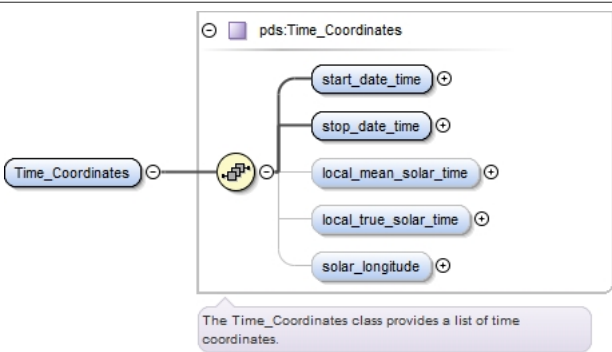
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Observation_Area						
Type hierarchy	<ul style="list-style-type: none"> • pds:Context_Area • pds:Observation_Area 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:comment{0,1} , pds:Time_Coordinates , pds:Primary_Result_Summary{0,1} , pds:Investigation_Area+ , pds:Observing_System+ , pds:Target_Identification+ , pds:Mission_Area{0,1} , pds:Discipline_Area{0,1}						
Children	pds:Discipline_Area, pds:Investigation_Area, pds:Mission_Area, pds:Observing_System, pds:Primary_Result_Summary, pds:Target_Identification, pds:Time_Coordinates, pds:comment						
Instance	<pre><pds:Observation_Area xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:comment>{0,1}</pds:comment> <pds:Time_Coordinates>{1,1}</pds:Time_Coordinates> <pds:Primary_Result_Summary>{0,1}</pds:Primary_Result_Summary> <pds:Investigation_Area>{1,unbounded}</pds:Investigation_Area> <pds:Observing_System>{1,unbounded}</pds:Observing_System> <pds:Target_Identification>{1,unbounded}</pds:Target_Identification> <pds:Mission_Area>{0,1}</pds:Mission_Area> <pds:Discipline_Area>{0,1}</pds:Discipline_Area></pre>						

	<code></pds:Observation_Area></code>
Source	<code><xs:element name="Observation_Area" type="pds:Observation_Area" minOccurs="1" maxOccurs="1"> </xs:element></code>

Element pds:Observation_Area / pds:comment

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:comment						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Text_Preserved pds:comment 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>pattern</td><td>\p{IsBasicLatin}*</td></tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*		
minLength	1						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="comment" type="pds:comment" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Observation_Area / pds:Time_Coordinates

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Time_Coordinates						
Properties	<table border="1"> <tr><td>content:</td><td>complex</td></tr> <tr><td>minOccurs:</td><td>1</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:start_date_time , pds:stop_date_time , pds:local_mean_solar_time{0,1} , pds:local_true_solar_time{0,1} , pds:solar_longitude{0,1}						
Children	pds:local_mean_solar_time, pds:local_true_solar_time, pds:solar_longitude, pds:start_date_time, pds:stop_date_time						
Instance	<pre><pds:Time_Coordinates xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:start_date_time nilReason="">{1,1}</pds:start_date_time> <pds:stop_date_time nilReason="">{1,1}</pds:stop_date_time> <pds:local_mean_solar_time>{0,1}</pds:local_mean_solar_time> <pds:local_true_solar_time>{0,1}</pds:local_true_solar_time> <pds:solar_longitude unit="">{0,1}</pds:solar_longitude> </pds:Time_Coordinates></pre>						
Source	<code><xs:element name="Time_Coordinates" type="pds:Time_Coordinates" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Observation_Area / pds:Primary_Result_Summary

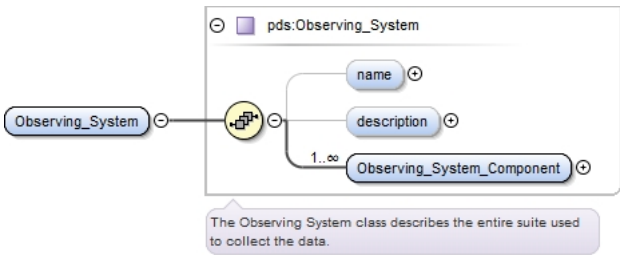
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:Primary_Result_Summary						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:type{0,1} , pds:purpose , pds:data_regime* , pds:processing_level , pds:processing_level_id{0,1} , pds:description{0,1} , pds:Science_Facets*						
Children	pds:Science_Facets, pds:data_regime, pds:description, pds:processing_level, pds:processing_level_id, pds:purpose, pds:type						
Instance	<pre><pds:Primary_Result_Summary xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:type>{0,1}</pds:type> <pds:purpose>{1,1}</pds:purpose> <pds:data_regime>{0,unbounded}</pds:data_regime> <pds:processing_level>{1,1}</pds:processing_level> <pds:processing_level_id>{0,1}</pds:processing_level_id> <pds:description>{0,1}</pds:description> <pds:Science_Facets>{0,unbounded}</pds:Science_Facets> </pds:Primary_Result_Summary></pre>						
Source	<pre><xs:element name="Primary_Result_Summary" type="pds:Primary_Result_Summary" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

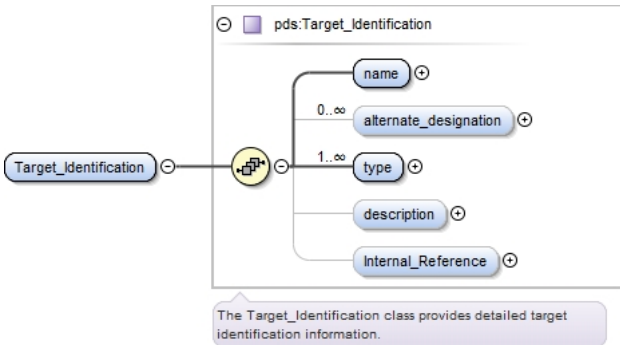
Element pds:Observation_Area / pds:Investigation_Area

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Investigation_Area						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	pds:name , pds:type , pds:Internal_Reference+						
Children	pds:Internal_Reference, pds:name, pds:type						
Instance	<pre><pds:Investigation_Area xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{1,1}</pds:name> <pds:type>{1,1}</pds:type> <pds:Internal_Reference>{1,unbounded}</pds:Internal_Reference> </pds:Investigation_Area></pre>						
Source	<pre><xs:element name="Investigation_Area" type="pds:Investigation_Area" minOccurs="1" maxOccurs="unbounded"> </xs:element></pre>						

Element pds:Observation_Area / pds:Observing_System

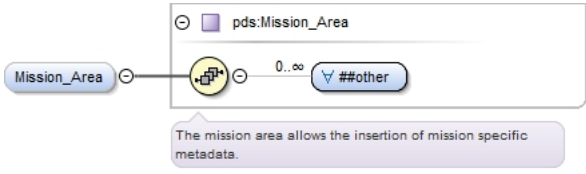
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Observing_System						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	pds:name{0,1} , pds:description{0,1} , pds:Observing_System_Component+						
Children	pds:Observing_System_Component, pds:description, pds:name						
Instance	<pre><pds:Observing_System xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:description>{0,1}</pds:description> <pds:Observing_System_Component>{1,unbounded}</pds:Observing_System_Component> </pds:Observing_System></pre>						
Source	<pre><xs:element name="Observing_System" type="pds:Observing_System" minOccurs="1" maxOccurs="unbounded"> </xs:element></pre>						

Element pds:Observation_Area / pds:Target_Identification

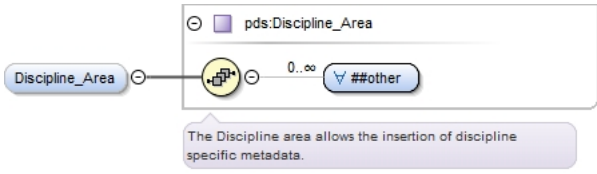
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Target_Identification						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	pds:name , pds:alternate_designation* , pds:type+ , pds:description{0,1} , pds:Internal_Reference{0,1}						
Children	pds:Internal_Reference, pds:alternate_designation, pds:description, pds:name, pds:type						
Instance	<pre><pds:Target_Identification xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{1,1}</pds:name> <pds:alternate_designation>{0,unbounded}</pds:alternate_designation> <pds:type>{1,unbounded}</pds:type> <pds:description>{0,1}</pds:description> <pds:Internal_Reference>{0,1}</pds:Internal_Reference> </pds:Target_Identification></pre>						
Source	<pre><xs:element name="Target_Identification" type="pds:Target_Identification" minOccurs="1" maxOccurs="unbounded"> </xs:element></pre>						

Element pds:Observation_Area / pds:Mission_Area

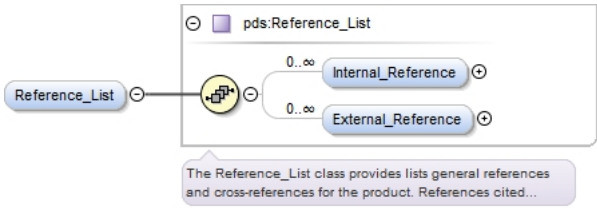
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:Mission_Area						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	ANY element from ANY namespace OTHER than 'http://pds.nasa.gov/pds4/pds/v1'						
Source	<code><xs:element name="Mission_Area" type="pds:Mission_Area" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Observation_Area / pds:Discipline_Area

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Discipline_Area						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	ANY element from ANY namespace OTHER than 'http://pds.nasa.gov/pds4/pds/v1'						
Source	<code><xs:element name="Discipline_Area" type="pds:Discipline_Area" minOccurs="0" maxOccurs="1"> </xs:element></code>						

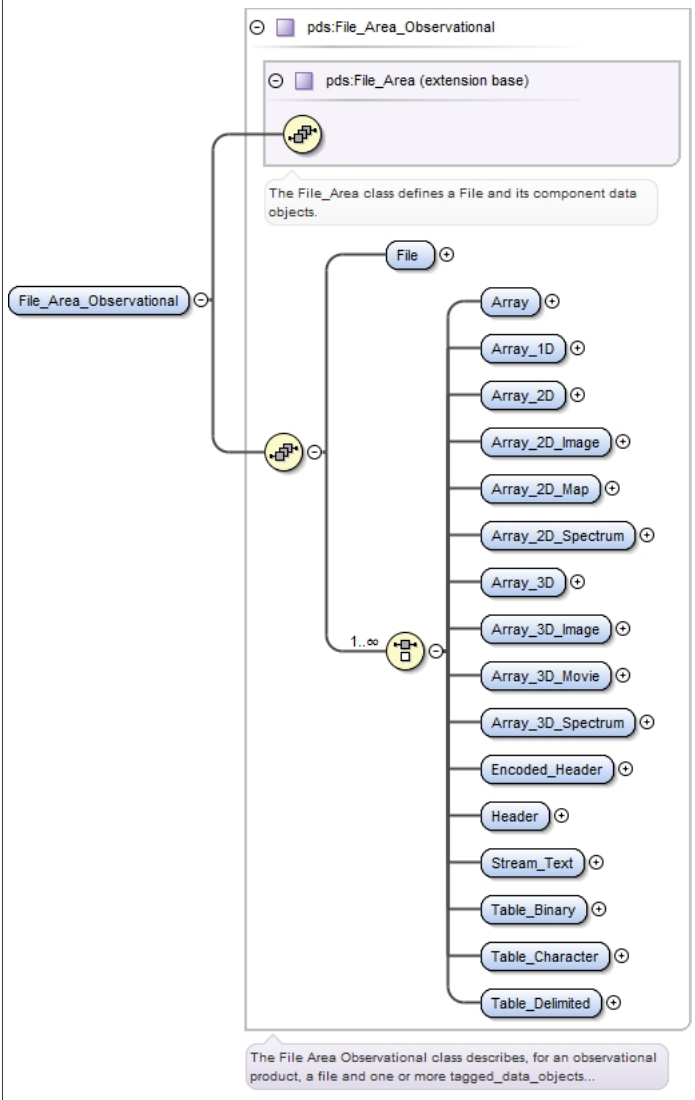
Element pds:Product_Observational / pds:Reference_List

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Reference_List						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:Internal_Reference* , pds:External_Reference*						
Children	pds:External_Reference, pds:Internal_Reference						
Instance	<code><pds:Reference_List xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Internal_Reference>{0, unbounded}</pds:Internal_Reference> <pds:External_Reference>{0, unbounded}</pds:External_Reference> </pds:Reference_List></code>						
Source	<code><xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Product_Observational / pds:File_Area_Observational

Namespace	http://pds.nasa.gov/pds4/pds/v1
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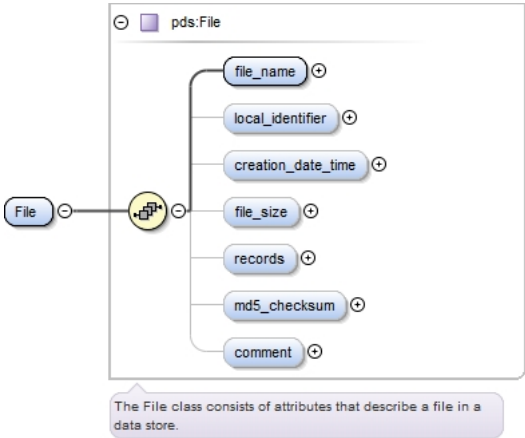
Diagram



Type	pds:File_Area_Observational						
Type hierarchy	<ul style="list-style-type: none"> • pds:File_Area • pds:File_Area_Observational 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	pds:File , (pds:Array pds:Array_1D pds:Array_2D pds:Array_2D_Image pds:Array_2D_Map pds:Array_2D_Spectrum pds:Array_3D pds:Array_3D_Image pds:Array_3D_Movie pds:Array_3D_Spectrum pds:Encoded_Header pds:Header pds:Stream_Text pds:Table_Binary pds:Table_Character pds:Table_Delimited)						
Children	pds:Array, pds:Array_1D, pds:Array_2D, pds:Array_2D_Image, pds:Array_2D_Map, pds:Array_2D_Spectrum, pds:Array_3D, pds:Array_3D_Image, pds:Array_3D_Movie, pds:Array_3D_Spectrum, pds:Encoded_Header, pds:File, pds:Header, pds:Stream_Text, pds:Table_Binary, pds:Table_Character, pds:Table_Delimited						
Instance	<pre><pds:File_Area_Observational xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:File>{1,1}</pds:File> <pds:Array>{1,1}</pds:Array> <pds:Array_1D>{1,1}</pds:Array_1D> <pds:Array_2D>{1,1}</pds:Array_2D> <pds:Array_2D_Image>{1,1}</pds:Array_2D_Image> <pds:Array_2D_Map>{1,1}</pds:Array_2D_Map> <pds:Array_2D_Spectrum>{1,1}</pds:Array_2D_Spectrum> <pds:Array_3D>{1,1}</pds:Array_3D> <pds:Array_3D_Image>{1,1}</pds:Array_3D_Image> <pds:Array_3D_Movie>{1,1}</pds:Array_3D_Movie> <pds:Array_3D_Spectrum>{1,1}</pds:Array_3D_Spectrum> <pds:Encoded_Header>{1,1}</pds:Encoded_Header> <pds:Header>{1,1}</pds:Header></pre>						

	<pre><pds:Stream_Text>{1,1}</pds:Stream_Text> <pds:Table_Binary>{1,1}</pds:Table_Binary> <pds:Table_Character>{1,1}</pds:Table_Character> <pds:Table_Delimited>{1,1}</pds:Table_Delimited> </pds:File_Area_Observational></pre>
Source	<pre><xs:element name="File_Area_Observational" type="pds:File_Area_Observational" minOccurs="1" maxOccurs="unbounded"> </xs:element></pre>

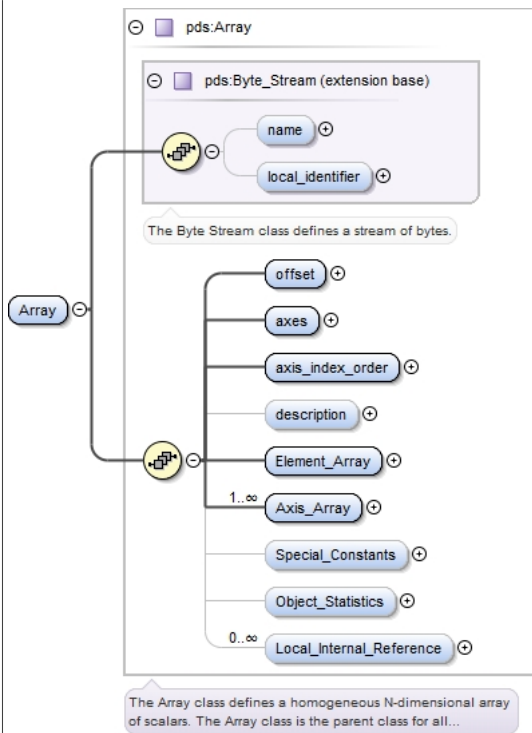
Element pds:File_Area_Observational / pds:File

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:File						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:file_name , pds:local_identifier{0,1} , pds:creation_date_time{0,1} , pds:file_size{0,1} , pds:records{0,1} , pds:md5_checksum{0,1} , pds:comment{0,1}						
Children	pds:comment, pds:creation_date_time, pds:file_name, pds:file_size, pds:local_identifier, pds:md5_checksum, pds:records						
Instance	<pre><pds:File xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:file_name>{1,1}</pds:file_name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:creation_date_time>{0,1}</pds:creation_date_time> <pds:file_size unit="">{0,1}</pds:file_size> <pds:records>{0,1}</pds:records> <pds:md5_checksum>{0,1}</pds:md5_checksum> <pds:comment>{0,1}</pds:comment> </pds:File></pre>						
Source	<pre><xs:element name="File" type="pds:File" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:File_Area_Observational / pds:Array

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram

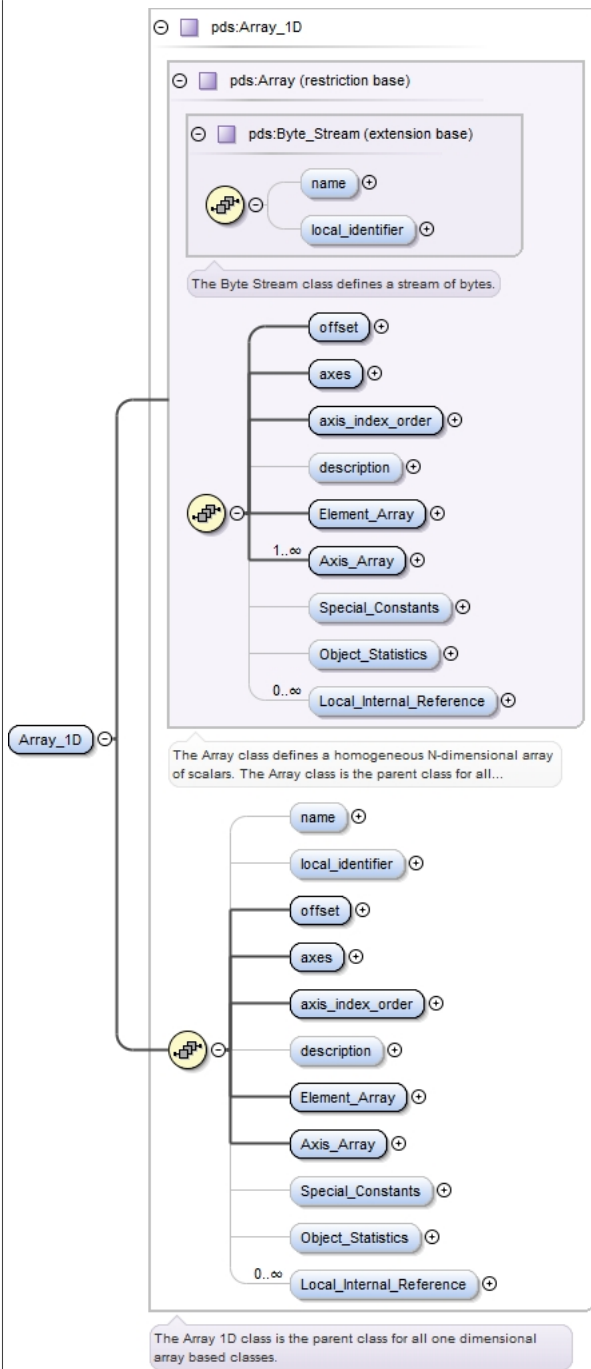


Type	pds:Array
Type hierarchy	<ul style="list-style-type: none"> pds:Byte_Stream pds:Array
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array+ , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference*
Children	pds:Axis_Array, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Instance	<pre><pds:Array xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:axes>{1,1}</pds:axes> <pds:axis_index_order>{1,1}</pds:axis_index_order> <pds:description>{0,1}</pds:description> <pds:Element_Array>{1,1}</pds:Element_Array> <pds:Axis_Array>{1,unbounded}</pds:Axis_Array> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Object_Statistics>{0,1}</pds:Object_Statistics> <pds:Local_Internal_Reference>{0,unbounded}</pds:Local_Internal_Reference> </pds:Array></pre>
Source	<xs:element name="Array" type="pds:Array"></xs:element>

Element pds:File_Area_Observational / pds:Array_1D

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram



Type	pds:Array_1D
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Array • pds:Array_1D
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference*
Children	pds:Axis_Array, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Instance	<pre><pds:Array_1D xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:axes>{1,1}</pds:axes></pre>

	<pre> <pds:axis_index_order>{1,1}</pds:axis_index_order> <pds:description>{0,1}</pds:description> <pds:Element_Array>{1,1}</pds:Element_Array> <pds:Axis_Array>{1,1}</pds:Axis_Array> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Object_Statistics>{0,1}</pds:Object_Statistics> <pds:Local_Internal_Reference>{0,unbounded}</pds:Local_Internal_Reference> </pds:Array_1D> </pre>
Source	<pre> <xs:element name="Array_1D" type="pds:Array_1D"> </xs:element> </pre>

Element pds:File_Area_Observational / pds:Array_2D

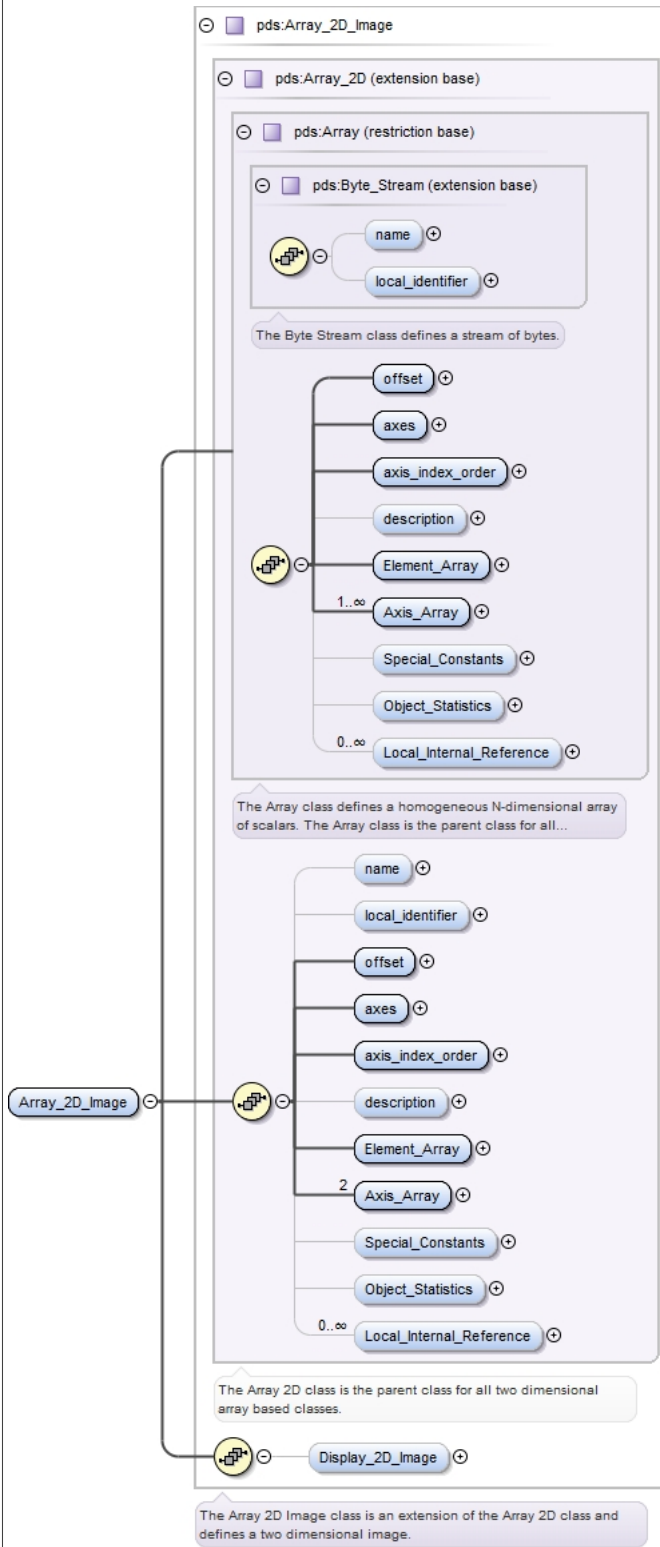
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	<pre> classDiagram class pdsArray2D { name local_identifier offset axes axis_index_order description Element_Array Axis_Array "2" Special_Constants Object_Statistics Local_Internal_Reference "0..∞" } class pdsArray { name local_identifier offset axes axis_index_order description Element_Array Axis_Array "1..∞" Special_Constants Object_Statistics Local_Internal_Reference "0..∞" } class pdsByteStream { name local_identifier } pdsArray2D -- > pdsArray pdsArray2D .. > pdsByteStream </pre> <p>The Byte Stream class defines a stream of bytes.</p> <p>The Array class defines a homogeneous N-dimensional array of scalars. The Array class is the parent class for all...</p> <p>The Array 2D class is the parent class for all two dimensional array based classes.</p>
Type	pds:Array_2D
Type hierarchy	<ul style="list-style-type: none"> pds:Byte_Stream pds:Array

	<ul style="list-style-type: none"> • pds:Array_2D
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array{2,2} , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference*
Children	pds:Axis_Array, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Instance	<pre><pds:Array_2D xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:axes>{1,1}</pds:axes> <pds:axis_index_order>{1,1}</pds:axis_index_order> <pds:description>{0,1}</pds:description> <pds:Element_Array>{1,1}</pds:Element_Array> <pds:Axis_Array>{2,2}</pds:Axis_Array> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Object_Statistics>{0,1}</pds:Object_Statistics> <pds:Local_Internal_Reference>{0,unbounded}</pds:Local_Internal_Reference> </pds:Array_2D></pre>
Source	<pre><xs:element name="Array_2D" type="pds:Array_2D"> </xs:element></pre>

Element pds:File_Area_Observational / pds:Array_2D_Image

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram



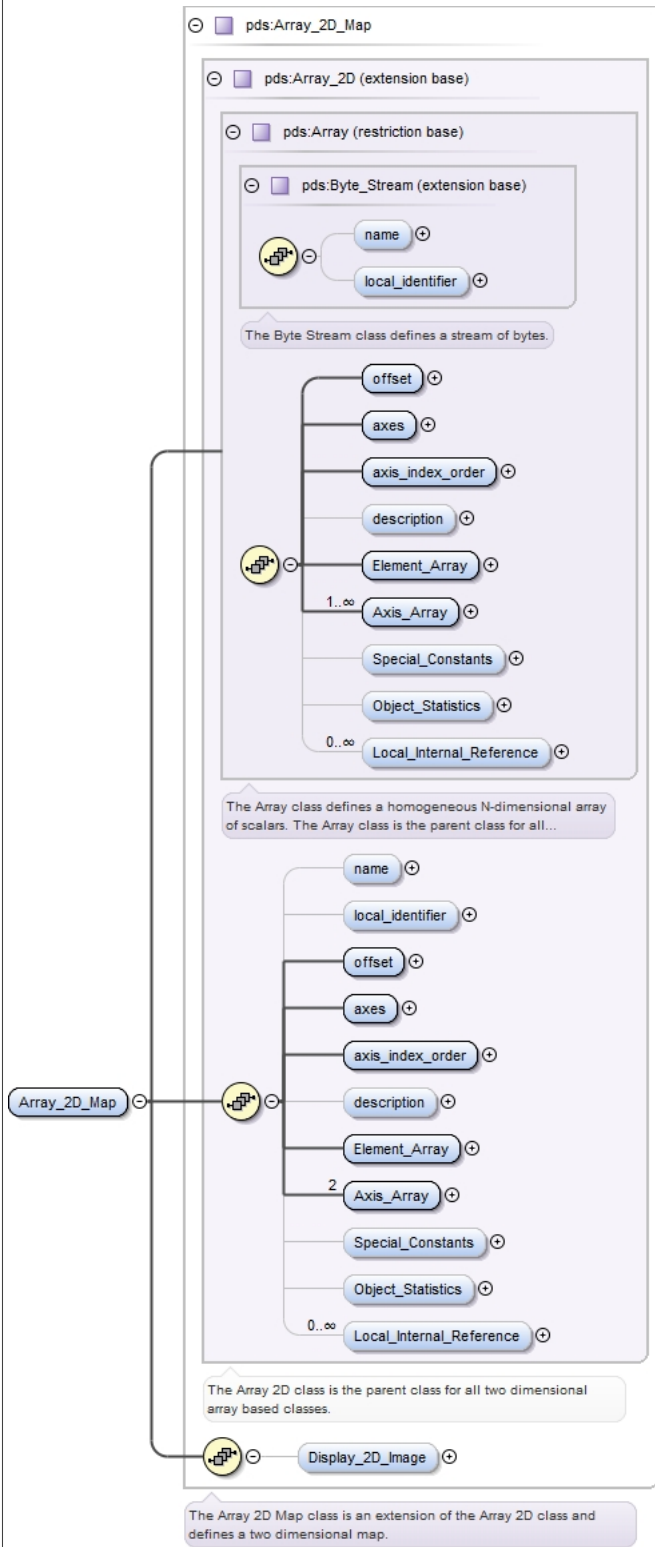
Type	pds:Array_2D_Image
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Array • pds:Array_2D • pds:Array_2D_Image
Properties	content: complex

Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array{2,2} , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference* , pds:Display_2D_Image{0,1}
Children	pds:Axis_Array, pds:Display_2D_Image, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Instance	<pre><pds:Array_2D_Image xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:axes>{1,1}</pds:axes> <pds:axis_index_order>{1,1}</pds:axis_index_order> <pds:description>{0,1}</pds:description> <pds:Element_Array>{1,1}</pds:Element_Array> <pds:Axis_Array>{2,2}</pds:Axis_Array> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Object_Statistics>{0,1}</pds:Object_Statistics> <pds:Local_Internal_Reference>{0,unbounded}</pds:Local_Internal_Reference> <pds:Display_2D_Image>{0,1}</pds:Display_2D_Image> </pds:Array_2D_Image></pre>
Source	<pre><xs:element name="Array_2D_Image" type="pds:Array_2D_Image"> </xs:element></pre>

Element pds:File_Area_Observational / pds:Array_2D_Map

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram



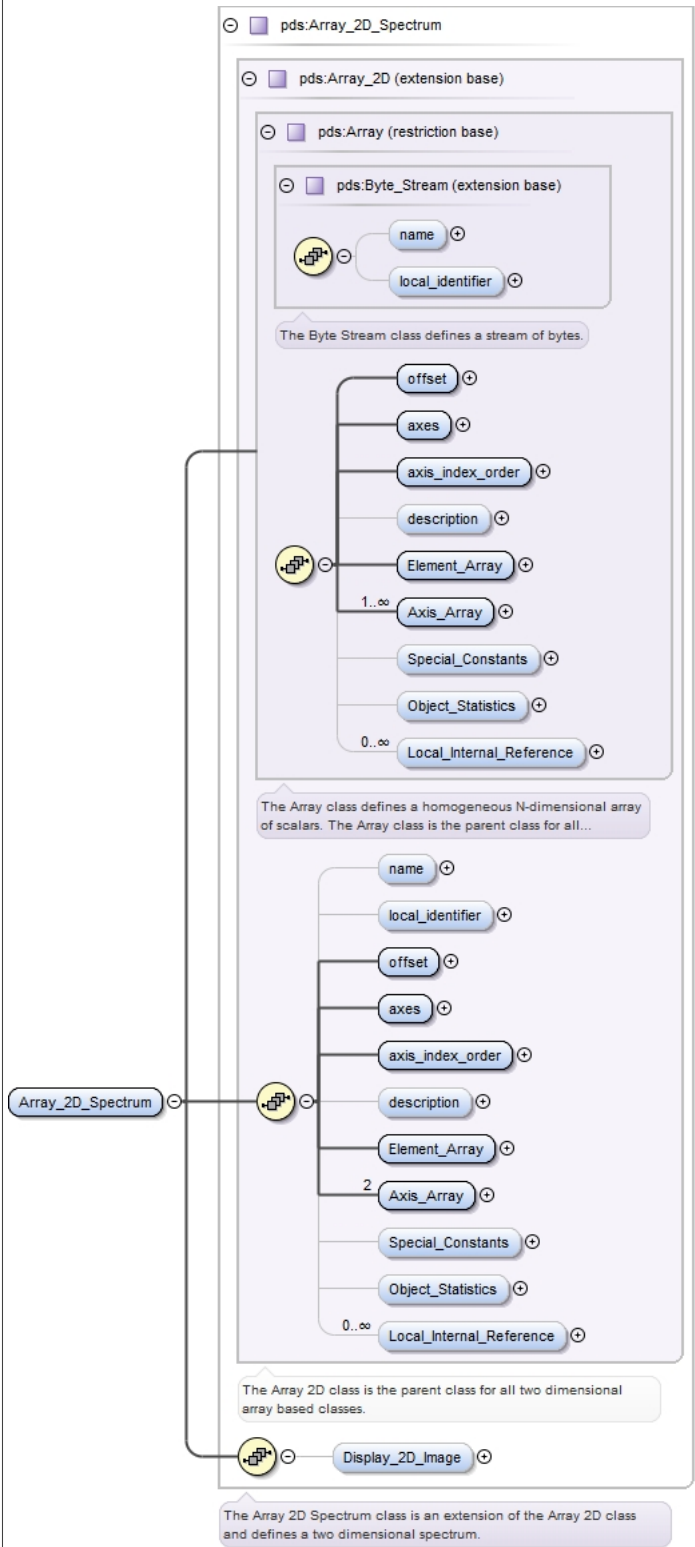
Type	pds:Array_2D_Map
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Array • pds:Array_2D • pds:Array_2D_Map
Properties	content: complex

Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array{2,2} , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference* , pds:Display_2D_Image{0,1}
Children	pds:Axis_Array, pds:Display_2D_Image, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Instance	<pre><pds:Array_2D_Map xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:axes>{1,1}</pds:axes> <pds:axis_index_order>{1,1}</pds:axis_index_order> <pds:description>{0,1}</pds:description> <pds:Element_Array>{1,1}</pds:Element_Array> <pds:Axis_Array>{2,2}</pds:Axis_Array> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Object_Statistics>{0,1}</pds:Object_Statistics> <pds:Local_Internal_Reference>{0,unbounded}</pds:Local_Internal_Reference> <pds:Display_2D_Image>{0,1}</pds:Display_2D_Image> </pds:Array_2D_Map></pre>
Source	<pre><xs:element name="Array_2D_Map" type="pds:Array_2D_Map"> </xs:element></pre>

Element pds:File_Area_Observational / pds:Array_2D_Spectrum

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram



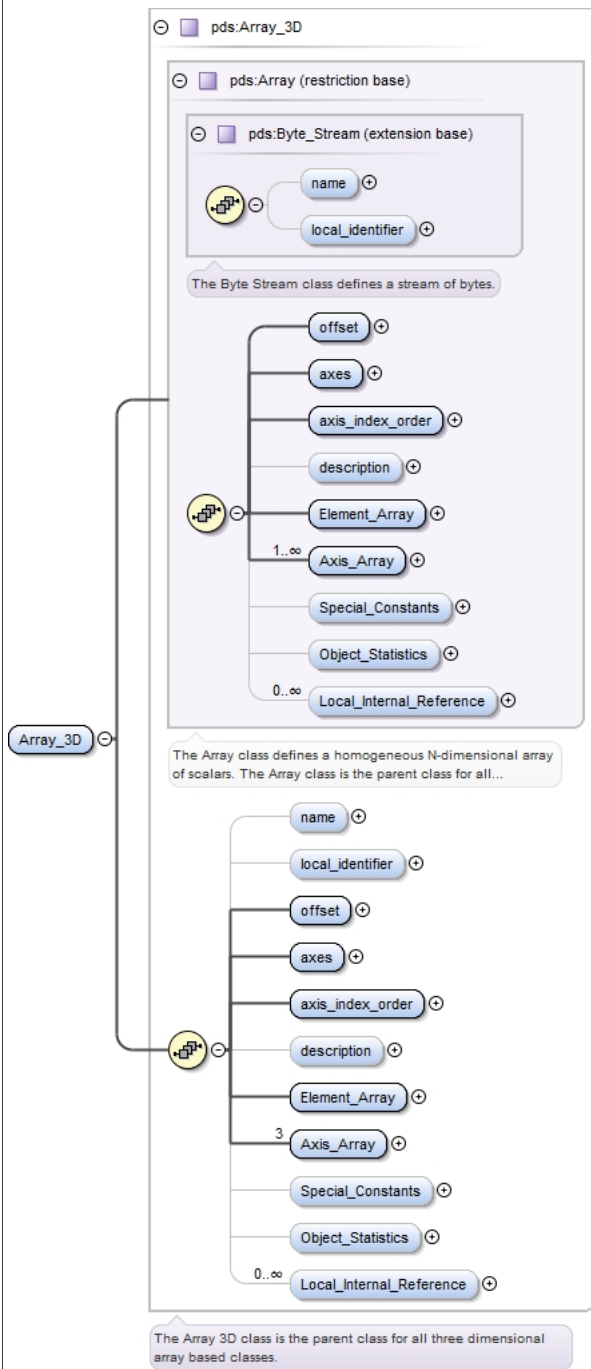
Type	pds:Array_2D_Spectrum
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Array • pds:Array_2D • pds:Array_2D_Spectrum
Properties	content: complex

Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array{2,2} , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference* , pds:Display_2D_Image{0,1}
Children	pds:Axis_Array, pds:Display_2D_Image, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Instance	<pre> <pds:Array_2D_Spectrum xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:axes>{1,1}</pds:axes> <pds:axis_index_order>{1,1}</pds:axis_index_order> <pds:description>{0,1}</pds:description> <pds:Element_Array>{1,1}</pds:Element_Array> <pds:Axis_Array>{2,2}</pds:Axis_Array> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Object_Statistics>{0,1}</pds:Object_Statistics> <pds:Local_Internal_Reference>{0,unbounded}</pds:Local_Internal_Reference> <pds:Display_2D_Image>{0,1}</pds:Display_2D_Image> </pds:Array_2D_Spectrum> </pre>
Source	<pre> <xs:element name="Array_2D_Spectrum" type="pds:Array_2D_Spectrum"> </xs:element> </pre>

Element pds:File_Area_Observational / pds:Array_3D

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram



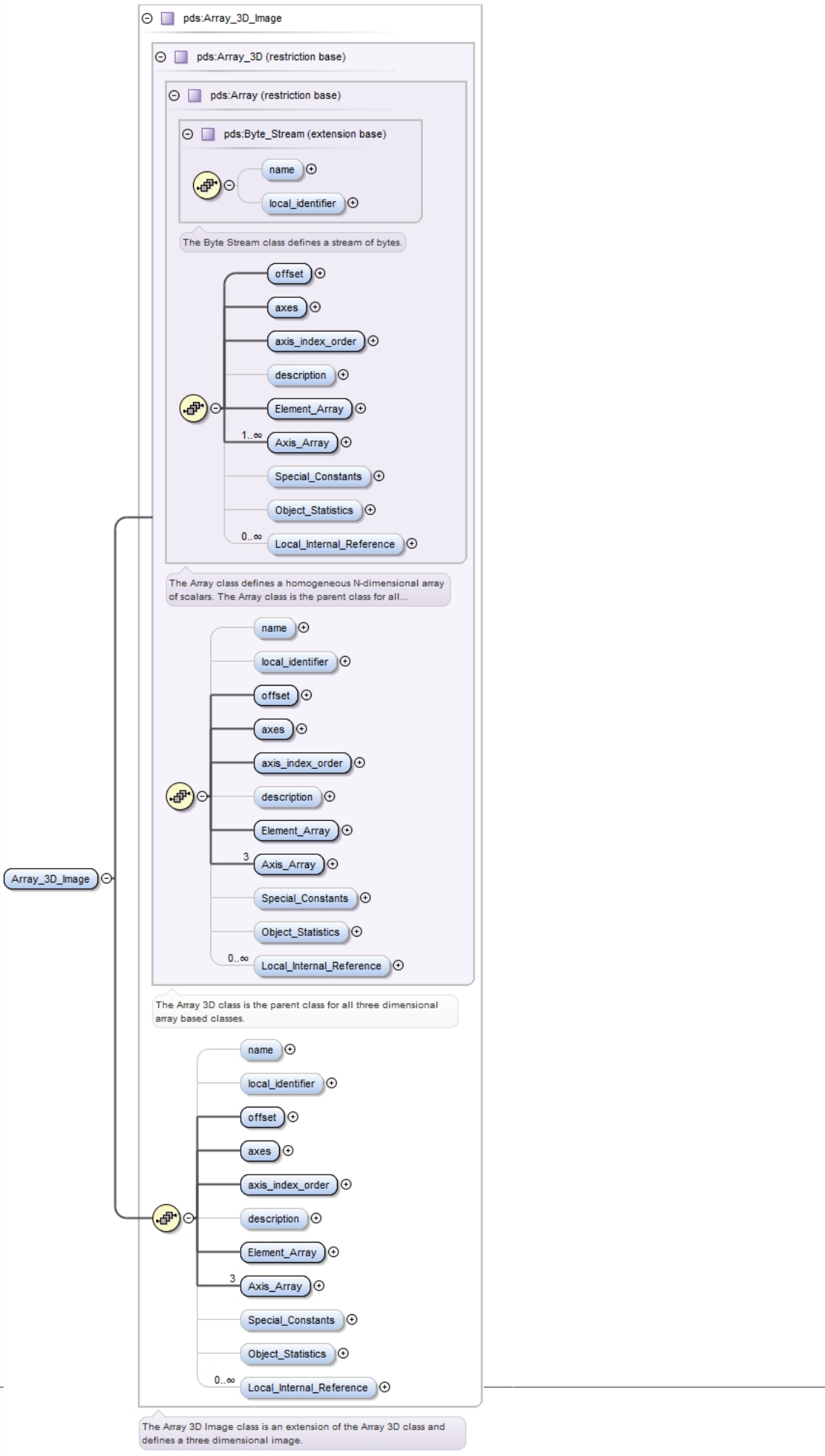
Type	pds:Array_3D
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Array • pds:Array_3D
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array{3,3} , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference*
Children	pds:Axis_Array, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Instance	<pre><pds:Array_3D xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:axes>{1,1}</pds:axes></pre>

	<pre> <pds:axis_index_order>{1,1}</pds:axis_index_order> <pds:description>{0,1}</pds:description> <pds:Element_Array>{1,1}</pds:Element_Array> <pds:Axis_Array>{3,3}</pds:Axis_Array> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Object_Statistics>{0,1}</pds:Object_Statistics> <pds:Local_Internal_Reference>{0,unbounded}</pds:Local_Internal_Reference> </pds:Array_3D> </pre>
Source	<pre> <xs:element name="Array_3D" type="pds:Array_3D"> </xs:element> </pre>

Element pds:File_Area_Observational / pds:Array_3D_Image

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram

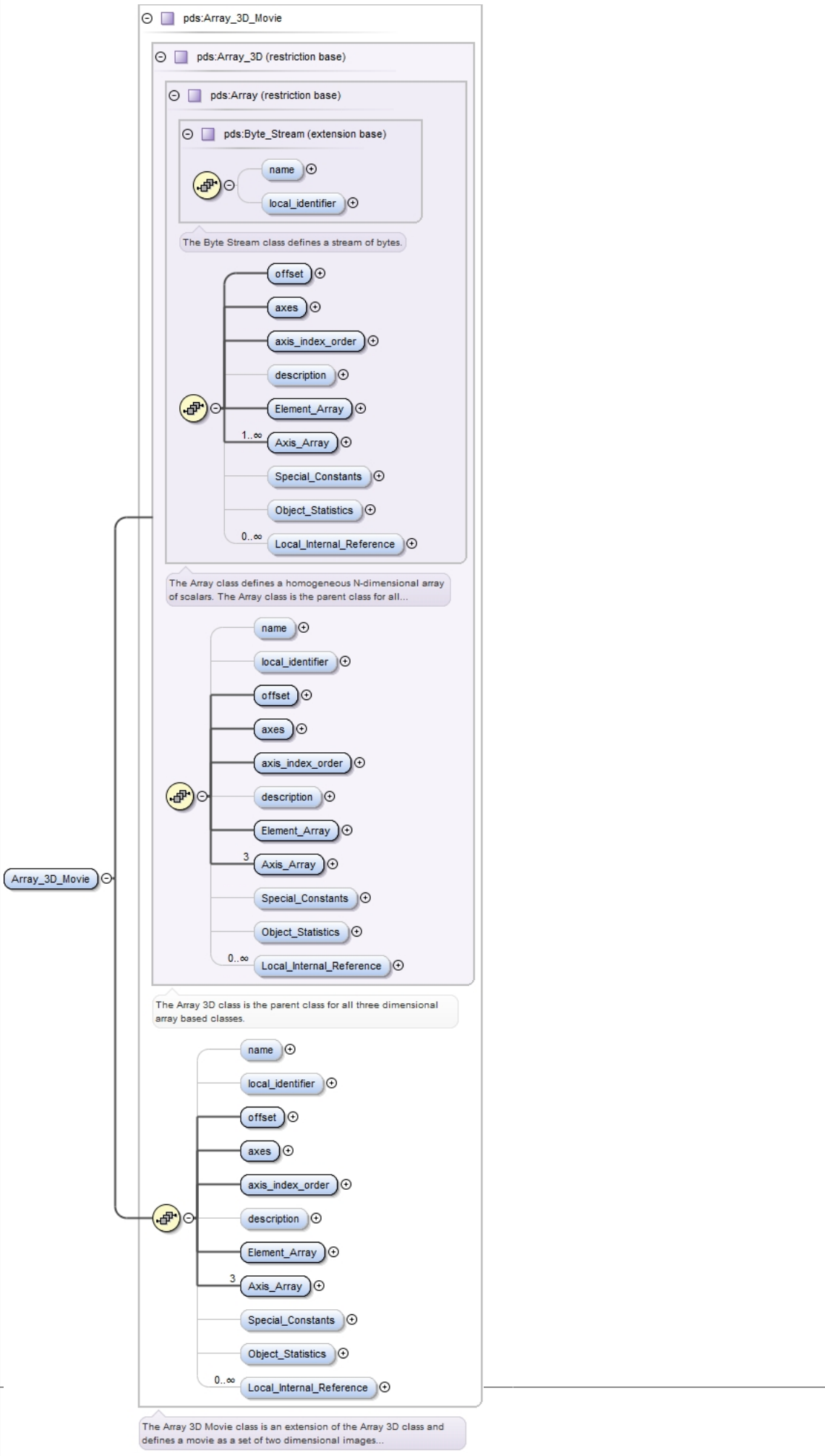


Type	pds:Array_3D_Image
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Array <ul style="list-style-type: none"> • pds:Array_3D <ul style="list-style-type: none"> • pds:Array_3D_Image
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array{3,3} , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference*
Children	pds:Axis_Array, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Instance	<pre><pds:Array_3D_Image xmlns:pds="http://pds.nasa.gov/pds4/pds/v1" > <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:axes>{1,1}</pds:axes> <pds:axis_index_order>{1,1}</pds:axis_index_order> <pds:description>{0,1}</pds:description> <pds:Element_Array>{1,1}</pds:Element_Array> <pds:Axis_Array>{3,3}</pds:Axis_Array> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Object_Statistics>{0,1}</pds:Object_Statistics> <pds:Local_Internal_Reference>{0,unbounded}</pds:Local_Internal_Reference> </pds:Array_3D_Image></pre>
Source	<pre><xs:element name="Array_3D_Image" type="pds:Array_3D_Image" > </xs:element></pre>

Element pds:File_Area_Observational / pds:Array_3D_Movie

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram

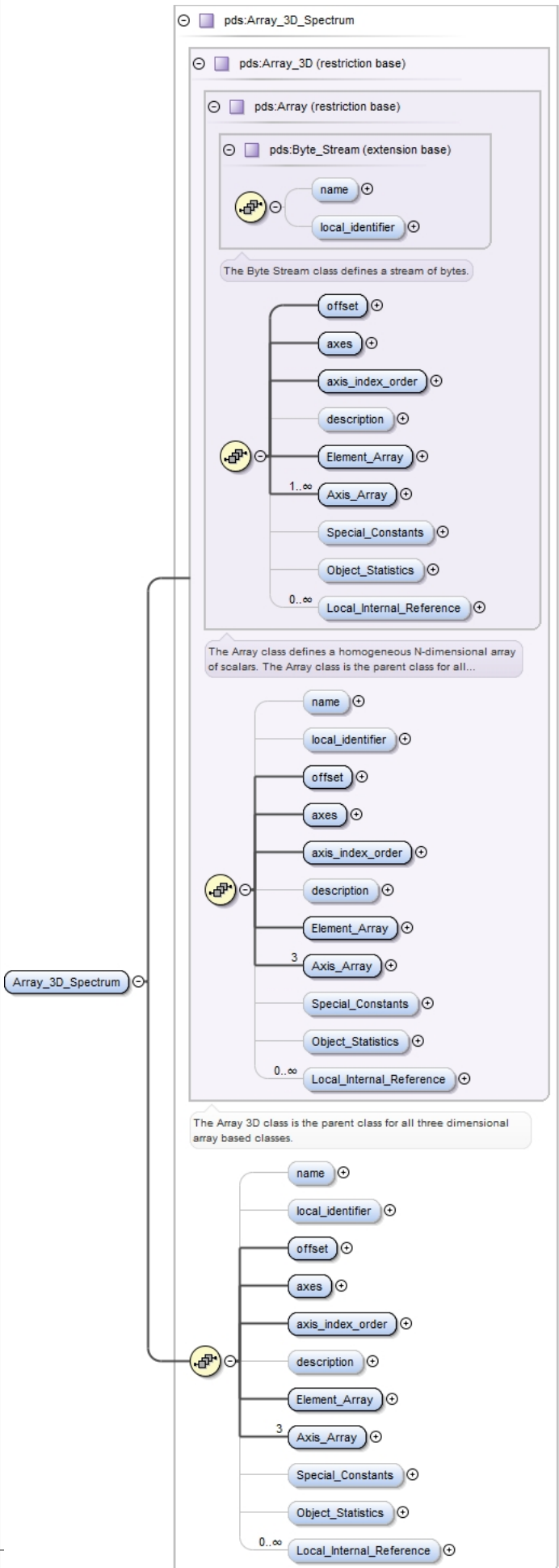


Type	pds:Array_3D_Movie
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Array <ul style="list-style-type: none"> • pds:Array_3D <ul style="list-style-type: none"> • pds:Array_3D_Movie
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array{3,3} , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference*
Children	pds:Axis_Array, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Instance	<pre><pds:Array_3D_Movie xmlns:pds="http://pds.nasa.gov/pds4/pds/v1" > <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:axes>{1,1}</pds:axes> <pds:axis_index_order>{1,1}</pds:axis_index_order> <pds:description>{0,1}</pds:description> <pds:Element_Array>{1,1}</pds:Element_Array> <pds:Axis_Array>{3,3}</pds:Axis_Array> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Object_Statistics>{0,1}</pds:Object_Statistics> <pds:Local_Internal_Reference>{0,unbounded}</pds:Local_Internal_Reference> </pds:Array_3D_Movie></pre>
Source	<pre><xs:element name="Array_3D_Movie" type="pds:Array_3D_Movie" > </xs:element></pre>

Element pds:File_Area_Observational / pds:Array_3D_Spectrum

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram



Type	pds:Array_3D_Spectrum
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Array <ul style="list-style-type: none"> • pds:Array_3D <ul style="list-style-type: none"> • pds:Array_3D_Spectrum
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array{3,3} , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference*
Children	pds:Axis_Array, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Instance	<pre><pds:Array_3D_Spectrum xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:axes>{1,1}</pds:axes> <pds:axis_index_order>{1,1}</pds:axis_index_order> <pds:description>{0,1}</pds:description> <pds:Element_Array>{1,1}</pds:Element_Array> <pds:Axis_Array>{3,3}</pds:Axis_Array> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Object_Statistics>{0,1}</pds:Object_Statistics> <pds:Local_Internal_Reference>{0,unbounded}</pds:Local_Internal_Reference> </pds:Array_3D_Spectrum></pre>
Source	<xs:element name="Array_3D_Spectrum" type="pds:Array_3D_Spectrum"></xs:element>

Element pds:File_Area_Observational / pds:Encoded_Header

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Encoded_Header

Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Encoded_Byte_Stream • pds:Encoded_Header
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:encoding_standard_id , pds:description{0,1}
Children	pds:description, pds:encoding_standard_id, pds:local_identifier, pds:name, pds:object_length, pds:offset
Instance	<pre><pds:Encoded_Header xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:object_length unit="">{0,1}</pds:object_length> <pds:encoding_standard_id>{1,1}</pds:encoding_standard_id> <pds:description>{0,1}</pds:description> </pds:Encoded_Header></pre>
Source	<pre><xs:element name="Encoded_Header" type="pds:Encoded_Header"> </xs:element></pre>

Element pds:File_Area_Observational / pds:Header

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Header
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Parsable_Byte_Stream • pds:Header
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length , pds:parsing_standard_id , pds:description{0,1}
Children	pds:description, pds:local_identifier, pds:name, pds:object_length, pds:offset, pds:parsing_standard_id
Instance	<pre><pds:Header xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"></pre>

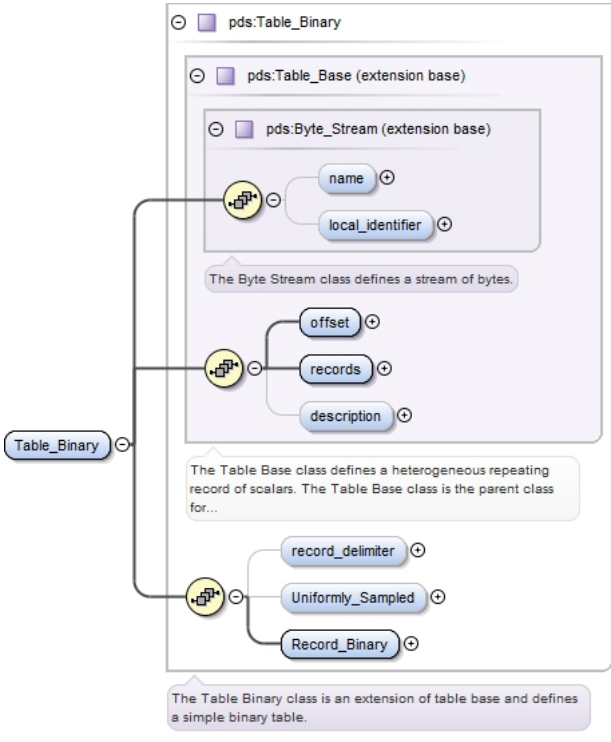
	<pre> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:object_length unit="">{1,1}</pds:object_length> <pds:parsing_standard_id>{1,1}</pds:parsing_standard_id> <pds:description>{0,1}</pds:description> </pds:Header> </pre>
Source	<pre> <xs:element name="Header" type="pds:Header"> </xs:element> </pre>

Element pds:File_Area_Observational / pds:Stream_Text

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Stream_Text
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Parsable_Byte_Stream • pds:Stream_Text
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:parsing_standard_id , pds:description{0,1} , pds:record_delimiter
Children	pds:description, pds:local_identifier, pds:name, pds:object_length, pds:offset, pds:parsing_standard_id, pds:record_delimiter
Instance	<pre> <pds:Stream_Text xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:object_length unit="">{0,1}</pds:object_length> <pds:parsing_standard_id>{1,1}</pds:parsing_standard_id> <pds:description>{0,1}</pds:description> <pds:record_delimiter>{1,1}</pds:record_delimiter> </pds:Stream_Text> </pre>
Source	<pre> <xs:element name="Stream_Text" type="pds:Stream_Text"> </xs:element> </pre>

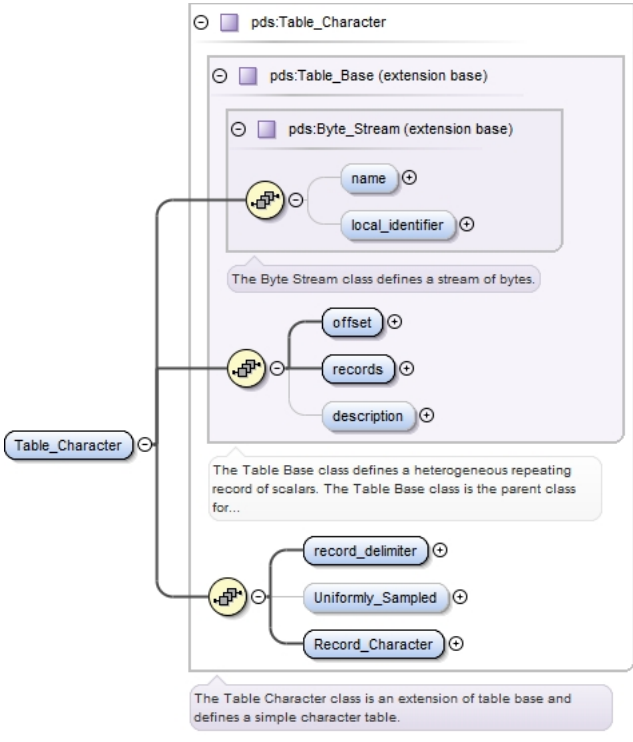
Element pds:File_Area_Observational / pds:Table_Binary

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram	
Type	pds:Table_Binary
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Table_Base • pds:Table_Binary
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:records , pds:description{0,1} , pds:record_delimiter{0,1} , pds:Uniformly_Sampled{0,1} , pds:Record_Binary
Children	pds:Record_Binary, pds:Uniformly_Sampled, pds:description, pds:local_identifier, pds:name, pds:offset, pds:record_delimiter, pds:records
Instance	<pre><pds:Table_Binary xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:records>{1,1}</pds:records> <pds:description>{0,1}</pds:description> <pds:record_delimiter>{0,1}</pds:record_delimiter> <pds:Uniformly_Sampled>{0,1}</pds:Uniformly_Sampled> <pds:Record_Binary>{1,1}</pds:Record_Binary> </pds:Table_Binary></pre>
Source	<pre><xs:element name="Table_Binary" type="pds:Table_Binary"> </xs:element></pre>

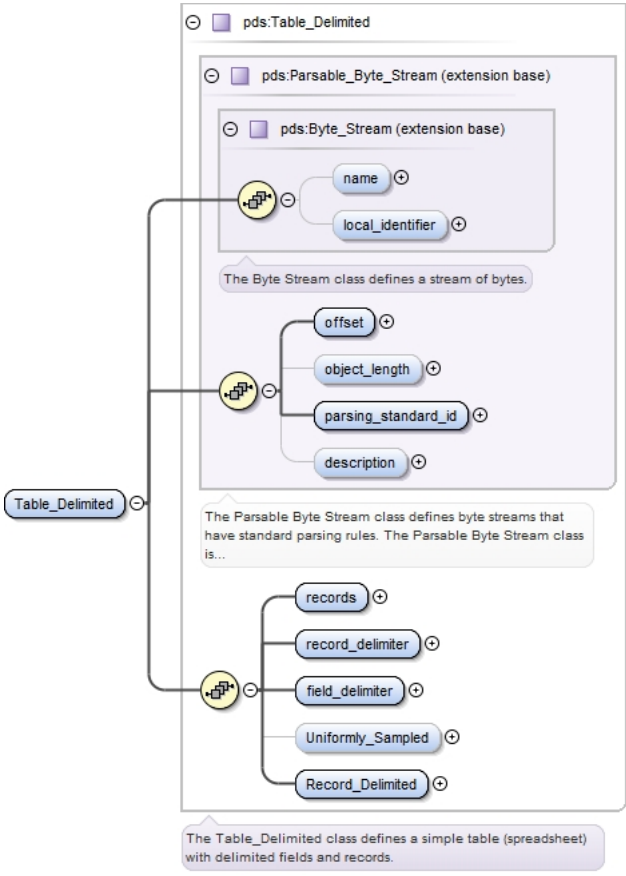
Element pds:File_Area_Observational / pds:Table_Character

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram	
Type	pds:Table_Character
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Table_Base • pds:Table_Character
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:records , pds:description{0,1} , pds:record_delimiter , pds:Uniformly_Sampled{0,1} , pds:Record_Character
Children	pds:Record_Character, pds:Uniformly_Sampled, pds:description, pds:local_identifier, pds:name, pds:offset, pds:record_delimiter, pds:records
Instance	<pre><pds:Table_Character xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:records>{1,1}</pds:records> <pds:description>{0,1}</pds:description> <pds:record_delimiter>{1,1}</pds:record_delimiter> <pds:Uniformly_Sampled>{0,1}</pds:Uniformly_Sampled> <pds:Record_Character>{1,1}</pds:Record_Character> </pds:Table_Character></pre>
Source	<pre><xs:element name="Table_Character" type="pds:Table_Character"> </xs:element></pre>

Element pds:File_Area_Observational / pds:Table_Delimited

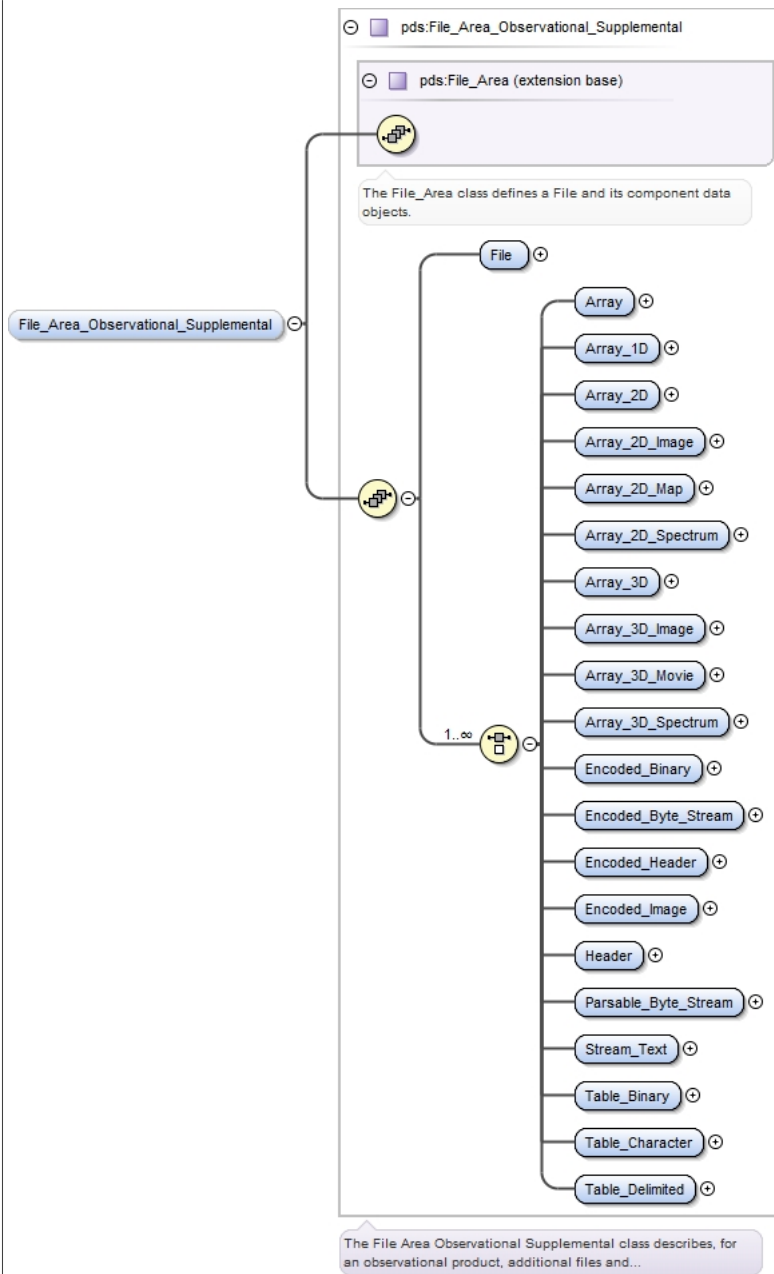
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram	
Type	pds:Table_Delimited
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Parsable_Byte_Stream • pds:Table_Delimited
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifer{0,1} , pds:offset , pds:object_length{0,1} , pds:parsing_standard_id , pds:description{0,1} , pds:records , pds:record_delimiter , pds:field_delimiter , pds:Uniformly_Sampled{0,1} , pds:Record_Delimited
Children	pds:Record_Delimited, pds:Uniformly_Sampled, pds:description, pds:field_delimiter, pds:local_identifer, pds:name, pds:object_length, pds:offset, pds:parsing_standard_id, pds:record_delimiter, pds:records
Instance	<pre><pds:Table_Delimited xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifer>{0,1}</pds:local_identifer> <pds:offset unit="">{1,1}</pds:offset> <pds:object_length unit="">{0,1}</pds:object_length> <pds:parsing_standard_id>{1,1}</pds:parsing_standard_id> <pds:description>{0,1}</pds:description> <pds:records>{1,1}</pds:records> <pds:record_delimiter>{1,1}</pds:record_delimiter> <pds:field_delimiter>{1,1}</pds:field_delimiter> <pds:Uniformly_Sampled>{0,1}</pds:Uniformly_Sampled> <pds:Record_Delimited>{1,1}</pds:Record_Delimited> </pds:Table_Delimited></pre>
Source	<pre><xs:element name="Table_Delimited" type="pds:Table_Delimited"> </xs:element></pre>

Element pds:Product_Observational / pds:File_Area_Observational_Supplemental

Namespace	http://pds.nasa.gov/pds4/pds/v1
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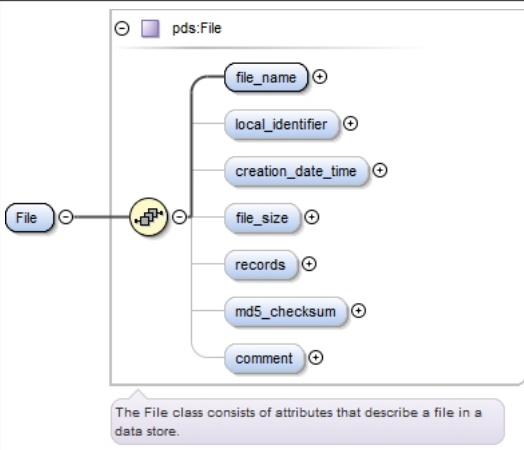
Diagram



Type	pds:File_Area_Observational_Supplemental						
Type hierarchy	<ul style="list-style-type: none"> • pds:File_Area • pds:File_Area_Observational_Supplemental 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	pds:File , (pds:Array pds:Array_1D pds:Array_2D pds:Array_2D_Image pds:Array_2D_Map pds:Array_2D_Spectrum pds:Array_3D pds:Array_3D_Image pds:Array_3D_Movie pds:Array_3D_Spectrum pds:Encoded_Binary pds:Encoded_Byte_Stream pds:Encoded_Header pds:Encoded_Image pds:Header pds:Parsable_Byte_Stream pds:Stream_Text pds:Table_Binary pds:Table_Character pds:Table_Delimited)						
Children	pds:Array, pds:Array_1D, pds:Array_2D, pds:Array_2D_Image, pds:Array_2D_Map, pds:Array_2D_Spectrum, pds:Array_3D, pds:Array_3D_Image, pds:Array_3D_Movie, pds:Array_3D_Spectrum, pds:Encoded_Binary, pds:Encoded_Byte_Stream, pds:Encoded_Header, pds:Encoded_Image, pds:File, pds:Header, pds:Parsable_Byte_Stream, pds:Stream_Text, pds:Table_Binary, pds:Table_Character, pds:Table_Delimited						
Instance	<pre><pds:File_Area_Observational_Supplemental xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:File>{1,1}</pds:File> <pds:Array>{1,1}</pds:Array></pre>						

	<pre> <pds:Array_1D>{1,1}</pds:Array_1D> <pds:Array_2D>{1,1}</pds:Array_2D> <pds:Array_2D_Image>{1,1}</pds:Array_2D_Image> <pds:Array_2D_Map>{1,1}</pds:Array_2D_Map> <pds:Array_2D_Spectrum>{1,1}</pds:Array_2D_Spectrum> <pds:Array_3D>{1,1}</pds:Array_3D> <pds:Array_3D_Image>{1,1}</pds:Array_3D_Image> <pds:Array_3D_Movie>{1,1}</pds:Array_3D_Movie> <pds:Array_3D_Spectrum>{1,1}</pds:Array_3D_Spectrum> <pds:Encoded_Binary>{1,1}</pds:Encoded_Binary> <pds:Encoded_Byte_Stream>{1,1}</pds:Encoded_Byte_Stream> <pds:Encoded_Header>{1,1}</pds:Encoded_Header> <pds:Encoded_Image>{1,1}</pds:Encoded_Image> <pds:Header>{1,1}</pds:Header> <pds:Parsable_Byte_Stream>{1,1}</pds:Parsable_Byte_Stream> <pds:Stream_Text>{1,1}</pds:Stream_Text> <pds:Table_Binary>{1,1}</pds:Table_Binary> <pds:Table_Character>{1,1}</pds:Table_Character> <pds:Table_Delimited>{1,1}</pds:Table_Delimited> </pds:File_Area_Observational_Supplemental> </pre>
Source	<pre> <xs:element name="File_Area_Observational_Supplemental" type="pds:File_Area_Observational_Supplemental" minOccurs="0" maxOccurs="unbounded"> </xs:element> </pre>

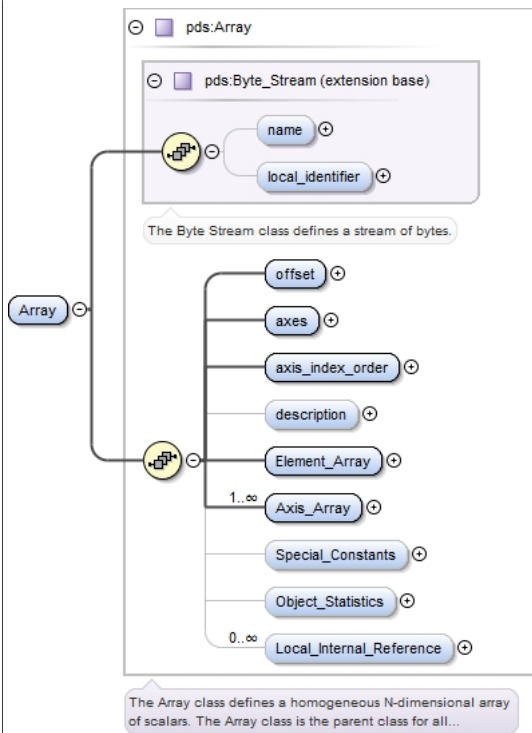
Element pds:File_Area_Observational_Supplemental / pds:File

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:File						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:file_name , pds:local_identifier{0,1} , pds:creation_date_time{0,1} , pds:file_size{0,1} , pds:records{0,1} , pds:md5_checksum{0,1} , pds:comment{0,1}						
Children	pds:comment, pds:creation_date_time, pds:file_name, pds:file_size, pds:local_identifier, pds:md5_checksum, pds:records						
Instance	<pre> <pds:File xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:file_name>{1,1}</pds:file_name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:creation_date_time>{0,1}</pds:creation_date_time> <pds:file_size unit="">{0,1}</pds:file_size> <pds:records>{0,1}</pds:records> <pds:md5_checksum>{0,1}</pds:md5_checksum> <pds:comment>{0,1}</pds:comment> </pds:File> </pre>						
Source	<pre> <xs:element name="File" type="pds:File" minOccurs="1" maxOccurs="1"> </xs:element> </pre>						

Element pds:File_Area_Observational_Supplemental / pds:Array

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram

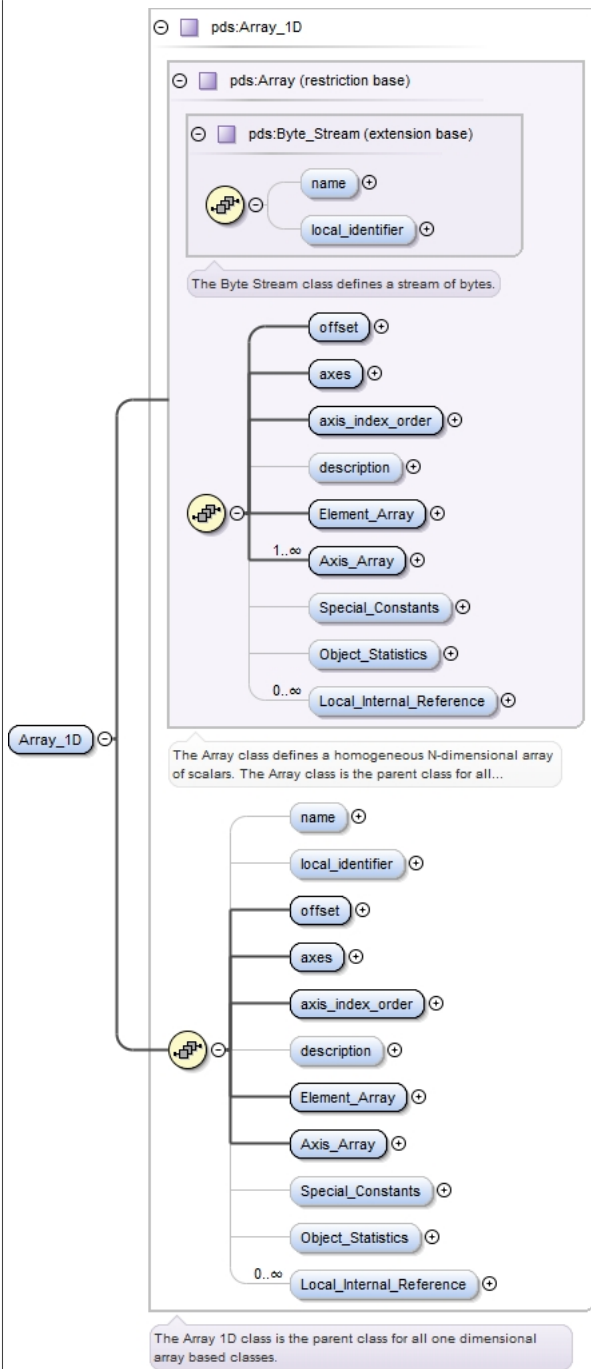


Type	pds:Array
Type hierarchy	<ul style="list-style-type: none"> pds:Byte_Stream pds:Array
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array+ , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference*
Children	pds:Axis_Array, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Instance	<pre><pds:Array xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:axes>{1,1}</pds:axes> <pds:axis_index_order>{1,1}</pds:axis_index_order> <pds:description>{0,1}</pds:description> <pds:Element_Array>{1,1}</pds:Element_Array> <pds:Axis_Array>{1,unbounded}</pds:Axis_Array> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Object_Statistics>{0,1}</pds:Object_Statistics> <pds:Local_Internal_Reference>{0,unbounded}</pds:Local_Internal_Reference> </pds:Array></pre>
Source	<pre><xs:element name="Array" type="pds:Array"> </xs:element></pre>

Element pds:File_Area_Observational_Supplemental / pds:Array_1D

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram



Type	pds:Array_1D
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Array • pds:Array_1D
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference*
Children	pds:Axis_Array, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Instance	<pre><pds:Array_1D xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:axes>{1,1}</pds:axes></pre>

	<pre> <pds:axis_index_order>{1,1}</pds:axis_index_order> <pds:description>{0,1}</pds:description> <pds:Element_Array>{1,1}</pds:Element_Array> <pds:Axis_Array>{1,1}</pds:Axis_Array> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Object_Statistics>{0,1}</pds:Object_Statistics> <pds:Local_Internal_Reference>{0,unbounded}</pds:Local_Internal_Reference> </pds:Array_1D> </pre>
Source	<pre> <xs:element name="Array_1D" type="pds:Array_1D"> </xs:element> </pre>

Element pds:File_Area_Observational_Supplemental / pds:Array_2D

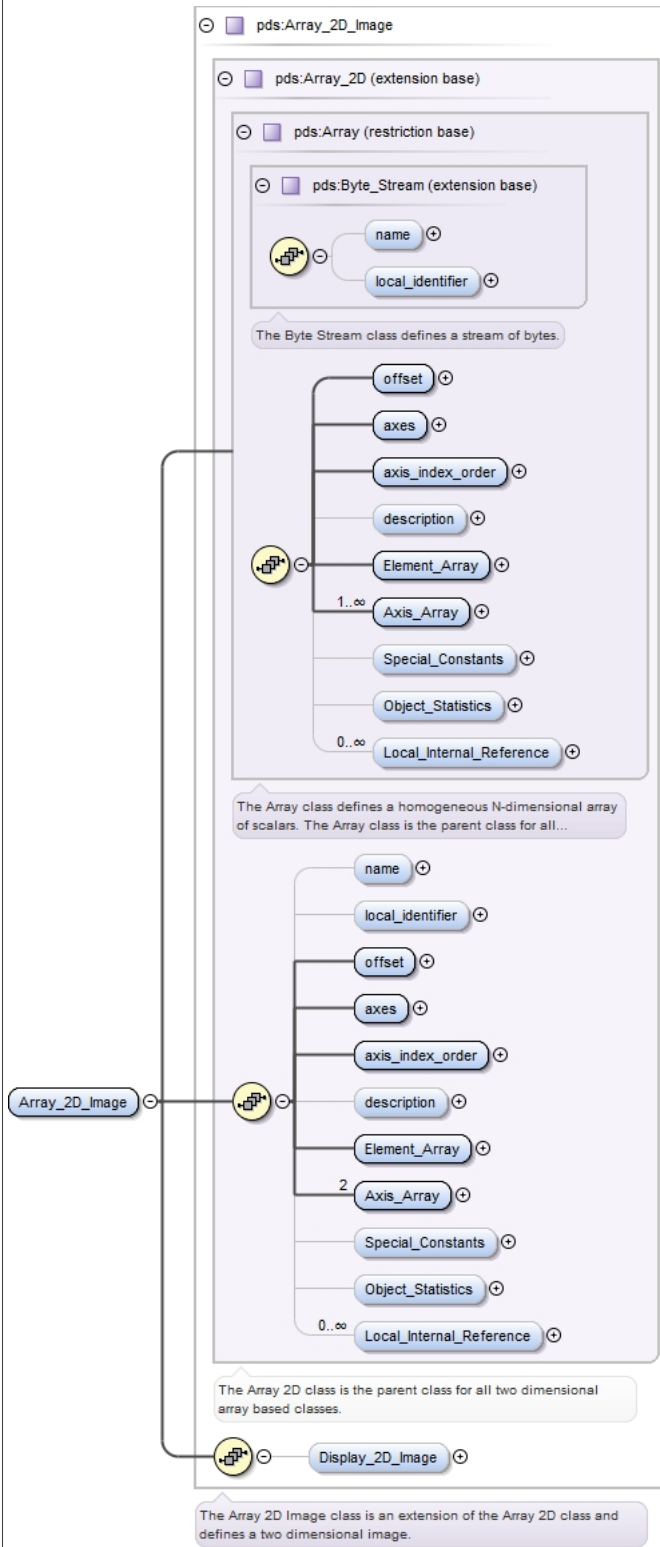
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	<pre> classDiagram class pdsArray_2D { name local_identifier offset axes axis_index_order description Element_Array Axis_Array Special_Constants Object_Statistics Local_Internal_Reference } class pdsArray { name local_identifier offset axes axis_index_order description Element_Array Axis_Array Special_Constants Object_Statistics Local_Internal_Reference } class pdsByte_Stream { name local_identifier } pdsArray_2D -- > pdsArray pdsArray_2D .. > pdsByte_Stream pdsArray_2D .. > pdsArray </pre> <p>The diagram illustrates the class hierarchy for <code>pds:Array_2D</code>. It shows three main classes: <code>pds:Byte_Stream</code> (extension base), <code>pds:Array</code> (restriction base), and <code>pds:Array_2D</code>. <code>pds:Byte_Stream</code> has attributes <code>name</code> and <code>local_identifier</code>. <code>pds:Array</code> has attributes <code>offset</code>, <code>axes</code>, <code>axis_index_order</code>, <code>description</code>, <code>Element_Array</code>, <code>Axis_Array</code> (multiplicity 1..∞), <code>Special_Constants</code>, <code>Object_Statistics</code>, and <code>Local_Internal_Reference</code> (multiplicity 0..∞). <code>pds:Array_2D</code> inherits from <code>pds:Array</code> and has attributes <code>name</code>, <code>local_identifier</code>, <code>offset</code>, <code>axes</code>, <code>axis_index_order</code>, <code>description</code>, <code>Element_Array</code>, <code>Axis_Array</code> (multiplicity 2), <code>Special_Constants</code>, <code>Object_Statistics</code>, and <code>Local_Internal_Reference</code> (multiplicity 0..∞). Explanatory text boxes describe the classes: "The Byte Stream class defines a stream of bytes.", "The Array class defines a homogeneous N-dimensional array of scalars. The Array class is the parent class for all...", and "The Array 2D class is the parent class for all two dimensional array based classes."</p>
Type	pds:Array_2D
Type hierarchy	<ul style="list-style-type: none"> pds:Byte_Stream pds:Array

	<ul style="list-style-type: none"> • pds:Array_2D
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array{2,2} , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference*
Children	pds:Axis_Array, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Instance	<pre><pds:Array_2D xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:axes>{1,1}</pds:axes> <pds:axis_index_order>{1,1}</pds:axis_index_order> <pds:description>{0,1}</pds:description> <pds:Element_Array>{1,1}</pds:Element_Array> <pds:Axis_Array>{2,2}</pds:Axis_Array> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Object_Statistics>{0,1}</pds:Object_Statistics> <pds:Local_Internal_Reference>{0,unbounded}</pds:Local_Internal_Reference> </pds:Array_2D></pre>
Source	<pre><xs:element name="Array_2D" type="pds:Array_2D"> </xs:element></pre>

Element pds:File_Area_Observational_Supplemental / pds:Array_2D_Image

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram



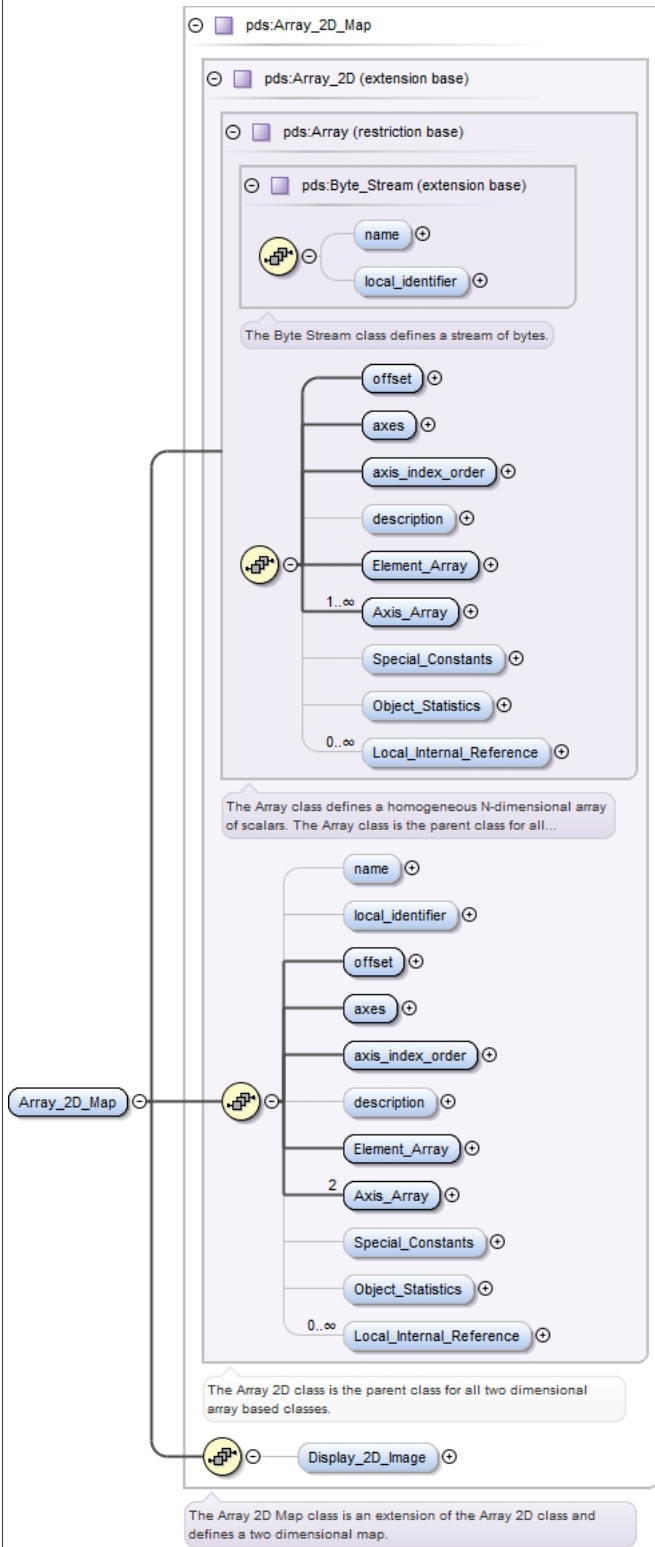
Type	pds:Array_2D_Image
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Array • pds:Array_2D • pds:Array_2D_Image
Properties	content: complex

Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array{2,2} , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference* , pds:Display_2D_Image{0,1}
Children	pds:Axis_Array, pds:Display_2D_Image, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Instance	<pre><pds:Array_2D_Image xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:axes>{1,1}</pds:axes> <pds:axis_index_order>{1,1}</pds:axis_index_order> <pds:description>{0,1}</pds:description> <pds:Element_Array>{1,1}</pds:Element_Array> <pds:Axis_Array>{2,2}</pds:Axis_Array> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Object_Statistics>{0,1}</pds:Object_Statistics> <pds:Local_Internal_Reference>{0,unbounded}</pds:Local_Internal_Reference> <pds:Display_2D_Image>{0,1}</pds:Display_2D_Image> </pds:Array_2D_Image></pre>
Source	<pre><xs:element name="Array_2D_Image" type="pds:Array_2D_Image"> </xs:element></pre>

Element pds:File_Area_Observational_Supplemental / pds:Array_2D_Map

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram



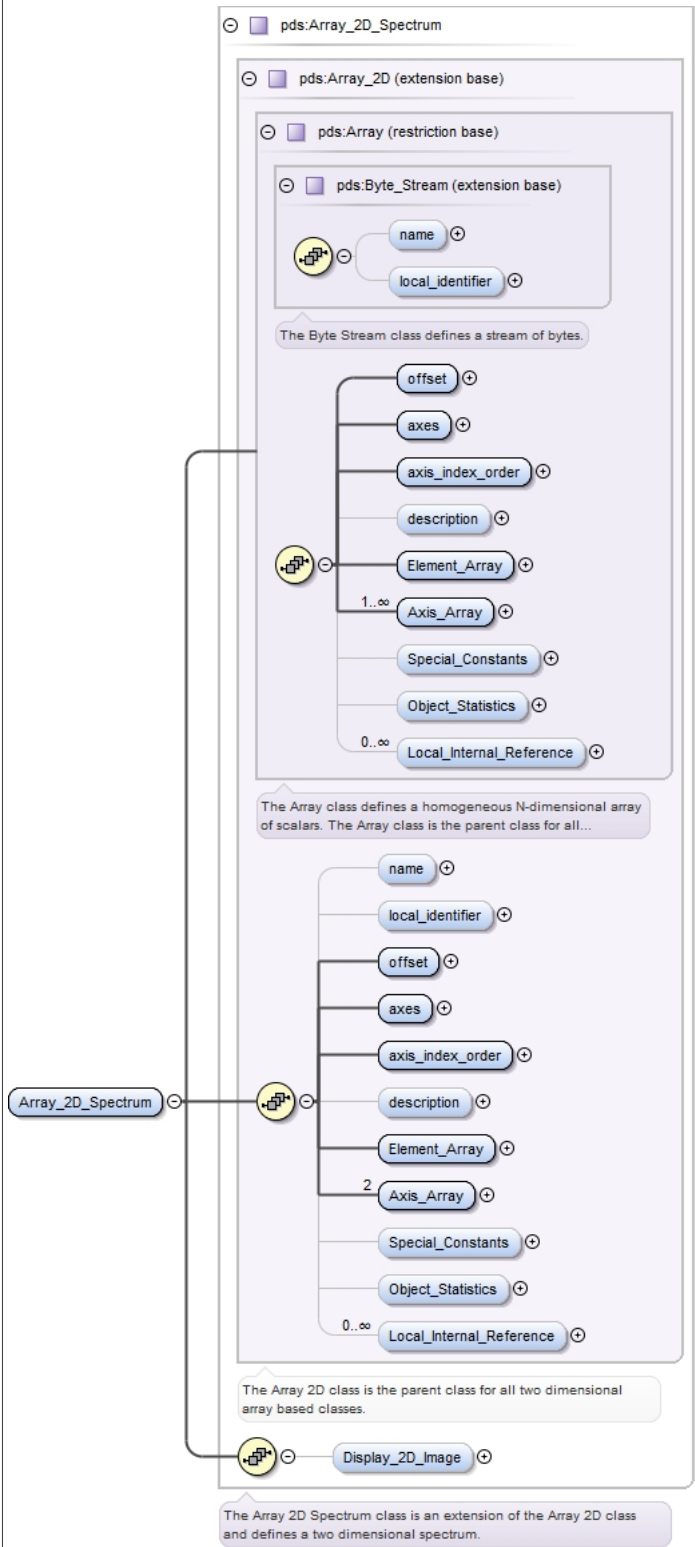
Type	pds:Array_2D_Map
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Array • pds:Array_2D • pds:Array_2D_Map
Properties	content: complex

Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array{2,2} , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference* , pds:Display_2D_Image{0,1}
Children	pds:Axis_Array, pds:Display_2D_Image, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Instance	<pre><pds:Array_2D_Map xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:axes>{1,1}</pds:axes> <pds:axis_index_order>{1,1}</pds:axis_index_order> <pds:description>{0,1}</pds:description> <pds:Element_Array>{1,1}</pds:Element_Array> <pds:Axis_Array>{2,2}</pds:Axis_Array> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Object_Statistics>{0,1}</pds:Object_Statistics> <pds:Local_Internal_Reference>{0,unbounded}</pds:Local_Internal_Reference> <pds:Display_2D_Image>{0,1}</pds:Display_2D_Image> </pds:Array_2D_Map></pre>
Source	<pre><xs:element name="Array_2D_Map" type="pds:Array_2D_Map"> </xs:element></pre>

Element pds:File_Area_Observational_Supplemental / pds:Array_2D_Spectrum

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram



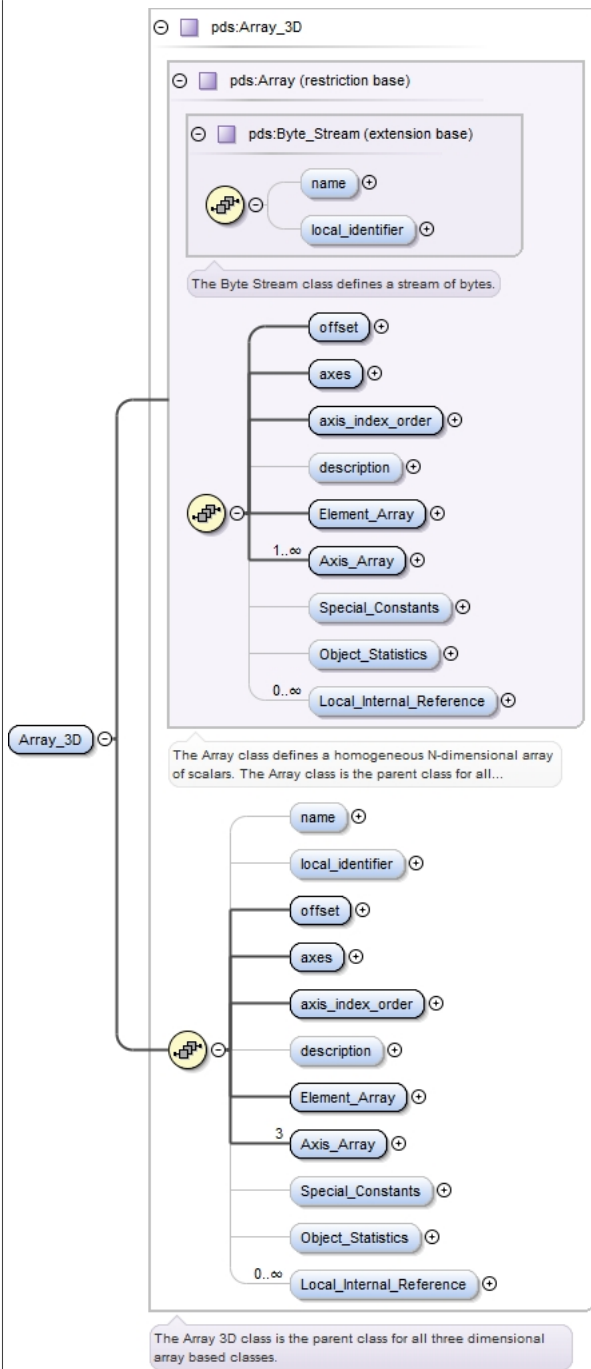
Type	pds:Array_2D_Spectrum
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Array • pds:Array_2D • pds:Array_2D_Spectrum
Properties	content: complex

Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array{2,2} , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference* , pds:Display_2D_Image{0,1}
Children	pds:Axis_Array, pds:Display_2D_Image, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Instance	<pre><pds:Array_2D_Spectrum xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:axes>{1,1}</pds:axes> <pds:axis_index_order>{1,1}</pds:axis_index_order> <pds:description>{0,1}</pds:description> <pds:Element_Array>{1,1}</pds:Element_Array> <pds:Axis_Array>{2,2}</pds:Axis_Array> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Object_Statistics>{0,1}</pds:Object_Statistics> <pds:Local_Internal_Reference>{0,unbounded}</pds:Local_Internal_Reference> <pds:Display_2D_Image>{0,1}</pds:Display_2D_Image> </pds:Array_2D_Spectrum></pre>
Source	<pre><xs:element name="Array_2D_Spectrum" type="pds:Array_2D_Spectrum"> </xs:element></pre>

Element pds:File_Area_Observational_Supplemental / pds:Array_3D

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram



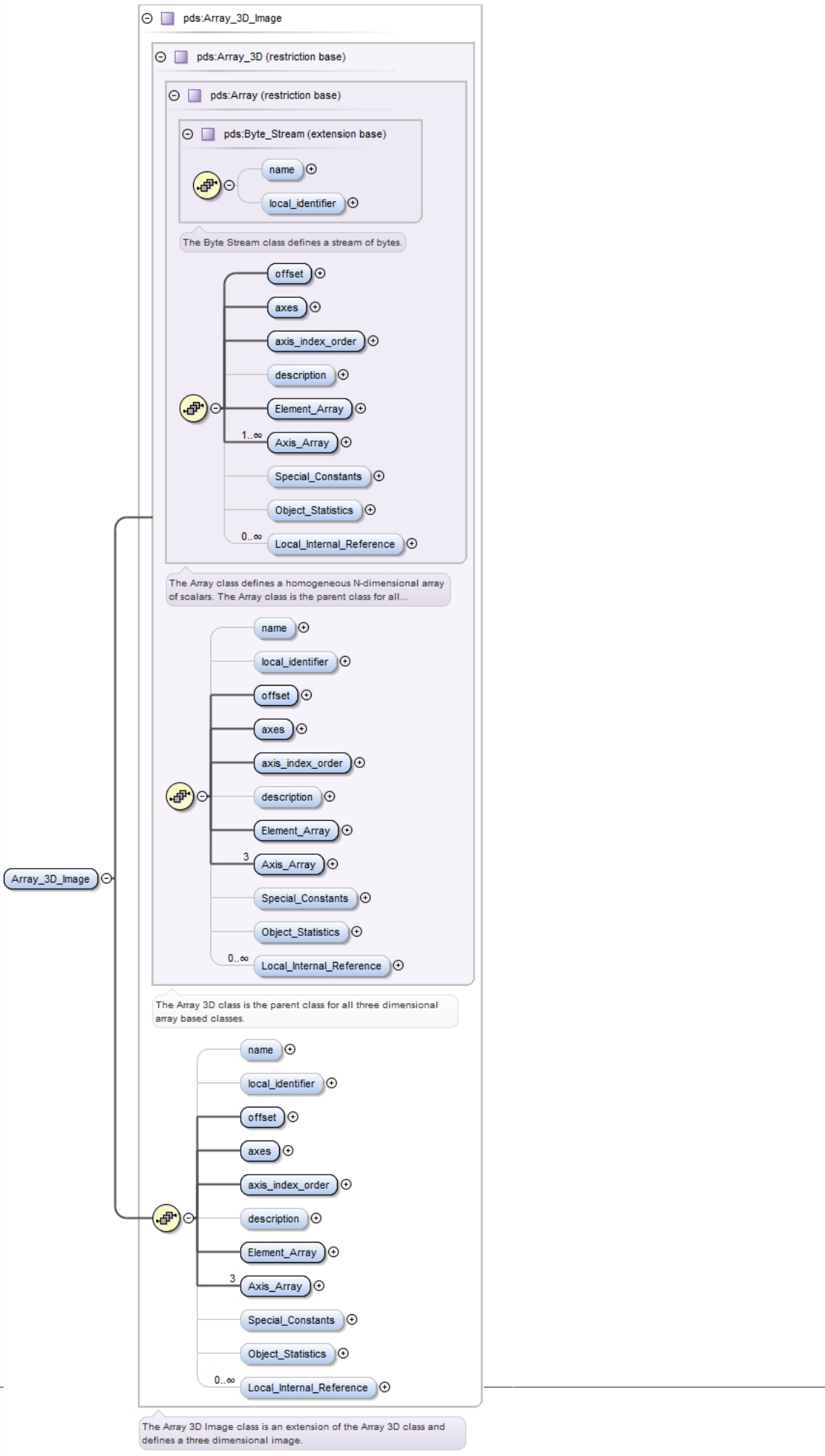
Type	pds:Array_3D
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Array • pds:Array_3D
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array{3,3} , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference*
Children	pds:Axis_Array, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Instance	<pre><pds:Array_3D xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:axes>{1,1}</pds:axes></pre>

	<pre> <pds:axis_index_order>{1,1}</pds:axis_index_order> <pds:description>{0,1}</pds:description> <pds:Element_Array>{1,1}</pds:Element_Array> <pds:Axis_Array>{3,3}</pds:Axis_Array> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Object_Statistics>{0,1}</pds:Object_Statistics> <pds:Local_Internal_Reference>{0,unbounded}</pds:Local_Internal_Reference> </pds:Array_3D> </pre>
Source	<pre> <xs:element name="Array_3D" type="pds:Array_3D"> </xs:element> </pre>

Element pds:File_Area_Observational_Supplemental / pds:Array_3D_Image

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram

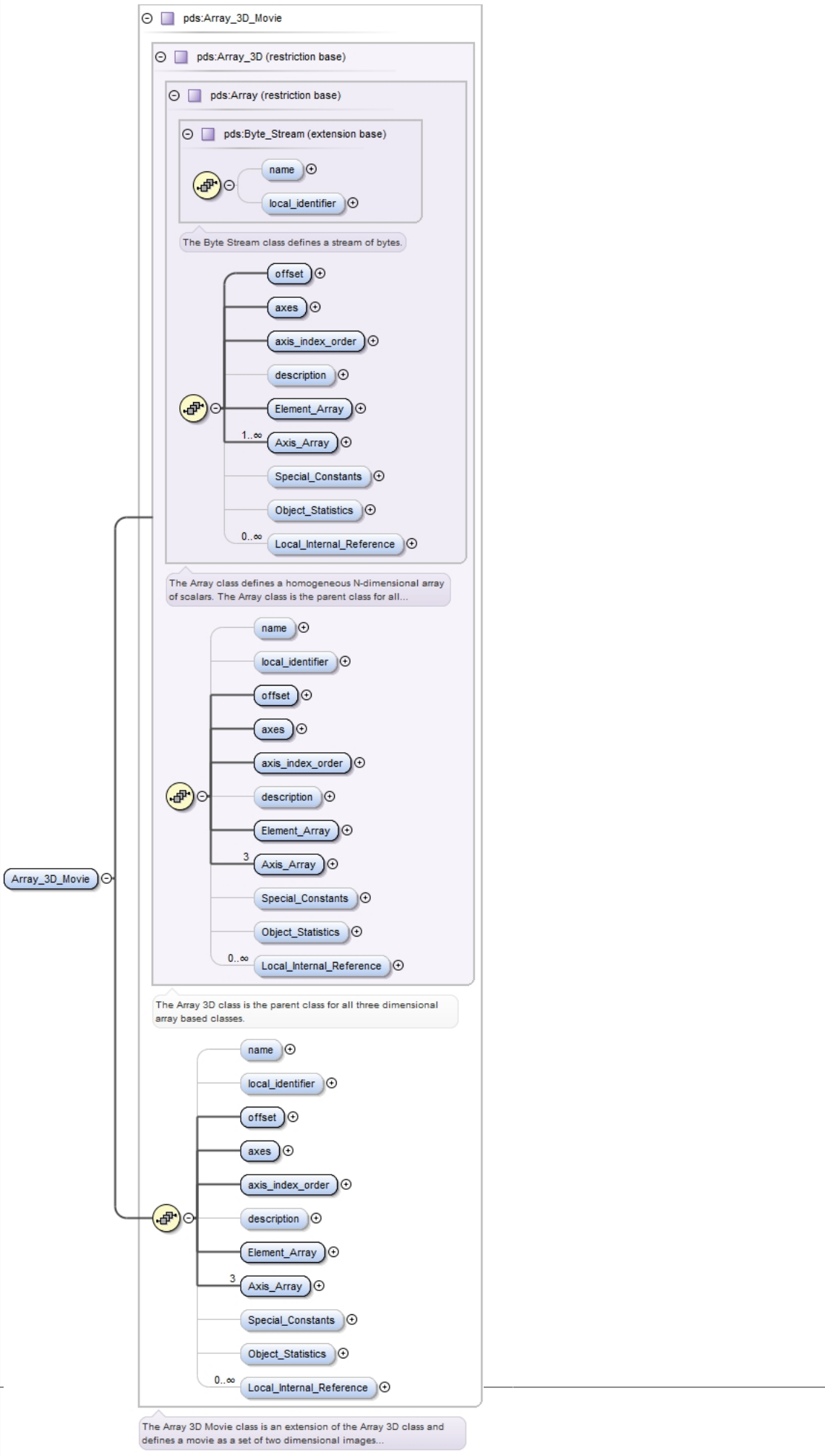


Type	pds:Array_3D_Image
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Array <ul style="list-style-type: none"> • pds:Array_3D <ul style="list-style-type: none"> • pds:Array_3D_Image
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array{3,3} , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference*
Children	pds:Axis_Array, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Instance	<pre><pds:Array_3D_Image xmlns:pds="http://pds.nasa.gov/pds4/pds/v1" > <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:axes>{1,1}</pds:axes> <pds:axis_index_order>{1,1}</pds:axis_index_order> <pds:description>{0,1}</pds:description> <pds:Element_Array>{1,1}</pds:Element_Array> <pds:Axis_Array>{3,3}</pds:Axis_Array> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Object_Statistics>{0,1}</pds:Object_Statistics> <pds:Local_Internal_Reference>{0,unbounded}</pds:Local_Internal_Reference> </pds:Array_3D_Image></pre>
Source	<pre><xs:element name="Array_3D_Image" type="pds:Array_3D_Image" > </xs:element></pre>

Element pds:File_Area_Observational_Supplemental / pds:Array_3D_Movie

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram

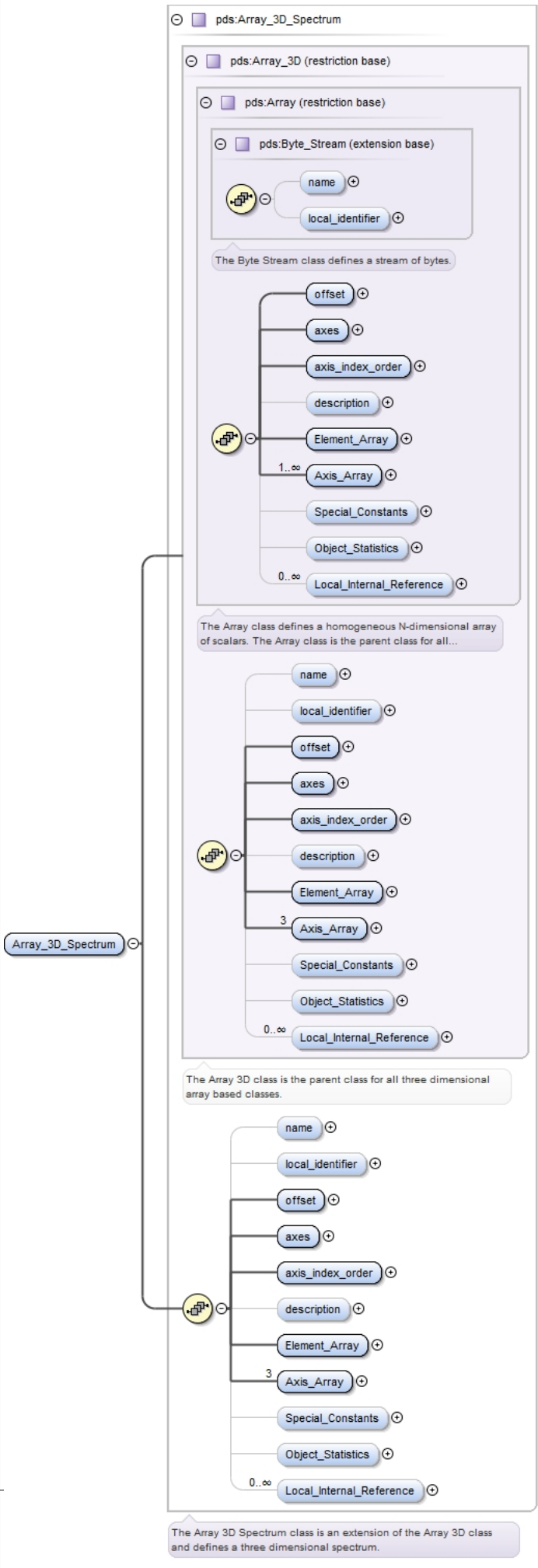


Type	pds:Array_3D_Movie
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Array <ul style="list-style-type: none"> • pds:Array_3D <ul style="list-style-type: none"> • pds:Array_3D_Movie
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array{3,3} , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference*
Children	pds:Axis_Array, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Instance	<pre><pds:Array_3D_Movie xmlns:pds="http://pds.nasa.gov/pds4/pds/v1" > <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:axes>{1,1}</pds:axes> <pds:axis_index_order>{1,1}</pds:axis_index_order> <pds:description>{0,1}</pds:description> <pds:Element_Array>{1,1}</pds:Element_Array> <pds:Axis_Array>{3,3}</pds:Axis_Array> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Object_Statistics>{0,1}</pds:Object_Statistics> <pds:Local_Internal_Reference>{0,unbounded}</pds:Local_Internal_Reference> </pds:Array_3D_Movie></pre>
Source	<pre><xs:element name="Array_3D_Movie" type="pds:Array_3D_Movie" > </xs:element></pre>

Element pds:File_Area_Observational_Supplemental / pds:Array_3D_Spectrum

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram



Type	pds:Array_3D_Spectrum
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Array <ul style="list-style-type: none"> • pds:Array_3D <ul style="list-style-type: none"> • pds:Array_3D_Spectrum
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array{3,3} , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference*
Children	pds:Axis_Array, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Instance	<pre><pds:Array_3D_Spectrum xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:axes>{1,1}</pds:axes> <pds:axis_index_order>{1,1}</pds:axis_index_order> <pds:description>{0,1}</pds:description> <pds:Element_Array>{1,1}</pds:Element_Array> <pds:Axis_Array>{3,3}</pds:Axis_Array> <pds:Special_Constants>{0,1}</pds:Special_Constants> <pds:Object_Statistics>{0,1}</pds:Object_Statistics> <pds:Local_Internal_Reference>{0,unbounded}</pds:Local_Internal_Reference> </pds:Array_3D_Spectrum></pre>
Source	<xs:element name="Array_3D_Spectrum" type="pds:Array_3D_Spectrum"></xs:element>

Element pds:File_Area_Observational_Supplemental / pds:Encoded_Binary

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	<pre> classDiagram class Encoded_Binary { name local_identifier offset object_length encoding_standard_id description } class Encoded_Byte_Stream { offset object_length encoding_standard_id description } class Byte_Stream { name local_identifier } Encoded_Binary -- > Encoded_Byte_Stream Encoded_Byte_Stream -- > Byte_Stream </pre> <p>The Byte Stream class defines a stream of bytes.</p> <p>The Encoded Byte Stream class defines byte streams that must be decoded by software before use. These byte streams must...</p> <p>The Encoded Binary class describes a binary encoded byte stream. This class is used to describe files in the repository...</p>
Type	pds:Encoded_Binary

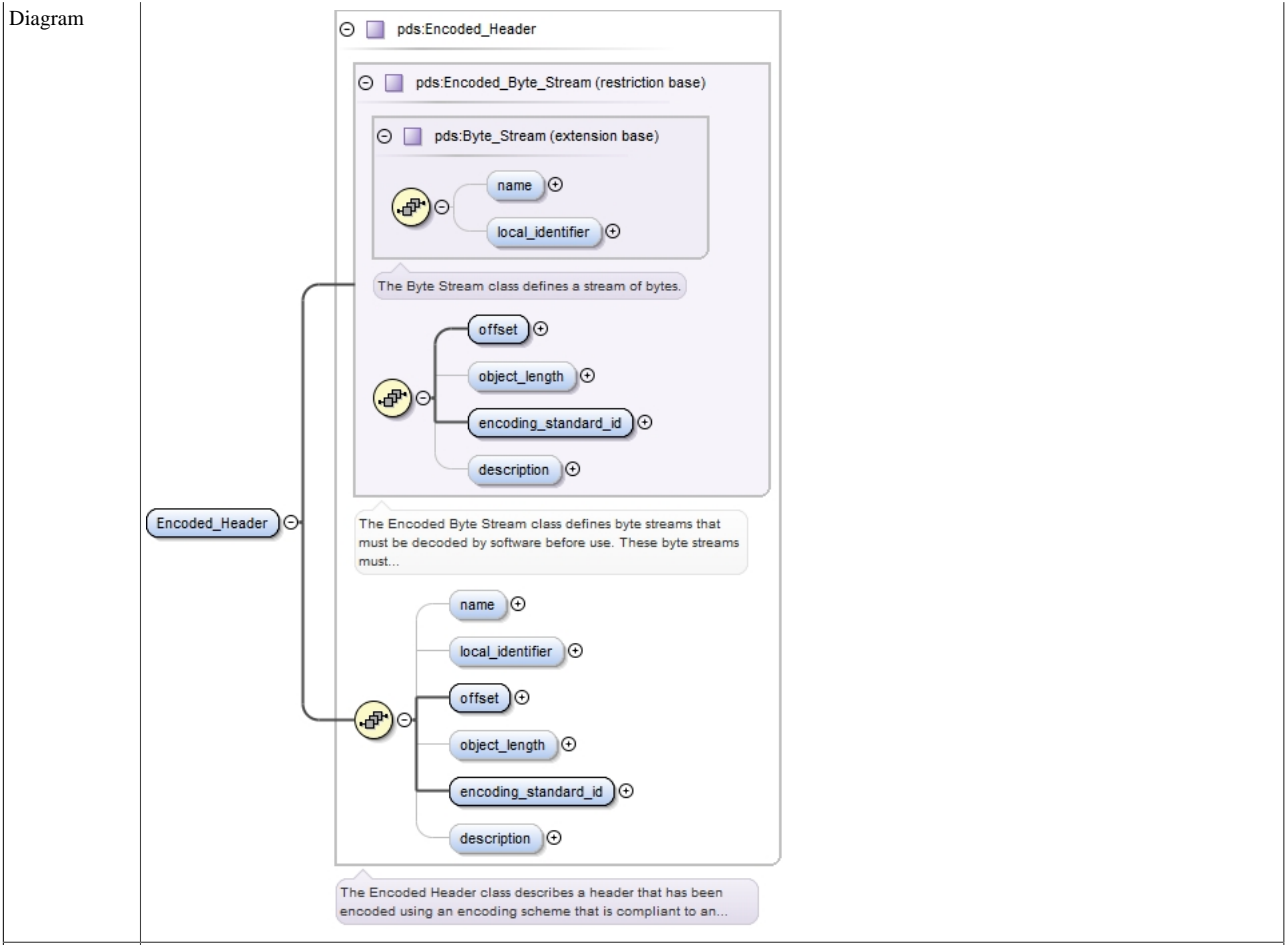
Type hierarchy	<ul style="list-style-type: none"> pds:Byte_Stream pds:Encoded_Byte_Stream pds:Encoded_Binary
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:encoding_standard_id , pds:description{0,1}
Children	pds:description, pds:encoding_standard_id, pds:local_identifier, pds:name, pds:object_length, pds:offset
Instance	<pre><pds:Encoded_Binary xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:object_length unit="">{0,1}</pds:object_length> <pds:encoding_standard_id>{1,1}</pds:encoding_standard_id> <pds:description>{0,1}</pds:description> </pds:Encoded_Binary></pre>
Source	<pre><xs:element name="Encoded_Binary" type="pds:Encoded_Binary"> </xs:element></pre>

Element pds:File_Area_Observational_Supplemental / pds:Encoded_Byte_Stream

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Encoded_Byte_Stream
Type hierarchy	<ul style="list-style-type: none"> pds:Byte_Stream pds:Encoded_Byte_Stream
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:encoding_standard_id , pds:description{0,1}
Children	pds:description, pds:encoding_standard_id, pds:local_identifier, pds:name, pds:object_length, pds:offset
Instance	<pre><pds:Encoded_Byte_Stream xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:object_length unit="">{0,1}</pds:object_length> <pds:encoding_standard_id>{1,1}</pds:encoding_standard_id> <pds:description>{0,1}</pds:description> </pds:Encoded_Byte_Stream></pre>
Source	<pre><xs:element name="Encoded_Byte_Stream" type="pds:Encoded_Byte_Stream"> </xs:element></pre>

Element pds:File_Area_Observational_Supplemental / pds:Encoded_Header

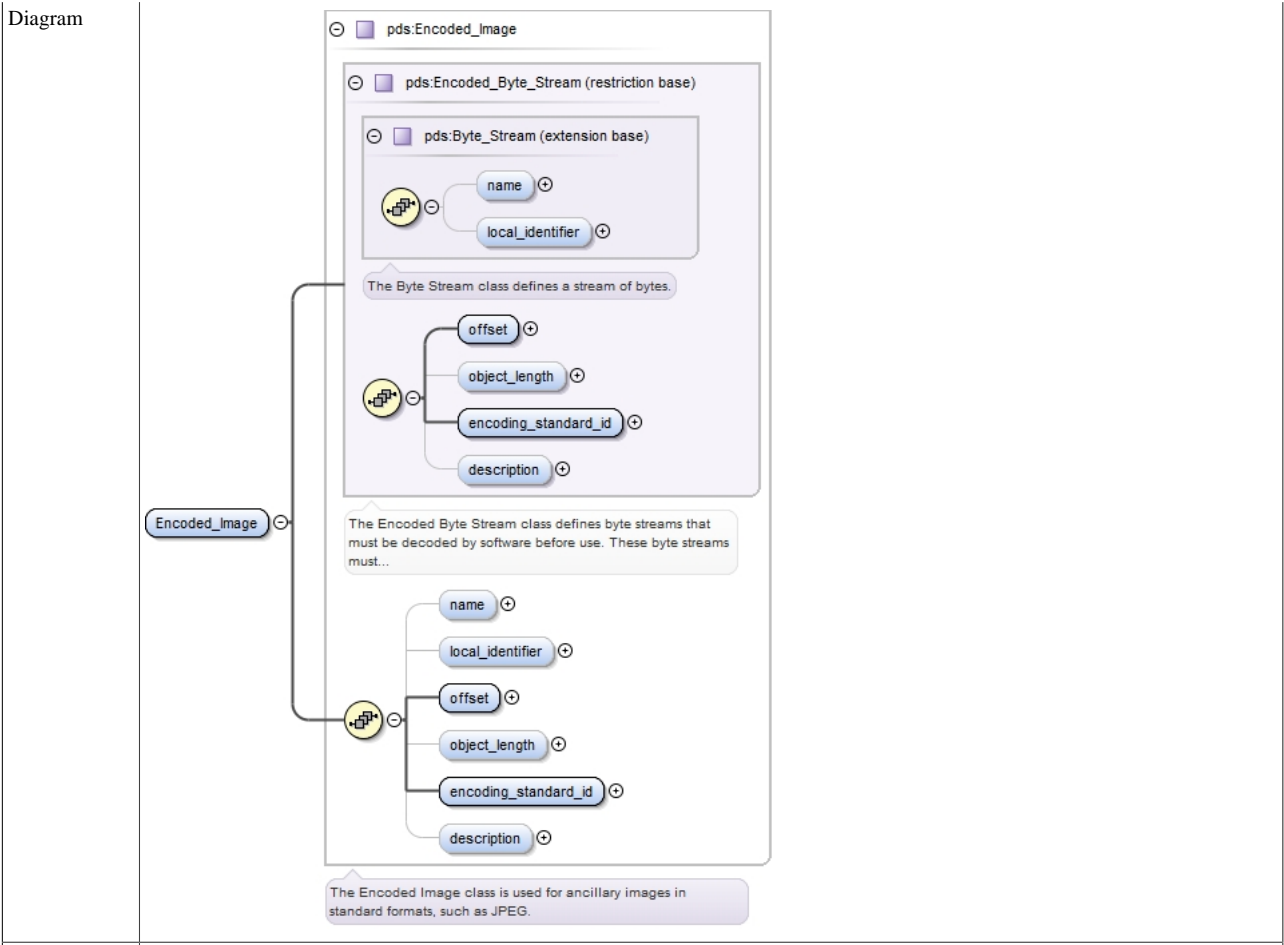
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Type	pds:Encoded_Header
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Encoded_Byte_Stream • pds:Encoded_Header
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:encoding_standard_id , pds:description{0,1}
Children	pds:description, pds:encoding_standard_id, pds:local_identifier, pds:name, pds:object_length, pds:offset
Instance	<pre><pds:Encoded_Header xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:object_length unit="">{0,1}</pds:object_length> <pds:encoding_standard_id>{1,1}</pds:encoding_standard_id> <pds:description>{0,1}</pds:description> </pds:Encoded_Header></pre>
Source	<pre><xs:element name="Encoded_Header" type="pds:Encoded_Header"> </xs:element></pre>

Element pds:File_Area_Observational_Supplemental / pds:Encoded_Image

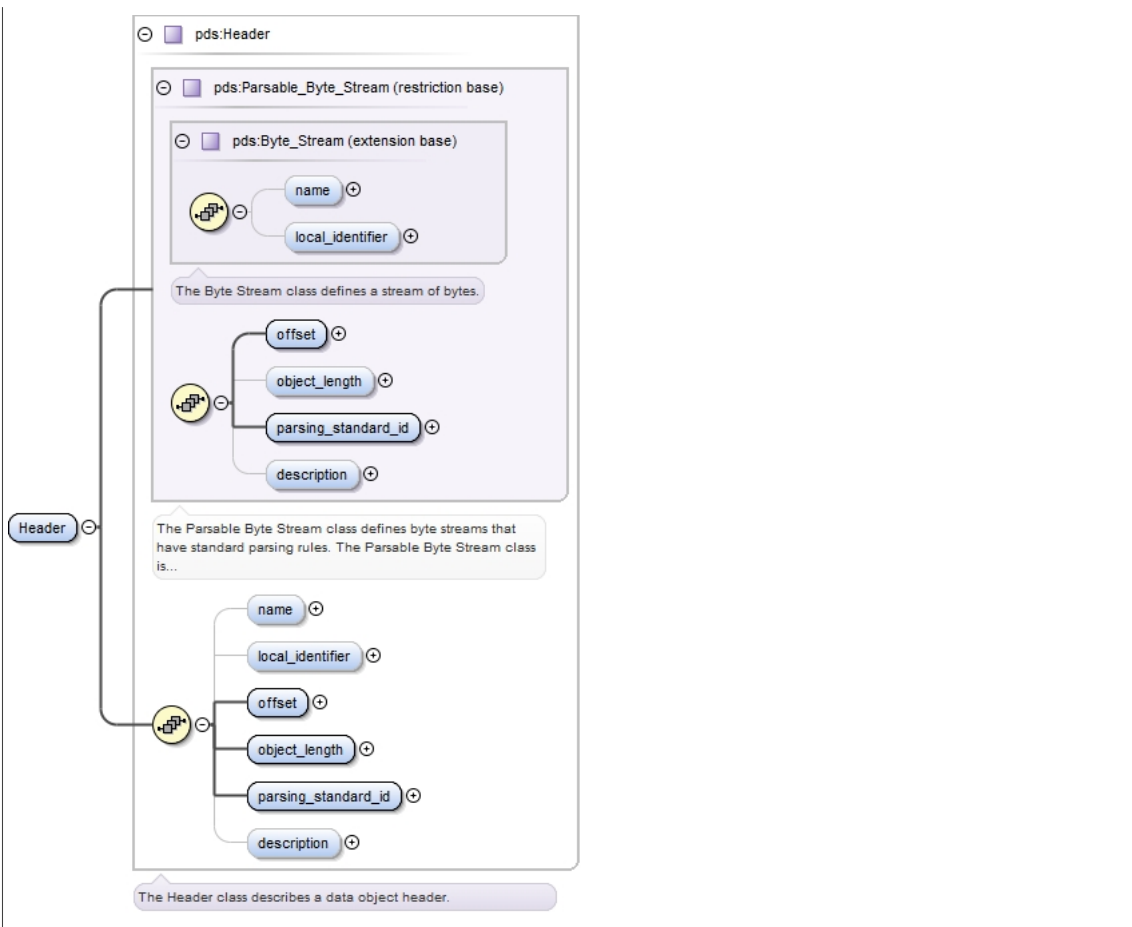
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Type	pds:Encoded_Image
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Encoded_Byte_Stream • pds:Encoded_Image
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:encoding_standard_id , pds:description{0,1}
Children	pds:description, pds:encoding_standard_id, pds:local_identifier, pds:name, pds:object_length, pds:offset
Instance	<pre><pds:Encoded_Image xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:object_length unit="">{0,1}</pds:object_length> <pds:encoding_standard_id>{1,1}</pds:encoding_standard_id> <pds:description>{0,1}</pds:description> </pds:Encoded_Image></pre>
Source	<pre><xs:element name="Encoded_Image" type="pds:Encoded_Image"> </xs:element></pre>

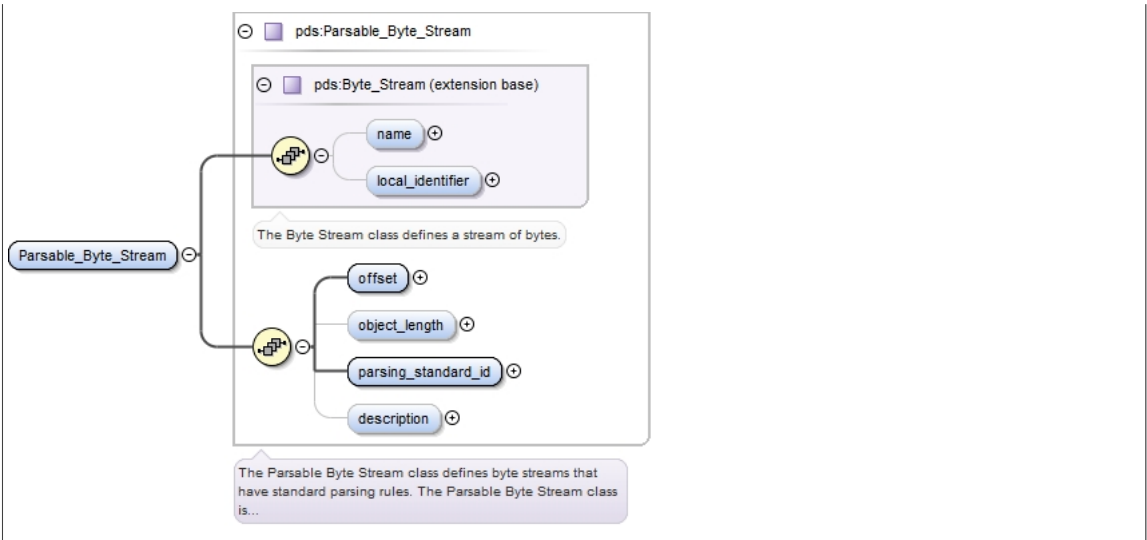
Element pds:File_Area_Observational_Supplemental / pds:Header

Namespace	http://pds.nasa.gov/pds4/pds/v1
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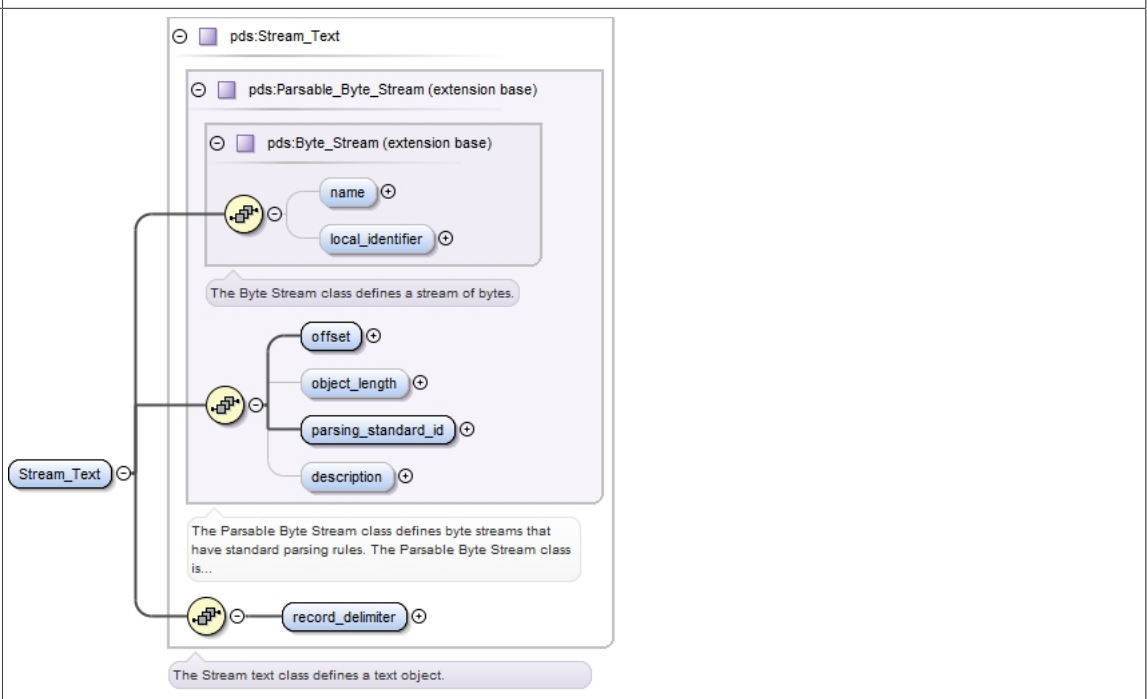
Diagram	
Type	pds:Header
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Parsable_Byte_Stream • pds:Header
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length , pds:parsing_standard_id , pds:description{0,1}
Children	pds:description, pds:local_identifier, pds:name, pds:object_length, pds:offset, pds:parsing_standard_id
Instance	<pre><pds:Header xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:object_length unit="">{1,1}</pds:object_length> <pds:parsing_standard_id>{1,1}</pds:parsing_standard_id> <pds:description>{0,1}</pds:description> </pds:Header></pre>
Source	<pre><xs:element name="Header" type="pds:Header"> </xs:element></pre>

Element pds:File_Area_Observational_Supplemental / pds:Parsable_Byte_Stream

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram	
Type	pds:Parseable_Byte_Stream
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Parseable_Byte_Stream
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:parsing_standard_id , pds:description{0,1}
Children	pds:description, pds:local_identifier, pds:name, pds:object_length, pds:offset, pds:parsing_standard_id
Instance	<pre> <pds:Parseable_Byte_Stream xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:object_length unit="">{0,1}</pds:object_length> <pds:parsing_standard_id>{1,1}</pds:parsing_standard_id> <pds:description>{0,1}</pds:description> </pds:Parseable_Byte_Stream> </pre>
Source	<pre> <xs:element name="Parseable_Byte_Stream" type="pds:Parseable_Byte_Stream"> </xs:element> </pre>

Element pds:File_Area_Observational_Supplemental / pds:Stream_Text

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	

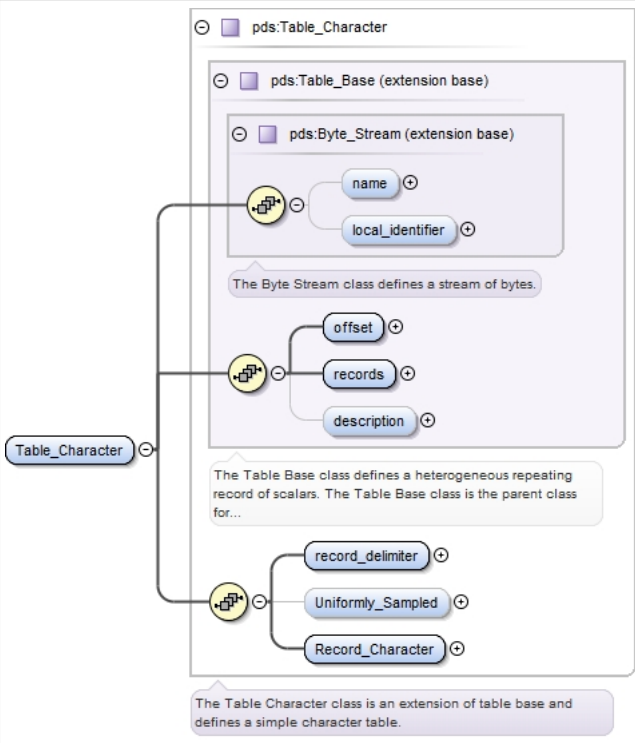
Type	pds:Stream_Text
Type hierarchy	<ul style="list-style-type: none"> pds:Byte_Stream pds:Parsable_Byte_Stream pds:Stream_Text
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:parsing_standard_id , pds:description{0,1} , pds:record_delimiter
Children	pds:description, pds:local_identifier, pds:name, pds:object_length, pds:offset, pds:parsing_standard_id, pds:record_delimiter
Instance	<pre><pds:Stream_Text xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:object_length unit="">{0,1}</pds:object_length> <pds:parsing_standard_id>{1,1}</pds:parsing_standard_id> <pds:description>{0,1}</pds:description> <pds:record_delimiter>{1,1}</pds:record_delimiter> </pds:Stream_Text></pre>
Source	<pre><xs:element name="Stream_Text" type="pds:Stream_Text"> </xs:element></pre>

Element pds:File_Area_Observational_Supplemental / pds:Table_Binary

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	<pre> classDiagram class pds_Byte_Stream { name local_identifier } class pds_Table_Base { offset records description } class pds_Table_Binary { record_delimiter Uniformly_Sampled Record_Binary } pds_Byte_Stream < -- pds_Table_Base pds_Table_Base < -- pds_Table_Binary </pre>
Type	pds:Table_Binary
Type hierarchy	<ul style="list-style-type: none"> pds:Byte_Stream pds:Table_Base pds:Table_Binary
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:records , pds:description{0,1} , pds:record_delimiter{0,1} , pds:Uniformly_Sampled{0,1} , pds:Record_Binary
Children	pds:Record_Binary, pds:Uniformly_Sampled, pds:description, pds:local_identifier, pds:name, pds:offset, pds:record_delimiter, pds:records
Instance	<pre><pds:Table_Binary xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name></pre>

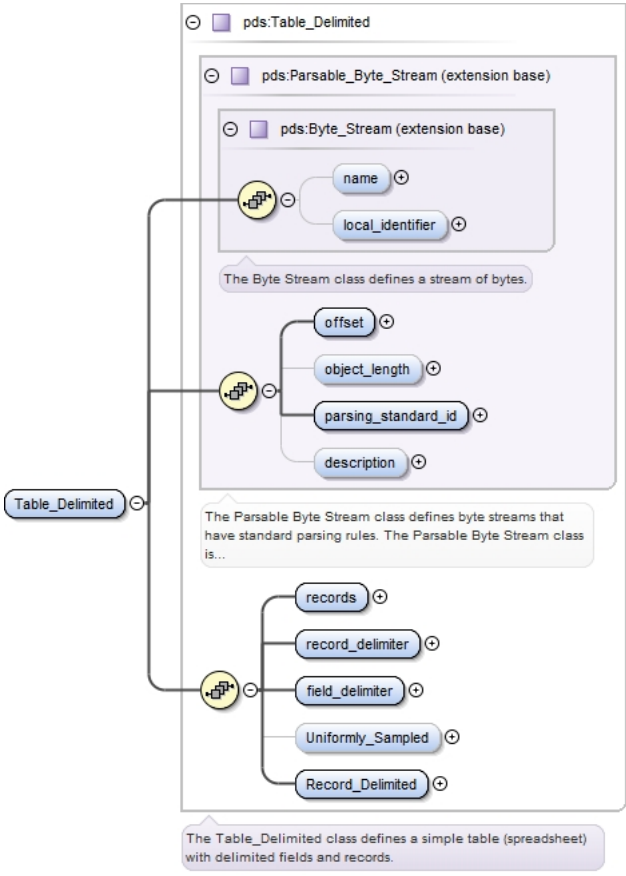
	<pre> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:records>{1,1}</pds:records> <pds:description>{0,1}</pds:description> <pds:record_delimiter>{0,1}</pds:record_delimiter> <pds:Uniformly_Sampled>{0,1}</pds:Uniformly_Sampled> <pds:Record_Binary>{1,1}</pds:Record_Binary> </pds:Table_Binary> </pre>
Source	<pre> <xs:element name="Table_Binary" type="pds:Table_Binary"> </xs:element> </pre>

Element pds:File_Area_Observational_Supplemental / pds:Table_Character

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Table_Character
Type hierarchy	<ul style="list-style-type: none"> pds:Byte_Stream pds:Table_Base pds:Table_Character
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:records , pds:description{0,1} , pds:record_delimiter , pds:Uniformly_Sampled{0,1} , pds:Record_Character
Children	pds:Record_Character, pds:Uniformly_Sampled, pds:description, pds:local_identifier, pds:name, pds:offset, pds:record_delimiter, pds:records
Instance	<pre> <pds:Table_Character xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:records>{1,1}</pds:records> <pds:description>{0,1}</pds:description> <pds:record_delimiter>{1,1}</pds:record_delimiter> <pds:Uniformly_Sampled>{0,1}</pds:Uniformly_Sampled> <pds:Record_Character>{1,1}</pds:Record_Character> </pds:Table_Character> </pre>
Source	<pre> <xs:element name="Table_Character" type="pds:Table_Character"> </xs:element> </pre>

Element pds:File_Area_Observational_Supplemental / pds:Table_Delimited

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram	
Type	pds:Table_Delimited
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Parsable_Byte_Stream • pds:Table_Delimited
Properties	content: complex
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:parsing_standard_id , pds:description{0,1} , pds:records , pds:record_delimiter , pds:field_delimiter , pds:Uniformly_Sampled{0,1} , pds:Record_Delimited
Children	pds:Record_Delimited, pds:Uniformly_Sampled, pds:description, pds:field_delimiter, pds:local_identifier, pds:name, pds:object_length, pds:offset, pds:parsing_standard_id, pds:record_delimiter, pds:records
Instance	<pre><pds:Table_Delimited xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:object_length unit="">{0,1}</pds:object_length> <pds:parsing_standard_id>{1,1}</pds:parsing_standard_id> <pds:description>{0,1}</pds:description> <pds:records>{1,1}</pds:records> <pds:record_delimiter>{1,1}</pds:record_delimiter> <pds:field_delimiter>{1,1}</pds:field_delimiter> <pds:Uniformly_Sampled>{0,1}</pds:Uniformly_Sampled> <pds:Record_Delimited>{1,1}</pds:Record_Delimited> </pds:Table_Delimited></pre>
Source	<pre><xs:element name="Table_Delimited" type="pds:Table_Delimited"> </xs:element></pre>

Element pds:Product_Proxy_PDS3

Namespace	http://pds.nasa.gov/pds4/pds/v1
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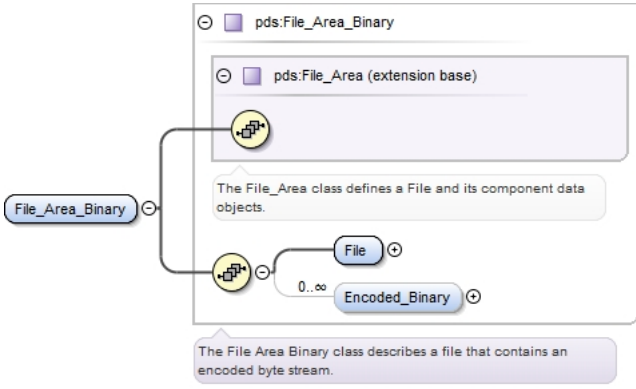
Diagram	
Type	pds:Product_Proxy_PDS3
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_Proxy_PDS3
Properties	content: complex
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:File_Area_Binary+
Children	pds:File_Area_Binary, pds:Identification_Area, pds:Reference_List
Instance	<pre><pds:Product_Proxy_PDS3 xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Identification_Area>{1,1}</pds:Identification_Area> <pds:Reference_List>{0,1}</pds:Reference_List> <pds:File_Area_Binary>{1,unbounded}</pds:File_Area_Binary> </pds:Product_Proxy_PDS3></pre>
Source	<pre><xs:element name="Product_Proxy_PDS3" type="pds:Product_Proxy_PDS3"> </xs:element></pre>

Element pds:Product_Proxy_PDS3 / pds:Reference_List

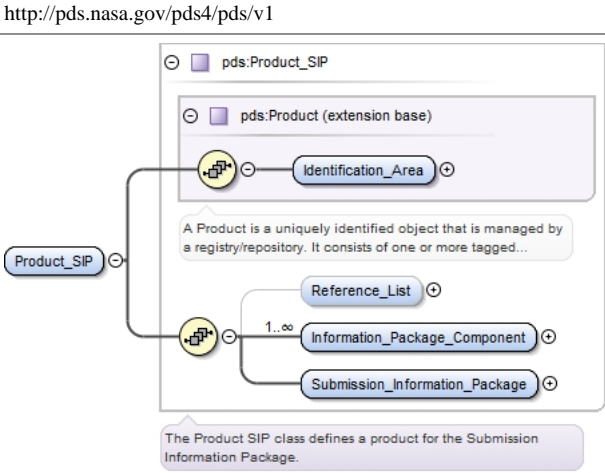
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Reference_List						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:Internal_Reference* , pds:External_Reference*						
Children	pds:External_Reference, pds:Internal_Reference						
Instance	<pre><pds:Reference_List xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Internal_Reference>{0,unbounded}</pds:Internal_Reference> <pds:External_Reference>{0,unbounded}</pds:External_Reference> </pds:Reference_List></pre>						
Source	<pre><xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_Proxy_PDS3 / pds:File_Area_Binary

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:File_Area_Binary						
Type hierarchy	<ul style="list-style-type: none"> pds:File_Area pds:File_Area_Binary 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	pds:File , pds:Encoded_Binary*						
Children	pds:Encoded_Binary, pds:File						
Instance	<pre><pds:File_Area_Binary xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:File>{1,1}</pds:File> <pds:Encoded_Binary>{0,unbounded}</pds:Encoded_Binary> </pds:File_Area_Binary></pre>						
Source	<pre><xs:element name="File_Area_Binary" type="pds:File_Area_Binary" minOccurs="1" maxOccurs="unbounded"> </xs:element></pre>						

Element pds:Product_SIP

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:Product_SIP		
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_SIP 		
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> </table>	content:	complex
content:	complex		
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:Information_Package_Component+ , pds:Submission_Information_Package		
Children	pds:Identification_Area, pds:Information_Package_Component, pds:Reference_List, pds:Submission_Information_Package		
Instance	<pre><pds:Product_SIP xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Identification_Area>{1,1}</pds:Identification_Area> <pds:Reference_List>{0,1}</pds:Reference_List> <pds:Information_Package_Component>{1,unbounded}</pds:Information_Package_Component> <pds:Submission_Information_Package>{1,1}</pds:Submission_Information_Package> </pds:Product_SIP></pre>		

	</pds:Product_SIP>
Source	<xs:element name="Product_SIP" type="pds:Product_SIP"> </xs:element>

Element pds:Product_SIP / pds:Reference_List

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Reference_List						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:Internal_Reference* , pds:External_Reference*						
Children	pds:External_Reference, pds:Internal_Reference						
Instance	<pds:Reference_List xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Internal_Reference>{0,unbounded}</pds:Internal_Reference> <pds:External_Reference>{0,unbounded}</pds:External_Reference> </pds:Reference_List>						
Source	<xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element>						

Element pds:Product_SIP / pds:Information_Package_Component

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Information_Package_Component						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	pds:checksum_manifest_checksum{0,1} , pds:checksum_type{0,1} , pds:transfer_manifest_checksum{0,1} , pds:Internal_Reference+ , pds:File_Area_Checksum_Manifest{0,1} , pds:File_Area_Transfer_Manifest{0,1}						
Children	pds:File_Area_Checksum_Manifest, pds:File_Area_Transfer_Manifest, pds:Internal_Reference, pds:checksum_manifest_checksum, pds:checksum_type, pds:transfer_manifest_checksum						
Instance	<pds:Information_Package_Component xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:checksum_manifest_checksum>{0,1}</pds:checksum_manifest_checksum> <pds:checksum_type>{0,1}</pds:checksum_type> <pds:transfer_manifest_checksum>{0,1}</pds:transfer_manifest_checksum> <pds:Internal_Reference>{1,unbounded}</pds:Internal_Reference> <pds:File_Area_Checksum_Manifest>{0,1}</pds:File_Area_Checksum_Manifest> <pds:File_Area_Transfer_Manifest>{0,1}</pds:File_Area_Transfer_Manifest> </pds:Information_Package_Component>						

Source	<pre><xs:element name="Information_Package_Component" type="pds:Information_Package_Component" minOccurs="1" maxOccurs="unbounded" > </xs:element></pre>
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Element pds:Product_SIP / pds:Submission_Information_Package

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Submission_Information_Package						
Type hierarchy	<ul style="list-style-type: none"> pds:Information_Package pds:Submission_Information_Package 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:description						
Children	pds:description						
Instance	<pre><pds:Submission_Information_Package xmlns:pds="http://pds.nasa.gov/pds4/pds/v1" > <pds:description>{1,1}</pds:description> </pds:Submission_Information_Package></pre>						
Source	<pre><xs:element name="Submission_Information_Package" type="pds:Submission_Information_Package" minOccurs="1" maxOccurs="1" > </xs:element></pre>						

Element pds:Submission_Information_Package / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:UTF8_Text_Preserved pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	minLength 1						
Source	<pre><xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1" > </xs:element></pre>						

Element pds:Product_SIP_Deep_Archive

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram	
Type	pds:Product_SIP_Deep_Archive
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_SIP_Deep_Archive
Properties	content: complex
Model	pds:Identification_Area , pds:Information_Package_Component_Deep_Archive , pds:SIP_Deep_Archive , pds:Reference_List{0,1}
Children	pds:Identification_Area, pds:Information_Package_Component_Deep_Archive, pds:Reference_List, pds:SIP_Deep_Archive
Instance	<pre><pds:Product_SIP_Deep_Archive xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Identification_Area>{1,1}</pds:Identification_Area> <pds:Information_Package_Component_Deep_Archive>{1,1}</pds:Information_Package_Component_Deep_Archive> <pds:SIP_Deep_Archive>{1,1}</pds:SIP_Deep_Archive> <pds:Reference_List>{0,1}</pds:Reference_List> </pds:Product_SIP_Deep_Archive></pre>
Source	<pre><xs:element name="Product_SIP_Deep_Archive" type="pds:Product_SIP_Deep_Archive"> </xs:element></pre>

Element pds:Product_SIP_Deep_Archive / pds:Information_Package_Component_Deep_Archive

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Information_Package_Component_Deep_Archive						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:manifest_checksum , pds:checksum_type , pds:manifest_url , pds:File_Area_SIP_Deep_Archive , pds:Internal_Reference						
Children	pds:File_Area_SIP_Deep_Archive, pds:Internal_Reference, pds:checksum_type, pds:manifest_checksum, pds:manifest_url						
Instance	<pre><pds:Information_Package_Component_Deep_Archive xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:manifest_checksum>{1,1}</pds:manifest_checksum> <pds:checksum_type>{1,1}</pds:checksum_type> <pds:manifest_url>{1,1}</pds:manifest_url> <pds:File_Area_SIP_Deep_Archive>{1,1}</pds:File_Area_SIP_Deep_Archive> <pds:Internal_Reference>{1,1}</pds:Internal_Reference> </pds:Information_Package_Component_Deep_Archive></pre>						

Source	<pre><xs:element name="Information_Package_Component_Deep_Archive" type="pds:Information_Package_Component_Deep_Archive" minOccurs="1" maxOccurs="1"> </xs:element></pre>
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Element pds:Information_Package_Component_Deep_Archive / pds:manifest_checksum

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:manifest_checksum						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:manifest_checksum 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="manifest_checksum" type="pds:manifest_checksum" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Information_Package_Component_Deep_Archive / pds:checksum_type

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:checksum_type						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:checksum_type 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="checksum_type" type="pds:checksum_type" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Information_Package_Component_Deep_Archive / pds:manifest_url

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:manifest_url
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed

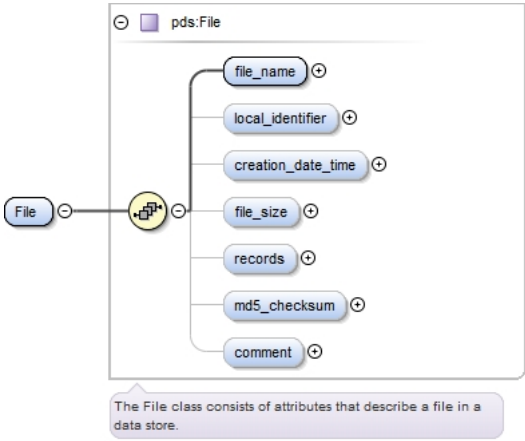
	<ul style="list-style-type: none"> • pds:manifest_url 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="manifest_url" type="pds:manifest_url" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Information_Package_Component_Deep_Archive / pds:File_Area_SIP_Deep_Archive

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<pre> classDiagram class File_Area_SIP_Deep_Archive { File_Area_SIP_Deep_Archive } class File_Area["pds:File_Area (extension base)"] { File_Area } class File { File } class Manifest_SIP_Deep_Archive { Manifest_SIP_Deep_Archive } File_Area_SIP_Deep_Archive -- File_Area File_Area_SIP_Deep_Archive -- File File_Area_SIP_Deep_Archive -- Manifest_SIP_Deep_Archive </pre> <p>The File_Area class defines a File and its component data objects.</p> <p>The File Area SIP Deep Archive class describes the File Area for the Submission Information Package (SIP) for the NASA...</p>						
Type	pds:File_Area_SIP_Deep_Archive						
Type hierarchy	<ul style="list-style-type: none"> • pds:File_Area • pds:File_Area_SIP_Deep_Archive 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:File , pds:Manifest_SIP_Deep_Archive						
Children	pds:File, pds:Manifest_SIP_Deep_Archive						
Instance	<pre><pds:File_Area_SIP_Deep_Archive xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:File>{1,1}</pds:File> <pds:Manifest_SIP_Deep_Archive>{1,1}</pds:Manifest_SIP_Deep_Archive> </pds:File_Area_SIP_Deep_Archive></pre>						
Source	<pre><xs:element name="File_Area_SIP_Deep_Archive" type="pds:File_Area_SIP_Deep_Archive" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:File_Area_SIP_Deep_Archive / pds:File

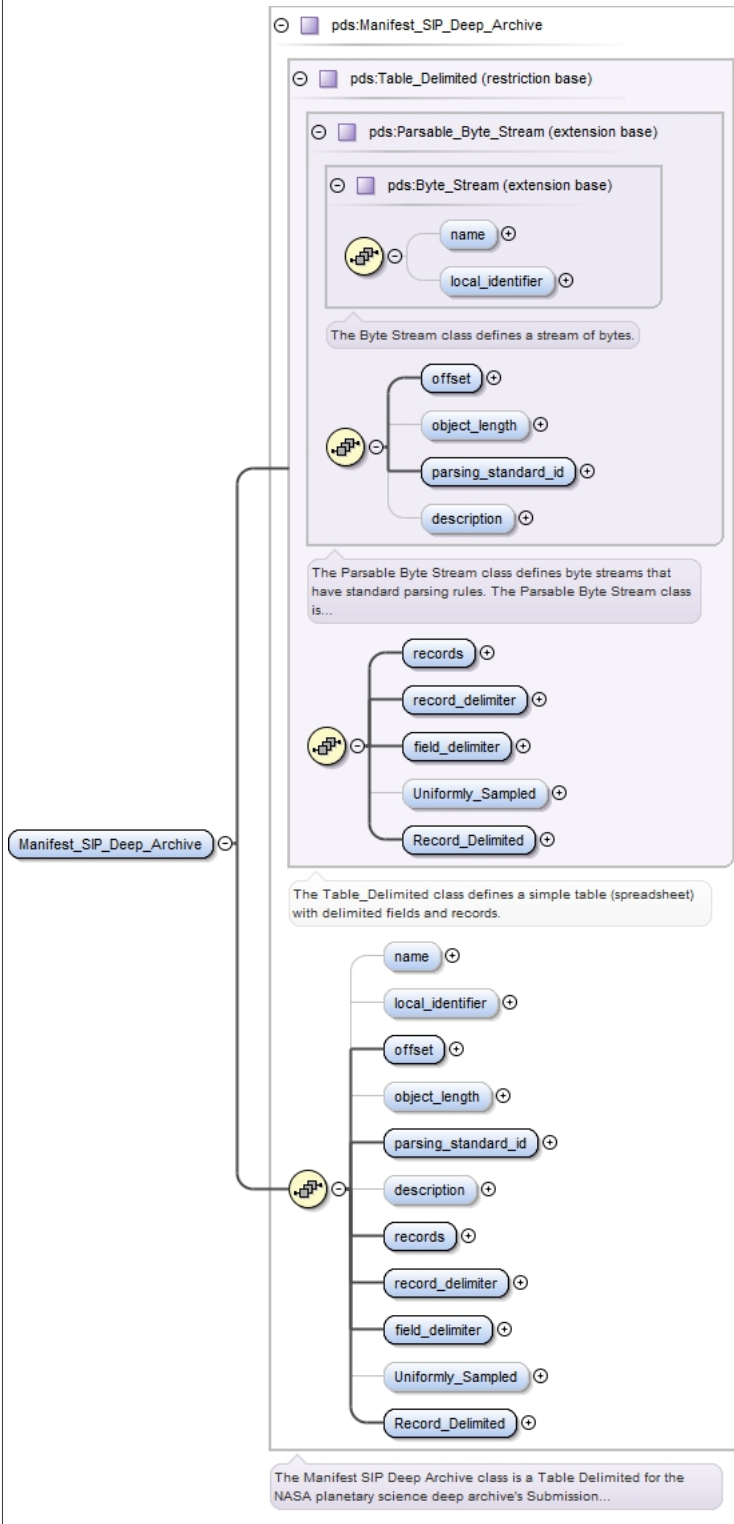
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:File						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:file_name , pds:local_identifier{0,1} , pds:creation_date_time{0,1} , pds:file_size{0,1} , pds:records{0,1} , pds:md5_checksum{0,1} , pds:comment{0,1}						
Children	pds:comment, pds:creation_date_time, pds:file_name, pds:file_size, pds:local_identifier, pds:md5_checksum, pds:records						
Instance	<pre><pds:File xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:file_name>{1,1}</pds:file_name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:creation_date_time>{0,1}</pds:creation_date_time> <pds:file_size unit="">{0,1}</pds:file_size> <pds:records>{0,1}</pds:records> <pds:md5_checksum>{0,1}</pds:md5_checksum> <pds:comment>{0,1}</pds:comment> </pds:File></pre>						
Source	<pre><xs:element name="File" type="pds:File" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:File_Area_SIP_Deep_Archive / pds:Manifest_SIP_Deep_Archive

Namespace	http://pds.nasa.gov/pds4/pds/v1
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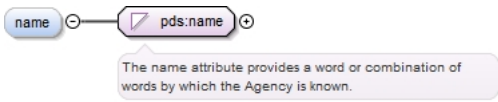
Diagram



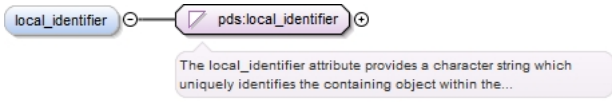
Type	pds:Manifest_SIP_Deep_Archive
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Parsable_Byte_Stream • pds:Table_Delimited • pds:Manifest_SIP_Deep_Archive
Properties	<p>content: complex</p> <hr/> <p>minOccurs: 1</p>

	maxOccurs: 1
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:parsing_standard_id , pds:description{0,1} , pds:records , pds:record_delimiter , pds:field_delimiter , pds:Uniformly_Sampled{0,1} , pds:Record_Delimited
Children	pds:Record_Delimited, pds:Uniformly_Sampled, pds:description, pds:field_delimiter, pds:local_identifier, pds:name, pds:object_length, pds:offset, pds:parsing_standard_id, pds:record_delimiter, pds:records
Instance	<pre><pds:Manifest_SIP_Deep_Archive xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:object_length unit="">{0,1}</pds:object_length> <pds:parsing_standard_id>{1,1}</pds:parsing_standard_id> <pds:description>{0,1}</pds:description> <pds:records>{1,1}</pds:records> <pds:record_delimiter>{1,1}</pds:record_delimiter> <pds:field_delimiter>{1,1}</pds:field_delimiter> <pds:Uniformly_Sampled>{0,1}</pds:Uniformly_Sampled> <pds:Record_Delimited>{1,1}</pds:Record_Delimited> </pds:Manifest_SIP_Deep_Archive></pre>
Source	<pre><xs:element name="Manifest_SIP_Deep_Archive" type="pds:Manifest_SIP_Deep_Archive" minOccurs="1" maxOccurs="1"> </xs:element></pre>

Element pds:Manifest_SIP_Deep_Archive / pds:name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:UTF8_Short_String_Collapsed pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<pre><xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Manifest_SIP_Deep_Archive / pds:local_identifier

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:local_identifier						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:local_identifier 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						

	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"> </xs:element></code>	

Element pds:Manifest_SIP_Deep_Archive / pds:offset

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:offset		
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:offset_WO_Units • pds:offset 		
Properties	content:	complex	
	minOccurs:	1	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Storage	required
Source	<code><xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1"> </xs:element></code>		

Element pds:Manifest_SIP_Deep_Archive / pds:object_length

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:object_length		
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:object_length_WO_Units • pds:object_length 		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Storage	required
Source	<code><xs:element name="object_length" type="pds:object_length" minOccurs="0" maxOccurs="1"></code>		

</xs:element>

Element pds:Manifest_SIP_Deep_Archive / pds:parsing_standard_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:parsing_standard_id						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:parsing_standard_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<xs:element name="parsing_standard_id" type="pds:parsing_standard_id" minOccurs="1" maxOccurs="1"></xs:element>						

Element pds:Manifest_SIP_Deep_Archive / pds:description

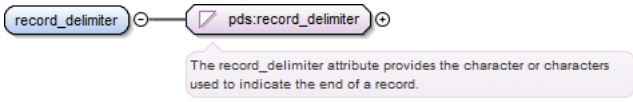
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:UTF8_Text_Preserved pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"></xs:element>						

Element pds:Manifest_SIP_Deep_Archive / pds:records

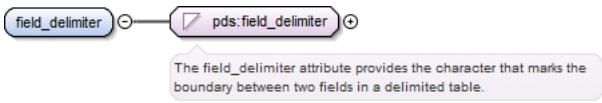
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:records		
Type hierarchy	<ul style="list-style-type: none"> xs:integer pds:ASCII_Integer pds:records 		
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> </table>	content:	simple
content:	simple		

	minOccurs:	1
	maxOccurs:	1
Facets	minInclusive	1
Source	<code><xs:element name="records" type="pds:records" minOccurs="1" maxOccurs="1"> </xs:element></code>	

Element pds:Manifest_SIP_Deep_Archive / pds:record_delimiter

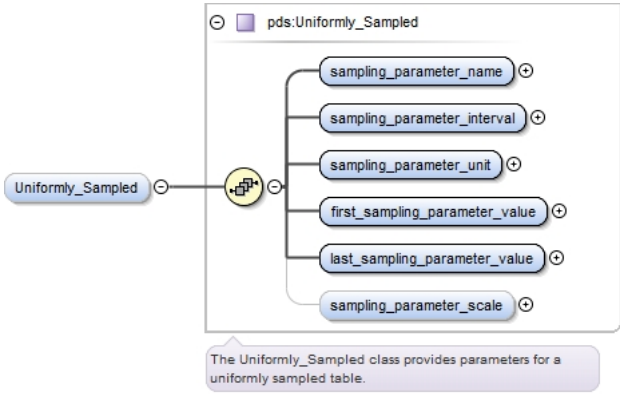
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:record_delimiter	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:record_delimiter 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="record_delimiter" type="pds:record_delimiter" minOccurs="1" maxOccurs="1"> </xs:element></code>	

Element pds:Manifest_SIP_Deep_Archive / pds:field_delimiter

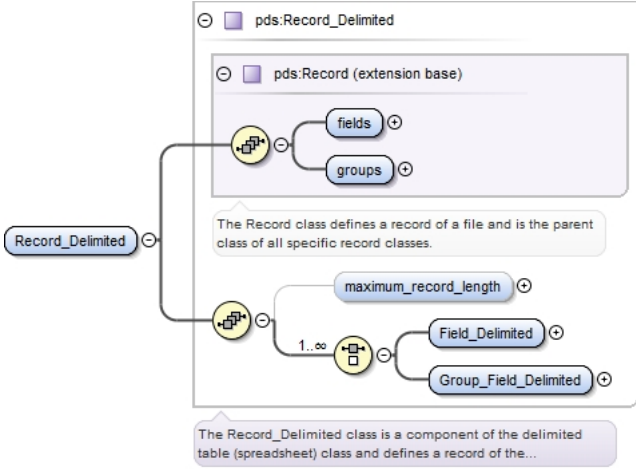
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:field_delimiter	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:field_delimiter 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="field_delimiter" type="pds:field_delimiter" minOccurs="1" maxOccurs="1"> </xs:element></code>	

Element pds:Manifest_SIP_Deep_Archive / pds:Uniformly_Sampled

Namespace	http://pds.nasa.gov/pds4/pds/v1
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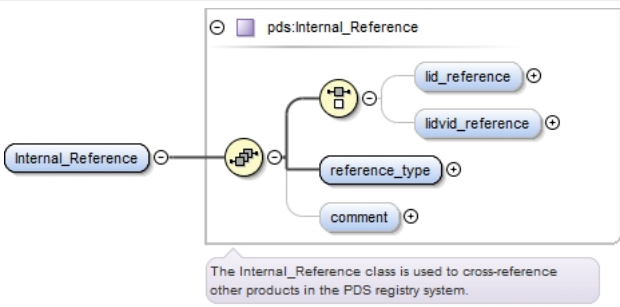
Diagram							
Type	pds:Uniformly_Sampled						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:sampling_parameter_name , pds:sampling_parameter_interval , pds:sampling_parameter_unit , pds:first_sampling_parameter_value , pds:last_sampling_parameter_value , pds:sampling_parameter_scale{0,1}						
Children	pds:first_sampling_parameter_value , pds:last_sampling_parameter_value , pds:sampling_parameter_interval , pds:sampling_parameter_name , pds:sampling_parameter_scale , pds:sampling_parameter_unit						
Instance	<pre><pds:Uniformly_Sampled xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:sampling_parameter_name>{1,1}</pds:sampling_parameter_name> <pds:sampling_parameter_interval>{1,1}</pds:sampling_parameter_interval> <pds:sampling_parameter_unit>{1,1}</pds:sampling_parameter_unit> <pds:first_sampling_parameter_value>{1,1}</pds:first_sampling_parameter_value> <pds:last_sampling_parameter_value>{1,1}</pds:last_sampling_parameter_value> <pds:sampling_parameter_scale>{0,1}</pds:sampling_parameter_scale> </pds:Uniformly_Sampled></pre>						
Source	<pre><xs:element name="Uniformly_Sampled" type="pds:Uniformly_Sampled" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Manifest_SIP_Deep_Archive / pds:Record_Delimited

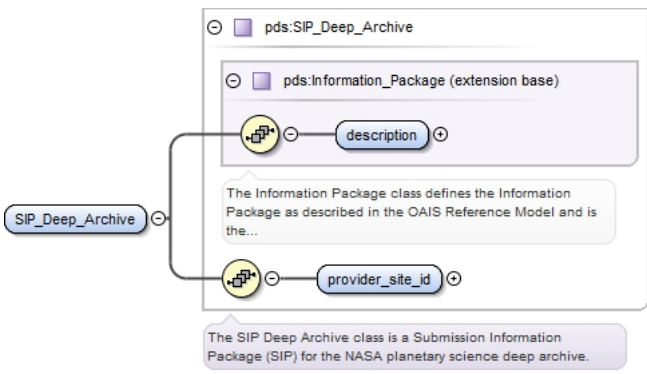
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Record_Delimited						
Type hierarchy	<ul style="list-style-type: none"> pds:Record pds:Record_Delimited 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:fields , pds:groups , pds:maximum_record_length{0,1} , (pds:Field_Delimited pds:Group_Field_Delimited)						

Children	pds:Field_Delimited, pds:Group_Field_Delimited, pds:fields, pds:groups, pds:maximum_record_length
Instance	<pre><pds:Record_Delimited xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:fields>{1,1}</pds:fields> <pds:groups>{1,1}</pds:groups> <pds:maximum_record_length unit="">{0,1}</pds:maximum_record_length> <pds:Field_Delimited>{1,1}</pds:Field_Delimited> <pds:Group_Field_Delimited>{1,1}</pds:Group_Field_Delimited> </pds:Record_Delimited></pre>
Source	<pre><xs:element name="Record_Delimited" type="pds:Record_Delimited" minOccurs="1" maxOccurs="1"> </xs:element></pre>

Element pds:Information_Package_Component_Deep_Archive / pds:Internal_Reference

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Internal_Reference						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	(pds:lid_reference{0,1} pds:lidvid_reference{0,1}), pds:reference_type, pds:comment{0,1}						
Children	pds:comment, pds:lid_reference, pds:lidvid_reference, pds:reference_type						
Instance	<pre><pds:Internal_Reference xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:lid_reference>{0,1}</pds:lid_reference> <pds:lidvid_reference>{0,1}</pds:lidvid_reference> <pds:reference_type>{1,1}</pds:reference_type> <pds:comment>{0,1}</pds:comment> </pds:Internal_Reference></pre>						
Source	<pre><xs:element name="Internal_Reference" type="pds:Internal_Reference" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_SIP_Deep_Archive / pds:SIP_Deep_Archive

Namespace	http://pds.nasa.gov/pds4/pds/v1				
Diagram					
Type	pds:SIP_Deep_Archive				
Type hierarchy	<ul style="list-style-type: none"> pds:Information_Package pds:SIP_Deep_Archive 				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1
content:	complex				
minOccurs:	1				

	maxOccurs: 1
Model	pds:description , pds:provider_site_id
Children	pds:description, pds:provider_site_id
Instance	<pre><pds:SIP_Deep_Archive xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:description>{1,1}</pds:description> <pds:provider_site_id>{1,1}</pds:provider_site_id> </pds:SIP_Deep_Archive></pre>
Source	<pre><xs:element name="SIP_Deep_Archive" type="pds:SIP_Deep_Archive" minOccurs="1" maxOccurs="1"> </xs:element></pre>

Element pds:SIP_Deep_Archive / pds:provider_site_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:provider_site_id						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:provider_site_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="provider_site_id" type="pds:provider_site_id" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_SIP_Deep_Archive / pds:Reference_List

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Reference_List						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:Internal_Reference* , pds:External_Reference*						
Children	pds:External_Reference, pds:Internal_Reference						
Instance	<pre><pds:Reference_List xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Internal_Reference>{0,unbounded}</pds:Internal_Reference> <pds:External_Reference>{0,unbounded}</pds:External_Reference> </pds:Reference_List></pre>						
Source	<pre><xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_SPICE_Kernel

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram	
Type	pds:Product_SPICE_Kernel
Type hierarchy	<ul style="list-style-type: none"> • pds:Product • pds:Product_SPICE_Kernel
Properties	content: complex
Model	pds:Identification_Area , pds:Context_Area , pds:Reference_List{0,1} , pds:File_Area_SPICE_Kernel
Children	pds:Context_Area, pds:File_Area_SPICE_Kernel, pds:Identification_Area, pds:Reference_List
Instance	<pre><pds:Product_SPICE_Kernel xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Identification_Area>{1,1}</pds:Identification_Area> <pds:Context_Area>{1,1}</pds:Context_Area> <pds:Reference_List>{0,1}</pds:Reference_List> <pds:File_Area_SPICE_Kernel>{1,1}</pds:File_Area_SPICE_Kernel> </pds:Product_SPICE_Kernel></pre>
Source	<pre><xs:element name="Product_SPICE_Kernel" type="pds:Product_SPICE_Kernel"> </xs:element></pre>

Element pds:Product_SPICE_Kernel / pds:Context_Area

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Context_Area						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:comment{0,1} , pds:Time_Coordinates{0,1} , pds:Primary_Result_Summary{0,1} , pds:Investigation_Area* , pds:Observing_System* , pds:Target_Identification* , pds:Mission_Area{0,1} , pds:Discipline_Area{0,1}						
Children	pds:Discipline_Area, pds:Investigation_Area, pds:Mission_Area, pds:Observing_System, pds:Primary_Result_Summary, pds:Target_Identification, pds:Time_Coordinates, pds:comment						
Instance	<pre><pds:Context_Area xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:comment>{0,1}</pds:comment> <pds:Time_Coordinates>{0,1}</pds:Time_Coordinates></pre>						

	<pre><pds:Primary_Result_Summary>{0,1}</pds:Primary_Result_Summary> <pds:Investigation_Area>{0,unbounded}</pds:Investigation_Area> <pds:Observing_System>{0,unbounded}</pds:Observing_System> <pds:Target_Identification>{0,unbounded}</pds:Target_Identification> <pds:Mission_Area>{0,1}</pds:Mission_Area> <pds:Discipline_Area>{0,1}</pds:Discipline_Area> </pds:Context_Area></pre>
Source	<pre><xs:element name="Context_Area" type="pds:Context_Area" minOccurs="1" maxOccurs="1"> </xs:element></pre>

Element pds:Product_SPICE_Kernel / pds:Reference_List

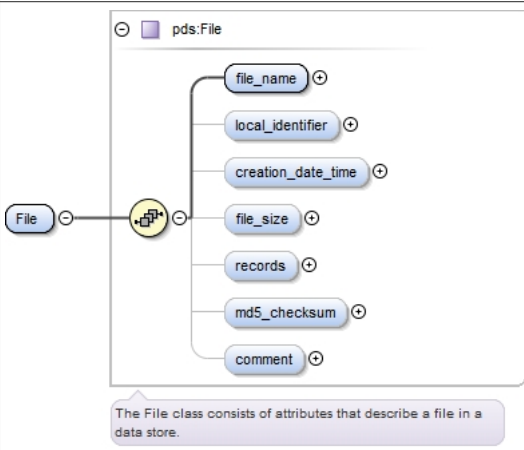
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Reference_List						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:Internal_Reference*, pds:External_Reference*						
Children	pds:External_Reference, pds:Internal_Reference						
Instance	<pre><pds:Reference_List xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Internal_Reference>{0,unbounded}</pds:Internal_Reference> <pds:External_Reference>{0,unbounded}</pds:External_Reference> </pds:Reference_List></pre>						
Source	<pre><xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_SPICE_Kernel / pds:File_Area_SPICE_Kernel

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:File_Area_SPICE_Kernel						
Type hierarchy	<ul style="list-style-type: none"> pds:File_Area pds:File_Area_SPICE_Kernel 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:File , pds:SPICE_Kernel						
Children	pds:File, pds:SPICE_Kernel						
Instance	<pre><pds:File_Area_SPICE_Kernel xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"></pre>						

	<pre><pds:File>{1,1}</pds:File> <pds:SPICE_Kernel>{1,1}</pds:SPICE_Kernel> </pds:File_Area_SPICE_Kernel></pre>
Source	<pre><xs:element name="File_Area_SPICE_Kernel" type="pds:File_Area_SPICE_Kernel" minOccurs="1" maxOccurs="1"> </xs:element></pre>

Element pds:File_Area_SPICE_Kernel / pds:File

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:File						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:file_name , pds:local_identifier{0,1} , pds:creation_date_time{0,1} , pds:file_size{0,1} , pds:records{0,1} , pds:md5_checksum{0,1} , pds:comment{0,1}						
Children	pds:comment, pds:creation_date_time, pds:file_name, pds:file_size, pds:local_identifier, pds:md5_checksum, pds:records						
Instance	<pre><pds:File xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:file_name>{1,1}</pds:file_name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:creation_date_time>{0,1}</pds:creation_date_time> <pds:file_size unit="">{0,1}</pds:file_size> <pds:records>{0,1}</pds:records> <pds:md5_checksum>{0,1}</pds:md5_checksum> <pds:comment>{0,1}</pds:comment> </pds:File></pre>						
Source	<pre><xs:element name="File" type="pds:File" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:File_Area_SPICE_Kernel / pds:SPICE_Kernel

Namespace	http://pds.nasa.gov/pds4/pds/v1
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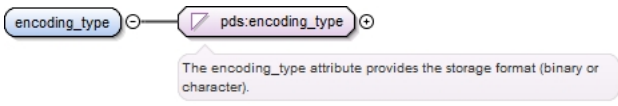
Diagram							
Type	pds:SPICE_Kernel						
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Parseable_Byte_Stream • pds:SPICE_Kernel 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:parsing_standard_id , pds:description{0,1} , pds:kernel_type , pds:encoding_type						
Children	pds:description, pds:encoding_type, pds:kernel_type, pds:local_identifier, pds:name, pds:object_length, pds:offset, pds:parsing_standard_id						
Instance	<pre><pds:SPICE_Kernel xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:object_length unit="">{0,1}</pds:object_length> <pds:parsing_standard_id>{1,1}</pds:parsing_standard_id> <pds:description>{0,1}</pds:description> <pds:kernel_type>{1,1}</pds:kernel_type> <pds:encoding_type>{1,1}</pds:encoding_type> </pds:SPICE_Kernel></pre>						
Source	<pre><xs:element name="SPICE_Kernel" type="pds:SPICE_Kernel" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:SPICE_Kernel / pds:kernel_type

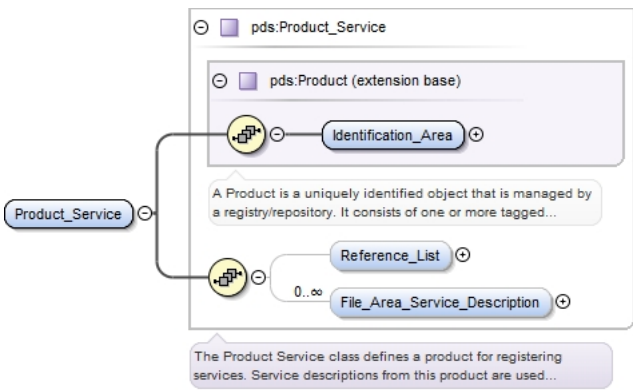
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:kernel_type		
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:kernel_type 		
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> </table>	content:	simple
content:	simple		

	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="kernel_type" type="pds:kernel_type" minOccurs="1" maxOccurs="1"> </xs:element></code>	

Element pds:SPICE_Kernel / pds:encoding_type

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:encoding_type	
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:encoding_type 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="encoding_type" type="pds:encoding_type" minOccurs="1" maxOccurs="1"> </xs:element></code>	

Element pds:Product_Service

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:Product_Service	
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_Service 	
Properties	content:	complex
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:File_Area_Service_Description*	
Children	pds:File_Area_Service_Description, pds:Identification_Area, pds:Reference_List	
Instance	<pre><pds:Product_Service xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Identification_Area>{1,1}</pds:Identification_Area> <pds:Reference_List>{0,1}</pds:Reference_List> <pds:File_Area_Service_Description>{0,unbounded}</pds:File_Area_Service_Description></pre>	

	<code></pds:Product_Service></code>
Source	<code><xs:element name="Product_Service" type="pds:Product_Service"> </xs:element></code>

Element pds:Product_Service / pds:Reference_List

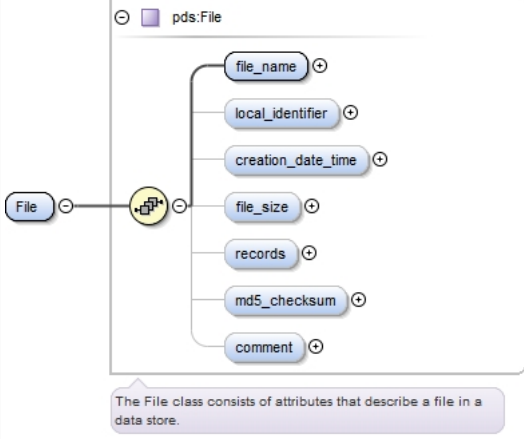
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Reference_List						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:Internal_Reference*, pds:External_Reference*						
Children	pds:External_Reference, pds:Internal_Reference						
Instance	<pre><pds:Reference_List xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Internal_Reference>{0, unbounded}</pds:Internal_Reference> <pds:External_Reference>{0, unbounded}</pds:External_Reference> </pds:Reference_List></pre>						
Source	<code><xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Product_Service / pds:File_Area_Service_Description

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:File_Area_Service_Description						
Type hierarchy	<ul style="list-style-type: none"> pds:File_Area pds:File_Area_Service_Description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	pds:File , pds:Service_Description+						
Children	pds:File, pds:Service_Description						
Instance	<pre><pds:File_Area_Service_Description xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:File>{1,1}</pds:File> <pds:Service_Description>{1,unbounded}</pds:Service_Description> </pds:File_Area_Service_Description></pre>						
Source	<code><xs:element name="File_Area_Service_Description" type="pds:File_Area_Service_Description" minOccurs="0" maxOccurs="unbounded"></code>						

</xs:element>

Element pds:File_Area_Service_Description / pds:File

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	 <p>The File class consists of attributes that describe a file in a data store.</p>						
Type	pds:File						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:file_name , pds:local_identifier{0,1} , pds:creation_date_time{0,1} , pds:file_size{0,1} , pds:records{0,1} , pds:md5_checksum{0,1} , pds:comment{0,1}						
Children	pds:comment, pds:creation_date_time, pds:file_name, pds:file_size, pds:local_identifier, pds:md5_checksum, pds:records						
Instance	<pre><pds:File xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:file_name>{1,1}</pds:file_name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:creation_date_time>{0,1}</pds:creation_date_time> <pds:file_size unit="">{0,1}</pds:file_size> <pds:records>{0,1}</pds:records> <pds:md5_checksum>{0,1}</pds:md5_checksum> <pds:comment>{0,1}</pds:comment> </pds:File></pre>						
Source	<pre><xs:element name="File" type="pds:File" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:File_Area_Service_Description / pds:Service_Description

Namespace	http://pds.nasa.gov/pds4/pds/v1
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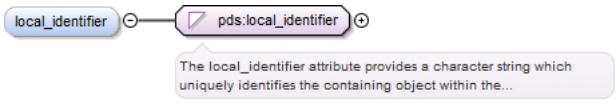
<p>Diagram</p>							
<p>Type</p>	<p>pds:Service_Description</p>						
<p>Type hierarchy</p>	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Parsable_Byte_Stream • pds:Service_Description 						
<p>Properties</p>	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
<p>Model</p>	<p>pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:parsing_standard_id , pds:description{0,1}</p>						
<p>Children</p>	<p>pds:description, pds:local_identifier, pds:name, pds:object_length, pds:offset, pds:parsing_standard_id</p>						
<p>Instance</p>	<pre><pds:Service_Description xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:object_length unit="">{0,1}</pds:object_length> <pds:parsing_standard_id>{1,1}</pds:parsing_standard_id> <pds:description>{0,1}</pds:description> </pds:Service_Description></pre>						
<p>Source</p>	<pre><xs:element name="Service_Description" type="pds:Service_Description" minOccurs="1" maxOccurs="unbounded"> </xs:element></pre>						

Element pds:Service_Description / pds:name

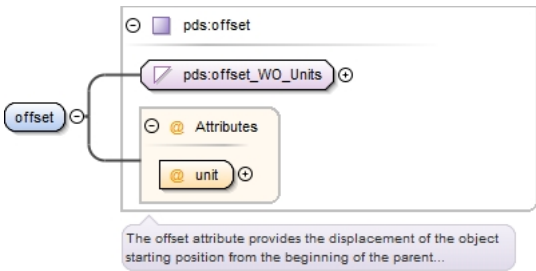
<p>Namespace</p>	<p>http://pds.nasa.gov/pds4/pds/v1</p>
<p>Diagram</p>	
<p>Type</p>	<p>pds:name</p>

Type hierarchy	<ul style="list-style-type: none"> xs:token pds:UTF8_Short_String_Collapsed <ul style="list-style-type: none"> pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<code><xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>						

Element pds:Service_Description / pds:local_identifier

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:local_identifier						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> pds:local_identifier 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>						

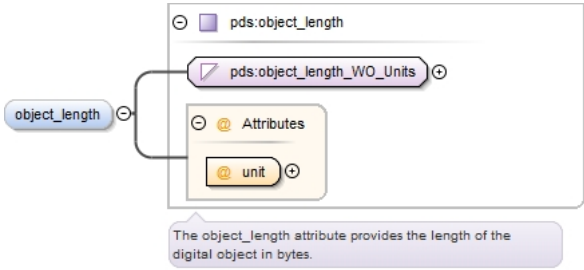
Element pds:Service_Description / pds:offset

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:offset						
Type hierarchy	<ul style="list-style-type: none"> xs:integer pds:ASCII_Integer <ul style="list-style-type: none"> pds:offset_WO_Units <ul style="list-style-type: none"> pds:offset 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						

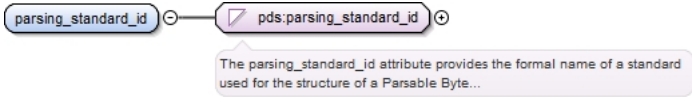
Attributes	QName	Type	Use
	unit	pds:Units_of_Storage	required

Source `<xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1">`
`</xs:element>`

Element pds:Service_Description / pds:object_length

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:object_length		
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer <ul style="list-style-type: none"> • pds:object_length_WO_Units • pds:object_length 		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Attributes	QName	Type	Use
	unit	pds:Units_of_Storage	required
Source	<code><xs:element name="object_length" type="pds:object_length" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>		

Element pds:Service_Description / pds:parsing_standard_id

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:parsing_standard_id		
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> • pds:parsing_standard_id 		
Properties	content:	simple	
	minOccurs:	1	
	maxOccurs:	1	
Facets	minLength	1	
	maxLength	255	
	pattern	\p{IsBasicLatin}*	
Source	<code><xs:element name="parsing_standard_id" type="pds:parsing_standard_id" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>		

Element pds:Service_Description / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1		
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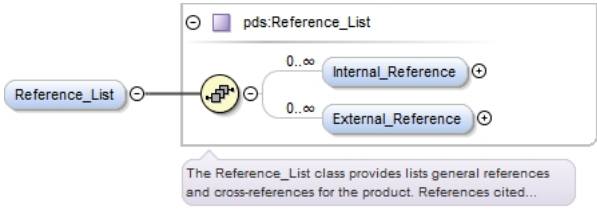
Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:UTF8_Text_Preserved pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<pre><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_Software

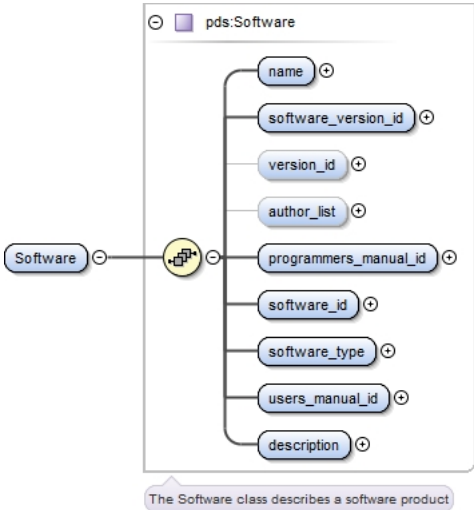
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:Product_Software		
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_Software 		
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> </table>	content:	complex
content:	complex		
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:Software , pds:Software_Binary* , pds:Software_Script* , pds:Software_Source*		
Children	pds:Identification_Area, pds:Reference_List, pds:Software, pds:Software_Binary, pds:Software_Script, pds:Software_Source		
Instance	<pre><pds:Product_Software xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Identification_Area>{1,1}</pds:Identification_Area> <pds:Reference_List>{0,1}</pds:Reference_List> <pds:Software>{1,1}</pds:Software> <pds:Software_Binary>{0,unbounded}</pds:Software_Binary> <pds:Software_Script>{0,unbounded}</pds:Software_Script> <pds:Software_Source>{0,unbounded}</pds:Software_Source> </pds:Product_Software></pre>		
Source	<pre><xs:element name="Product_Software" type="pds:Product_Software"> </xs:element></pre>		

Element pds:Product_Software / pds:Reference_List

Namespace	http://pds.nasa.gov/pds4/pds/v1
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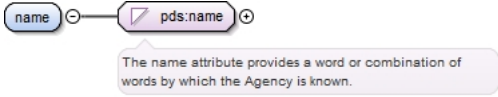
Diagram							
Type	pds:Reference_List						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:Internal_Reference* , pds:External_Reference*						
Children	pds:External_Reference, pds:Internal_Reference						
Instance	<pre><pds:Reference_List xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Internal_Reference>{0,unbounded}</pds:Internal_Reference> <pds:External_Reference>{0,unbounded}</pds:External_Reference> </pds:Reference_List></pre>						
Source	<pre><xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_Software / pds:Software

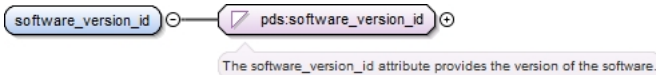
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Software						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:name , pds:software_version_id , pds:version_id{0,1} , pds:author_list{0,1} , pds:programmers_manual_id , pds:software_id , pds:software_type , pds:users_manual_id , pds:description						
Children	pds:author_list, pds:description, pds:name, pds:programmers_manual_id, pds:software_id, pds:software_type, pds:software_version_id, pds:users_manual_id, pds:version_id						
Instance	<pre><pds:Software xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{1,1}</pds:name> <pds:software_version_id>{1,1}</pds:software_version_id> <pds:version_id>{0,1}</pds:version_id> <pds:author_list>{0,1}</pds:author_list> <pds:programmers_manual_id>{1,1}</pds:programmers_manual_id> <pds:software_id>{1,1}</pds:software_id> <pds:software_type>{1,1}</pds:software_type> <pds:users_manual_id>{1,1}</pds:users_manual_id> <pds:description>{1,1}</pds:description> </pds:Software></pre>						
Source	<pre><xs:element name="Software" type="pds:Software" minOccurs="1" maxOccurs="1"></pre>						

</xs:element>

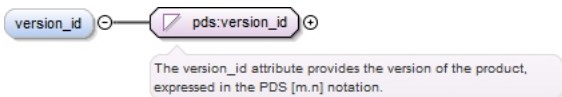
Element pds:Software / pds:name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:UTF8_Short_String_Collapsed • pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<pre><xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Software / pds:software_version_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:software_version_id						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:software_version_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="software_version_id" type="pds:software_version_id" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Software / pds:version_id

Namespace	http://pds.nasa.gov/pds4/pds/v1				
Diagram					
Type	pds:version_id				
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:version_id 				
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				

	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	(\p{IsBasicLatin}*) & (([0-9]+)(\.)?{1}([0-9]+))
Source	<code><xs:element name="version_id" type="pds:version_id" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>	

Element `pds:Software` / `pds:author_list`

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:author_list	
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:author_list 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
Source	<code><xs:element name="author_list" type="pds:author_list" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>	

Element `pds:Software` / `pds:programmers_manual_id`

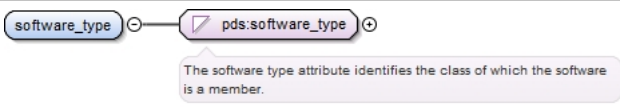
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:programmers_manual_id	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:programmers_manual_id 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="programmers_manual_id" type="pds:programmers_manual_id" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>	

Element `pds:Software` / `pds:software_id`

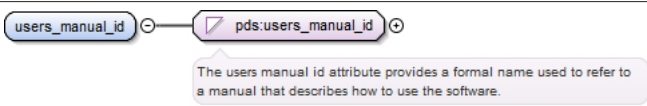
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		

Type	pds:software_id						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:software_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="software_id" type="pds:software_id" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Software / pds:software_type

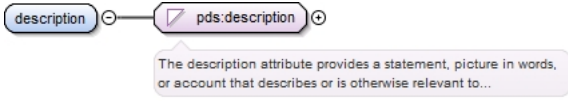
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:software_type						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:software_type 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="software_type" type="pds:software_type" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Software / pds:users_manual_id

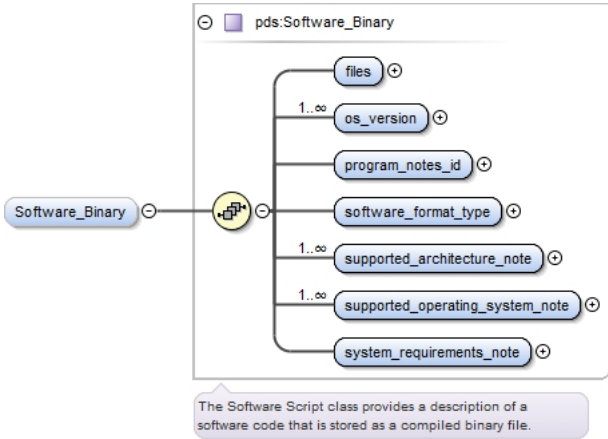
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:users_manual_id						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:users_manual_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						

Source	<code><xs:element name="users_manual_id" type="pds:users_manual_id" minOccurs="1" maxOccurs="1"> </xs:element></code>
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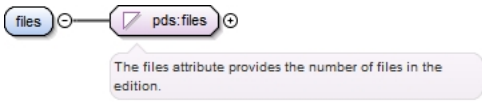
Element pds:Software / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:UTF8_Text_Preserved pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<code><xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element></code>						


Element pds:Product_Software / pds:Software_Binary

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Software_Binary						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	pds:files , pds:os_version+ , pds:program_notes_id , pds:software_format_type , pds:supported_architecture_note+ , pds:supported_operating_system_note+ , pds:system_requirements_note						
Children	pds:files, pds:os_version, pds:program_notes_id, pds:software_format_type, pds:supported_architecture_note, pds:supported_operating_system_note, pds:system_requirements_note						
Instance	<pre><pds:Software_Binary xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:files>{1,1}</pds:files> <pds:os_version>{1,unbounded}</pds:os_version> <pds:program_notes_id>{1,1}</pds:program_notes_id> <pds:software_format_type>{1,1}</pds:software_format_type> <pds:supported_architecture_note>{1,unbounded}</pds:supported_architecture_note> <pds:supported_operating_system_note>{1,unbounded}</pds:supported_operating_system_note> <pds:system_requirements_note>{1,1}</pds:system_requirements_note> </pds:Software_Binary></pre>						
Source	<code><xs:element name="Software_Binary" type="pds:Software_Binary" minOccurs="0" maxOccurs="unbounded"> </xs:element></code>						

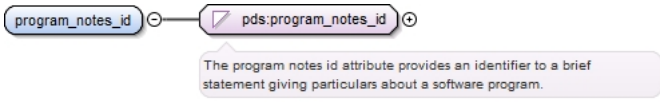
Element pds:Software_Binary / pds:files

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:files	
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:files 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minInclusive	1
Source	<pre><xs:element name="files" type="pds:files" minOccurs="1" maxOccurs="1"> </xs:element></pre>	

Element pds:Software_Binary / pds:os_version

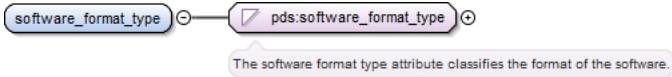
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:os_version	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:os_version 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	unbounded
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<pre><xs:element name="os_version" type="pds:os_version" minOccurs="1" maxOccurs="unbounded"> </xs:element></pre>	

Element pds:Software_Binary / pds:program_notes_id

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:program_notes_id	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:program_notes_id 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1

Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="program_notes_id" type="pds:program_notes_id" minOccurs="1" maxOccurs="1"> </xs:element></code>	

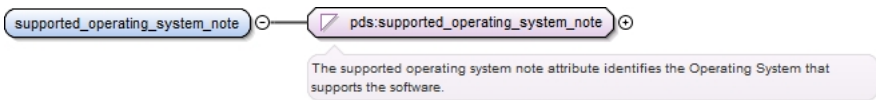
Element pds:Software_Binary / pds:software_format_type

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:software_format_type	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:software_format_type 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="software_format_type" type="pds:software_format_type" minOccurs="1" maxOccurs="1"> </xs:element></code>	

Element pds:Software_Binary / pds:supported_architecture_note

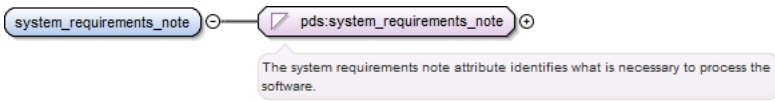
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:supported_architecture_note	
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:supported_architecture_note 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	unbounded
Facets	minLength	1
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="supported_architecture_note" type="pds:supported_architecture_note" minOccurs="1" maxOccurs="unbounded"> </xs:element></code>	

Element pds:Software_Binary / pds:supported_operating_system_note

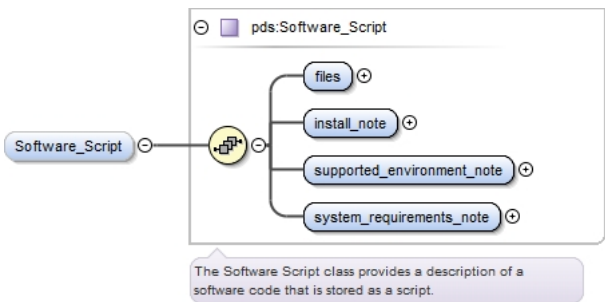
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:supported_operating_system_note	

Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Text_Preserved pds:supported_operating_system_note 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	unbounded
content:	simple						
minOccurs:	1						
maxOccurs:	unbounded						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*		
minLength	1						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="supported_operating_system_note" type="pds:supported_operating_system_note" minOccurs="1" maxOccurs="unbounded"> </xs:element></pre>						

Element pds:Software_Binary / pds:system_requirements_note

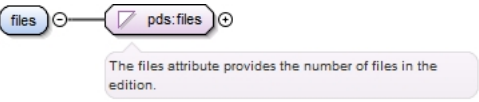
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:system_requirements_note						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Text_Preserved pds:system_requirements_note 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*		
minLength	1						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="system_requirements_note" type="pds:system_requirements_note" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_Software / pds:Software_Script

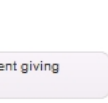
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Software_Script						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	pds:files , pds:install_note , pds:supported_environment_note , pds:system_requirements_note						
Children	pds:files, pds:install_note, pds:supported_environment_note, pds:system_requirements_note						
Instance	<pre><pds:Software_Script xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:files>{1,1}</pds:files></pre>						

	<pre><pds:install_note>{1,1}</pds:install_note> <pds:supported_environment_note>{1,1}</pds:supported_environment_note> <pds:system_requirements_note>{1,1}</pds:system_requirements_note> </pds:Software_Script></pre>
Source	<pre><xs:element name="Software_Script" type="pds:Software_Script" minOccurs="0" maxOccurs="unbounded"> </xs:element></pre>

Element pds:Software_Script / pds:files

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:files						
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:files 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minInclusive</td> <td>1</td> </tr> </table>	minInclusive	1				
minInclusive	1						
Source	<pre><xs:element name="files" type="pds:files" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Software_Script / pds:install_note

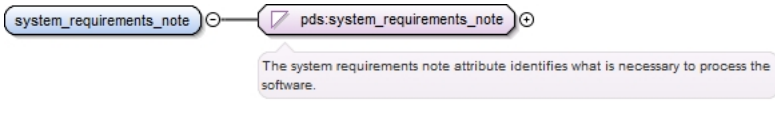
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:install_note						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:install_note 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*		
minLength	1						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="install_note" type="pds:install_note" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Software_Script / pds:supported_environment_note

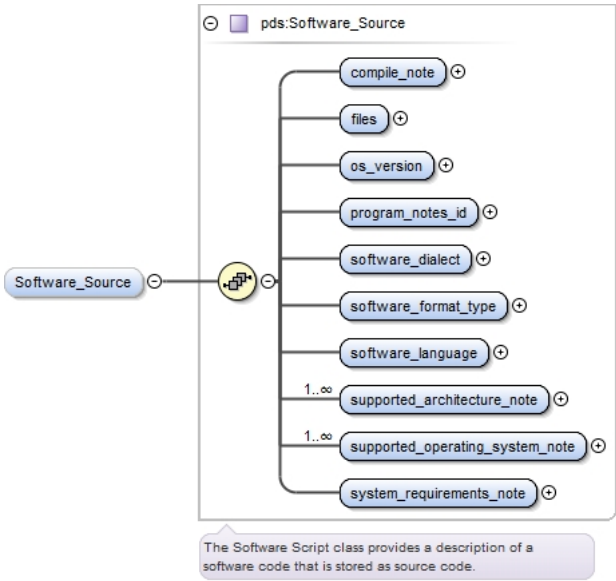
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:supported_environment_note
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved

	<ul style="list-style-type: none"> • pds:supported_environment_note
Properties	content: simple
	minOccurs: 1
	maxOccurs: 1
Facets	minLength 1
	pattern \p{IsBasicLatin}*
Source	<pre><xs:element name="supported_environment_note" type="pds:supported_environment_note" minOccurs="1" maxOccurs="1"> </xs:element></pre>

Element pds:Software_Script / pds:system_requirements_note

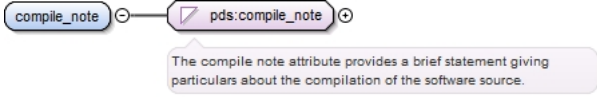
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:system_requirements_note
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:system_requirements_note
Properties	content: simple
	minOccurs: 1
	maxOccurs: 1
Facets	minLength 1
	pattern \p{IsBasicLatin}*
Source	<pre><xs:element name="system_requirements_note" type="pds:system_requirements_note" minOccurs="1" maxOccurs="1"> </xs:element></pre>

Element pds:Product_Software / pds:Software_Source


Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Software_Source
Properties	content: complex

	minOccurs: 0
	maxOccurs: unbounded
Model	pds:compile_note , pds:files , pds:os_version , pds:program_notes_id , pds:software_dialect , pds:software_format_type , pds:software_language , pds:supported_architecture_note+ , pds:supported_operating_system_note+ , pds:system_requirements_note
Children	pds:compile_note, pds:files, pds:os_version, pds:program_notes_id, pds:software_dialect, pds:software_format_type, pds:software_language, pds:supported_architecture_note, pds:supported_operating_system_note, pds:system_requirements_note
Instance	<pre><pds:Software_Source xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:compile_note>{1,1}</pds:compile_note> <pds:files>{1,1}</pds:files> <pds:os_version>{1,1}</pds:os_version> <pds:program_notes_id>{1,1}</pds:program_notes_id> <pds:software_dialect>{1,1}</pds:software_dialect> <pds:software_format_type>{1,1}</pds:software_format_type> <pds:software_language>{1,1}</pds:software_language> <pds:supported_architecture_note>{1,unbounded}</pds:supported_architecture_note> <pds:supported_operating_system_note>{1,unbounded}</pds:supported_operating_system_note> <pds:system_requirements_note>{1,1}</pds:system_requirements_note> </pds:Software_Source></pre>
Source	<code><xs:element name="Software_Source" type="pds:Software_Source" minOccurs="0" maxOccurs="unbounded"></xs:element></code>

Element pds:Software_Source / pds:compile_note

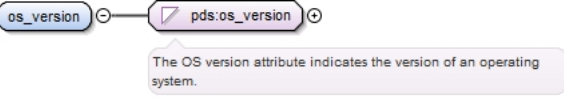
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:compile_note						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Text_Preserved pds:compile_note 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*		
minLength	1						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="compile_note" type="pds:compile_note" minOccurs="1" maxOccurs="1"></xs:element></code>						

Element pds:Software_Source / pds:files

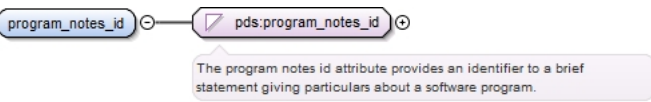
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:files						
Type hierarchy	<ul style="list-style-type: none"> xs:integer pds:ASCII_Integer pds:files 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minInclusive</td> <td>1</td> </tr> </table>	minInclusive	1				
minInclusive	1						
Source	<code><xs:element name="files" type="pds:files" minOccurs="1" maxOccurs="1"></code>						

</xs:element>

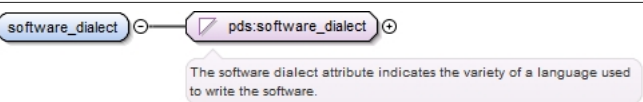
Element pds:Software_Source / pds:os_version

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:os_version						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:os_version 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<xs:element name="os_version" type="pds:os_version" minOccurs="1" maxOccurs="1"></xs:element>						

Element pds:Software_Source / pds:program_notes_id

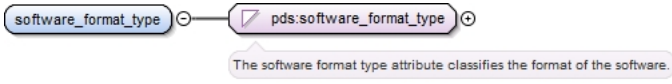
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:program_notes_id						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:program_notes_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<xs:element name="program_notes_id" type="pds:program_notes_id" minOccurs="1" maxOccurs="1"></xs:element>						

Element pds:Software_Source / pds:software_dialect

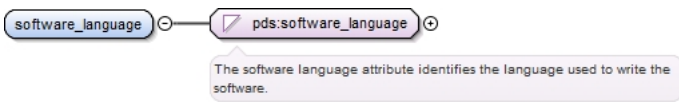
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:software_dialect
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:software_dialect

Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="software_dialect" type="pds:software_dialect" minOccurs="1" maxOccurs="1"> </xs:element></code>	

Element pds:Software_Source / pds:software_format_type

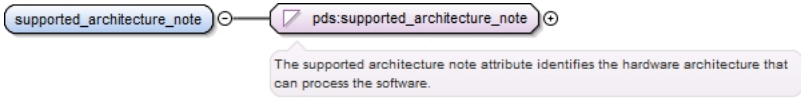
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:software_format_type	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:software_format_type 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="software_format_type" type="pds:software_format_type" minOccurs="1" maxOccurs="1"> </xs:element></code>	

Element pds:Software_Source / pds:software_language

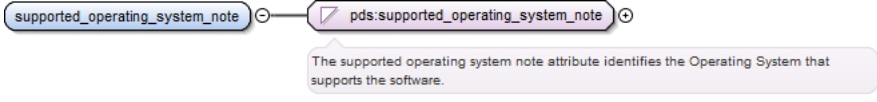
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:software_language	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:software_language 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="software_language" type="pds:software_language" minOccurs="1" maxOccurs="1"> </xs:element></code>	

Element pds:Software_Source / pds:supported_architecture_note

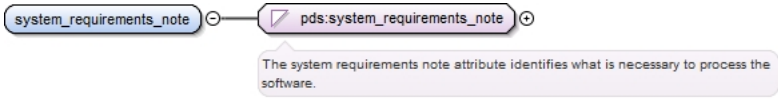
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:supported_architecture_note						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:supported_architecture_note 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>1</td></tr> <tr><td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	unbounded
content:	simple						
minOccurs:	1						
maxOccurs:	unbounded						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>pattern</td><td>\p{IsBasicLatin}*</td></tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*		
minLength	1						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="supported_architecture_note" type="pds:supported_architecture_note" minOccurs="1" maxOccurs="unbounded" /> </xs:element></pre>						

Element pds:Software_Source / pds:supported_operating_system_note

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:supported_operating_system_note						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:supported_operating_system_note 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>1</td></tr> <tr><td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	unbounded
content:	simple						
minOccurs:	1						
maxOccurs:	unbounded						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>pattern</td><td>\p{IsBasicLatin}*</td></tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*		
minLength	1						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="supported_operating_system_note" type="pds:supported_operating_system_note" minOccurs="1" maxOccurs="unbounded" /> </xs:element></pre>						

Element pds:Software_Source / pds:system_requirements_note

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:system_requirements_note						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:system_requirements_note 						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>1</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr><td>minLength</td><td>1</td></tr> <tr><td>pattern</td><td>\p{IsBasicLatin}*</td></tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*		
minLength	1						
pattern	\p{IsBasicLatin}*						

Source	<code><xs:element name="system_requirements_note" type="pds:system_requirements_note" minOccurs="1" maxOccurs="1"> </xs:element></code>
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Element pds:Product_Subscription_PDS3

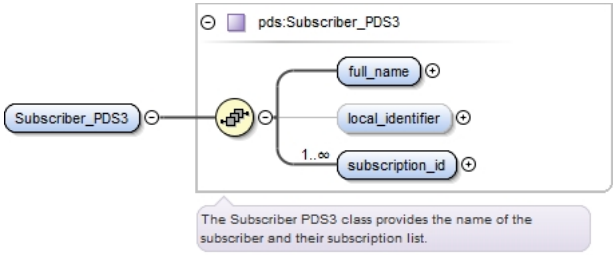
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Product_Subscription_PDS3
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_Subscription_PDS3
Properties	content: complex
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:Subscriber_PDS3
Children	pds:Identification_Area, pds:Reference_List, pds:Subscriber_PDS3
Instance	<code><pds:Product_Subscription_PDS3 xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Identification_Area>{1,1}</pds:Identification_Area> <pds:Reference_List>{0,1}</pds:Reference_List> <pds:Subscriber_PDS3>{1,1}</pds:Subscriber_PDS3> </pds:Product_Subscription_PDS3></code>
Source	<code><xs:element name="Product_Subscription_PDS3" type="pds:Product_Subscription_PDS3"> </xs:element></code>

Element pds:Product_Subscription_PDS3 / pds:Reference_List

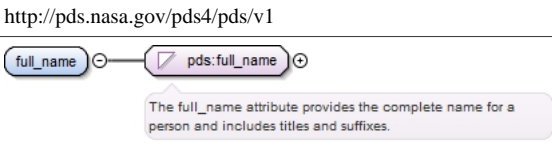
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Reference_List						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:Internal_Reference* , pds:External_Reference*						
Children	pds:External_Reference, pds:Internal_Reference						
Instance	<code><pds:Reference_List xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Internal_Reference>{0,unbounded}</pds:Internal_Reference> <pds:External_Reference>{0,unbounded}</pds:External_Reference> </pds:Reference_List></code>						
Source	<code><xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Product_Subscription_PDS3 / pds:Subscriber_PDS3

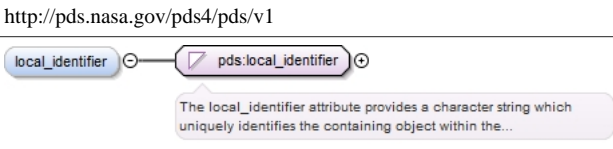
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:Subscriber_PDS3						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:full_name , pds:local_identifier{0,1} , pds:subscription_id+						
Children	pds:full_name, pds:local_identifier, pds:subscription_id						
Instance	<pre><pds:Subscriber_PDS3 xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:full_name>{1,1}</pds:full_name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:subscription_id>{1,unbounded}</pds:subscription_id> </pds:Subscriber_PDS3></pre>						
Source	<pre><xs:element name="Subscriber_PDS3" type="pds:Subscriber_PDS3" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Subscriber_PDS3 / pds:full_name


Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:full_name						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:full_name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="full_name" type="pds:full_name" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Subscriber_PDS3 / pds:local_identifier

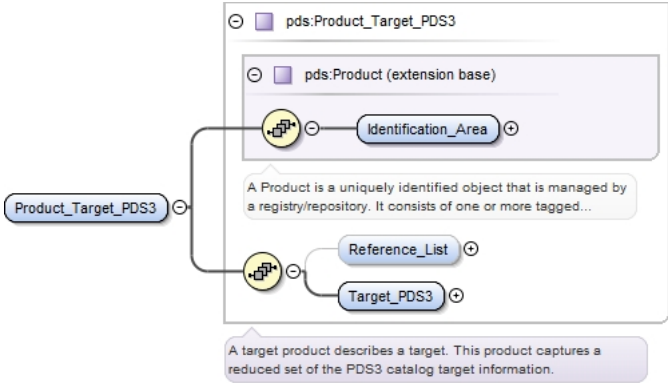
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:local_identifier		
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:local_identifier 		
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> </table>	content:	simple
content:	simple		

	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"> </xs:element></code>	

Element pds:subscriber_PDS3 / pds:subscription_id

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:subscription_id	
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:subscription_id 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	unbounded
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="subscription_id" type="pds:subscription_id" minOccurs="1" maxOccurs="unbounded"> </xs:element></code>	

Element pds:Product_Target_PDS3

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:Product_Target_PDS3	
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_Target_PDS3 	
Properties	content:	complex
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:Target_PDS3	
Children	pds:Identification_Area, pds:Reference_List, pds:Target_PDS3	
Instance	<pre><pds:Product_Target_PDS3 xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Identification_Area>{1,1}</pds:Identification_Area> <pds:Reference_List>{0,1}</pds:Reference_List> <pds:Target_PDS3>{1,1}</pds:Target_PDS3> </pds:Product_Target_PDS3></pre>	
Source	<code><xs:element name="Product_Target_PDS3" type="pds:Product_Target_PDS3"></code>	

</xs:element>

Element pds:Product_Target_PDS3 / pds:Reference_List

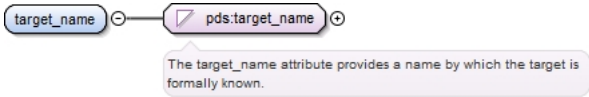
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Reference_List						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:Internal_Reference*, pds:External_Reference*						
Children	pds:External_Reference, pds:Internal_Reference						
Instance	<pre><pds:Reference_List xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Internal_Reference>{0,unbounded}</pds:Internal_Reference> <pds:External_Reference>{0,unbounded}</pds:External_Reference> </pds:Reference_List></pre>						
Source	<pre><xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_Target_PDS3 / pds:Target_PDS3

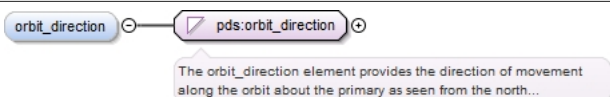
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Target_PDS3						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:target_name , pds:orbit_direction* , pds:primary_body_name , pds:rotation_direction{0,1} , pds:target_desc , pds:target_type						
Children	pds:orbit_direction, pds:primary_body_name, pds:rotation_direction, pds:target_desc, pds:target_name, pds:target_type						
Instance	<pre><pds:Target_PDS3 xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:target_name>{1,1}</pds:target_name> <pds:orbit_direction>{0,unbounded}</pds:orbit_direction> <pds:primary_body_name>{1,1}</pds:primary_body_name> <pds:rotation_direction>{0,1}</pds:rotation_direction> <pds:target_desc>{1,1}</pds:target_desc> <pds:target_type>{1,1}</pds:target_type> </pds:Target_PDS3></pre>						
Source	<pre><xs:element name="Target_PDS3" type="pds:Target_PDS3" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Target_PDS3 / pds:target_name

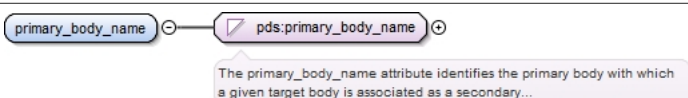
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:target_name						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:target_name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="target_name" type="pds:target_name" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Target_PDS3 / pds:orbit_direction

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:orbit_direction						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:orbit_direction 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	unbounded
content:	simple						
minOccurs:	0						
maxOccurs:	unbounded						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="orbit_direction" type="pds:orbit_direction" minOccurs="0" maxOccurs="unbounded"> </xs:element></pre>						

Element pds:Target_PDS3 / pds:primary_body_name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:primary_body_name						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:primary_body_name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						

	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="primary_body_name" type="pds:primary_body_name" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>	

Element pds:Target_PDS3 / pds:rotation_direction

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:rotation_direction	
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:rotation_direction 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="rotation_direction" type="pds:rotation_direction" minOccurs="0" maxOccurs="1"></code> <code></xs:element></code>	

Element pds:Target_PDS3 / pds:target_desc

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:target_desc	
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Text_Preserved pds:target_desc 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="target_desc" type="pds:target_desc" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>	

Element pds:Target_PDS3 / pds:target_type

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:target_type	
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed 	

	<ul style="list-style-type: none"> • pds:target_type 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="target_type" type="pds:target_type" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_Thumbnail

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:Product_Thumbnail		
Type hierarchy	<ul style="list-style-type: none"> • pds:Product • pds:Product_Thumbnail 		
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> </table>	content:	complex
content:	complex		
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:File_Area_Encoded_Image		
Children	pds:File_Area_Encoded_Image, pds:Identification_Area, pds:Reference_List		
Instance	<pre><pds:Product_Thumbnail xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Identification_Area>{1,1}</pds:Identification_Area> <pds:Reference_List>{0,1}</pds:Reference_List> <pds:File_Area_Encoded_Image>{1,1}</pds:File_Area_Encoded_Image> </pds:Product_Thumbnail></pre>		
Source	<pre><xs:element name="Product_Thumbnail" type="pds:Product_Thumbnail"> </xs:element></pre>		

Element pds:Product_Thumbnail / pds:Reference_List

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Reference_List						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:Internal_Reference* , pds:External_Reference*						
Children	pds:External_Reference, pds:Internal_Reference						

Instance	<pre><pds:Reference_List xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Internal_Reference>{0,unbounded}</pds:Internal_Reference> <pds:External_Reference>{0,unbounded}</pds:External_Reference> </pds:Reference_List></pre>
Source	<pre><xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element></pre>

Element pds:Product_Thumbnail / pds:File_Area_Encoded_Image

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:File_Area_Encoded_Image						
Type hierarchy	<ul style="list-style-type: none"> pds:File_Area pds:File_Area_Encoded_Image 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:File , pds:Encoded_Image						
Children	pds:Encoded_Image, pds:File						
Instance	<pre><pds:File_Area_Encoded_Image xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:File>{1,1}</pds:File> <pds:Encoded_Image>{1,1}</pds:Encoded_Image> </pds:File_Area_Encoded_Image></pre>						
Source	<pre><xs:element name="File_Area_Encoded_Image" type="pds:File_Area_Encoded_Image" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:File_Area_Encoded_Image / pds:File

Namespace	http://pds.nasa.gov/pds4/pds/v1				
Diagram					
Type	pds:File				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1
content:	complex				
minOccurs:	1				

	maxOccurs: 1
Model	pds:file_name , pds:local_identifier{0,1} , pds:creation_date_time{0,1} , pds:file_size{0,1} , pds:records{0,1} , pds:md5_checksum{0,1} , pds:comment{0,1}
Children	pds:comment, pds:creation_date_time, pds:file_name, pds:file_size, pds:local_identifier, pds:md5_checksum, pds:records
Instance	<pre><pds:File xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:file_name>{1,1}</pds:file_name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:creation_date_time>{0,1}</pds:creation_date_time> <pds:file_size unit="">{0,1}</pds:file_size> <pds:records>{0,1}</pds:records> <pds:md5_checksum>{0,1}</pds:md5_checksum> <pds:comment>{0,1}</pds:comment> </pds:File></pre>
Source	<xs:element name="File" type="pds:File" minOccurs="1" maxOccurs="1"></xs:element>

Element pds:File_Area_Encoded_Image / pds:Encoded_Image

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Encoded_Image						
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Encoded_Byte_Stream • pds:Encoded_Image 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:encoding_standard_id , pds:description{0,1}						
Children	pds:description, pds:encoding_standard_id, pds:local_identifier, pds:name, pds:object_length, pds:offset						
Instance	<pds:Encoded_Image xmlns:pds="http://pds.nasa.gov/pds4/pds/v1">						

	<pre> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:object_length unit="">{0,1}</pds:object_length> <pds:encoding_standard_id>{1,1}</pds:encoding_standard_id> <pds:description>{0,1}</pds:description> </pds:Encoded_Image> </pre>
Source	<pre> <xs:element name="Encoded_Image" type="pds:Encoded_Image" minOccurs="1" maxOccurs="1"> </xs:element> </pre>

Element pds:Product_Update

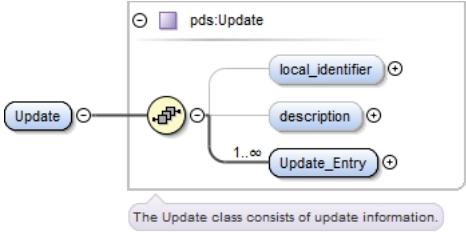
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Product_Update
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_Update
Properties	content: complex
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:Update
Children	pds:Identification_Area, pds:Reference_List, pds:Update
Instance	<pre> <pds:Product_Update xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Identification_Area>{1,1}</pds:Identification_Area> <pds:Reference_List>{0,1}</pds:Reference_List> <pds:Update>{1,1}</pds:Update> </pds:Product_Update> </pre>
Source	<pre> <xs:element name="Product_Update" type="pds:Product_Update"> </xs:element> </pre>

Element pds:Product_Update / pds:Reference_List

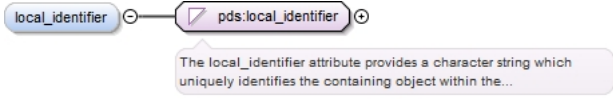
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Reference_List						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:Internal_Reference* , pds:External_Reference*						
Children	pds:External_Reference, pds:Internal_Reference						
Instance	<pre> <pds:Reference_List xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Internal_Reference>{0, unbounded}</pds:Internal_Reference> <pds:External_Reference>{0, unbounded}</pds:External_Reference> </pds:Reference_List> </pre>						

Source	<code><xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element></code>
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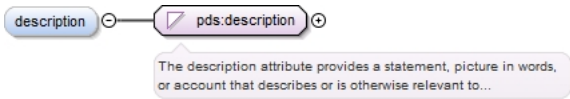
Element pds:Product_Update / pds:Update

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Update						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:local_identifer{0,1} , pds:description{0,1} , pds:Update_Entry+						
Children	pds:Update_Entry, pds:description, pds:local_identifier						
Instance	<code><pds:Update xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:local_identifer>{0,1}</pds:local_identifer> <pds:description>{0,1}</pds:description> <pds:Update_Entry>{1,unbounded}</pds:Update_Entry> </pds:Update></code>						
Source	<code><xs:element name="Update" type="pds:Update" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Update / pds:local_identifier

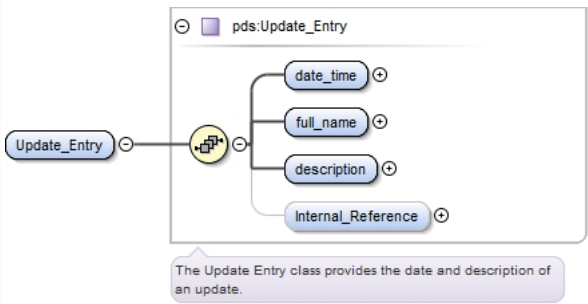
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:local_identifier						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:local_identifier 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Update / pds:description


Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:description

Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<pre><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Update / pds:Update_Entry

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Update_Entry						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	pds:date_time , pds:full_name , pds:description , pds:Internal_Reference{0,1}						
Children	pds:Internal_Reference, pds:date_time, pds:description, pds:full_name						
Instance	<pre><pds:Update_Entry xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:date_time>{1,1}</pds:date_time> <pds:full_name>{1,1}</pds:full_name> <pds:description>{1,1}</pds:description> <pds:Internal_Reference>{0,1}</pds:Internal_Reference> </pds:Update_Entry></pre>						
Source	<pre><xs:element name="Update_Entry" type="pds:Update_Entry" minOccurs="1" maxOccurs="unbounded"> </xs:element></pre>						

Element pds:Update_Entry / pds:date_time

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:date_time						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Date_Time_YMD • pds:date_time 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>pattern</td> <td> <pre>((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-)?[0-9]</pre> </td> </tr> </table>	pattern	<pre>((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-)?[0-9]</pre>				
pattern	<pre>((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-)?[0-9]</pre>						

	<pre>{4}-((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)([0-1] [0-9]) (2[0-3])(Z?) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))-(0[1-9]) ([1-2][0-9]) (3[0-1]))(T) (([0-1][0-9]) (2[0-3])): [0-5][0-9](Z?) ((-)? [0-9]{4}-((0[1-9]) (1[0-2]))-(0[1-9]) ([1-2][0-9]) (3[0-1]))(T) (([0-1][0-9]) (2[0-3])): [0-5][0-9]:([0-5][0-9]) 60)\.([0-9]{1,4})? (Z?) ((-)?[0-9]{4}- ((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)24(:00 :00:00)?(Z?) ((-)? [0-9]{4}-((0[1-9]) (1[0-2]))-(0[1-9]) ([1-2][0-9]) (3[0-1])) (T)24:00:00(\.([0]{1,4})) (Z?) ((-)?[0-9]{4}- ((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z?))</pre>
Source	<pre><xs:element name="date_time" type="pds:date_time" minOccurs="1" maxOccurs="1"> </xs:element></pre>

Element pds:Update_Entry / pds:full_name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The full_name attribute provides the complete name for a person and includes titles and suffixes.</p>						
Type	pds:full_name						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:full_name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="full_name" type="pds:full_name" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Update_Entry / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	<p>The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to...</p>
Type	pds:description
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:UTF8_Text_Preserved

	<ul style="list-style-type: none"> • pds:description
Properties	content: simple
	minOccurs: 1
	maxOccurs: 1
Facets	minLength 1
Source	<code><xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element></code>

Element pds:Update_Entry / pds:Internal_Reference

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	<p>The Internal_Reference class is used to cross-reference other products in the PDS registry system.</p>
Type	pds:Internal_Reference
Properties	content: complex
	minOccurs: 0
	maxOccurs: 1
Model	(pds:lid_reference{0,1} pds:lidvid_reference{0,1}) , pds:reference_type , pds:comment{0,1}
Children	pds:comment, pds:lid_reference, pds:lidvid_reference, pds:reference_type
Instance	<code><pds:Internal_Reference xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:lid_reference>{0,1}</pds:lid_reference> <pds:lidvid_reference>{0,1}</pds:lidvid_reference> <pds:reference_type>{1,1}</pds:reference_type> <pds:comment>{0,1}</pds:comment> </pds:Internal_Reference></code>
Source	<code><xs:element name="Internal_Reference" type="pds:Internal_Reference" minOccurs="0" maxOccurs="1"> </xs:element></code>

Element pds:Product_Volume_PDS3

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	<p>A Product is a uniquely identified object that is managed by a registry/repository. It consists of one or more tagged...</p> <p>A Product Volume PDS3 product captures the PDS3 volume information.</p>
Type	pds:Product_Volume_PDS3
Type hierarchy	<ul style="list-style-type: none"> • pds:Product • pds:Product_Volume_PDS3
Properties	content: complex

Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:Volume_PDS3
Children	pds:Identification_Area, pds:Reference_List, pds:Volume_PDS3
Instance	<pre><pds:Product_Volume_PDS3 xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Identification_Area>{1,1}</pds:Identification_Area> <pds:Reference_List>{0,1}</pds:Reference_List> <pds:Volume_PDS3>{1,1}</pds:Volume_PDS3> </pds:Product_Volume_PDS3></pre>
Source	<pre><xs:element name="Product_Volume_PDS3" type="pds:Product_Volume_PDS3"> </xs:element></pre>

Element pds:Product_Volume_PDS3 / pds:Reference_List

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram	<p>The Reference_List class provides lists general references and cross-references for the product. References cited...</p>						
Type	pds:Reference_List						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:Internal_Reference*, pds:External_Reference*						
Children	pds:External_Reference, pds:Internal_Reference						
Instance	<pre><pds:Reference_List xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Internal_Reference>{0, unbounded}</pds:Internal_Reference> <pds:External_Reference>{0, unbounded}</pds:External_Reference> </pds:Reference_List></pre>						
Source	<pre><xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_Volume_PDS3 / pds:Volume_PDS3

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	<p>The Volume_PDS3 class is used to capture the volume information from the PDS3 Data Set Catalog.</p>

Type	pds:Volume_PDS3						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:archive_status , pds:archive_status_note , pds:curating_node_id* , pds:medium_type , pds:publication_date , pds:volume_de_fullname , pds:volume_format , pds:volume_id , pds:volume_name , pds:volume_set_id , pds:volume_size , pds:volume_version_id , pds:description{0,1}						
Children	pds:archive_status, pds:archive_status_note, pds:curating_node_id, pds:description, pds:medium_type, pds:publication_date, pds:volume_de_fullname, pds:volume_format, pds:volume_id, pds:volume_name, pds:volume_set_id, pds:volume_size, pds:volume_version_id						
Instance	<pre><pds:Volume_PDS3 xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:archive_status>{1,1}</pds:archive_status> <pds:archive_status_note>{1,1}</pds:archive_status_note> <pds:curating_node_id>{0,unbounded}</pds:curating_node_id> <pds:medium_type>{1,1}</pds:medium_type> <pds:publication_date nilReason="">{1,1}</pds:publication_date> <pds:volume_de_fullname>{1,1}</pds:volume_de_fullname> <pds:volume_format>{1,1}</pds:volume_format> <pds:volume_id>{1,1}</pds:volume_id> <pds:volume_name>{1,1}</pds:volume_name> <pds:volume_set_id>{1,1}</pds:volume_set_id> <pds:volume_size>{1,1}</pds:volume_size> <pds:volume_version_id>{1,1}</pds:volume_version_id> <pds:description>{0,1}</pds:description> </pds:Volume_PDS3></pre>						
Source	<pre><xs:element name="Volume_PDS3" type="pds:Volume_PDS3" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Volume_PDS3 / pds:archive_status

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:archive_status						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:archive_status 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="archive_status" type="pds:archive_status" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Volume_PDS3 / pds:archive_status_note

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:archive_status_note
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Text_Preserved pds:archive_status_note

Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="archive_status_note" type="pds:archive_status_note" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>	

Element pds:Volume_PDS3 / pds:curating_node_id

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:curating_node_id	
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:curating_node_id 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	unbounded
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="curating_node_id" type="pds:curating_node_id" minOccurs="0" maxOccurs="unbounded"></code> <code></xs:element></code>	

Element pds:Volume_PDS3 / pds:medium_type

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:medium_type	
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:medium_type 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="medium_type" type="pds:medium_type" minOccurs="1" maxOccurs="1"></code> <code></xs:element></code>	

Element pds:Volume_PDS3 / pds:publication_date

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram			
Type	pds:publication_date		
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Date_YMD • pds:publication_date 		
Properties	content:	complex	
	minOccurs:	1	
	maxOccurs:	1	
	nillable:	true	
Attributes	QName	Type	Use
	nilReason	pds:nil_reason	optional
Source	<pre><xs:element name="publication_date" nillable="true" type="pds:publication_date" minOccurs="1" maxOccurs="1" /></pre>		

Element pds:Volume_PDS3 / pds:volume_de_fullname

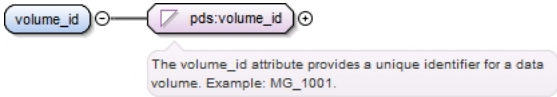
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:volume_de_fullname		
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:volume_de_fullname 		
Properties	content:	simple	
	minOccurs:	1	
	maxOccurs:	1	
Facets	minLength	1	
	maxLength	255	
	pattern	\p{IsBasicLatin}*	
Source	<pre><xs:element name="volume_de_fullname" type="pds:volume_de_fullname" minOccurs="1" maxOccurs="1" /></pre>		

Element pds:Volume_PDS3 / pds:volume_format

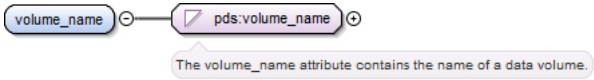
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:volume_format		
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:volume_format 		
Properties	content:	simple	

	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="volume_format" type="pds:volume_format" minOccurs="1" maxOccurs="1"> </xs:element></code>	

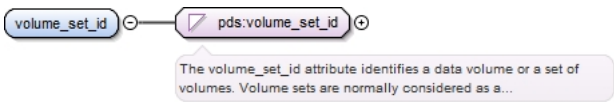
Element pds:Volume_PDS3 / pds:volume_id

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:volume_id	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:volume_id 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="volume_id" type="pds:volume_id" minOccurs="1" maxOccurs="1"> </xs:element></code>	

Element pds:Volume_PDS3 / pds:volume_name

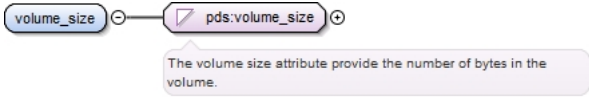
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:volume_name	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:volume_name 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="volume_name" type="pds:volume_name" minOccurs="1" maxOccurs="1"> </xs:element></code>	

Element pds:Volume_PDS3 / pds:volume_set_id

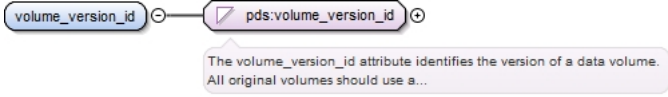
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		

Type	pds:volume_set_id						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:volume_set_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="volume_set_id" type="pds:volume_set_id" minOccurs="1" maxOccurs="1"></xs:element></code>						

Element pds:Volume_PDS3 / pds:volume_size

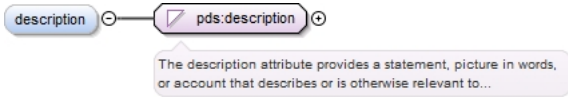
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:volume_size						
Type hierarchy	<ul style="list-style-type: none"> xs:nonNegativeInteger pds:ASCII_NonNegative_Integer pds:volume_size 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<code><xs:element name="volume_size" type="pds:volume_size" minOccurs="1" maxOccurs="1"></xs:element></code>						

Element pds:Volume_PDS3 / pds:volume_version_id

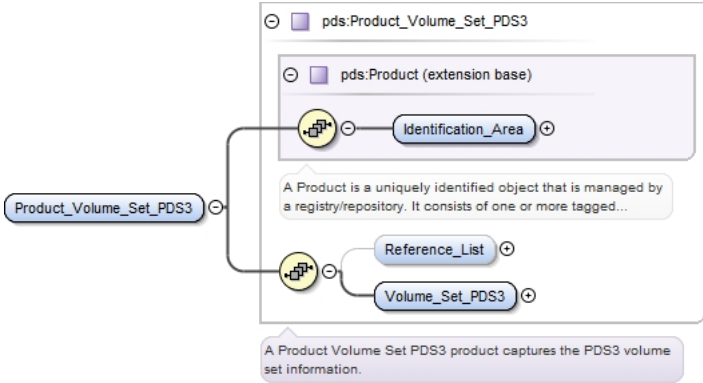
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:volume_version_id						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:volume_version_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="volume_version_id" type="pds:volume_version_id" minOccurs="1" maxOccurs="1"></xs:element></code>						

Element pds:Volume_PDS3 / pds:description

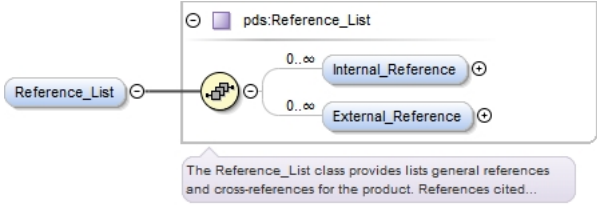
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:description						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<pre><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_Volume_Set_PDS3

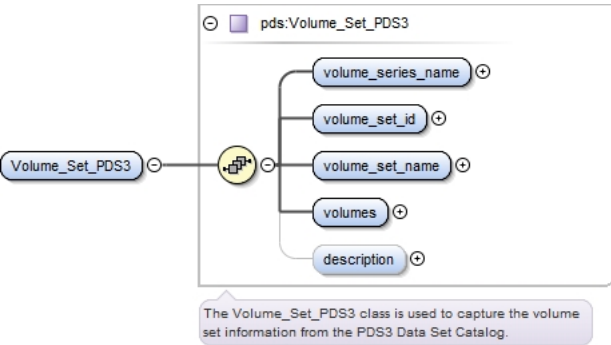
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Product_Volume_Set_PDS3
Type hierarchy	<ul style="list-style-type: none"> • pds:Product • pds:Product_Volume_Set_PDS3
Properties	content: complex
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:Volume_Set_PDS3
Children	pds:Identification_Area, pds:Reference_List, pds:Volume_Set_PDS3
Instance	<pre><pds:Product_Volume_Set_PDS3 xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Identification_Area>{1,1}</pds:Identification_Area> <pds:Reference_List>{0,1}</pds:Reference_List> <pds:Volume_Set_PDS3>{1,1}</pds:Volume_Set_PDS3> </pds:Product_Volume_Set_PDS3></pre>
Source	<pre><xs:element name="Product_Volume_Set_PDS3" type="pds:Product_Volume_Set_PDS3"> </xs:element></pre>

Element pds:Product_Volume_Set_PDS3 / pds:Reference_List

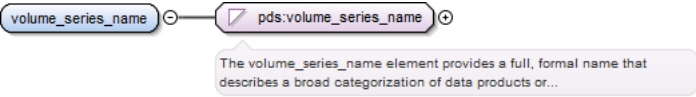
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Reference_List
Properties	content: complex

	minOccurs: 0
	maxOccurs: 1
Model	pds:Internal_Reference* , pds:External_Reference*
Children	pds:External_Reference, pds:Internal_Reference
Instance	<pre><pds:Reference_List xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Internal_Reference>{0,unbounded}</pds:Internal_Reference> <pds:External_Reference>{0,unbounded}</pds:External_Reference> </pds:Reference_List></pre>
Source	<pre><xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element></pre>

Element pds:Product_Volume_Set_PDS3 / pds:Volume_Set_PDS3

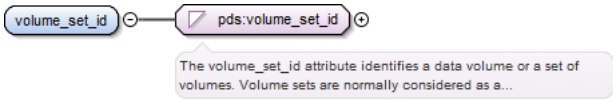
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Volume_Set_PDS3
Properties	content: complex
	minOccurs: 1
	maxOccurs: 1
Model	pds:volume_series_name , pds:volume_set_id , pds:volume_set_name , pds:volumes , pds:description{0,1}
Children	pds:description, pds:volume_series_name, pds:volume_set_id, pds:volume_set_name, pds:volumes
Instance	<pre><pds:Volume_Set_PDS3 xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:volume_series_name>{1,1}</pds:volume_series_name> <pds:volume_set_id>{1,1}</pds:volume_set_id> <pds:volume_set_name>{1,1}</pds:volume_set_name> <pds:volumes>{1,1}</pds:volumes> <pds:description>{0,1}</pds:description> </pds:Volume_Set_PDS3></pre>
Source	<pre><xs:element name="Volume_Set_PDS3" type="pds:Volume_Set_PDS3" minOccurs="1" maxOccurs="1"> </xs:element></pre>

Element pds:Volume_Set_PDS3 / pds:volume_series_name

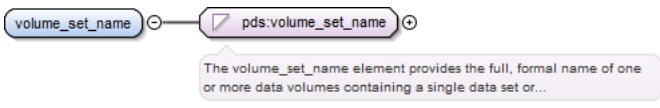
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:volume_series_name
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:volume_series_name
Properties	content: simple
	minOccurs: 1
	maxOccurs: 1
Facets	minLength 1
	maxLength 255

	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="volume_series_name" type="pds:volume_series_name" minOccurs="1" maxOccurs="1"> </xs:element></code>	

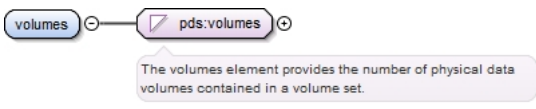
Element pds:Volume_Set_PDS3 / pds:volume_set_id

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:volume_set_id	
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:volume_set_id 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="volume_set_id" type="pds:volume_set_id" minOccurs="1" maxOccurs="1"> </xs:element></code>	

Element pds:Volume_Set_PDS3 / pds:volume_set_name

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:volume_set_name	
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:volume_set_name 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="volume_set_name" type="pds:volume_set_name" minOccurs="1" maxOccurs="1"> </xs:element></code>	

Element pds:Volume_Set_PDS3 / pds:volumes

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:volumes	
Type hierarchy	<ul style="list-style-type: none"> xs:integer pds:ASCII_Integer 	

	<ul style="list-style-type: none"> • pds:volumes
Properties	content: simple
	minOccurs: 1
	maxOccurs: 1
Facets	minInclusive 0
Source	<code><xs:element name="volumes" type="pds:volumes" minOccurs="1" maxOccurs="1"> </xs:element></code>

Element pds:Volume_Set_PDS3 / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:description
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description
Properties	content: simple
	minOccurs: 0
	maxOccurs: 1
Facets	minLength 1
Source	<code><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element></code>

Element pds:Product_XML_Schema

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:Product_XML_Schema
Type hierarchy	<ul style="list-style-type: none"> • pds:Product • pds:Product_XML_Schema
Properties	content: complex
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:File_Area_XML_Schema+
Children	pds:File_Area_XML_Schema, pds:Identification_Area, pds:Reference_List
Instance	<code><pds:Product_XML_Schema xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Identification_Area>{1,1}</pds:Identification_Area> <pds:Reference_List>{0,1}</pds:Reference_List> <pds:File_Area_XML_Schema>{1,unbounded}</pds:File_Area_XML_Schema> </pds:Product_XML_Schema></code>
Source	<code><xs:element name="Product_XML_Schema" type="pds:Product_XML_Schema"> </xs:element></code>

Element pds:Product_XML_Schema / pds:Reference_List

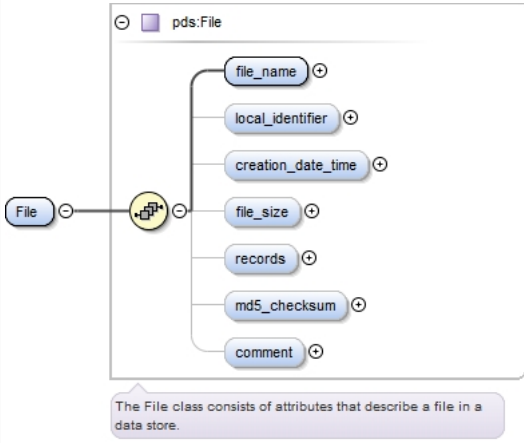
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Reference_List						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	pds:Internal_Reference* , pds:External_Reference*						
Children	pds:External_Reference, pds:Internal_Reference						
Instance	<pre><pds:Reference_List xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Internal_Reference>{0,unbounded}</pds:Internal_Reference> <pds:External_Reference>{0,unbounded}</pds:External_Reference> </pds:Reference_List></pre>						
Source	<pre><xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_XML_Schema / pds:File_Area_XML_Schema

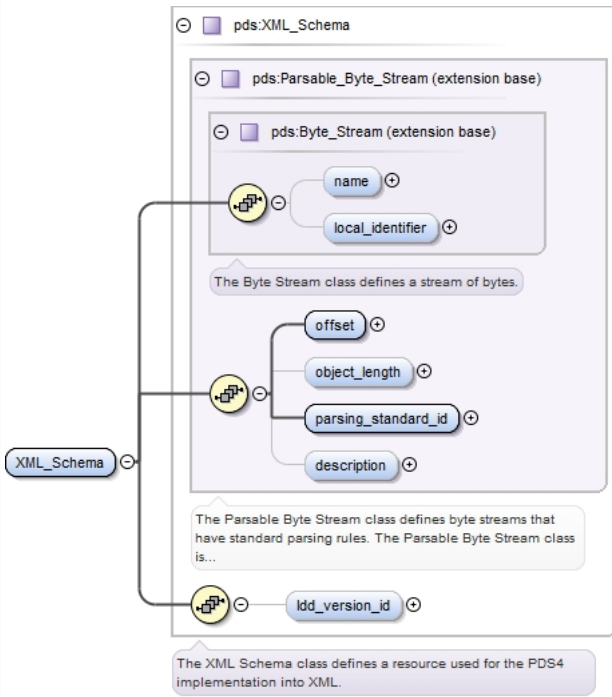
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:File_Area_XML_Schema						
Type hierarchy	<ul style="list-style-type: none"> pds:File_Area pds:File_Area_XML_Schema 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	pds:File , pds:XML_Schema						
Children	pds:File, pds:XML_Schema						
Instance	<pre><pds:File_Area_XML_Schema xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:File>{1,1}</pds:File> <pds:XML_Schema>{1,1}</pds:XML_Schema> </pds:File_Area_XML_Schema></pre>						
Source	<pre><xs:element name="File_Area_XML_Schema" type="pds:File_Area_XML_Schema" minOccurs="1" maxOccurs="unbounded"> </xs:element></pre>						

Element pds:File_Area_XML_Schema / pds:File

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:File						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:file_name , pds:local_identifier{0,1} , pds:creation_date_time{0,1} , pds:file_size{0,1} , pds:records{0,1} , pds:md5_checksum{0,1} , pds:comment{0,1}						
Children	pds:comment, pds:creation_date_time, pds:file_name, pds:file_size, pds:local_identifier, pds:md5_checksum, pds:records						
Instance	<pre><pds:File xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:file_name>{1,1}</pds:file_name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:creation_date_time>{0,1}</pds:creation_date_time> <pds:file_size unit="">{0,1}</pds:file_size> <pds:records>{0,1}</pds:records> <pds:md5_checksum>{0,1}</pds:md5_checksum> <pds:comment>{0,1}</pds:comment> </pds:File></pre>						
Source	<xs:element name="File" type="pds:File" minOccurs="1" maxOccurs="1"></xs:element>						

Element pds:File_Area_XML_Schema / pds:XML_Schema

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:XML_Schema

Type hierarchy	<ul style="list-style-type: none"> pds:Byte_Stream pds:Parsable_Byte_Stream pds:XML_Schema 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:parsing_standard_id , pds:description{0,1} , pds:ldd_version_id{0,1}						
Children	pds:description, pds:ldd_version_id, pds:local_identifier, pds:name, pds:object_length, pds:offset, pds:parsing_standard_id						
Instance	<pre><pds:XML_Schema xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:offset unit="">{1,1}</pds:offset> <pds:object_length unit="">{0,1}</pds:object_length> <pds:parsing_standard_id>{1,1}</pds:parsing_standard_id> <pds:description>{0,1}</pds:description> <pds:ldd_version_id>{0,1}</pds:ldd_version_id> </pds:XML_Schema></pre>						
Source	<pre><xs:element name="XML_Schema" type="pds:XML_Schema" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:XML_Schema / pds:ldd_version_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:ldd_version_id						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:ldd_version_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="ldd_version_id" type="pds:ldd_version_id" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element pds:Product_Zipped

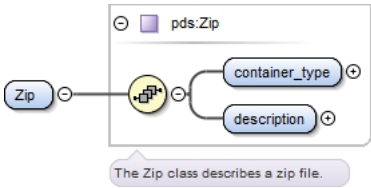
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram	
Type	pds:Product_Zipped
Type hierarchy	<ul style="list-style-type: none"> • pds:Product • pds:Product_Zipped
Properties	content: complex
Model	pds:Identification_Area , pds:Internal_Reference+ , pds:Zip , pds:File
Children	pds:File, pds:Identification_Area, pds:Internal_Reference, pds:Zip
Instance	<pre><pds:Product_Zipped xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:Identification_Area>{1,1}</pds:Identification_Area> <pds:Internal_Reference>{1,unbounded}</pds:Internal_Reference> <pds:Zip>{1,1}</pds:Zip> <pds:File>{1,1}</pds:File> </pds:Product_Zipped></pre>
Source	<pre><xs:element name="Product_Zipped" type="pds:Product_Zipped"> </xs:element></pre>

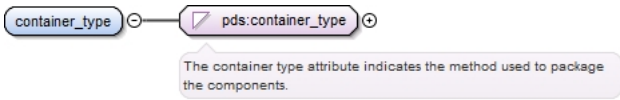
Element pds:Product_Zipped / pds:Internal_Reference

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Internal_Reference						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	(pds:lid_reference{0,1} pds:lidvid_reference{0,1}) , pds:reference_type , pds:comment{0,1}						
Children	pds:comment, pds:lid_reference, pds:lidvid_reference, pds:reference_type						
Instance	<pre><pds:Internal_Reference xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:lid_reference>{0,1}</pds:lid_reference> <pds:lidvid_reference>{0,1}</pds:lidvid_reference> <pds:reference_type>{1,1}</pds:reference_type> <pds:comment>{0,1}</pds:comment> </pds:Internal_Reference></pre>						
Source	<pre><xs:element name="Internal_Reference" type="pds:Internal_Reference" minOccurs="1" maxOccurs="unbounded"> </xs:element></pre>						

Element pds:Product_Zipped / pds:Zip

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Zip						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	pds:container_type , pds:description						
Children	pds:container_type, pds:description						
Instance	<pre><pds:Zip xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:container_type>{1,1}</pds:container_type> <pds:description>{1,1}</pds:description> </pds:Zip></pre>						
Source	<pre><xs:element name="Zip" type="pds:Zip" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Zip / pds:container_type

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:container_type						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:container_type 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="container_type" type="pds:container_type" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Zip / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:description		
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 		
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> </table>	content:	simple
content:	simple		

	minOccurs: 1
	maxOccurs: 1
Facets	minLength 1
Source	<xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element>

Element pds:Product_Zipped / pds:File

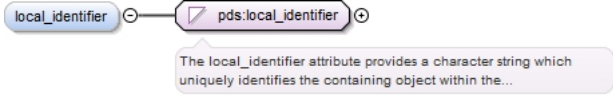
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	<p>The File class consists of attributes that describe a file in a data store.</p>
Type	pds:File
Properties	content: complex minOccurs: 1 maxOccurs: 1
Model	pds:file_name , pds:local_identifier{0,1} , pds:creation_date_time{0,1} , pds:file_size{0,1} , pds:records{0,1} , pds:md5_checksum{0,1} , pds:comment{0,1}
Children	pds:comment, pds:creation_date_time, pds:file_name, pds:file_size, pds:local_identifier, pds:md5_checksum, pds:records
Instance	<pre><pds:File xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:file_name>{1,1}</pds:file_name> <pds:local_identifier>{0,1}</pds:local_identifier> <pds:creation_date_time>{0,1}</pds:creation_date_time> <pds:file_size unit="">{0,1}</pds:file_size> <pds:records>{0,1}</pds:records> <pds:md5_checksum>{0,1}</pds:md5_checksum> <pds:comment>{0,1}</pds:comment> </pds:File></pre>
Source	<xs:element name="File" type="pds:File" minOccurs="1" maxOccurs="1"> </xs:element>

Element pds:Quaternion / pds:name

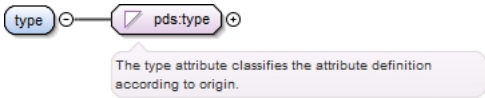
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	<p>The name attribute provides a word or combination of words by which the Agency is known.</p>
Type	pds:name
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:UTF8_Short_String_Collapsed pds:name
Properties	content: simple minOccurs: 1 maxOccurs: 1
Facets	minLength 1

	maxLength	255
Source	<code><xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1" > </xs:element></code>	

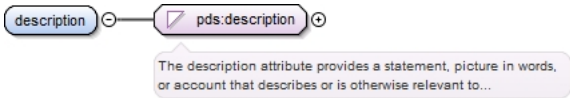
Element pds:Quaternion / pds:local_identifier

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:local_identifier	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:local_identifier 	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1" > </xs:element></code>	

Element pds:Quaternion / pds:type

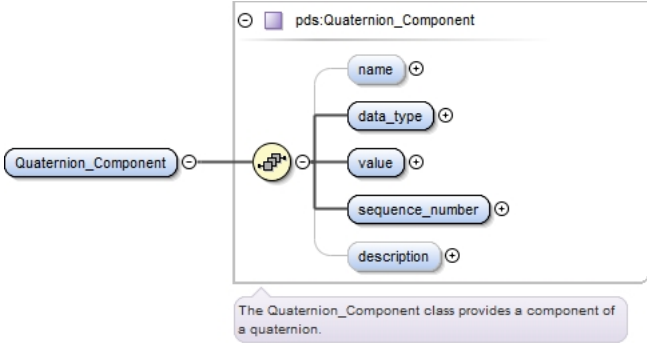
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:type	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:type 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="type" type="pds:type" minOccurs="1" maxOccurs="1" > </xs:element></code>	

Element pds:Quaternion / pds:description

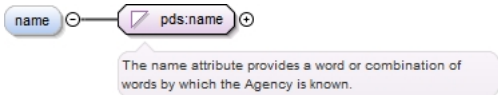
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:description	
Type hierarchy	<ul style="list-style-type: none"> • xs:string 	

	<ul style="list-style-type: none"> • pds:UTF8_Text_Preserved • pds:description 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						
Source	<pre><xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1" /> </xs:element></pre>						

Element pds:Quaternion / pds:Quaternion_Component

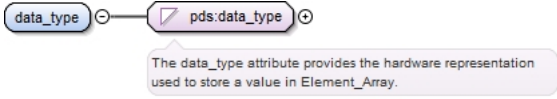
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Quaternion_Component						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>4</td> </tr> <tr> <td>maxOccurs:</td> <td>4</td> </tr> </table>	content:	complex	minOccurs:	4	maxOccurs:	4
content:	complex						
minOccurs:	4						
maxOccurs:	4						
Model	pds:name{0,1} , pds:data_type , pds:value , pds:sequence_number , pds:description{0,1}						
Children	pds:data_type, pds:description, pds:name, pds:sequence_number, pds:value						
Instance	<pre><pds:Quaternion_Component xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:data_type>{1,1}</pds:data_type> <pds:value>{1,1}</pds:value> <pds:sequence_number>{1,1}</pds:sequence_number> <pds:description>{0,1}</pds:description> </pds:Quaternion_Component></pre>						
Source	<pre><xs:element name="Quaternion_Component" type="pds:Quaternion_Component" minOccurs="4" maxOccurs="4" /> </xs:element></pre>						

Element pds:Quaternion_Component / pds:name

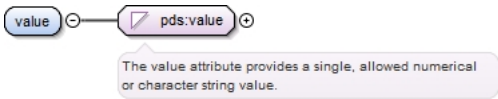
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:UTF8_Short_String_Collapsed • pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1				
minLength	1						

	maxLength	255
Source	<code><xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1" > </xs:element></code>	

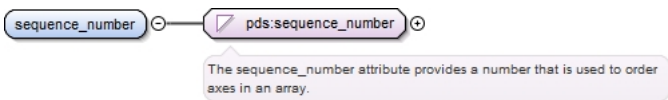
Element pds:Quaternion_Component / pds:data_type

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:data_type	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:data_type 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="data_type" type="pds:data_type" minOccurs="1" maxOccurs="1" > </xs:element></code>	

Element pds:Quaternion_Component / pds:value

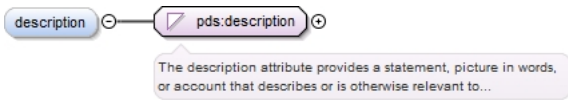
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:value	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:value 	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Source	<code><xs:element name="value" type="pds:value" minOccurs="1" maxOccurs="1" > </xs:element></code>	

Element pds:Quaternion_Component / pds:sequence_number

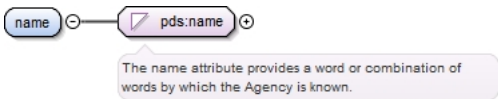
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	pds:sequence_number	
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer 	

	<ul style="list-style-type: none"> • pds:sequence_number
Properties	content: simple
	minOccurs: 1
	maxOccurs: 1
Facets	maxInclusive 16
	minInclusive 1
Source	<code><xs:element name="sequence_number" type="pds:sequence_number" minOccurs="1" maxOccurs="1"> </xs:element></code>

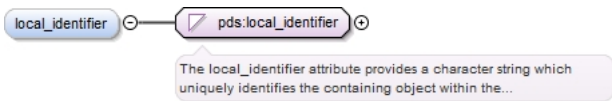
Element pds:Quaternion_Component / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:description
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description
Properties	content: simple
	minOccurs: 0
	maxOccurs: 1
Facets	minLength 1
Source	<code><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element></code>

Element pds:Vector / pds:name

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:name
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:UTF8_Short_String_Collapsed • pds:name
Properties	content: simple
	minOccurs: 1
	maxOccurs: 1
Facets	minLength 1
	maxLength 255
Source	<code><xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"> </xs:element></code>

Element pds:Vector / pds:local_identifier

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	

Type	pds:local_identifier						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:local_identifier 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"> </xs:element></code>						

Element pds:Vector / pds:type

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:type						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:type 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="type" type="pds:type" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Vector / pds:data_type

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:data_type						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:data_type 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<code><xs:element name="data_type" type="pds:data_type" minOccurs="1" maxOccurs="1"> </xs:element></code>						

</xs:element>

Element pds:Vector / pds:reference_frame_id

Namespace	http://pds.nasa.gov/pds4/pds/v1								
Diagram									
Type	pds:reference_frame_id								
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:reference_frame_id 								
Properties	content:	complex							
	minOccurs:	1							
	maxOccurs:	1							
	nillable:	true							
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>nilReason</td> <td>pds:nil_reason</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	nilReason	pds:nil_reason	optional		
QName	Type	Use							
nilReason	pds:nil_reason	optional							
Source	<pre><xs:element name="reference_frame_id" nillable="true" type="pds:reference_frame_id" minOccurs="1" maxOccurs="1" /></pre>								

Element pds:Vector / pds:vector_components

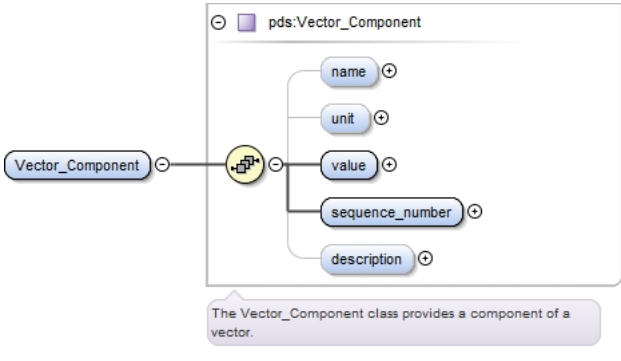
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:vector_components		
Type hierarchy	<ul style="list-style-type: none"> xs:integer pds:ASCII_Integer pds:vector_components 		
Properties	content:	simple	
	minOccurs:	1	
	maxOccurs:	1	
Source	<pre><xs:element name="vector_components" type="pds:vector_components" minOccurs="1" maxOccurs="1" /></pre>		

Element pds:Vector / pds:description

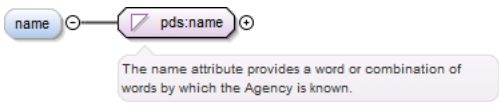
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:description		
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:UTF8_Text_Preserved pds:description 		

Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Facets	minLength	1
Source	<code><xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element></code>	

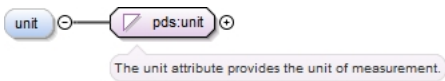
Element pds:Vector / pds:Vector_Component

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:Vector_Component						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	pds:name{0,1} , pds:unit{0,1} , pds:value , pds:sequence_number , pds:description{0,1}						
Children	pds:description, pds:name, pds:sequence_number, pds:unit, pds:value						
Instance	<pre><pds:Vector_Component xmlns:pds="http://pds.nasa.gov/pds4/pds/v1"> <pds:name>{0,1}</pds:name> <pds:unit>{0,1}</pds:unit> <pds:value>{1,1}</pds:value> <pds:sequence_number>{1,1}</pds:sequence_number> <pds:description>{0,1}</pds:description> </pds:Vector_Component></pre>						
Source	<code><xs:element name="Vector_Component" type="pds:Vector_Component" minOccurs="1" maxOccurs="unbounded"> </xs:element></code>						

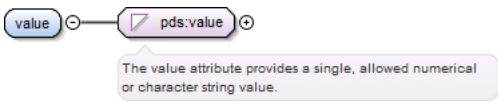
Element pds:Vector_Component / pds:name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:name						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:UTF8_Short_String_Collapsed • pds:name 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<code><xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element></code>						

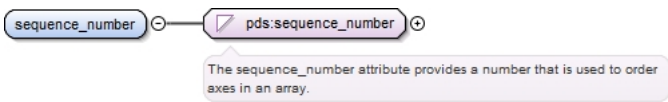
Element `pds:Vector_Component` / `pds:unit`

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:unit						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:UTF8_Short_String_Collapsed • pds:unit 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255		
minLength	1						
maxLength	255						
Source	<pre><xs:element name="unit" type="pds:unit" minOccurs="0" maxOccurs="1"> </xs:element></pre>						

Element `pds:Vector_Component` / `pds:value`

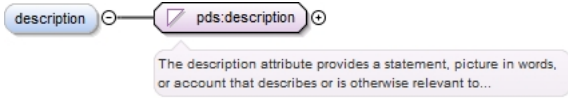
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:value						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:value 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:element name="value" type="pds:value" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element `pds:Vector_Component` / `pds:sequence_number`

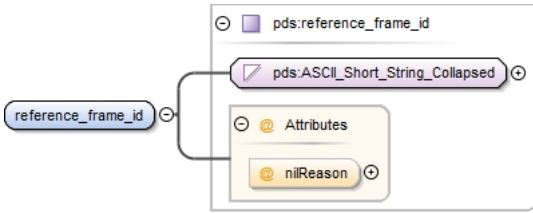
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:sequence_number						
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:sequence_number 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						

Facets	maxInclusive	16
	minInclusive	1
Source	<code><xs:element name="sequence_number" type="pds:sequence_number" minOccurs="1" maxOccurs="1"> </xs:element></code>	

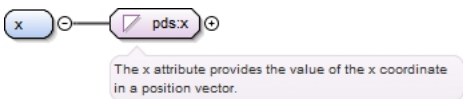
Element pds:Vector_Component / pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:description		
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:description 		
Properties	content:	simple	
	minOccurs:	0	
	maxOccurs:	1	
Facets	minLength	1	
Source	<code><xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element></code>		

Element pds:Vector_Cartesian_3 / pds:reference_frame_id

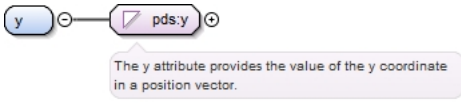
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:reference_frame_id		
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:reference_frame_id 		
Properties	content:	complex	
	minOccurs:	1	
	maxOccurs:	1	
Attributes	QName	Type	Use
	nilReason	pds:nil_reason	optional
Source	<code><xs:element name="reference_frame_id" type="pds:reference_frame_id" minOccurs="1" maxOccurs="1"> </xs:element></code>		

Element pds:Vector_Cartesian_3 / pds:x

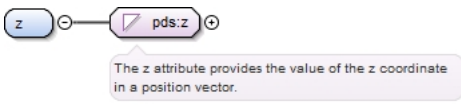
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:x		

Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:x 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre><xs:element name="x" type="pds:x" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

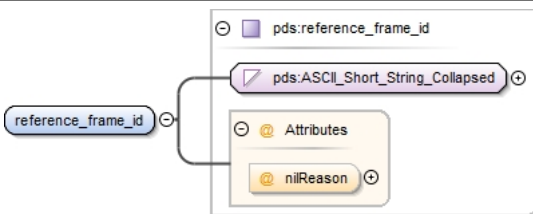
Element pds:Vector_Cartesian_3 / pds:y

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:y						
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:y 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre><xs:element name="y" type="pds:y" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Vector_Cartesian_3 / pds:z

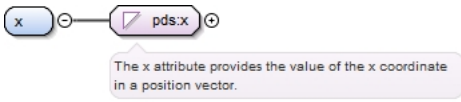
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:z						
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:z 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre><xs:element name="z" type="pds:z" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element pds:Vector_Cartesian_3_Acceleration / pds:reference_frame_id

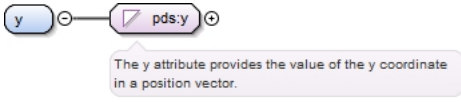
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	

Type	pds:reference_frame_id		
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:reference_frame_id 		
Properties	content:	complex	
	minOccurs:	1	
	maxOccurs:	1	
Attributes	QName	Type	Use
	nilReason	pds:nil_reason	optional
Source	<pre><xs:element name="reference_frame_id" type="pds:reference_frame_id" minOccurs="1" maxOccurs="1"> </xs:element></pre>		

Element pds:Vector_Cartesian_3_Acceleration / pds:x

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:x		
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:x 		
Properties	content:	simple	
	minOccurs:	1	
	maxOccurs:	1	
Source	<pre><xs:element name="x" type="pds:x" minOccurs="1" maxOccurs="1"> </xs:element></pre>		

Element pds:Vector_Cartesian_3_Acceleration / pds:y

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:y		
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:y 		
Properties	content:	simple	
	minOccurs:	1	
	maxOccurs:	1	
Source	<pre><xs:element name="y" type="pds:y" minOccurs="1" maxOccurs="1"> </xs:element></pre>		

Element pds:Vector_Cartesian_3_Acceleration / pds:z

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			

Type	pds:z						
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real pds:z 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<code><xs:element name="z" type="pds:z" minOccurs="1" maxOccurs="1"> </xs:element></code>						

Element pds:Vector_Cartesian_3_Pointing / pds:reference_frame_id

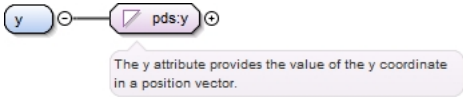
Namespace	http://pds.nasa.gov/pds4/pds/v1								
Diagram									
Type	pds:reference_frame_id								
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:reference_frame_id 								
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>			content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex								
minOccurs:	1								
maxOccurs:	1								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>nilReason</td> <td>pds:nil_reason</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	nilReason	pds:nil_reason	optional		
QName	Type	Use							
nilReason	pds:nil_reason	optional							
Source	<code><xs:element name="reference_frame_id" type="pds:reference_frame_id" minOccurs="1" maxOccurs="1"> </xs:element></code>								

Element pds:Vector_Cartesian_3_Pointing / pds:x

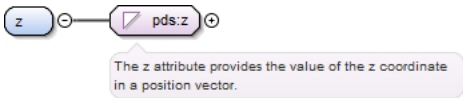
Namespace	http://pds.nasa.gov/pds4/pds/v1								
Diagram									
Type	pds:x								
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real pds:x 								
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>			content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple								
minOccurs:	1								
maxOccurs:	1								
Source	<code><xs:element name="x" type="pds:x" minOccurs="1" maxOccurs="1"> </xs:element></code>								

Element pds:Vector_Cartesian_3_Pointing / pds:y

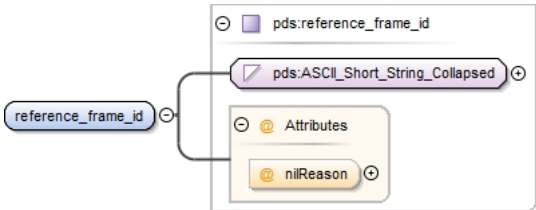
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	pds:y						
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:y 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre><xs:element name="y" type="pds:y" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

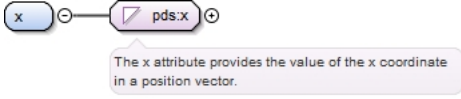
Element pds:Vector_Cartesian_3_Pointing / pds:z

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:z						
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:z 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre><xs:element name="z" type="pds:z" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

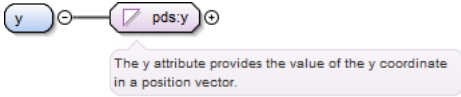
Element pds:Vector_Cartesian_3_Position / pds:reference_frame_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:reference_frame_id						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:reference_frame_id 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>nilReason</td> <td>pds:nil_reason</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	nilReason	pds:nil_reason	optional
QName	Type	Use					
nilReason	pds:nil_reason	optional					
Source	<pre><xs:element name="reference_frame_id" type="pds:reference_frame_id" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

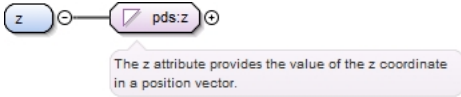
Element `pds:Vector_Cartesian_3_Position` / `pds:x`

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:x						
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:x 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre><xs:element name="x" type="pds:x" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element `pds:Vector_Cartesian_3_Position` / `pds:y`

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:y						
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:y 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre><xs:element name="y" type="pds:y" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element `pds:Vector_Cartesian_3_Position` / `pds:z`

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:z						
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:z 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre><xs:element name="z" type="pds:z" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Element `pds:Vector_Cartesian_3_Velocity` / `pds:reference_frame_id`

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram			
Type	pds:reference_frame_id		
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:reference_frame_id 		
Properties	content:	complex	
	minOccurs:	1	
	maxOccurs:	1	
Attributes	QName	Type	Use
	nilReason	pds:nil_reason	optional
Source	<pre><xs:element name="reference_frame_id" type="pds:reference_frame_id" minOccurs="1" maxOccurs="1"> </xs:element></pre>		

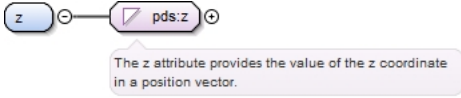
Element pds:Vector_Cartesian_3_Velocity / pds:x

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:x		
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:x 		
Properties	content:	simple	
	minOccurs:	1	
	maxOccurs:	1	
Source	<pre><xs:element name="x" type="pds:x" minOccurs="1" maxOccurs="1"> </xs:element></pre>		

Element pds:Vector_Cartesian_3_Velocity / pds:y

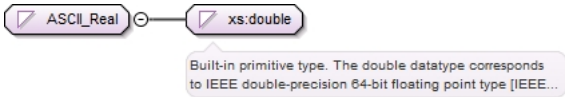
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	pds:y		
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:y 		
Properties	content:	simple	
	minOccurs:	1	
	maxOccurs:	1	
Source	<pre><xs:element name="y" type="pds:y" minOccurs="1" maxOccurs="1"> </xs:element></pre>		

Element `pds:Vector_Cartesian_3_Velocity` / `pds:z`

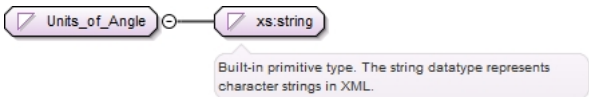
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	pds:z						
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real pds:z 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre><xs:element name="z" type="pds:z" minOccurs="1" maxOccurs="1"> </xs:element></pre>						

Simple Type(s)

Simple Type `pds:ASCII_Real`

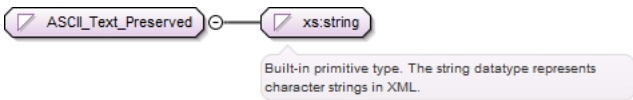
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	xs:double
Used by	<p>Simple Types</p> <p>cart:abscissa_resolution_WO_Units, cart:azimuth_measure_point_longitude_WO_Units, cart:azimuthal_angle_WO_Units, cart:bearing_resolution_WO_Units, cart:distance_resolution_WO_Units, cart:east_bounding_coordinate_WO_Units, cart:latitude_of_projection_origin_WO_Units, cart:latitude_resolution_WO_Units, cart:longitude_of_central_meridian_WO_Units, cart:longitude_resolution_WO_Units, cart:north_bounding_coordinate_WO_Units, cart:oblique_line_latitude_WO_Units, cart:oblique_line_longitude_WO_Units, cart:ordinate_resolution_WO_Units, cart:polar_radius_WO_Units, cart:scale_factor_at_center_line, cart:scale_factor_at_central_meridian, cart:scale_factor_at_projection_origin, cart:semi_major_radius_WO_Units, cart:semi_minor_radius_WO_Units, cart:south_bounding_coordinate_WO_Units, cart:standard_parallel_WO_Units, cart:straight_vertical_longitude_from_pole_WO_Units, cart:upperleft_corner_x_WO_Units, cart:upperleft_corner_y_WO_Units, cart:west_bounding_coordinate_WO_Units, pds:altitude_WO_Units, pds:aperture_WO_Units, pds:band_width_WO_Units, pds:center_wavelength_WO_Units, pds:first_sampling_parameter_value, pds:last_sampling_parameter_value, pds:maximum, pds:maximum_scaled_value, pds:mean, pds:median, pds:minimum, pds:minimum_scaled_value, pds:sampling_parameter_interval, pds:scaling_factor, pds:solar_longitude_WO_Units, pds:standard_deviation, pds:telescope_latitude_WO_Units, pds:telescope_longitude_WO_Units, pds:value_offset, pds:x, pds:y, pds:z</p>
Source	<pre><xs:simpleType name="ASCII_Real"> <xs:restriction base="xs:double"> </xs:restriction> </xs:simpleType></pre>

Simple Type `pds:Units_of_Angle`


Namespace	http://pds.nasa.gov/pds4/pds/v1				
Diagram					
Type	restriction of xs:string				
Facets	<table border="1"> <tr> <td>enumeration</td> <td>arcmin</td> </tr> <tr> <td>enumeration</td> <td>arcsec</td> </tr> </table>	enumeration	arcmin	enumeration	arcsec
enumeration	arcmin				
enumeration	arcsec				

	enumeration	deg
	enumeration	hr
	enumeration	mrad
	enumeration	rad
Used by	Attributes	cart:azimuth_measure_point_longitude/@unit, cart:azimuthal_angle/@unit, cart:bearing_resolution/@unit, cart:east_bounding_coordinate/@unit, cart:latitude_of_projection_origin/@unit, cart:latitude_resolution/@unit, cart:longitude_of_central_meridian/@unit, cart:longitude_resolution/@unit, cart:north_bounding_coordinate/@unit, cart:oblique_line_latitude/@unit, cart:oblique_line_longitude/@unit, cart:south_bounding_coordinate/@unit, cart:standard_parallel/@unit, cart:straight_vertical_longitude_from_pole/@unit, cart:west_bounding_coordinate/@unit, pds:solar_longitude/@unit, pds:telescope_latitude/@unit, pds:telescope_longitude/@unit
Source	<pre><xs:simpleType name="Units_of_Angle"> <xs:restriction base="xs:string"> <xs:enumeration value="arcmin"/> <xs:enumeration value="arcsec"/> <xs:enumeration value="deg"/> <xs:enumeration value="hr"/> <xs:enumeration value="mrad"/> <xs:enumeration value="rad"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type pds:ASCII_Text_Preserved

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	restriction of xs:string	
Facets	minLength	1
	pattern	\p{IsBasicLatin}*
Used by	Simple Types	cart:local_description, cart:local_georeference_information, cart:local_planar_description, cart:local_planar_georeference_information, pds:abstract_desc, pds:acknowledgement_text, pds:archive_status_note, pds:citation_text, pds:comment, pds:compile_note, pds:confidence_level_note, pds:copyright, pds:data_set_desc, pds:data_set_terse_desc, pds:install_note, pds:instrument_desc, pds:instrument_host_desc, pds:mission_desc, pds:mission_objectives_summary, pds:postal_address_text, pds:property_value, pds:reference_text, pds:supported_architecture_note, pds:supported_environment_note, pds:supported_operating_system_note, pds:system_requirements_note, pds:target_desc, pds:value_meaning
Source	<pre><xs:simpleType name="ASCII_Text_Preserved"> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:pattern value="\p{IsBasicLatin}*" /> </xs:restriction> </xs:simpleType></pre>	

Simple Type pds:ASCII_Short_String_Collapsed

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	restriction of xs:token	
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Used by	Simple Types	cart:bearing_reference_direction, cart:bearing_reference_meridian, cart:ellipsoid_name, cart:grid_coordinate_system_name, cart:horizontal_datum_name, cart:longitude_direction, cart:map_projection_name, cart:planar_coordinate_encoding_method, cart:reference_frame_name,

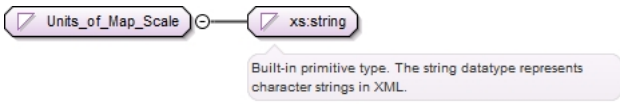
	<p>cart:spcs_zone_identifier, cart:ups_zone_identifier, pds:affiliation_type, pds:alternate_designation, pds:alternate_id, pds:alternate_telephone_number, pds:alternate_title, pds:archive_status, pds:attribute_concept, pds:axis_index_order, pds:axis_name, pds:bundle_type, pds:checksum_type, pds:class_name, pds:collection_type, pds:conceptual_domain, pds:constant_value, pds:container_type, pds:coordinate_source, pds:country, pds:curating_node_id, pds:data_regime, pds:data_set_id, pds:data_set_name, pds:data_set_release_date, pds:data_type, pds:directory_path_name, pds:document_standard_id, pds:doi, pds:domain, pds:electronic_mail_address, pds:encoding_standard_id, pds:encoding_type, pds:error_constant, pds:external_namespace_id, pds:external_property_map_id, pds:external_property_maps_id, pds:field_delimiter, pds:field_format, pds:file_name, pds:full_name, pds:high_instrument_saturation, pds:high_representation_saturation, pds:identifier, pds:information_model_version, pds:instance_id, pds:institution_name, pds:instrument_host_id, pds:instrument_host_name, pds:instrument_host_type, pds:instrument_host_version_id, pds:instrument_id, pds:instrument_name, pds:instrument_serial_number, pds:instrument_type, pds:instrument_version_id, pds:invalid_constant, pds:kernel_type, pds:language, pds:ldd_version_id, pds:line_display_direction, pds:local_identifier, pds:local_identifier_reference, pds:local_mean_solar_time, pds:local_reference_type, pds:local_true_solar_time, pds:logical_identifier, pds:low_instrument_saturation, pds:low_representation_saturation, pds:manifest_checksum, pds:manifest_url, pds:maximum_characters, pds:maximum_occurrences, pds:maximum_value, pds:medium_type, pds:member_status, pds:minimum_characters, pds:minimum_occurrences, pds:minimum_value, pds:missing_constant, pds:mission_name, pds:mission_start_date, pds:mission_stop_date, pds:model_id, pds:model_object_id, pds:model_object_type, pds:naif_host_id, pds:naif_instrument_id, pds:namespace_id, pds:not_applicable_constant, pds:nssdc_collection_id, pds:orbit_direction, pds:os_version, pds:parsing_standard_id, pds:pattern, pds:primary_body_name, pds:processing_level, pds:processing_level_id, pds:producer_full_name, pds:product_class, pds:program_notes_id, pds:programmers_manual_id, pds:property_name, pds:provider_site_id, pds:purpose, pds:record_delimiter, pds:reference_type, pds:registered_by, pds:registration_authority_id, pds:revision_id, pds:rotation_direction, pds:rule_assign, pds:rule_context, pds:rule_description, pds:rule_message, pds:rule_test, pds:rule_type, pds:rule_value, pds:sample_display_direction, pds:sampling_parameter_name, pds:sampling_parameter_scale, pds:sampling_parameter_unit, pds:saturated_constant, pds:serial_number, pds:software_dialect, pds:software_format_type, pds:software_id, pds:software_language, pds:software_type, pds:software_version_id, pds:sort_name, pds:starting_point_identifier, pds:steward_id, pds:submitter_name, pds:subscription_id, pds:target_name, pds:target_type, pds:team_name, pds:telephone_number, pds:type, pds:unit_of_measure_type, pds:unknown_constant, pds:users_manual_id, pds:valid_maximum, pds:valid_minimum, pds:value, pds:value_data_type, pds:version_id, pds:volume_de_fullname, pds:volume_format, pds:volume_id, pds:volume_name, pds:volume_series_name, pds:volume_set_id, pds:volume_set_name, pds:volume_version_id, pds:wavelength_range</p>
Elements	<p>pds:Science_Facets/pds:discipline_name, pds:Science_Facets/pds:facet1, pds:Science_Facets/pds:facet2, pds:Science_Facets/pds:subfacet1, pds:Science_Facets/pds:subfacet2</p>
Complex Type	<p>pds:reference_frame_id</p>
Attributes	<p>pds:Vector_Cartesian_3/@unit, pds:Vector_Cartesian_3_Acceleration/@unit, pds:Vector_Cartesian_3_Position/@unit, pds:Vector_Cartesian_3_Velocity/@unit</p>
Source	<pre><xs:simpleType name="ASCII_Short_String_Collapsed"> <xs:restriction base="xs:token"> <xs:minLength value="1"/> <xs:maxLength value="255"/> <xs:pattern value="\p{IsBasicLatin}*" /> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:ASCII_Integer

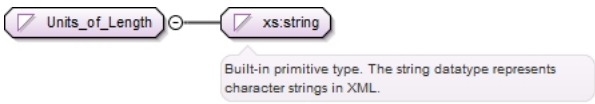
Namespace	<p>http://pds.nasa.gov/pds4/pds/v1</p>
Diagram	
Type	<p>xs:integer</p>
Used by	<p>Simple Types</p> <p>cart:utm_zone_number, pds:axes, pds:band_number, pds:bit_fields, pds:detector_number, pds:document_editions, pds:elements, pds:field_length_WO_Units, pds:field_location_WO_Units, pds:field_number, pds:fields, pds:files, pds:filter_number, pds:grating_position, pds:group_length_WO_Units, pds:group_location_WO_Units, pds:group_number, pds:groups, pds:maximum_field_length_WO_Units, pds:maximum_record_length_WO_Units, pds:object_length_WO_Units, pds:offset_WO_Units, pds:original_band, pds:record_length_WO_Units, pds:records, pds:repetitions, pds:sequence_number, pds:start_bit, pds:stop_bit, pds:vector_components, pds:volumes</p>
Source	<pre><xs:simpleType name="ASCII_Integer"> <xs:restriction base="xs:integer"></pre>

```
</xs:restriction>
</xs:simpleType>
```

Simple Type pds:Units_of_Map_Scale

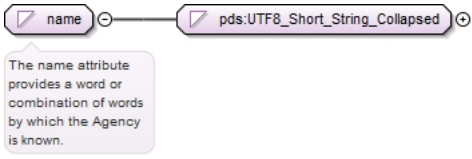
Namespace	http://pds.nasa.gov/pds4/pds/v1								
Diagram									
Type	restriction of xs:string								
Facets	<table border="1"> <tr><td>enumeration</td><td>km/pixel</td></tr> <tr><td>enumeration</td><td>m/pixel</td></tr> <tr><td>enumeration</td><td>mm/pixel</td></tr> <tr><td>enumeration</td><td>pixel/deg</td></tr> </table>	enumeration	km/pixel	enumeration	m/pixel	enumeration	mm/pixel	enumeration	pixel/deg
enumeration	km/pixel								
enumeration	m/pixel								
enumeration	mm/pixel								
enumeration	pixel/deg								
Used by	Attributes cart:abscissa_resolution/@unit, cart:distance_resolution/@unit, cart:ordinate_resolution/@unit								
Source	<pre><xs:simpleType name="Units_of_Map_Scale"> <xs:restriction base="xs:string"> <xs:enumeration value="km/pixel" /> <xs:enumeration value="m/pixel" /> <xs:enumeration value="mm/pixel" /> <xs:enumeration value="pixel/deg" /> </xs:restriction> </xs:simpleType></pre>								

Simple Type pds:Units_of_Length


Namespace	http://pds.nasa.gov/pds4/pds/v1																
Diagram																	
Type	restriction of xs:string																
Facets	<table border="1"> <tr><td>enumeration</td><td>AU</td></tr> <tr><td>enumeration</td><td>Angstrom</td></tr> <tr><td>enumeration</td><td>cm</td></tr> <tr><td>enumeration</td><td>km</td></tr> <tr><td>enumeration</td><td>m</td></tr> <tr><td>enumeration</td><td>micrometer</td></tr> <tr><td>enumeration</td><td>mm</td></tr> <tr><td>enumeration</td><td>nm</td></tr> </table>	enumeration	AU	enumeration	Angstrom	enumeration	cm	enumeration	km	enumeration	m	enumeration	micrometer	enumeration	mm	enumeration	nm
enumeration	AU																
enumeration	Angstrom																
enumeration	cm																
enumeration	km																
enumeration	m																
enumeration	micrometer																
enumeration	mm																
enumeration	nm																
Used by	Attributes cart:polar_radius/@unit, cart:semi_major_radius/@unit, cart:semi_minor_radius/@unit, cart:upperleft_corner_x/@unit, cart:upperleft_corner_y/@unit, pds:altitude/@unit, pds:aperture/@unit, pds:band_width/@unit, pds:center_wavelength/@unit																
Source	<pre><xs:simpleType name="Units_of_Length"> <xs:restriction base="xs:string"> <xs:enumeration value="AU" /> <xs:enumeration value="Angstrom" /> <xs:enumeration value="cm" /> <xs:enumeration value="km" /> <xs:enumeration value="m" /> <xs:enumeration value="micrometer" /> <xs:enumeration value="mm" /> <xs:enumeration value="nm" /> </xs:restriction> </xs:simpleType></pre>																

Simple Type pds:name

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The name attribute provides a word or

	combination of words by which the Agency is known.				
Diagram					
Type	restriction of pds:UTF8_Short_String_Collapsed				
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:UTF8_Short_String_Collapsed <ul style="list-style-type: none"> pds:name 				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255
minLength	1				
maxLength	255				
Used by	<p>Elements</p> <p>pds:Agency/pds:name, pds:Array_1D/pds:name, pds:Array_2D/pds:name, pds:Array_3D/pds:name, pds:Array_3D_Image/pds:name, pds:Array_3D_Movie/pds:name, pds:Array_3D_Spectrum/pds:name, pds:Byte_Stream/pds:name, pds:Checksum_Manifest/pds:name, pds:DD_Association_External/pds:name, pds:DD_Attribute/pds:name, pds:DD_Attribute_Full/pds:name, pds:DD_Attribute_Reference/pds:name, pds:DD_Class/pds:name, pds:DD_Class_Full/pds:name, pds:DD_Class_Reference/pds:name, pds:Encoded_Binary/pds:name, pds:Encoded_Header/pds:name, pds:Encoded_Image/pds:name, pds:Encoded_Native/pds:name, pds:External_Reference_Extended/pds:name, pds:Facility/pds:name, pds:Field/pds:name, pds:Group/pds:name, pds:Header/pds:name, pds:Ingest_LDD/pds:name, pds:Instrument/pds:name, pds:Instrument_Host/pds:name, pds:Investigation/pds:name, pds:Investigation_Area/pds:name, pds:Manifest_SIP_Deep_Archive/pds:name, pds:Node/pds:name, pds:Observing_System/pds:name, pds:Observing_System_Component/pds:name, pds:PDS_Affiliate/pds:name, pds:PDS_Guest/pds:name, pds:Quaternion/pds:name, pds:Quaternion_Component/pds:name, pds:Resource/pds:name, pds:Service_Description/pds:name, pds:Software/pds:name, pds:Target/pds:name, pds:Target_Identification/pds:name, pds:Terminological_Entry/pds:name, pds:Transfer_Manifest/pds:name, pds:Vector/pds:name, pds:Vector_Component/pds:name</p>				
Source	<pre><xs:simpleType name="name"> <xs:annotation> <xs:documentation>The name attribute provides a word or combination of words by which the Agency is known.</xs:documentation> </xs:annotation> <xs:restriction base="pds:UTF8_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType></pre>				

Simple Type pds:UTF8_Short_String_Collapsed

Namespace	http://pds.nasa.gov/pds4/pds/v1				
Diagram					
Type	restriction of xs:token				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255
minLength	1				
maxLength	255				
Used by	Simple Types pds:edition_name, pds:keyword, pds:name, pds:specified_unit_id, pds:title, pds:unit				
Source	<pre><xs:simpleType name="UTF8_Short_String_Collapsed"> <xs:restriction base="xs:token"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType></pre>				

Simple Type pds:ldd_version_id

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Annotations	The ldd_version_id attribute provides the version of the Local Data Dictionary.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:ldd_version_id 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Elements pds:Ingest_LDD/pds:ldd_version_id, pds:XML_Schema/pds:ldd_version_id						
Source	<pre><xs:simpleType name="ldd_version_id"> <xs:annotation> <xs:documentation>The ldd_version_id attribute provides the version of the Local Data Dictionary.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:full_name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The full_name attribute provides the complete name for a person and includes titles and suffixes.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:full_name 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Elements pds:Ingest_LDD/pds:full_name, pds:Subscriber_PDS3/pds:full_name, pds:Update_Entry/pds:full_name						
Source	<pre><xs:simpleType name="full_name"> <xs:annotation> <xs:documentation>The full_name attribute provides the complete name for a person and includes titles and suffixes.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:steward_id

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The steward attribute indicates the person or

	organization that manages a set of registered attributes and classes.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:steward_id 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Elements pds:DD_Attribute_Full/pds:steward_id, pds:DD_Class_Full/pds:steward_id, pds:Ingest_LDD/pds:steward_id						
Source	<pre><xs:simpleType name="steward_id"> <xs:annotation> <xs:documentation>The steward attribute indicates the person or organization that manages a set of registered attributes and classes.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:namespace_id

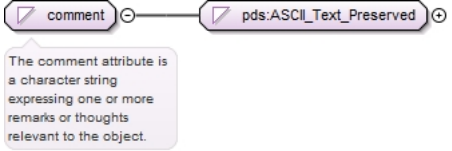
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The namespace_id attribute provides the abbreviation of the XML schema namespace container for this logical grouping of classes and attributes. It is assigned by the steward.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:namespace_id 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Elements pds:DD_Association_External/pds:namespace_id, pds:DD_Attribute_Full/pds:namespace_id, pds:DD_Attribute_Reference/pds:namespace_id, pds:DD_Class_Full/pds:namespace_id, pds:DD_Class_Reference/pds:namespace_id, pds:Ingest_LDD/pds:namespace_id, pds:Property_Maps/pds:namespace_id						
Source	<pre><xs:simpleType name="namespace_id"> <xs:annotation> <xs:documentation>The namespace_id attribute provides the abbreviation of the XML schema namespace container for this logical grouping of classes and attributes. It is assigned by the steward.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

</xs:simpleType>

Simple Type pds:external_property_maps_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The external_property_maps_id attribute provides the identifier of a property_maps instance external to this context.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:external_property_maps_id 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Ingest_LDD/pds:external_property_maps_id						
Source	<pre><xs:simpleType name="external_property_maps_id"> <xs:annotation> <xs:documentation>The external_property_maps_id attribute provides the identifier of a property_maps instance external to this context.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:comment

Namespace	http://pds.nasa.gov/pds4/pds/v1				
Annotations	The comment attribute is a character string expressing one or more remarks or thoughts relevant to the object.				
Diagram					
Type	restriction of pds:ASCII_Text_Preserved				
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Text_Preserved pds:comment 				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*
minLength	1				
pattern	\p{IsBasicLatin}*				
Used by	Elements pds:Alias/pds:comment, pds:Context_Area/pds:comment, pds:DD_Attribute/pds:comment, pds:DD_Attribute_Full/pds:comment, pds:DD_Class_Full/pds:comment, pds:File/pds:comment, pds:Ingest_LDD/pds:comment, pds:Internal_Reference/pds:comment, pds:Local_Internal_Reference/pds:comment, pds:Observation_Area/pds:comment				
Source	<pre><xs:simpleType name="comment"> <xs:annotation> <xs:documentation>The comment attribute is a character string expressing one or more remarks or thoughts relevant to the object.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Text_Preserved"> <xs:minLength value="1" /> </xs:restriction> </xs:simpleType></pre>				

</xs:simpleType>

Simple Type pds:last_modification_date_time

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The last_modification_date_time attribute gives the most recent date and time that a change was made.
Diagram	
Type	pds:ASCII_Date_Time_YMD
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Date_Time_YMD pds:last_modification_date_time
Facets	<p>pattern</p> <pre>((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-)?[0-9] {4}-((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9])) (3[0-1]))(T)(([0-1] [0-9]) (2[0-3]))(Z?) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T) (([0-1][0-9]) (2[0-3])): [0-5][0-9](Z?)) ((-)? [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T) (([0-1][0-9]) (2[0-3])): [0-5][0-9]:(([0-5][0-9]) 60)(\.[[0-9]{1,4}))? (Z?)) ((-)?[0-9]{4}- ((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)24(:00 :00:00)?(Z?)) ((-)? [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1])) (T)24:00:00(\.[[0]{1,4})) (Z?)) ((-)?[0-9]{4}- ((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z?))</pre>
Used by	Element pds:Ingest_LDD/pds:last_modification_date_time
Source	<pre><xs:simpleType name="last_modification_date_time"> <xs:annotation> <xs:documentation>The last_modification_date_time attribute gives the most recent date and time that a change was made.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Date_Time_YMD"> <!-- format="YYYY-MM-DDTHH:MM:SS.SSS(Z)" --> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:ASCII_Date_Time_YMD

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of xs:string

Facets	<p>pattern</p> <pre>((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-)?[0-9] {4}-((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1] [0-9]) (2[0-3]))(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T) ([0-1][0-9]) (2[0-3])): [0-5][0-9](Z?)) ((-)? [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T) ([0-1][0-9]) (2[0-3])): [0-5][0-9]:(([0-5][0-9]) 60)(\.[0-9]{1,4}))? (Z?)) ((-)?[0-9]{4}- ((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)24((:00) (:00:00)?(Z?)) ((-)? [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1])) (T)24:00:00(\.[0]{1,4})) (Z?)) ((-)?[0-9]{4}- ((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z?))</pre>
Used by	<p>Simple Types</p> <p>pds:creation_date_time, pds:date_time, pds:last_modification_date_time, pds:value_begin_date, pds:value_end_date</p>
Source	<pre><xs:simpleType name="ASCII_Date_Time_YMD"> <xs:restriction base="xs:string"> <xs:pattern value="(-)?[0-9]{4}(Z?)" /> <xs:pattern value="(-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)" /> <xs:pattern value="(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1] [0-9]) (2[0-3]))(Z?)" /> <xs:pattern value="(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1] [0-9]) (2[0-3])):[0-5][0-9](Z?)" /> <xs:pattern value="(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1] [0-9]) (2[0-3])):[0-5][0-9]:(([0-5][0-9]) 60)(\.[0-9]{1,4}))?(Z?)" /> <xs:pattern value="(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)24((:00) (:00:00)?(Z?)" /> <xs:pattern value="(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1])) (T)24:00:00(\.[0]{1,4}))?(Z?)" /> <xs:pattern value="(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z?)" /> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:version_id

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The version_id attribute provides the version of the product, expressed in the PDS [m.n] notation.
Diagram	<p>The version_id attribute provides the version of the product, expressed in the PDS [m.n] notation.</p>
Type	restriction of pds:ASCII_Short_String_Collapsed
Type hierarchy	<ul style="list-style-type: none"> xs:token <ul style="list-style-type: none"> pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> pds:version_id
Facets	minLength 1

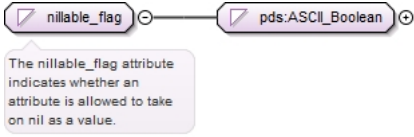
	maxLength	255
	pattern	(\p{IsBasicLatin}*) & (([0-9]+)(\.)?){1}([0-9]+)
Used by	Elements	pds:DD_Attribute/pds:version_id, pds:DD_Attribute_Full/pds:version_id, pds:DD_Class/pds:version_id, pds:DD_Class_Full/pds:version_id, pds:Identification_Area/pds:version_id, pds:Instrument_Host/pds:version_id, pds:Modification_Detail/pds:version_id, pds:Software/pds:version_id
Source	<pre><xs:simpleType name="version_id"> <xs:annotation> <xs:documentation>The version_id attribute provides the version of the product, expressed in the PDS [m.n] notation.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:pattern value="([0-9]+)(\.)?([0-9]+)" /> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType></pre>	

Simple Type pds:local_identifier

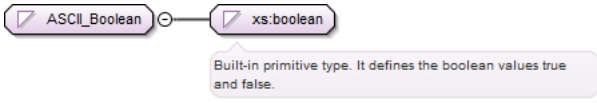
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Annotations	The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.	
Diagram		
Type	restriction of pds:ASCII_Short_String_Collapsed	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:local_identifier 	
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Used by	Elements	pds:Array_1D/pds:local_identifier, pds:Array_2D/pds:local_identifier, pds:Array_3D/pds:local_identifier, pds:Array_3D_Image/pds:local_identifier, pds:Array_3D_Movie/pds:local_identifier, pds:Array_3D_Spectrum/pds:local_identifier, pds:Axis_Array/pds:local_identifier, pds:Byte_Stream/pds:local_identifier, pds:Checksum_Manifest/pds:local_identifier, pds:DD_Association/pds:local_identifier, pds:DD_Attribute/pds:local_identifier, pds:DD_Attribute_Full/pds:local_identifier, pds:DD_Class/pds:local_identifier, pds:DD_Class_Full/pds:local_identifier, pds:DD_Rule/pds:local_identifier, pds:Encoded_Binary/pds:local_identifier, pds:Encoded_Header/pds:local_identifier, pds:Encoded_Image/pds:local_identifier, pds:Encoded_Native/pds:local_identifier, pds:Field_Statistics/pds:local_identifier, pds:File/pds:local_identifier, pds:Header/pds:local_identifier, pds:Manifest_SIP_Deep_Archive/pds:local_identifier, pds:Object_Statistics/pds:local_identifier, pds:Quaternion/pds:local_identifier, pds:Service_Description/pds:local_identifier, pds:Subscriber_PDS3/pds:local_identifier, pds:Transfer_Manifest/pds:local_identifier, pds:Update/pds:local_identifier, pds:Vector/pds:local_identifier
Source	<pre><xs:simpleType name="local_identifier"> <xs:annotation> <xs:documentation>The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType></pre>	

Simple Type pds:nillable_flag

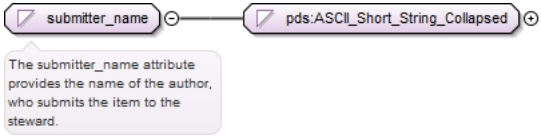
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Annotations	The nillable_flag attribute indicates whether an attribute is allowed to take on nil as a value.
Diagram	
Type	pds:ASCII_Boolean
Type hierarchy	<ul style="list-style-type: none"> xs:boolean <ul style="list-style-type: none"> pds:ASCII_Boolean <ul style="list-style-type: none"> pds:nillable_flag
Used by	Elements pds:DD_Attribute/pds:nillable_flag, pds:DD_Attribute_Full/pds:nillable_flag
Source	<pre><xs:simpleType name="nillable_flag"> <xs:annotation> <xs:documentation>The nillable_flag attribute indicates whether an attribute is allowed to take on nil as a value.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Boolean"> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:ASCII_Boolean

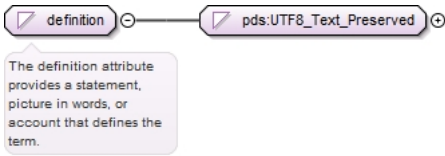
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	xs:boolean
Used by	Simple Types pds:abstract_flag, pds:element_flag, pds:enumeration_flag, pds:nillable_flag, pds:phone_book_flag, pds:preferred_flag
Source	<pre><xs:simpleType name="ASCII_Boolean"> <xs:restriction base="xs:boolean"> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:submitter_name

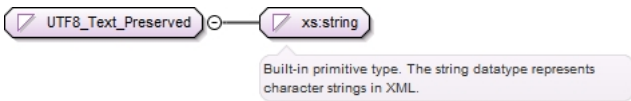
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The submitter_name attribute provides the name of the author, who submits the item to the steward.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token <ul style="list-style-type: none"> pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> pds:submitter_name 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Elements pds:DD_Attribute/pds:submitter_name, pds:DD_Attribute_Full/pds:submitter_name, pds:DD_Class/pds:submitter_name, pds:DD_Class_Full/pds:submitter_name						
Source	<pre><xs:simpleType name="submitter_name"> <xs:annotation></pre>						

	<pre> <xs:documentation>The submitter_name attribute provides the name of the author, who submits the item to the steward.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType> </pre>
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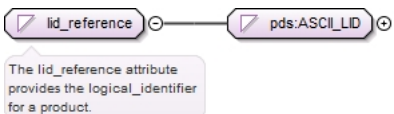
Simple Type pds:definition

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The definition attribute provides a statement, picture in words, or account that defines the term.
Diagram	
Type	restriction of pds:UTF8_Text_Preserved
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:UTF8_Text_Preserved pds:definition
Facets	minLength 1
Used by	Elements pds:DD_Attribute/pds:definition, pds:DD_Attribute_Full/pds:definition, pds:DD_Class/pds:definition, pds:DD_Class_Full/pds:definition, pds:Terminological_Entry/pds:definition
Source	<pre> <xs:simpleType name="definition"> <xs:annotation> <xs:documentation>The definition attribute provides a statement, picture in words, or account that defines the term.</xs:documentation> </xs:annotation> <xs:restriction base="pds:UTF8_Text_Preserved"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType> </pre>

Simple Type pds:UTF8_Text_Preserved

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of xs:string
Facets	minLength 1
Used by	Simple Types pds:address, pds:author_list, pds:definition, pds:description, pds:document_name, pds:editor_list
Source	<pre> <xs:simpleType name="UTF8_Text_Preserved"> <xs:restriction base="xs:string"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType> </pre>

Simple Type pds:lid_reference

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The lid_reference attribute provides the logical_identifier for a product.
Diagram	

Type	restriction of pds:ASCII_LID						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_LID • pds:lid_reference 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>14</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	14	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	14						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Elements pds:Bundle_Member_Entry/pds:lid_reference, pds:Internal_Reference/pds:lid_reference						
Source	<pre><xs:simpleType name="lid_reference"> <xs:annotation> <xs:documentation>The lid_reference attribute provides the logical_identifier for a product.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_LID"> <!-- format="urn:nasa:pds:xxxx" --> <xs:minLength value="14"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:ASCII_LID

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	restriction of xs:string						
Facets	<table border="1"> <tr> <td>minLength</td> <td>14</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	14	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	14						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Simple Type pds:lid_reference						
Source	<pre><xs:simpleType name="ASCII_LID"> <xs:restriction base="xs:string"> <xs:minLength value="14"/> <xs:maxLength value="255"/> <xs:pattern value="\p{IsBasicLatin}*" /> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:lidvid_reference

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The lidvid_reference attribute provides the logical_identifier plus version_id, which uniquely identifies a product.						
Diagram							
Type	restriction of pds:ASCII_LIDVID						
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_LIDVID • pds:lidvid_reference 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>19</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	19	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	19						
maxLength	255						
pattern	\p{IsBasicLatin}*						

Used by	Elements pds:Bundle_Member_Entry/pds:lidvid_reference, pds:Internal_Reference/pds:lidvid_reference
Source	<pre><xs:simpleType name="lidvid_reference"> <xs:annotation> <xs:documentation>The lidvid_reference attribute provides the logical_identifier plus version_id, which uniquely identifies a product.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_LIDVID"> <!-- format="urn:nasa:pds:xxxx:M.n" --> <xs:minLength value="19"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:ASCII_LIDVID

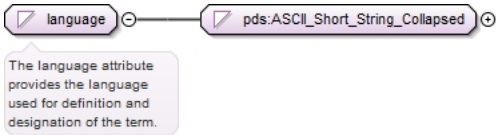
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	restriction of xs:string						
Facets	<table border="1"> <tr> <td>minLength</td> <td>19</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	19	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	19						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Simple Type pds:lidvid_reference						
Source	<pre><xs:simpleType name="ASCII_LIDVID"> <xs:restriction base="xs:string"> <xs:minLength value="19"/> <xs:maxLength value="255"/> <xs:pattern value="\p{IsBasicLatin}*" /> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:reference_type


Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The reference_type attribute provides the name of the association.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token <ul style="list-style-type: none"> • pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> • pds:reference_type 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Elements pds:Bundle_Member_Entry/pds:reference_type, pds:DD_Association/pds:reference_type, pds:DD_Association_External/pds:reference_type, pds:Internal_Reference/pds:reference_type, pds:Inventory/pds:reference_type						
Source	<pre><xs:simpleType name="reference_type"> <xs:annotation> <xs:documentation>The reference_type attribute provides the name of the association.</ xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction></pre>						

</xs:simpleType>

Simple Type pds:language

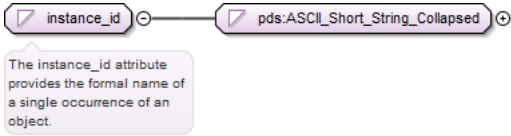
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The language attribute provides the language used for definition and designation of the term.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:language 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Elements pds:Document_Edition/pds:language, pds:Terminological_Entry/pds:language						
Source	<pre><xs:simpleType name="language"> <xs:annotation> <xs:documentation>The language attribute provides the language used for definition and designation of the term.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:preferred_flag

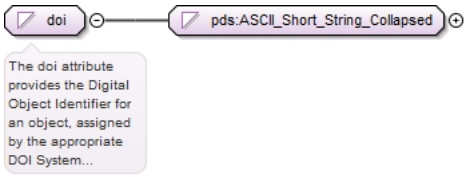
Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The preferred_flag indicates whether this entry is preferred over all other entries.
Diagram	
Type	pds:ASCII_Boolean
Type hierarchy	<ul style="list-style-type: none"> xs:boolean pds:ASCII_Boolean pds:preferred_flag
Used by	Element pds:Terminological_Entry/pds:preferred_flag
Source	<pre><xs:simpleType name="preferred_flag"> <xs:annotation> <xs:documentation>The preferred_flag indicates whether this entry is preferred over all other entries.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Boolean"> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:instance_id

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The instance_id attribute provides the formal

	name of a single occurrence of an object.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:instance_id 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Elements pds:Property_Map/pds:instance_id, pds:Terminological_Entry/pds:instance_id						
Source	<pre><xs:simpleType name="instance_id"> <xs:annotation> <xs:documentation>The instance_id attribute provides the formal name of a single occurrence of an object.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:doi

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The doi attribute provides the Digital Object Identifier for an object, assigned by the appropriate DOI System Registration Agency.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:doi 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Elements pds:Document/pds:doi, pds:External_Reference/pds:doi						
Source	<pre><xs:simpleType name="doi"> <xs:annotation> <xs:documentation>The doi attribute provides the Digital Object Identifier for an object, assigned by the appropriate DOI System Registration Agency.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:reference_text

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Annotations	The reference_text attribute provides a complete bibliographic citation for a published work.				
Diagram	<p>The reference_text attribute provides a complete bibliographic citation for a published work.</p>				
Type	restriction of pds:ASCII_Text_Preserved				
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Text_Preserved pds:reference_text 				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*
minLength	1				
pattern	\p{IsBasicLatin}*				
Used by	Element pds:External_Reference/pds:reference_text				
Source	<pre><xs:simpleType name="reference_text"> <xs:annotation> <xs:documentation>The reference_text attribute provides a complete bibliographic citation for a published work.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Text_Preserved"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>				

Simple Type pds:description

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Annotations	The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.		
Diagram	<p>The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to...</p>		
Type	restriction of pds:UTF8_Text_Preserved		
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:UTF8_Text_Preserved pds:description 		
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1
minLength	1		
Used by	<p>Elements</p> <p>pds:Agency/pds:description, pds:Archival_Information_Package/pds:description, pds:Array/pds:description, pds:Array_1D/pds:description, pds:Array_2D/pds:description, pds:Array_3D/pds:description, pds:Array_3D_Image/pds:description, pds:Array_3D_Movie/pds:description, pds:Array_3D_Spectrum/pds:description, pds:Bundle/pds:description, pds:Checksum_Manifest/pds:description, pds:Citation_Information/pds:description, pds:Collection/pds:description, pds:DIP_Deep_Archive/pds:description, pds:Dissemination_Information_Package/pds:description, pds:Document/pds:description, pds:Document_Edition/pds:description, pds:Encoded_Binary/pds:description, pds:Encoded_Byte_Stream/pds:description, pds:Encoded_Header/pds:description, pds:Encoded_Image/pds:description, pds:Encoded_Native/pds:description, pds:External_Reference/pds:description, pds:Facility/pds:description, pds:Field_Binary/pds:description, pds:Field_Bit/pds:description, pds:Field_Character/pds:description, pds:Field_Delimited/pds:description, pds:Field_Statistics/pds:description, pds:Group/pds:description, pds:Header/pds:description, pds:Information_Package/pds:description, pds:Instrument/pds:description, pds:Instrument_Host/pds:description, pds:Investigation/pds:description, pds:Manifest_SIP_Deep_Archive/pds:description, pds:Modification_Detail/pds:description, pds:Node/pds:description, pds:Object_Statistics/pds:description, pds:Observing_System/pds:description, pds:Observing_System_Component/pds:description, pds:Other/pds:description, pds:PDS_Affiliate/pds:description, pds:PDS_Guest/pds:description, pds:Packed_Data_Fields/pds:description, pds:Parsable_Byte_Stream/pds:description, pds:Primary_Result_Summary/pds:description, pds:Property_Map/pds:description, pds:Property_Maps/pds:description, pds:Quaternion/pds:description, pds:Quaternion_Component/pds:description, pds:Resource/pds:description, pds:Service_Description/pds:description, pds:Software/pds:description,</p>		

	<p>pds:Submission_Information_Package/pds:description, pds:Table_Base/pds:description, pds:Target/pds:description, pds:Target_Identification/pds:description, pds:Telescope/pds:description, pds:Transfer_Manifest/pds:description, pds:Update/pds:description, pds:Update_Entry/pds:description, pds:Vector/pds:description, pds:Vector_Component/pds:description, pds:Volume_PDS3/pds:description, pds:Volume_Set_PDS3/pds:description, pds:Zip/pds:description</p>
Source	<pre><xs:simpleType name="description"> <xs:annotation> <xs:documentation>The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.</xs:documentation> </xs:annotation> <xs:restriction base="pds:UTF8_Text_Preserved"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:url

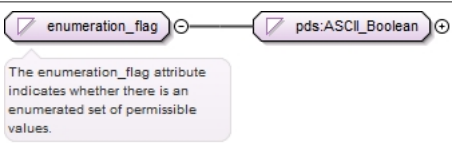
Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The url attribute provides a Uniform Resource Identifier (URI) that specifies where a resource is available and the mechanism for retrieving it.
Diagram	
Type	pds:ASCII_AnyURI
Type hierarchy	<ul style="list-style-type: none"> • xs:anyURI • pds:ASCII_AnyURI • pds:url
Facets	pattern <code>\p{IsBasicLatin}*</code>
Used by	Elements <code>pds:External_Reference_Extended/pds:url, pds:Resource/pds:url</code>
Source	<pre><xs:simpleType name="url"> <xs:annotation> <xs:documentation>The url attribute provides a Uniform Resource Identifier (URI) that specifies where a resource is available and the mechanism for retrieving it.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_AnyURI"> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:ASCII_AnyURI

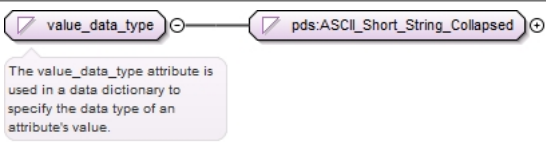
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of xs:anyURI
Facets	pattern <code>\p{IsBasicLatin}*</code>
Used by	Simple Type <code>pds:url</code>
Source	<pre><xs:simpleType name="ASCII_AnyURI"> <xs:restriction base="xs:anyURI"> <xs:pattern value="\p{IsBasicLatin}*" /> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:enumeration_flag

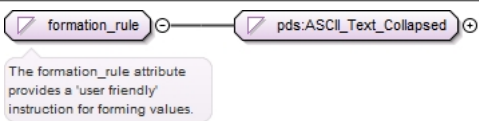
Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The enumeration_flag attribute indicates whether

	there is an enumerated set of permissible values.
Diagram	
Type	pds:ASCII_Boolean
Type hierarchy	<ul style="list-style-type: none"> • xs:boolean • pds:ASCII_Boolean • pds:enumeration_flag
Used by	Elements pds:DD_Value_Domain/pds:enumeration_flag, pds:DD_Value_Domain_Full/pds:enumeration_flag
Source	<pre><xs:simpleType name="enumeration_flag"> <xs:annotation> <xs:documentation>The enumeration_flag attribute indicates whether there is an enumerated set of permissible values.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Boolean"> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:value_data_type

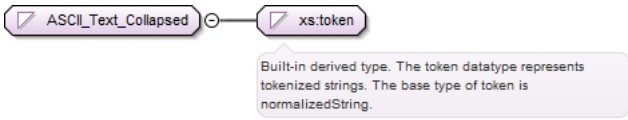
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The value_data_type attribute is used in a data dictionary to specify the data type of an attribute's value.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:value_data_type 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Elements pds:DD_Value_Domain/pds:value_data_type, pds:DD_Value_Domain_Full/pds:value_data_type						
Source	<pre><xs:simpleType name="value_data_type"> <xs:annotation> <xs:documentation>The value_data_type attribute is used in a data dictionary to specify the data type of an attribute's value.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:formation_rule

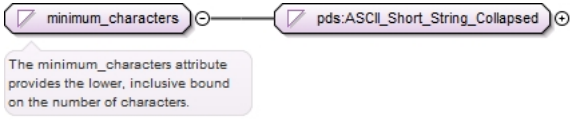
Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The formation_rule attribute provides a 'user friendly' instruction for forming values.
Diagram	

Type	restriction of pds:ASCII_Text_Collapsed				
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Text_Collapsed • pds:formation_rule 				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*
minLength	1				
pattern	\p{IsBasicLatin}*				
Used by	Elements pds:DD_Value_Domain/pds:formation_rule, pds:DD_Value_Domain_Full/pds:formation_rule				
Source	<pre><xs:simpleType name="formation_rule"> <xs:annotation> <xs:documentation>The formation_rule attribute provides a 'user friendly' instruction for forming values.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Text_Collapsed"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>				

Simple Type pds:ASCII_Text_Collapsed

Namespace	http://pds.nasa.gov/pds4/pds/v1				
Diagram					
Type	restriction of xs:token				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*
minLength	1				
pattern	\p{IsBasicLatin}*				
Used by	Simple Type pds:formation_rule				
Source	<pre><xs:simpleType name="ASCII_Text_Collapsed"> <xs:restriction base="xs:token"> <xs:minLength value="1"/> <xs:pattern value="\p{IsBasicLatin}*" /> </xs:restriction> </xs:simpleType></pre>				

Simple Type pds:minimum_characters

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The minimum_characters attribute provides the lower, inclusive bound on the number of characters.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:minimum_characters 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Elements pds:DD_Value_Domain/pds:minimum_characters, pds:DD_Value_Domain_Full/pds:minimum_characters						
Source	<pre><xs:simpleType name="minimum_characters"></pre>						

```

<xs:annotation>
  <xs:documentation>The minimum_characters attribute provides the lower, inclusive bound on the
  number of characters.</xs:documentation>
</xs:annotation>
<xs:restriction base="pds:ASCII_Short_String_Collapsed">
  <xs:minLength value="1" />
  <xs:maxLength value="255" />
</xs:restriction>
</xs:simpleType>

```

Simple Type pds:maximum_characters

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The maximum_characters attribute provides the upper, inclusive bound on the number of characters.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:maximum_characters 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Elements: pds:DD_Value_Domain/pds:maximum_characters, pds:DD_Value_Domain_Full/pds:maximum_characters						
Source	<pre> <xs:simpleType name="maximum_characters"> <xs:annotation> <xs:documentation>The maximum_characters attribute provides the upper, inclusive bound on the number of characters.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType> </pre>						

Simple Type pds:minimum_value

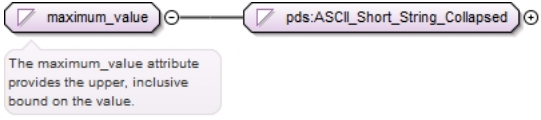
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The minimum_value attribute provides the lower inclusive bound on the value.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:minimum_value 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Elements: pds:DD_Value_Domain/pds:minimum_value, pds:DD_Value_Domain_Full/pds:minimum_value						
Source	<pre> <xs:simpleType name="minimum_value"> </pre>						

```

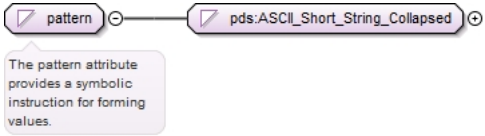
<xs:annotation>
  <xs:documentation>The minimum_value attribute provides the lower inclusive bound on the value.</xs:documentation>
</xs:annotation>
<xs:restriction base="pds:ASCII_Short_String_Collapsed">
  <xs:minLength value="1"/>
  <xs:maxLength value="255"/>
</xs:restriction>
</xs:simpleType>

```

Simple Type pds:maximum_value

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The maximum_value attribute provides the upper, inclusive bound on the value.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:maximum_value 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Elements pds:DD_Value_Domain/pds:maximum_value, pds:DD_Value_Domain_Full/pds:maximum_value						
Source	<pre> <xs:simpleType name="maximum_value"> <xs:annotation> <xs:documentation>The maximum_value attribute provides the upper, inclusive bound on the value.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType> </pre>						

Simple Type pds:pattern

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The pattern attribute provides a symbolic instruction for forming values.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:pattern 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Elements pds:DD_Value_Domain/pds:pattern, pds:DD_Value_Domain_Full/pds:pattern						
Source	<pre> <xs:simpleType name="pattern"> <xs:annotation> </pre>						

```

<xs:documentation>The pattern attribute provides a symbolic instruction for forming values.</
xs:documentation>
</xs:annotation>
<xs:restriction base="pds:ASCII_Short_String_Collapsed">
  <xs:minLength value="1"/>
  <xs:maxLength value="255"/>
</xs:restriction>
</xs:simpleType>

```

Simple Type pds:unit_of_measure_type

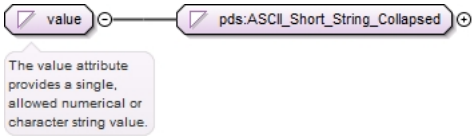
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The unit_of_measure_type attribute identifies the class from which the attribute being defined in this data dictionary draws its possible expressions for units.						
Diagram	<p>The unit_of_measure_type attribute identifies the class from which the attribute being defined in this data dictionary...</p>						
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:unit_of_measure_type 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	<table border="1"> <tr> <td>Elements</td> <td>pds:DD_Value_Domain/pds:unit_of_measure_type, pds:DD_Value_Domain_Full/pds:unit_of_measure_type</td> </tr> </table>	Elements	pds:DD_Value_Domain/pds:unit_of_measure_type, pds:DD_Value_Domain_Full/pds:unit_of_measure_type				
Elements	pds:DD_Value_Domain/pds:unit_of_measure_type, pds:DD_Value_Domain_Full/pds:unit_of_measure_type						
Source	<pre> <xs:simpleType name="unit_of_measure_type"> <xs:annotation> <xs:documentation>The unit_of_measure_type attribute identifies the class from which the attribute being defined in this data dictionary draws its possible expressions for units.</ xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType> </pre>						

Simple Type pds:specified_unit_id

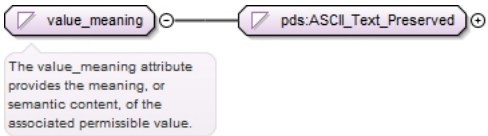
Namespace	http://pds.nasa.gov/pds4/pds/v1				
Annotations	The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.				
Diagram	<p>The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.</p>				
Type	restriction of pds:UTF8_Short_String_Collapsed				
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:UTF8_Short_String_Collapsed pds:specified_unit_id 				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255
minLength	1				
maxLength	255				
Used by	<table border="1"> <tr> <td>Elements</td> <td>pds:DD_Value_Domain/pds:specified_unit_id, pds:DD_Value_Domain_Full/pds:specified_unit_id</td> </tr> </table>	Elements	pds:DD_Value_Domain/pds:specified_unit_id, pds:DD_Value_Domain_Full/pds:specified_unit_id		
Elements	pds:DD_Value_Domain/pds:specified_unit_id, pds:DD_Value_Domain_Full/pds:specified_unit_id				

Source	<pre><xs:simpleType name="specified_unit_id"> <xs:annotation> <xs:documentation>The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.</xs:documentation> </xs:annotation> <xs:restriction base="pds:UTF8_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>
--------	--

Simple Type pds:value

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The value attribute provides a single, allowed numerical or character string value.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:value 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Elements pds:DD_Permissible_Value/pds:value, pds:DD_Permissible_Value_Full/pds:value, pds:Quaternion_Component/pds:value, pds:Vector_Component/pds:value						
Source	<pre><xs:simpleType name="value"> <xs:annotation> <xs:documentation>The value attribute provides a single, allowed numerical or character string value.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:value_meaning

Namespace	http://pds.nasa.gov/pds4/pds/v1				
Annotations	The value_meaning attribute provides the meaning, or semantic content, of the associated permissible value.				
Diagram					
Type	restriction of pds:ASCII_Text_Preserved				
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:value_meaning 				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*
minLength	1				
pattern	\p{IsBasicLatin}*				
Used by	Elements pds:DD_Permissible_Value/pds:value_meaning, pds:DD_Permissible_Value_Full/pds:value_meaning				

Source	<pre><xs:simpleType name="value_meaning"> <xs:annotation> <xs:documentation>The value_meaning attribute provides the meaning, or semantic content, of the associated permissible value.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Text_Preserved"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>
--------	---

Simple Type pds:abstract_flag

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The abstract flag attribute indicates whether or not the class can be instantiated. Abstract flag is only included if a value of 'true' is desired and indicates that the class is abstract and cannot be used in a label.
Diagram	
Type	pds:ASCII_Boolean
Type hierarchy	<ul style="list-style-type: none"> xs:boolean pds:ASCII_Boolean pds:abstract_flag
Used by	Elements pds:DD_Class/pds:abstract_flag, pds:DD_Class_Full/pds:abstract_flag
Source	<pre><xs:simpleType name="abstract_flag"> <xs:annotation> <xs:documentation>The abstract flag attribute indicates whether or not the class can be instantiated. Abstract flag is only included if a value of 'true' is desired and indicates that the class is abstract and cannot be used in a label.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Boolean"> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:element_flag

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The element flag attribute indicates whether or not the class is defined as a xs:element in XML Schema.
Diagram	
Type	pds:ASCII_Boolean
Type hierarchy	<ul style="list-style-type: none"> xs:boolean pds:ASCII_Boolean pds:element_flag
Used by	Elements pds:DD_Class/pds:element_flag, pds:DD_Class_Full/pds:element_flag
Source	<pre><xs:simpleType name="element_flag"> <xs:annotation> <xs:documentation>The element flag attribute indicates whether or not the class is defined as a xs:element in XML Schema.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Boolean"> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:minimum_occurrences

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The minimum occurrences attribute indicates the number of times something may occur. It is also called the minimum cardinality.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:minimum_occurrences 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	<table border="1"> <tr> <td>Elements</td> <td>pds:DD_Association/pds:minimum_occurrences, pds:DD_Association_External/pds:minimum_occurrences</td> </tr> </table>	Elements	pds:DD_Association/pds:minimum_occurrences, pds:DD_Association_External/pds:minimum_occurrences				
Elements	pds:DD_Association/pds:minimum_occurrences, pds:DD_Association_External/pds:minimum_occurrences						
Source	<pre><xs:simpleType name="minimum_occurrences"> <xs:annotation> <xs:documentation>The minimum occurrences attribute indicates the number of times something may occur. It is also called the minimum cardinality.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:maximum_occurrences

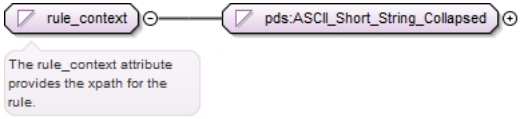
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The maximum occurrences attribute indicates the number of times something may occur. It is also called the maximum cardinality. The asterisk character is used as a value to indicate that no upper bound exists.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:maximum_occurrences 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	<table border="1"> <tr> <td>Elements</td> <td>pds:DD_Association/pds:maximum_occurrences, pds:DD_Association_External/pds:maximum_occurrences</td> </tr> </table>	Elements	pds:DD_Association/pds:maximum_occurrences, pds:DD_Association_External/pds:maximum_occurrences				
Elements	pds:DD_Association/pds:maximum_occurrences, pds:DD_Association_External/pds:maximum_occurrences						
Source	<pre><xs:simpleType name="maximum_occurrences"> <xs:annotation> <xs:documentation>The maximum occurrences attribute indicates the number of times something may occur. It is also called the maximum cardinality. The asterisk character is used as a value to indicate that no upper bound exists.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"></pre>						

```
<xs:minLength value="1"/>
<xs:maxLength value="255"/>
</xs:restriction>
</xs:simpleType>
```

Simple Type pds:constant_value


Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The constant value attribute provides the value to be used if an attribute is static.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:constant_value 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:DD_Association/pds:constant_value						
Source	<pre><xs:simpleType name="constant_value"> <xs:annotation> <xs:documentation>The constant value attribute provides the value to be used if an attribute is static.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:rule_context


Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The rule_context attribute provides the xpath for the rule.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:rule_context 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:DD_Rule/pds:rule_context						
Source	<pre><xs:simpleType name="rule_context"> <xs:annotation> <xs:documentation>The rule_context attribute provides the xpath for the rule.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

</xs:simpleType>

Simple Type pds:rule_assign

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The rule_assign attribute provides an assignment statement for a schematron rule.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:rule_assign 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:DD_Rule/pds:rule_assign						
Source	<pre><xs:simpleType name="rule_assign"> <xs:annotation> <xs:documentation>The rule_assign attribute provides an assignment statement for a schematron rule.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:rule_type

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The rule_type attribute indicates the type of statement to be executed.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:rule_type 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:DD_Rule_Statement/pds:rule_type						
Source	<pre><xs:simpleType name="rule_type"> <xs:annotation> <xs:documentation>The rule_type attribute indicates the type of statement to be executed.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:rule_test

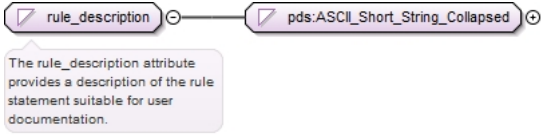
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The rule_test attribute provides the body of the statement to be executed by the schematron processor.						
Diagram	<p>The rule_test attribute provides the body of the statement to be executed by the schematron processor.</p>						
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:rule_test 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:DD_Rule_Statement/pds:rule_test						
Source	<pre><xs:simpleType name="rule_test"> <xs:annotation> <xs:documentation>The rule_test attribute provides the body of the statement to be executed by the schematron processor.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:rule_message


Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The rule_message attribute provides a message to be displayed by the schematron processor when the test condition is met.						
Diagram	<p>The rule_message attribute provides a message to be displayed by the schematron processor when the test condition is met.</p>						
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:rule_message 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:DD_Rule_Statement/pds:rule_message						
Source	<pre><xs:simpleType name="rule_message"> <xs:annotation> <xs:documentation>The rule_message attribute provides a message to be displayed by the schematron processor when the test condition is met.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

</xs:simpleType>

Simple Type pds:rule_description


Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The rule_description attribute provides a description of the rule statement suitable for user documentation.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:rule_description 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:DD_Rule_Statement/pds:rule_description						
Source	<pre><xs:simpleType name="rule_description"> <xs:annotation> <xs:documentation>The rule_description attribute provides a description of the rule statement suitable for user documentation.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:rule_value

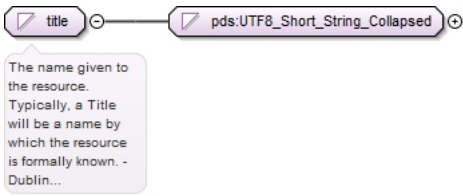
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The rule_value attribute provides values to be used to complete certain schematon statements.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:rule_value 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:DD_Rule_Statement/pds:rule_value						
Source	<pre><xs:simpleType name="rule_value"> <xs:annotation> <xs:documentation>The rule_value attribute provides values to be used to complete certain schematon statements.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

</xs:simpleType>

Simple Type pds:identifier

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The identifier attribute provides the formal name used to refer to an object.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:identifier 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Elements pds:Property_Map/pds:identifier, pds:Property_Maps/pds:identifier						
Source	<pre><xs:simpleType name="identifier"> <xs:annotation> <xs:documentation>The identifier attribute provides the formal name used to refer to an object.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:title

Namespace	http://pds.nasa.gov/pds4/pds/v1				
Annotations	The name given to the resource. Typically, a Title will be a name by which the resource is formally known. - Dublin Core - The title is used to refer to an object in a version independent manner.				
Diagram					
Type	restriction of pds:UTF8_Short_String_Collapsed				
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:UTF8_Short_String_Collapsed pds:title 				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255
minLength	1				
maxLength	255				
Used by	Elements pds:Identification_Area/pds:title, pds:Property_Map/pds:title, pds:Property_Maps/pds:title				
Source	<pre><xs:simpleType name="title"> <xs:annotation> <xs:documentation>The name given to the resource. Typically, a Title will be a name by which the resource is formally known. - Dublin Core - The title is used to refer to an object in a version independent manner.</xs:documentation> </xs:annotation> <xs:restriction base="pds:UTF8_Short_String_Collapsed"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>				


```
<xs:maxLength value="255"/>
</xs:restriction>
</xs:simpleType>
```

Simple Type pds:external_property_map_id

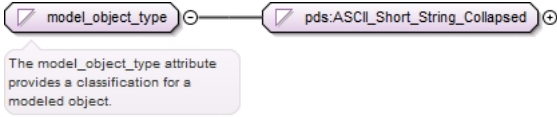
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The external_property_map_id attribute provides the identifier of a property_map instance external to this context.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:external_property_map_id 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Property_Maps/pds:external_property_map_id						
Source	<pre><xs:simpleType name="external_property_map_id"> <xs:annotation> <xs:documentation>The external_property_map_id attribute provides the identifier of a property_map instance external to this context.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:model_object_id


Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The model_object_id attribute provides the unique identifier of a class, attribute, or value that is defined in the information model.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:model_object_id 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Property_Map/pds:model_object_id						
Source	<pre><xs:simpleType name="model_object_id"> <xs:annotation> <xs:documentation>The model_object_id attribute provides the unique identifier of a class, attribute, or value that is defined in the information model.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>						

```
<xs:maxLength value="255"/>
</xs:restriction>
</xs:simpleType>
```


Simple Type pds:model_object_type

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The model_object_type attribute provides a classification for a modeled object.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:model_object_type 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Property_Map/pds:model_object_type						
Source	<pre><xs:simpleType name="model_object_type"> <xs:annotation> <xs:documentation>The model_object_type attribute provides a classification for a modeled object.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

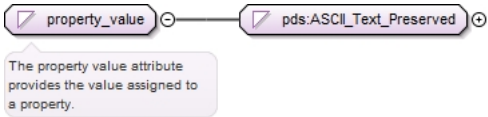
Simple Type pds:external_namespace_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The external_namespace_id attribute provides a namespace_id external to this context.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:external_namespace_id 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Property_Map/pds:external_namespace_id						
Source	<pre><xs:simpleType name="external_namespace_id"> <xs:annotation> <xs:documentation>The external_namespace_id attribute provides a namespace_id external to this context.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:property_name

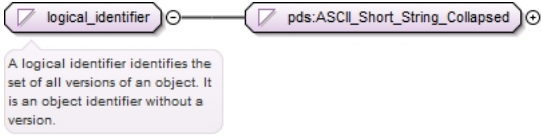
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The property name attribute provides a word or a combination of words by which a property is known.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:property_name 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Property_Map_Entry/pds:property_name						
Source	<pre><xs:simpleType name="property_name"> <xs:annotation> <xs:documentation>The property name attribute provides a word or a combination of words by which a property is known.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:property_value

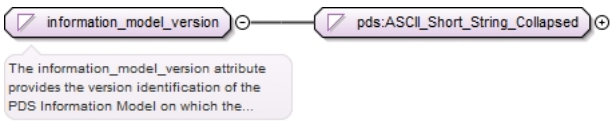
Namespace	http://pds.nasa.gov/pds4/pds/v1				
Annotations	The property value attribute provides the value assigned to a property.				
Diagram					
Type	restriction of pds:ASCII_Text_Preserved				
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:property_value 				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*
minLength	1				
pattern	\p{IsBasicLatin}*				
Used by	Element pds:Property_Map_Entry/pds:property_value				
Source	<pre><xs:simpleType name="property_value"> <xs:annotation> <xs:documentation>The property value attribute provides the value assigned to a property.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Text_Preserved"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>				

Simple Type pds:logical_identifier

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Annotations	A logical identifier identifies the set of all versions of an object. It is an object identifier without a version.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:logical_identifier 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Identification_Area/pds:logical_identifier						
Source	<pre><xs:simpleType name="logical_identifier"> <xs:annotation> <xs:documentation>A logical identifier identifies the set of all versions of an object. It is an object identifier without a version.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:information_model_version

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The information_model_version attribute provides the version identification of the PDS Information Model on which the label and schema are based.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:information_model_version 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Identification_Area/pds:information_model_version						
Source	<pre><xs:simpleType name="information_model_version"> <xs:annotation> <xs:documentation>The information_model_version attribute provides the version identification of the PDS Information Model on which the label and schema are based.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:product_class

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Annotations	The product_class attribute provides the name of the product class.						
Diagram	<p>The product_class attribute provides the name of the product class.</p>						
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:product_class 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Identification_Area/pds:product_class						
Source	<pre><xs:simpleType name="product_class"> <xs:annotation> <xs:documentation>The product_class attribute provides the name of the product class.</ </xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:alternate_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The alternate_id attribute provides an additional identifier supplied by the data provider.						
Diagram	<p>The alternate_id attribute provides an additional identifier supplied by the data provider.</p>						
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:alternate_id 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Alias/pds:alternate_id						
Source	<pre><xs:simpleType name="alternate_id"> <xs:annotation> <xs:documentation>The alternate_id attribute provides an additional identifier supplied by the </xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:alternate_title

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The alternate_title attribute provides an

	alternate title for the product.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:alternate_title 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Alias/pds:alternate_title						
Source	<pre><xs:simpleType name="alternate_title"> <xs:annotation> <xs:documentation>The alternate _title attribute provides an alternate title for the product.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:author_list

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Annotations	The author_list attribute provides a list of people to be cited as the authors of the associated product. Lists are constructed with last names first and first and middle names and/or initials following. Initials are terminated by periods and delimited by single spaces. Suffixes (if applicable) follow everything else, after a final comma. Hyphenated names may be reduced to initials as "J.-P." Each person's full name is separated from the next by a semi-colon. There is no "and" before the last name. If there is no author list, editor_list must be present and non-null.		
Diagram			
Type	restriction of pds:UTF8_Text_Preserved		
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:author_list 		
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1
minLength	1		
Used by	Elements pds:Citation_Information/pds:author_list, pds:Document/pds:author_list, pds:Software/pds:author_list		
Source	<pre><xs:simpleType name="author_list"> <xs:annotation> <xs:documentation>The author_list attribute provides a list of people to be cited as the authors of the associated product. Lists are constructed with last names first and first and middle names and/or initials following. Initials are terminated by periods and delimited by single spaces. Suffixes (if applicable) follow everything else, after a final comma. Hyphenated names may be reduced to initials as "J.-P." Each person's full name is separated from the next by a semi-colon. There is no "and" before the last name. If there is no author list, editor_list must be present and non-null.</xs:documentation> </xs:annotation> <xs:restriction base="pds:UTF8_Text_Preserved"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>		

Simple Type pds:editor_list

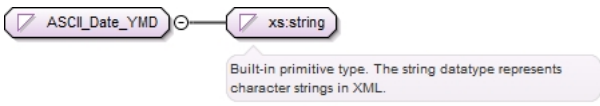
Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The editor_list attribute provides a list of people to be cited as the editors of the associated product. Lists are constructed with last names first and first and middle names and/or initials following. Initials are terminated by periods and delimited by single spaces. Suffixes (if applicable) follow everything else, after a final comma. Hyphenated names may be reduced to initials as "J.-P." Each person's full name is separated from the next by a semi-colon. There is no "and" before the last name.
Diagram	<pre> graph LR editor_list -- restriction --> pds_UTF8_Text_Preserved[pds:UTF8_Text_Preserved] </pre> <p>The editor_list attribute provides a list of people to be cited as the editors of the associated product. Lists are...</p>
Type	restriction of pds:UTF8_Text_Preserved
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:UTF8_Text_Preserved pds:editor_list
Facets	minLength 1
Used by	Elements pds:Citation_Information/pds:editor_list, pds:Document/pds:editor_list
Source	<pre> <xs:simpleType name="editor_list"> <xs:annotation> <xs:documentation>The editor_list attribute provides a list of people to be cited as the editors of the associated product. Lists are constructed with last names first and first and middle names and/or initials following. Initials are terminated by periods and delimited by single spaces. Suffixes (if applicable) follow everything else, after a final comma. Hyphenated names may be reduced to initials as "J.-P." Each person's full name is separated from the next by a semi-colon. There is no "and" before the last name.</xs:documentation> </xs:annotation> <xs:restriction base="pds:UTF8_Text_Preserved"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType> </pre>

Simple Type pds:publication_year

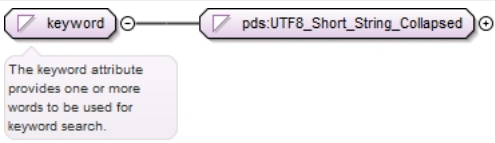
Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The publication_year attribute provides the year in which the product should be considered as published. Generally, this will be the year the data were declared "Certified" or "Archived".
Diagram	<pre> graph LR publication_year -- restriction --> pds_ASCII_Date_YMD[pds:ASCII_Date_YMD] </pre> <p>The publication_year attribute provides the year in which the product should be considered as published. Generally,...</p>
Type	pds:ASCII_Date_YMD
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Date_YMD pds:publication_year
Facets	<p>pattern</p> <pre> ((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z?)) </pre>
Used by	Element pds:Citation_Information/pds:publication_year
Source	<pre> <xs:simpleType name="publication_year"> <xs:annotation> </pre>

<pre> <xs:documentation>The publication_year attribute provides the year in which the product should be considered as published. Generally, this will be the year the data were declared "Certified" or "Archived".</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Date_YMD"> <!-- format="YYYY-MM-DD" --> </xs:restriction> </xs:simpleType> </pre>

Simple Type pds:ASCII_Date_YMD

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	restriction of xs:string	
Facets	pattern	<pre> ((-[0-9]{4}(Z?)) ([0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-[0-9] {4})-((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z?)) </pre>
Used by	Simple Types	pds:modification_date, pds:publication_year, pds:registration_date, pds:start_date
	Complex Types	pds:publication_date, pds:stop_date
Source	<pre> <xs:simpleType name="ASCII_Date_YMD"> <xs:restriction base="xs:string"> <xs:pattern value="(-)?[0-9]{4}(Z?)" /> <xs:pattern value="(-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)" /> <xs:pattern value="(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z?)" /> </xs:restriction> </xs:simpleType> </pre>	

Simple Type pds:keyword

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Annotations	The keyword attribute provides one or more words to be used for keyword search.	
Diagram		
Type	restriction of pds:UTF8_Short_String_Collapsed	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:UTF8_Short_String_Collapsed • pds:keyword 	
Facets	minLength	1
	maxLength	255
Used by	Element	pds:Citation_Information/pds:keyword
Source	<pre> <xs:simpleType name="keyword"> <xs:annotation> <xs:documentation>The keyword attribute provides one or more words to be used for keyword search.</xs:documentation> </xs:annotation> <xs:restriction base="pds:UTF8_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType> </pre>	

Simple Type pds:modification_date

Namespace	http://pds.nasa.gov/pds4/pds/v1
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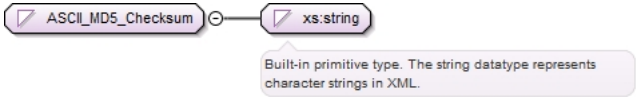
Annotations	The modification_date attribute provides date the modifications were completed
Diagram	
Type	pds:ASCII_Date_YMD
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Date_YMD pds:modification_date
Facets	<p>pattern</p> <pre>((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-)?[0-9] {4}-((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z?))</pre>
Used by	Element pds:Modification_Detail/pds:modification_date
Source	<pre><xs:simpleType name="modification_date"> <xs:annotation> <xs:documentation>The modification_date attribute provides date the modifications were completed</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Date_YMD"> <!-- format="YYYY-MM-DD" --> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:checksum_manifest_checksum


Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The checksum manifest checksum provides the checksum for the checksum manifest file.						
Diagram							
Type	restriction of pds:ASCII_MD5_Checksum						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_MD5_Checksum pds:checksum_manifest_checksum 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>32</td> </tr> <tr> <td>maxLength</td> <td>32</td> </tr> <tr> <td>pattern</td> <td> <pre>([0-9a-fA-F]{32}) & ([0-9a-fA-F]{32})</pre> </td> </tr> </table>	minLength	32	maxLength	32	pattern	<pre>([0-9a-fA-F]{32}) & ([0-9a-fA-F]{32})</pre>
minLength	32						
maxLength	32						
pattern	<pre>([0-9a-fA-F]{32}) & ([0-9a-fA-F]{32})</pre>						
Used by	Element pds:Information_Package_Component/pds:checksum_manifest_checksum						
Source	<pre><xs:simpleType name="checksum_manifest_checksum"> <xs:annotation> <xs:documentation>The checksum manifest checksum provides the checksum for the checksum manifest file.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_MD5_Checksum"> <!-- format="0123456789abcdef" --> <xs:pattern value="[0-9a-fA-F]{32}"/> <xs:minLength value="32"/> <xs:maxLength value="32"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:ASCII_MD5_Checksum

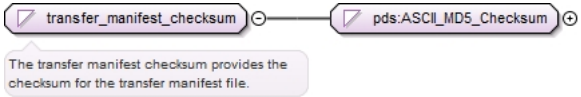
Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	restriction of xs:string						
Facets	<table border="1"> <tr> <td>minLength</td> <td>32</td> </tr> <tr> <td>maxLength</td> <td>32</td> </tr> <tr> <td>pattern</td> <td>[0-9a-fA-F]{32}</td> </tr> </table>	minLength	32	maxLength	32	pattern	[0-9a-fA-F]{32}
minLength	32						
maxLength	32						
pattern	[0-9a-fA-F]{32}						
Used by	Simple Types pds:checksum_manifest_checksum, pds:md5_checksum, pds:transfer_manifest_checksum						
Source	<pre><xs:simpleType name="ASCII_MD5_Checksum"> <xs:restriction base="xs:string"> <xs:minLength value="32"/> <xs:maxLength value="32"/> <xs:pattern value="[0-9a-fA-F]{32}"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:checksum_type

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The checksum type attribute provides the name of the checksum algorithm used to calculate the checksum value.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:checksum_type 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Elements pds:Information_Package_Component/pds:checksum_type, pds:Information_Package_Component_Deep_Archive/pds:checksum_type						
Source	<pre><xs:simpleType name="checksum_type"> <xs:annotation> <xs:documentation>The checksum type attribute provides the name of the checksum algorithm used to calculate the checksum value.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:transfer_manifest_checksum

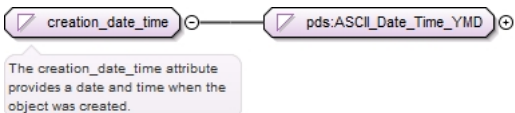
Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The transfer manifest checksum provides the checksum for the transfer manifest file.
Diagram	
Type	restriction of pds:ASCII_MD5_Checksum
Type hierarchy	<ul style="list-style-type: none"> • xs:string

	<ul style="list-style-type: none"> • pds:ASCII_MD5_Checksum • pds:transfer_manifest_checksum 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>32</td> </tr> <tr> <td>maxLength</td> <td>32</td> </tr> <tr> <td>pattern</td> <td>(([0-9a-fA-F]{32}) & ([0-9a-fA-F]{32}))</td> </tr> </table>	minLength	32	maxLength	32	pattern	(([0-9a-fA-F]{32}) & ([0-9a-fA-F]{32}))
minLength	32						
maxLength	32						
pattern	(([0-9a-fA-F]{32}) & ([0-9a-fA-F]{32}))						
Used by	Element pds:Information_Package_Component/pds:transfer_manifest_checksum						
Source	<pre><xs:simpleType name="transfer_manifest_checksum"> <xs:annotation> <xs:documentation>The transfer manifest checksum provides the checksum for the transfer manifest file.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_MD5_Checksum"> <!-- format="0123456789abcdef" --> <xs:pattern value="[0-9a-fA-F]{32}"/> <xs:minLength value="32"/> <xs:maxLength value="32"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:file_name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The file_name attribute provides the name of a file.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:file_name 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:File/pds:file_name						
Source	<pre><xs:simpleType name="file_name"> <xs:annotation> <xs:documentation>The file_name attribute provides the name of a file.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:creation_date_time

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The creation_date_time attribute provides a date and time when the object was created.
Diagram	
Type	pds:ASCII_Date_Time_YMD
Type hierarchy	<ul style="list-style-type: none"> • xs:string

	<ul style="list-style-type: none"> • pds:ASCII_Date_Time_YMD • pds:creation_date_time
Facets	<p>pattern</p> <pre>((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-)?[0-9] {4}-((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1] [0-9]) (2[0-3]))(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T) ([0-1][0-9]) (2[0-3])): [0-5][0-9](Z?)) ((-)? [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T) ([0-1][0-9]) (2[0-3])): [0-5][0-9]:(([0-5][0-9]) 60)(\.[0-9]{1,4})? (Z?)) ((-)?[0-9]{4}- ((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)24((:00 :00:00)?(Z?)) ((-)? [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1])) (T)24:00:00(\.[0]{1,4})) (Z?)) ((-)?[0-9]{4}- ((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z?))</pre>
Used by	Element pds:File/pds:creation_date_time
Source	<pre><xs:simpleType name="creation_date_time"> <xs:annotation> <xs:documentation>The creation_date_time attribute provides a date and time when the object was created.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Date_Time_YMD"> <!-- format="YYYY-MM-DDTHH:MM:SS.SSS(Z)" --> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:file_size_WO_Units

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	<pre>graph LR A[file_size_WO_Units] --- B[pds:ASCII_NonNegative_Integer]</pre>
Type	restriction of pds:ASCII_NonNegative_Integer
Type hierarchy	<ul style="list-style-type: none"> • xs:nonNegativeInteger • pds:ASCII_NonNegative_Integer • pds:file_size_WO_Units
Facets	minInclusive 0
Used by	Complex Type pds:file_size
Source	<pre><xs:simpleType name="file_size_WO_Units"> <xs:restriction base="pds:ASCII_NonNegative_Integer"> <xs:minInclusive value="0"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:ASCII_NonNegative_Integer

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram	
Type	xs:nonNegativeInteger
Used by	Simple Types pds:file_size_WO_Units, pds:volume_size
Source	<pre><xs:simpleType name="ASCII_NonNegative_Integer"> <xs:restriction base="xs:nonNegativeInteger"> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:Units_of_Storage

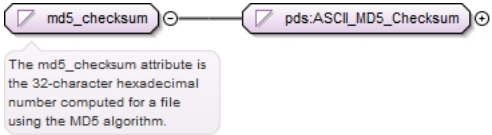
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of xs:string
Facets	enumeration byte
Used by	Attributes pds:field_length/@unit, pds:field_location/@unit, pds:file_size/@unit, pds:group_length/@unit, pds:group_location/@unit, pds:maximum_field_length/@unit, pds:maximum_record_length/@unit, pds:object_length/@unit, pds:offset/@unit, pds:record_length/@unit
Source	<pre><xs:simpleType name="Units_of_Storage"> <xs:restriction base="xs:string"> <xs:enumeration value="byte"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:records


Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The records attribute provides a count of records.
Diagram	
Type	restriction of pds:ASCII_Integer
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:records
Facets	minInclusive 1
Used by	Elements pds:File/pds:records, pds:Manifest_SIP_Deep_Archive/pds:records, pds:Table_Base/pds:records, pds:Table_Delimited/pds:records, pds:Transfer_Manifest/pds:records
Source	<pre><xs:simpleType name="records"> <xs:annotation> <xs:documentation>The records attribute provides a count of records.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Integer"> <xs:minInclusive value="1"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:md5_checksum

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The md5_checksum attribute is the 32-character hexadecimal number computed for a file using the MD5 algorithm.

Diagram							
Type	restriction of pds:ASCII_MD5_Checksum						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_MD5_Checksum pds:md5_checksum 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>32</td> </tr> <tr> <td>maxLength</td> <td>32</td> </tr> <tr> <td>pattern</td> <td>(([0-9a-fA-F]{32})) & (([a-f0-9]{32}))</td> </tr> </table>	minLength	32	maxLength	32	pattern	(([0-9a-fA-F]{32})) & (([a-f0-9]{32}))
minLength	32						
maxLength	32						
pattern	(([0-9a-fA-F]{32})) & (([a-f0-9]{32}))						
Used by	Elements pds:File/pds:md5_checksum, pds:Object_Statistics/pds:md5_checksum						
Source	<pre><xs:simpleType name="md5_checksum"> <xs:annotation> <xs:documentation>The md5_checksum attribute is the 32-character hexadecimal number computed for a file using the MD5 algorithm.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_MD5_Checksum"> <!-- format="0123456789abcdef" --> <xs:pattern value="([a-f0-9]{32})"/> <xs:minLength value="32"/> <xs:maxLength value="32"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:offset_wo_Units

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of pds:ASCII_Integer
Type hierarchy	<ul style="list-style-type: none"> xs:integer pds:ASCII_Integer pds:offset_wo_Units
Facets	minInclusive 0
Used by	Complex Type pds:offset
Source	<pre><xs:simpleType name="offset_wo_Units"> <xs:restriction base="pds:ASCII_Integer"> <xs:minInclusive value="0"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:object_length_wo_Units

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of pds:ASCII_Integer
Type hierarchy	<ul style="list-style-type: none"> xs:integer pds:ASCII_Integer pds:object_length_wo_Units
Facets	minInclusive 1
Used by	Complex Type pds:object_length
Source	<pre><xs:simpleType name="object_length_wo_Units"> <xs:restriction base="pds:ASCII_Integer"></pre>

```
<xs:minInclusive value="1"/>
</xs:restriction>
</xs:simpleType>
```

Simple Type pds:parsing_standard_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The parsing_standard_id attribute provides the formal name of a standard used for the structure of a Parsable Byte Stream digital object.						
Diagram	<p>The parsing_standard_id attribute provides the formal name of a standard used for the structure of a Parsable Byte...</p>						
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:parsing_standard_id 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Elements: pds:Checksum_Manifest/pds:parsing_standard_id, pds:Header/pds:parsing_standard_id, pds:Manifest_SIP_Deep_Archive/pds:parsing_standard_id, pds:Parsable_Byte_Stream/pds:parsing_standard_id, pds:Service_Description/pds:parsing_standard_id						
Source	<pre><xs:simpleType name="parsing_standard_id"> <xs:annotation> <xs:documentation>The parsing_standard_id attribute provides the formal name of a standard used for the structure of a Parsable Byte Stream digital object.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:record_delimiter

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The record_delimiter attribute provides the character or characters used to indicate the end of a record.						
Diagram	<p>The record_delimiter attribute provides the character or characters used to indicate the end of a record.</p>						
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:record_delimiter 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Elements: pds:Checksum_Manifest/pds:record_delimiter, pds:Manifest_SIP_Deep_Archive/pds:record_delimiter, pds:Stream_Text/pds:record_delimiter, pds:Table_Binary/pds:record_delimiter, pds:Table_Character/pds:record_delimiter, pds:Table_Delimited/pds:record_delimiter, pds:Transfer_Manifest/pds:record_delimiter						
Source	<pre><xs:simpleType name="record_delimiter"></pre>						

```

<xs:annotation>
  <xs:documentation>The record_delimiter attribute provides the character or characters used to
  indicate the end of a record.</xs:documentation>
</xs:annotation>
<xs:restriction base="pds:ASCII_Short_String_Collapsed">
  <xs:minLength value="1"/>
  <xs:maxLength value="255"/>
</xs:restriction>
</xs:simpleType>

```

Simple Type pds:sampling_parameter_name


Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The sampling_parameter_name element provides the name of the parameter which determines the sampling interval of a particular instrument or dataset parameter. For example, magnetic field intensity is sampled in time increments, and a spectrum is sampled in wavelength or frequency.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:sampling_parameter_name 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Uniformly_Sampled/pds:sampling_parameter_name						
Source	<pre> <xs:simpleType name="sampling_parameter_name"> <xs:annotation> <xs:documentation>The sampling_parameter_name element provides the name of the parameter which determines the sampling interval of a particular instrument or dataset parameter. For example, magnetic field intensity is sampled in time increments, and a spectrum is sampled in wavelength or frequency.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType> </pre>						

Simple Type pds:sampling_parameter_interval

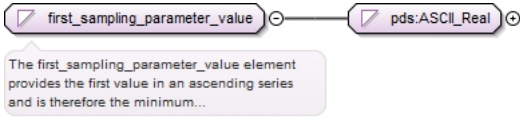
Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The sampling_parameter_interval element identifies the spacing of points at which data are sampled and at which a value for an instrument or dataset parameter is available. This sampling interval can be either the original (raw) sampling or the result of some resampling process. For example, in 48-second magnetometer data the sampling interval is 48. The sampling parameter (time, in the example) is identified by the sampling_parameter_name element.
Diagram	
Type	pds:ASCII_Real
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real pds:sampling_parameter_interval

Used by	Element pds:Uniformly_Sampled/pds:sampling_parameter_interval
Source	<pre><xs:simpleType name="sampling_parameter_interval"> <xs:annotation> <xs:documentation>The sampling_parameter_interval element identifies the spacing of points at which data are sampled and at which a value for an instrument or dataset parameter is available. This sampling interval can be either the original (raw) sampling or the result of some resampling process. For example, in 48-second magnetometer data the sampling interval is 48. The sampling parameter (time, in the example) is identified by the sampling_parameter_name element.</ xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Real"> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:sampling_parameter_unit

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The sampling_parameter_unit element specifies the unit of measure of associated data sampling parameters.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:sampling_parameter_unit 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Uniformly_Sampled/pds:sampling_parameter_unit						
Source	<pre><xs:simpleType name="sampling_parameter_unit"> <xs:annotation> <xs:documentation>The sampling_parameter_unit element specifies the unit of measure of associated data sampling parameters.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:first_sampling_parameter_value

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The first_sampling_parameter_value element provides the first value in an ascending series and is therefore the minimum value at which a given data item was sampled.
Diagram	
Type	pds:ASCII_Real
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:first_sampling_parameter_value
Used by	Element pds:Uniformly_Sampled/pds:first_sampling_parameter_value
Source	<pre><xs:simpleType name="first_sampling_parameter_value"></pre>

	<pre> <xs:annotation> <xs:documentation>The first_sampling_parameter_value element provides the first value in an ascending series and is therefore the minimum value at which a given data item was sampled.</ xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Real"> </xs:restriction> </xs:simpleType> </pre>
--	---

Simple Type pds:last_sampling_parameter_value

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The last_sampling_parameter_value element provides the last value in an ascending series and is therefore the maximum value at which a given data item was sampled.
Diagram	
Type	pds:ASCII_Real
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:last_sampling_parameter_value
Used by	Element pds:Uniformly_Sampled/pds:last_sampling_parameter_value
Source	<pre> <xs:simpleType name="last_sampling_parameter_value"> <xs:annotation> <xs:documentation>The last_sampling_parameter_value element provides the last value in an ascending series and is therefore the maximum value at which a given data item was sampled.</ xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Real"> </xs:restriction> </xs:simpleType> </pre>

Simple Type pds:sampling_parameter_scale

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The sampling_parameter_scale element specifies whether the sampling interval is linear or something other such as logarithmic.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:sampling_parameter_scale 						
Facets	<table border="1" style="width: 100%;"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Uniformly_Sampled/pds:sampling_parameter_scale						
Source	<pre> <xs:simpleType name="sampling_parameter_scale"> <xs:annotation> <xs:documentation>The sampling_parameter_scale element specifies whether the sampling interval is linear or something other such as logarithmic.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType> </pre>						

```
</xs:restriction>
</xs:simpleType>
```

Simple Type pds:fields

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The fields attribute provides a count of the total number of scalar fields directly associated with a group. Fields within (sub) groups of the group are not included in this count.
Diagram	
Type	restriction of pds:ASCII_Integer
Type hierarchy	<ul style="list-style-type: none"> xs:integer pds:ASCII_Integer pds:fields
Facets	minInclusive 0
Used by	Elements pds:Group/pds:fields, pds:Record/pds:fields
Source	<pre><xs:simpleType name="fields"> <xs:annotation> <xs:documentation>The fields attribute provides a count of the total number of scalar fields directly associated with a group. Fields within (sub) groups of the group are not included in this count.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Integer"> <xs:minInclusive value="0"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:groups

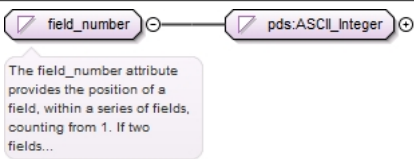
Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The groups attribute provides a count of the number of (sub)groups within the repeating structure of a group. (Subsub)groups within (sub)groups within the group are not included in this count.
Diagram	
Type	restriction of pds:ASCII_Integer
Type hierarchy	<ul style="list-style-type: none"> xs:integer pds:ASCII_Integer pds:groups
Facets	minInclusive 0
Used by	Elements pds:Group/pds:groups, pds:Record/pds:groups
Source	<pre><xs:simpleType name="groups"> <xs:annotation> <xs:documentation>The groups attribute provides a count of the number of (sub)groups within the repeating structure of a group. (Subsub)groups within (sub)groups within the group are not included in this count.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Integer"> <xs:minInclusive value="0"/> </xs:restriction> </xs:simpleType></pre>

```
</xs:simpleType>
```

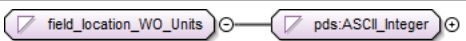
Simple Type pds:record_length_wo_Units

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of pds:ASCII_Integer
Type hierarchy	<ul style="list-style-type: none"> xs:integer pds:ASCII_Integer pds:record_length_wo_Units
Facets	minInclusive 1
Used by	Complex Type pds:record_length
Source	<pre><xs:simpleType name="record_length_wo_Units"> <xs:restriction base="pds:ASCII_Integer"> <xs:minInclusive value="1"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:field_number

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The field_number attribute provides the position of a field, within a series of fields, counting from 1. If two fields within a record are physically separated by one or more groups, they have consecutive field numbers; the fields within the intervening group(s) are numbered separately. Fields within a group separated by one or more (sub)groups, will also have consecutive field numbers.
Diagram	 <p>The field_number attribute provides the position of a field, within a series of fields, counting from 1. If two fields...</p>
Type	restriction of pds:ASCII_Integer
Type hierarchy	<ul style="list-style-type: none"> xs:integer pds:ASCII_Integer pds:field_number
Facets	minInclusive 1
Used by	Element pds:Field/pds:field_number
Source	<pre><xs:simpleType name="field_number"> <xs:annotation> <xs:documentation>The field_number attribute provides the position of a field, within a series of fields, counting from 1. If two fields within a record are physically separated by one or more groups, they have consecutive field numbers; the fields within the intervening group(s) are numbered separately. Fields within a group separated by one or more (sub)groups, will also have consecutive field numbers.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Integer"> <xs:minInclusive value="1"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:field_location_wo_Units

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of pds:ASCII_Integer

Type hierarchy	<ul style="list-style-type: none"> xs:integer pds:ASCII_Integer pds:field_location_WO_Units
Facets	minInclusive 1
Used by	Complex Type pds:field_location
Source	<pre><xs:simpleType name="field_location_WO_Units"> <xs:restriction base="pds:ASCII_Integer"> <xs:minInclusive value="1"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:data_type

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The data_type attribute provides the hardware representation used to store a value in Element_Array.
Diagram	
Type	restriction of pds:ASCII_Short_String_Collapsed
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:data_type
Facets	minLength 1 maxLength 255 pattern \p{IsBasicLatin}*
Used by	Elements pds:Element_Array/pds:data_type, pds:Field_Binary/pds:data_type, pds:Field_Bit/pds:data_type, pds:Field_Character/pds:data_type, pds:Field_Delimited/pds:data_type, pds:Quaternion_Component/pds:data_type, pds:Vector/pds:data_type
Source	<pre><xs:simpleType name="data_type"> <xs:annotation> <xs:documentation>The data_type attribute provides the hardware representation used to store a value in Element_Array.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:field_length_WO_Units

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of pds:ASCII_Integer
Type hierarchy	<ul style="list-style-type: none"> xs:integer pds:ASCII_Integer pds:field_length_WO_Units
Facets	minInclusive 1
Used by	Complex Type pds:field_length
Source	<pre><xs:simpleType name="field_length_WO_Units"></pre>

```
<xs:restriction base="pds:ASCII_Integer">
  <xs:minInclusive value="1"/>
</xs:restriction>
</xs:simpleType>
```

Simple Type pds:field_format

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The field_format attribute gives the magnitude and precision of the data value. The standard POSIX string formats are used.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> pds:field_format 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Elements pds:Field_Binary/pds:field_format, pds:Field_Bit/pds:field_format, pds:Field_Character/pds:field_format, pds:Field_Delimited/pds:field_format						
Source	<pre><xs:simpleType name="field_format"> <xs:annotation> <xs:documentation>The field_format attribute gives the magnitude and precision of the data value. The standard POSIX string formats are used.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:unit

Namespace	http://pds.nasa.gov/pds4/pds/v1				
Annotations	The unit attribute provides the unit of measurement.				
Diagram					
Type	restriction of pds:UTF8_Short_String_Collapsed				
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:UTF8_Short_String_Collapsed <ul style="list-style-type: none"> pds:unit 				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255
minLength	1				
maxLength	255				
Used by	Elements pds:Axis_Array/pds:unit, pds:Element_Array/pds:unit, pds:Field_Binary/pds:unit, pds:Field_Bit/pds:unit, pds:Field_Character/pds:unit, pds:Field_Delimited/pds:unit, pds:Vector_Component/pds:unit				
Source	<pre><xs:simpleType name="unit"> <xs:annotation> <xs:documentation>The unit attribute provides the unit of measurement.</xs:documentation> </xs:annotation> <xs:restriction base="pds:UTF8_Short_String_Collapsed"></pre>				

```
<xs:minLength value="1" />
<xs:maxLength value="255" />
</xs:restriction>
</xs:simpleType>
```

Simple Type pds:scaling_factor

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The scaling_factor attribute is the scaling factor to be applied to each stored value in order to recover an original value. The observed value (Ov) is calculated from the stored value (Sv) thus: $Ov = (Sv * scaling_factor) + value_offset$. The default value is 1.
Diagram	<p>The scaling_factor attribute is the scaling factor to be applied to each stored value in order to recover an original...</p>
Type	pds:ASCII_Real
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real pds:scaling_factor
Used by	Elements pds:Band_Bin/pds:scaling_factor, pds:Element_Array/pds:scaling_factor, pds:Field_Binary/pds:scaling_factor, pds:Field_Bit/pds:scaling_factor, pds:Field_Character/pds:scaling_factor, pds:Field_Delimited/pds:scaling_factor
Source	<pre><xs:simpleType name="scaling_factor"> <xs:annotation> <xs:documentation>The scaling_factor attribute is the scaling factor to be applied to each stored value in order to recover an original value. The observed value (Ov) is calculated from the stored value (Sv) thus: $Ov = (Sv * scaling_factor) + value_offset$. The default value is 1.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Real"> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:value_offset

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The value_offset attribute is the offset to be applied to each stored value in order to recover an original value. The observed value (Ov) is calculated from the stored value (Sv) thus: $Ov = (Sv * scaling_factor) + value_offset$. The default value is 0.
Diagram	<p>The value_offset attribute is the offset to be applied to each stored value in order to recover an original value. The...</p>
Type	pds:ASCII_Real
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real pds:value_offset
Used by	Elements pds:Band_Bin/pds:value_offset, pds:Element_Array/pds:value_offset, pds:Field_Binary/pds:value_offset, pds:Field_Bit/pds:value_offset, pds:Field_Character/pds:value_offset, pds:Field_Delimited/pds:value_offset
Source	<pre><xs:simpleType name="value_offset"> <xs:annotation> <xs:documentation>The value_offset attribute is the offset to be applied to each stored value in order to recover an original value. The observed value (Ov) is calculated from the stored value (Sv) thus: $Ov = (Sv * scaling_factor) + value_offset$. The default value is 0.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Real"> </xs:restriction> </xs:simpleType></pre>

```
</xs:restriction>
</xs:simpleType>
```

Simple Type pds:saturated_constant

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The saturated_constant attribute provides a value that indicates the original value was invalid because of sensor saturation.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:saturated_constant 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Special_Constants/pds:saturated_constant						
Source	<pre><xs:simpleType name="saturated_constant"> <xs:annotation> <xs:documentation>The saturated_constant attribute provides a value that indicates the original value was invalid because of sensor saturation.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:missing_constant

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The missing_constant attribute provides a value that indicates the original value was missing, such as due to a gap in coverage.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:missing_constant 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Special_Constants/pds:missing_constant						
Source	<pre><xs:simpleType name="missing_constant"> <xs:annotation> <xs:documentation>The missing_constant attribute provides a value that indicates the original value was missing, such as due to a gap in coverage.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>						


```
<xs:maxLength value="255"/>
</xs:restriction>
</xs:simpleType>
```

Simple Type pds:error_constant

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The error_constant attribute provides a value that indicates the original value was in error.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:error_constant 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Special_Constants/pds:error_constant						
Source	<pre><xs:simpleType name="error_constant"> <xs:annotation> <xs:documentation>The error_constant attribute provides a value that indicates the original value was in error.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:invalid_constant

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The invalid_constant attribute provides a value that indicates the original value was outside the valid range for the parameter.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:invalid_constant 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Special_Constants/pds:invalid_constant						
Source	<pre><xs:simpleType name="invalid_constant"> <xs:annotation> <xs:documentation>The invalid_constant attribute provides a value that indicates the original value was outside the valid range for the parameter.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>						

```
<xs:maxLength value="255"/>
</xs:restriction>
</xs:simpleType>
```

Simple Type pds:unknown_constant

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The unknown_constant attribute provides a value that indicates the original value was unknown.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:unknown_constant 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Special_Constants/pds:unknown_constant						
Source	<pre><xs:simpleType name="unknown_constant"> <xs:annotation> <xs:documentation>The unknown_constant attribute provides a value that indicates the original value was unknown.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:not_applicable_constant

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The not_applicable_constant attribute provides a value that indicates the parameter is not applicable.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:not_applicable_constant 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Special_Constants/pds:not_applicable_constant						
Source	<pre><xs:simpleType name="not_applicable_constant"> <xs:annotation> <xs:documentation>The not_applicable_constant attribute provides a value that indicates the parameter is not applicable.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

</xs:simpleType>

Simple Type pds:valid_maximum

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The valid_maximum attribute specifies the maximum valid value in the field or digital object with which the Special_Constants class is associated. Values above the valid_maximum have a special meaning. Values of this attribute should be represented in the same data_type as the elements in the object or field described. (Note that PDS3 had no qube-related valid_maximum values because all special constants were set below the valid_minimum.)						
Diagram	<p>The valid_maximum attribute specifies the maximum valid value in the field or digital object with which the...</p>						
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:valid_maximum 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Special_Constants/pds:valid_maximum						
Source	<pre><xs:simpleType name="valid_maximum"> <xs:annotation> <xs:documentation>The valid_maximum attribute specifies the maximum valid value in the field or digital object with which the Special_Constants class is associated. Values above the valid_maximum have a special meaning. Values of this attribute should be represented in the same data_type as the elements in the object or field described. (Note that PDS3 had no qube-related valid_maximum values because all special constants were set below the valid_minimum.)</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:high_instrument_saturation

Namespace	http://pds.nasa.gov/pds4/pds/v1				
Annotations	The high_instrument_saturation attribute specifies a special value whose presence indicates the measuring instrument was saturated at the high end. The value must be less than the value of the valid_minimum attribute or more than the value of the valid_maximum attribute. Values of this attribute should be represented in the same data_type as the elements in the object with which the Special_Constants class is associated.				
Diagram	<p>The high_instrument_saturation attribute specifies a special value whose presence indicates the measuring instrument...</p>				
Type	restriction of pds:ASCII_Short_String_Collapsed				
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:high_instrument_saturation 				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255
minLength	1				
maxLength	255				

	pattern	\p{IsBasicLatin}*
Used by	Element	pds:Special_Constants/pds:high_instrument_saturation
Source	<pre><xs:simpleType name="high_instrument_saturation"> <xs:annotation> <xs:documentation>The high_instrument_saturation attribute specifies a special value whose presence indicates the measuring instrument was saturated at the high end. The value must be less than the value of the valid_minimum attribute or more than the value of the valid_maximum attribute. Values of this attribute should be represented in the same data_type as the elements in the object with which the Special_Constants class is associated.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type pds:high_representation_saturation

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The high_representative_saturation attribute specifies a special value whose presence indicates the true value cannot be represented in the chosen data type and length -- in this case being above the allowable range -- which may happen during conversion from another data type. The value must be less than the value of the valid_minimum attribute or more than the value of the valid_maximum attribute. Values of this attribute should be represented in the same data_type as the elements in the object with which the Special_Constants class is associated.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:high_representation_saturation 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Special_Constants/pds:high_representation_saturation						
Source	<pre><xs:simpleType name="high_representation_saturation"> <xs:annotation> <xs:documentation>The high_representative_saturation attribute specifies a special value whose presence indicates the true value cannot be represented in the chosen data type and length -- in this case being above the allowable range -- which may happen during conversion from another data type. The value must be less than the value of the valid_minimum attribute or more than the value of the valid_maximum attribute. Values of this attribute should be represented in the same data_type as the elements in the object with which the Special_Constants class is associated.</ xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:valid_minimum

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The valid_minimum attribute specifies the minimum valid value in the field or digital object with which the Special_Constants class is associated. Values below the valid_minimum have a special meaning. Values of this attribute should be represented in the same data_type as the elements in the object or field described.

Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:valid_minimum 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Special_Constants/pds:valid_minimum						
Source	<pre><xs:simpleType name="valid_minimum"> <xs:annotation> <xs:documentation>The valid_minimum attribute specifies the minimum valid value in the field or digital object with which the Special_Constants class is associated. Values below the valid_minimum have a special meaning. Values of this attribute should be represented in the same data_type as the elements in the object or field described.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:low_instrument_saturation

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The low_instrument_saturation attribute specifies a special value whose presence indicates the measuring instrument was saturated at the low end. The value must be less than the value of the valid_minimum attribute. Values of this attribute should be represented in the same data_type as the elements in the object with which the Special_Constants class is associated.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:low_instrument_saturation 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Special_Constants/pds:low_instrument_saturation						
Source	<pre><xs:simpleType name="low_instrument_saturation"> <xs:annotation> <xs:documentation>The low_instrument_saturation attribute specifies a special value whose presence indicates the measuring instrument was saturated at the low end. The value must be less than the value of the valid_minimum attribute. Values of this attribute should be represented in the same data_type as the elements in the object with which the Special_Constants class is associated.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:low_representation_saturation

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The low_representation_saturation attribute specifies a special value whose presence indicates the true value cannot be represented in the chosen data type and length -- in this case being below the allowable range -- which may happen during conversion from another data type. The value must be less than the value of the valid_minimum attribute. Values of this attribute should be represented in the same data_type as the elements in the object with which the Special_Constants class is associated.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:low_representation_saturation 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Special_Constants/pds:low_representation_saturation						
Source	<pre><xs:simpleType name="low_representation_saturation"> <xs:annotation> <xs:documentation>The low_representation_saturation attribute specifies a special value whose presence indicates the true value cannot be represented in the chosen data type and length -- in this case being below the allowable range -- which may happen during conversion from another data type. The value must be less than the value of the valid_minimum attribute. Values of this attribute should be represented in the same data_type as the elements in the object with which the Special_Constants class is associated.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:maximum

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The maximum attribute provides the largest stored value which appears in the field over all records (empty fields and Special_Constants values are excluded).
Diagram	
Type	pds:ASCII_Real
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real pds:maximum
Used by	Elements pds:Field_Statistics/pds:maximum, pds:Object_Statistics/pds:maximum
Source	<pre><xs:simpleType name="maximum"> <xs:annotation> <xs:documentation>The maximum attribute provides the largest stored value which appears in the field over all records (empty fields and Special_Constants values are excluded).</xs:documentation> </xs:annotation></pre>

```
<xs:restriction base="pds:ASCII_Real">
</xs:restriction>
</xs:simpleType>
```

Simple Type pds:minimum

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The minimum attribute provides the algebraically smallest stored value which appears in the field over all records (empty fields and Special_Constants values are excluded).
Diagram	
Type	pds:ASCII_Real
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:minimum
Used by	Elements pds:Field_Statistics/pds:minimum, pds:Object_Statistics/pds:minimum
Source	<pre><xs:simpleType name="minimum"> <xs:annotation> <xs:documentation>The minimum attribute provides the algebraically smallest stored value which appears in the field over all records (empty fields and Special_Constants values are excluded).</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Real"> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:mean

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The mean attribute provides the sum of the stored field values divided by the number of values in all records (empty fields and Special_Constants values are excluded from both the sum and the count).
Diagram	
Type	pds:ASCII_Real
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:mean
Used by	Elements pds:Field_Statistics/pds:mean, pds:Object_Statistics/pds:mean
Source	<pre><xs:simpleType name="mean"> <xs:annotation> <xs:documentation>The mean attribute provides the sum of the stored field values divided by the number of values in all records (empty fields and Special_Constants values are excluded from both the sum and the count).</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Real"> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:standard_deviation

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Annotations	The standard_deviation attribute provides the standard deviation of values in the associated object; empty and Special_Constants values are excluded.
Diagram	
Type	restriction of pds:ASCII_Real
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:standard_deviation
Facets	minInclusive 0
Used by	Elements pds:Band_Bin/pds:standard_deviation, pds:Field_Statistics/pds:standard_deviation, pds:Object_Statistics/pds:standard_deviation
Source	<pre><xs:simpleType name="standard_deviation"> <xs:annotation> <xs:documentation>The standard_deviation attribute provides the standard deviation of values in the associated object; empty and Special_Constants values are excluded.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Real"> <xs:minInclusive value="0"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:median

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The median attribute provides the number separating the larger half of stored field values from the algebraically smaller half over all records (empty fields and Special_Constants values are excluded from the sort).
Diagram	
Type	pds:ASCII_Real
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:median
Used by	Elements pds:Field_Statistics/pds:median, pds:Object_Statistics/pds:median
Source	<pre><xs:simpleType name="median"> <xs:annotation> <xs:documentation>The median attribute provides the number separating the larger half of stored field values from the algebraically smaller half over all records (empty fields and Special_Constants values are excluded from the sort).</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Real"> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:group_number

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The group_number attribute provides the position of a group, within a series of groups, counting from 1. If two groups within a record are physically separated by one or more fields, they have consecutive group numbers; the intervening fields are numbered separately. Groups within a parent group,

	but separated by one or more fields, will also have consecutive group numbers.
Diagram	<p>The group_number attribute provides the position of a group, within a series of groups, counting from 1. If two groups...</p>
Type	pds:ASCII_Integer
Type hierarchy	<ul style="list-style-type: none"> xs:integer pds:ASCII_Integer pds:group_number
Used by	Element pds:Group/pds:group_number
Source	<pre><xs:simpleType name="group_number"> <xs:annotation> <xs:documentation>The group_number attribute provides the position of a group, within a series of groups, counting from 1. If two groups within a record are physically separated by one or more fields, they have consecutive group numbers; the intervening fields are numbered separately. Groups within a parent group, but separated by one or more fields, will also have consecutive group numbers.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Integer"> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:repetitions

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The repetitions attribute provides the number of times a set of repeating fields and, possibly, (sub)groups is replicated within a group.
Diagram	<p>The repetitions attribute provides the number of times a set of repeating fields and, possibly, (sub)groups is...</p>
Type	restriction of pds:ASCII_Integer
Type hierarchy	<ul style="list-style-type: none"> xs:integer pds:ASCII_Integer pds:repetitions
Facets	minInclusive 1
Used by	Element pds:Group/pds:repetitions
Source	<pre><xs:simpleType name="repetitions"> <xs:annotation> <xs:documentation>The repetitions attribute provides the number of times a set of repeating fields and, possibly, (sub)groups is replicated within a group.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Integer"> <xs:minInclusive value="1"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:group_location_WO_Units

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of pds:ASCII_Integer
Type hierarchy	<ul style="list-style-type: none"> xs:integer

	<ul style="list-style-type: none"> • pds:ASCII_Integer • pds:group_location_WO_Units
Facets	minInclusive 1
Used by	Complex Type pds:group_location
Source	<pre><xs:simpleType name="group_location_WO_Units"> <xs:restriction base="pds:ASCII_Integer"> <xs:minInclusive value="1"/> </xs:restriction> </xs:simpleType></pre>

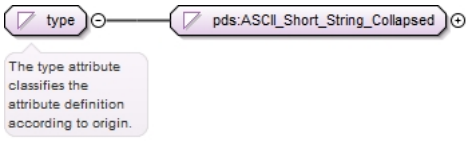
Simple Type pds:group_length_WO_Units

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of pds:ASCII_Integer
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:group_length_WO_Units
Facets	minInclusive 1
Used by	Complex Type pds:group_length
Source	<pre><xs:simpleType name="group_length_WO_Units"> <xs:restriction base="pds:ASCII_Integer"> <xs:minInclusive value="1"/> </xs:restriction> </xs:simpleType></pre>


Simple Type pds:class_name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The class_name attribute provides the common name by which the class is identified, as well as the class within which the attribute is used.						
Diagram	<p>The class_name attribute provides the common name by which the class is identified, as well as the class within which...</p>						
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:class_name 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:DD_Attribute_Full/pds:class_name						
Source	<pre><xs:simpleType name="class_name"> <xs:annotation> <xs:documentation>The class_name attribute provides the common name by which the class is identified, as well as the class within which the attribute is used.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:type

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Annotations	The type attribute classifies the attribute definition according to origin.	
Diagram		
Type	restriction of pds:ASCII_Short_String_Collapsed	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:type 	
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Used by	Elements	pds:DD_Attribute_Full/pds:type, pds:DD_Class_Full/pds:type, pds:Facility/pds:type, pds:Instrument/pds:type, pds:Instrument_Host/pds:type, pds:Investigation/pds:type, pds:Investigation_Area/pds:type, pds:Observing_System_Component/pds:type, pds:Primary_Result_Summary/pds:type, pds:Quaternion/pds:type, pds:Resource/pds:type, pds:Target/pds:type, pds:Target_Identification/pds:type, pds:Vector/pds:type
Source	<pre><xs:simpleType name="type"> <xs:annotation> <xs:documentation>The type attribute classifies the attribute definition according to origin.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type pds:registered_by


Namespace	http://pds.nasa.gov/pds4/pds/v1	
Annotations	The registered_by attribute provides the name of the person or organization that registered the object.	
Diagram		
Type	restriction of pds:ASCII_Short_String_Collapsed	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:registered_by 	
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Used by	Elements	pds:DD_Attribute_Full/pds:registered_by, pds:DD_Class_Full/pds:registered_by
Source	<pre><xs:simpleType name="registered_by"> <xs:annotation> <xs:documentation>The registered_by attribute provides the name of the person or organization that registered the object.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>	

```
<xs:maxLength value="255"/>
</xs:restriction>
</xs:simpleType>
```

Simple Type pds:registration_authority_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The registration_authority_id attribute provides the name of the organization that registered the object.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:registration_authority_id 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Elements pds:DD_Attribute_Full/pds:registration_authority_id, pds:DD_Class_Full/pds:registration_authority_id						
Source	<pre><xs:simpleType name="registration_authority_id"> <xs:annotation> <xs:documentation>The registration_authority_id attribute provides the name of the organization that registered the object.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:attribute_concept

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The attribute_concept attribute provides the type of information (classification) conveyed by the attribute -- e.g., stop_date_time has attribute_concept = date_time.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:attribute_concept 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:DD_Attribute_Full/pds:attribute_concept						
Source	<pre><xs:simpleType name="attribute_concept"> <xs:annotation> <xs:documentation>The attribute_concept attribute provides the type of information (classification) conveyed by the attribute -- e.g., stop_date_time has attribute_concept = date_time.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> </xs:restriction> </xs:simpleType></pre>						

```
<xs:minLength value="1"/>
<xs:maxLength value="255"/>
</xs:restriction>
</xs:simpleType>
```

Simple Type pds:conceptual_domain

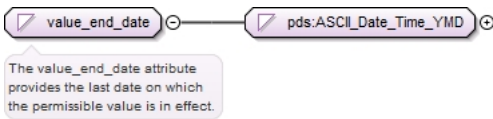
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The conceptual_domain attribute provides the domain to which the value has been assigned.						
Diagram	<p>The conceptual_domain attribute provides the domain to which the value has been assigned.</p>						
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:conceptual_domain 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:DD_Value_Domain_Full/pds:conceptual_domain						
Source	<pre><xs:simpleType name="conceptual_domain"> <xs:annotation> <xs:documentation>The conceptual_domain attribute provides the domain to which the value has been assigned.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:value_begin_date

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Annotations	The value_begin_date attribute provides the first date on which the permissible value is in effect.		
Diagram	<p>The value_begin_date attribute provides the first date on which the permissible value is in effect.</p>		
Type	pds:ASCII_Date_Time_YMD		
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Date_Time_YMD pds:value_begin_date 		
Facets	<table border="1"> <tr> <td>pattern</td> <td> <pre>((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-)?[0-9] {4}-((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1] [0-9]) (2[0-3]))(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T) (([0-1][0-9]) (2[0-3]))): [0-5][0-9](Z?) ((-)? [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) </pre> </td> </tr> </table>	pattern	<pre>((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-)?[0-9] {4}-((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1] [0-9]) (2[0-3]))(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T) (([0-1][0-9]) (2[0-3]))): [0-5][0-9](Z?) ((-)? [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) </pre>
pattern	<pre>((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-)?[0-9] {4}-((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1] [0-9]) (2[0-3]))(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T) (([0-1][0-9]) (2[0-3]))): [0-5][0-9](Z?) ((-)? [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) </pre>		

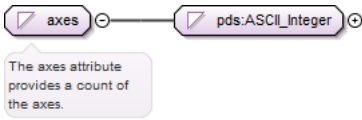
	<pre> (([1-2][0-9]) (3[0-1]))(T) (([0-1][0-9]) (2[0-3])): [0-5][0-9]:(([0-5][0-9]) 60)(\.([0-9]{1,4})?) (Z?)) ((-)?[0-9]{4}- ((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)24(:00 (:00:00))? (Z?)) ((-)? [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1])) (T)24:00:00(\.([0]{1,4}) (Z?)) ((-)?[0-9]{4}- ((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z?)) </pre>
Used by	Element pds:DD_Permissible_Value_Full/pds:value_begin_date
Source	<pre> <xs:simpleType name="value_begin_date"> <xs:annotation> <xs:documentation>The value_begin_date attribute provides the first date on which the permissible value is in effect.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Date_Time_YMD"> <!-- format="YYYY-MM-DDTHH:MM:SS.SSS(Z)" --> </xs:restriction> </xs:simpleType> </pre>

Simple Type pds:value_end_date


Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The value_end_date attribute provides the last date on which the permissible value is in effect.
Diagram	
Type	pds:ASCII_Date_Time_YMD
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Date_Time_YMD pds:value_end_date
Facets	<pre> pattern ((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-)?[0-9] {4}-((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1] [0-9]) (2[0-3]))(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T) (([0-1][0-9]) (2[0-3])): [0-5][0-9](Z?)) ((-)? [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T) (([0-1][0-9]) (2[0-3])): [0-5][0-9]:(([0-5][0-9]) 60)(\.([0-9]{1,4})?) (Z?)) ((-)?[0-9]{4}- ((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)24(:00 (:00:00))? (Z?)) ((-)? [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z?)) </pre>

	<pre> ([1-2][0-9]) (3[0-1]) (T)24:00:00(\.([0]{1,4})) (Z?)) ((-)?[0-9]{4}- ((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z?)) </pre>
Used by	Element pds:DD_Permissible_Value_Full/pds:value_end_date
Source	<pre> <xs:simpleType name="value_end_date"> <xs:annotation> <xs:documentation>The value_end_date attribute provides the last date on which the permissible value is in effect.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Date_Time_YMD"> <!-- format="YYYY-MM-DDTHH:MM:SS.SSS(Z)" --> </xs:restriction> </xs:simpleType> </pre>

Simple Type pds:axes


Namespace	http://pds.nasa.gov/pds4/pds/v1				
Annotations	The axes attribute provides a count of the axes.				
Diagram					
Type	restriction of pds:ASCII_Integer				
Type hierarchy	<ul style="list-style-type: none"> xs:integer pds:ASCII_Integer pds:axes 				
Facets	<table border="1"> <tr> <td>maxInclusive</td> <td>16</td> </tr> <tr> <td>minInclusive</td> <td>1</td> </tr> </table>	maxInclusive	16	minInclusive	1
maxInclusive	16				
minInclusive	1				
Used by	Elements pds:Array/pds:axes, pds:Array_1D/pds:axes, pds:Array_2D/pds:axes, pds:Array_3D/pds:axes, pds:Array_3D_Image/pds:axes, pds:Array_3D_Movie/pds:axes, pds:Array_3D_Spectrum/pds:axes				
Source	<pre> <xs:simpleType name="axes"> <xs:annotation> <xs:documentation>The axes attribute provides a count of the axes.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="16"/> </xs:restriction> </xs:simpleType> </pre>				

Simple Type pds:axis_index_order

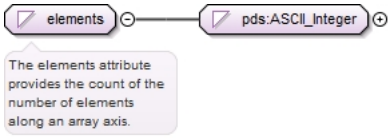
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Annotations	The axis_index_order attribute provides the axis index that varies fastest with respect to storage order.		
Diagram			
Type	restriction of pds:ASCII_Short_String_Collapsed		
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:axis_index_order 		
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1
minLength	1		

	maxLength	255
	pattern	\p{IsBasicLatin}*
Used by	Elements	pds:Array/pds:axis_index_order, pds:Array_1D/pds:axis_index_order, pds:Array_2D/pds:axis_index_order, pds:Array_3D/pds:axis_index_order, pds:Array_3D_Image/pds:axis_index_order, pds:Array_3D_Movie/pds:axis_index_order, pds:Array_3D_Spectrum/pds:axis_index_order
Source	<pre><xs:simpleType name="axis_index_order"> <xs:annotation> <xs:documentation>The axis_index_order attribute provides the axis index that varies fastest with respect to storage order.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type pds:axis_name

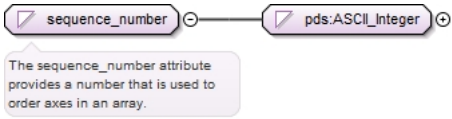
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Annotations	The axis_name attribute provides a word or combination of words by which the axis is known.	
Diagram		
Type	restriction of pds:ASCII_Short_String_Collapsed	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:axis_name 	
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Used by	Element	pds:Axis_Array/pds:axis_name
Source	<pre><xs:simpleType name="axis_name"> <xs:annotation> <xs:documentation>The axis_name attribute provides a word or combination of words by which the axis is known.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type pds:elements

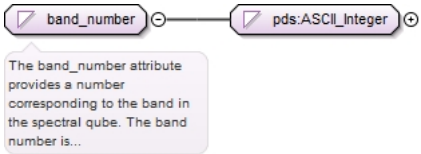
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Annotations	The elements attribute provides the count of the number of elements along an array axis.	
Diagram		
Type	restriction of pds:ASCII_Integer	
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:elements 	

Facets	minInclusive	1
Used by	Element	pds:Axis_Array/pds:elements
Source	<pre><xs:simpleType name="elements"> <xs:annotation> <xs:documentation>The elements attribute provides the count of the number of elements along an array axis.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Integer"> <xs:minInclusive value="1"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type pds:sequence_number

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Annotations	The sequence_number attribute provides a number that is used to order axes in an array.	
Diagram		
Type	restriction of pds:ASCII_Integer	
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:sequence_number 	
Facets	maxInclusive	16
	minInclusive	1
Used by	Elements	pds:Axis_Array/pds:sequence_number, pds:Quaternion_Component/pds:sequence_number, pds:Vector_Component/pds:sequence_number
Source	<pre><xs:simpleType name="sequence_number"> <xs:annotation> <xs:documentation>The sequence_number attribute provides a number that is used to order axes in an array.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="16"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type pds:band_number

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Annotations	The band_number attribute provides a number corresponding to the band in the spectral cube. The band number is equivalent to the instrument band number.	
Diagram		
Type	restriction of pds:ASCII_Integer	
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:band_number 	
Facets	maxInclusive	512
	minInclusive	1
Used by	Element	pds:Band_Bin/pds:band_number

Source	<pre><xs:simpleType name="band_number"> <xs:annotation> <xs:documentation>The band_number attribute provides a number corresponding to the band in the spectral qube. The band number is equivalent to the instrument band number.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="512"/> </xs:restriction> </xs:simpleType></pre>
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Simple Type pds:band_width_WO_Units

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of pds:ASCII_Real
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real pds:band_width_WO_Units
Facets	minInclusive 0
Used by	Complex Type pds:band_width
Source	<pre><xs:simpleType name="band_width_WO_Units"> <xs:restriction base="pds:ASCII_Real"> <xs:minInclusive value="0"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:center_wavelength_WO_Units

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of pds:ASCII_Real
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real pds:center_wavelength_WO_Units
Facets	minInclusive 0
Used by	Complex Type pds:center_wavelength
Source	<pre><xs:simpleType name="center_wavelength_WO_Units"> <xs:restriction base="pds:ASCII_Real"> <xs:minInclusive value="0"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:detector_number

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The detector_number attribute provides the spectrometer detector number corresponding to a band of a spectral qube. Detector numbers are usually assigned consecutively from 1, in order of increasing wavelength.
Diagram	<p>The detector_number attribute provides the spectrometer detector number corresponding to a band of a spectral qube...</p>
Type	restriction of pds:ASCII_Integer
Type hierarchy	<ul style="list-style-type: none"> xs:integer

	<ul style="list-style-type: none"> • pds:ASCII_Integer • pds:detector_number
Facets	minInclusive 1
Used by	Element pds:Band_Bin/pds:detector_number
Source	<pre><xs:simpleType name="detector_number"> <xs:annotation> <xs:documentation>The detector_number attribute provides the spectrometer detector number corresponding to a band of a spectral qube. Detector numbers are usually assigned consecutively from 1, in order of increasing wavelength.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Integer"> <xs:minInclusive value="1"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:filter_number

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The filter_number attribute of a spectral qube describes the physical location of a band (identified by the band_number) in a detector array. Filter 1 is on the leading edge of the array.
Diagram	<p>The filter_number attribute of a spectral qube describes the physical location of a band (identified by the...)</p>
Type	restriction of pds:ASCII_Integer
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:filter_number
Facets	minInclusive 1
Used by	Element pds:Band_Bin/pds:filter_number
Source	<pre><xs:simpleType name="filter_number"> <xs:annotation> <xs:documentation>The filter_number attribute of a spectral qube describes the physical location of a band (identified by the band_number) in a detector array. Filter 1 is on the leading edge of the array.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Integer"> <xs:minInclusive value="1"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:grating_position

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The grating_position attribute of a spectral qube describes the grating position which corresponds to the band. Grating positions are usually assigned consecutively from 0, and increasing position causes increasing wavelength for each detector.
Diagram	<p>The grating_position attribute of a spectral qube describes the grating position which corresponds to the band. Grating...</p>
Type	restriction of pds:ASCII_Integer
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer

	<ul style="list-style-type: none"> • pds:grating_position
Facets	minInclusive 0
Used by	Element pds:Band_Bin/pds:grating_position
Source	<pre><xs:simpleType name="grating_position"> <xs:annotation> <xs:documentation>The grating_position attribute of a spectral qube describes the grating position which corresponds to the band. Grating positions are usually assigned consecutively from 0, and increasing position causes increasing wavelength for each detector.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Integer"> <xs:minInclusive value="0"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:original_band

Namespace	http://pds.nasa.gov/pds4/pds/v1				
Annotations	The original_band attribute of a spectral qube provides the sequence of band numbers in the qube relative to some original qube. In the original qube, the values are just consecutive integers beginning with 1. In a qube which contains a subset of the bands in the original qube, the values are the original sequence numbers from that qube.				
Diagram					
Type	restriction of pds:ASCII_Integer				
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:original_band 				
Facets	<table border="1"> <tr> <td>maxInclusive</td> <td>512</td> </tr> <tr> <td>minInclusive</td> <td>1</td> </tr> </table>	maxInclusive	512	minInclusive	1
maxInclusive	512				
minInclusive	1				
Used by	Element pds:Band_Bin/pds:original_band				
Source	<pre><xs:simpleType name="original_band"> <xs:annotation> <xs:documentation>The original_band attribute of a spectral qube provides the sequence of band numbers in the qube relative to some original qube. In the original qube, the values are just consecutive integers beginning with 1. In a qube which contains a subset of the bands in the original qube, the values are the original sequence numbers from that qube.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="512"/> </xs:restriction> </xs:simpleType></pre>				

Simple Type pds:bit_mask

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The bit_mask attribute is a series of binary digits identifying the active bits in a value; it has exactly the same number of the bits as the array element to which it is applied.
Diagram	
Type	restriction of pds:ASCII_Numeric_Base2

Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Numeric_Base2 <ul style="list-style-type: none"> • pds:bit_mask 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>(([0-1]{1,255}) & ([0-1]{1,255}))</td> </tr> </table>	minLength	1	maxLength	255	pattern	(([0-1]{1,255}) & ([0-1]{1,255}))
minLength	1						
maxLength	255						
pattern	(([0-1]{1,255}) & ([0-1]{1,255}))						
Used by	Element pds:Object_Statistics/pds:bit_mask						
Source	<pre><xs:simpleType name="bit_mask"> <xs:annotation> <xs:documentation>The bit_mask attribute is a series of binary digits identifying the active bits in a value; it has exactly the same number of the bits as the array element to which it is applied.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Numeric_Base2"> <xs:pattern value="[0-1]{1,255}" /> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:ASCII_Numeric_Base2

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	restriction of xs:string						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>[0-1]{1,255}</td> </tr> </table>	minLength	1	maxLength	255	pattern	[0-1]{1,255}
minLength	1						
maxLength	255						
pattern	[0-1]{1,255}						
Used by	Simple Type pds:bit_mask						
Source	<pre><xs:simpleType name="ASCII_Numeric_Base2"> <xs:restriction base="xs:string"> <xs:minLength value="1" /> <xs:maxLength value="255" /> <xs:pattern value="[0-1]{1,255}" /> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:maximum_scaled_value

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The maximum_scaled_value attribute provides the maximum value after application of scaling_factor and value_offset (see their definitions; maximum_scaled_value is the maximum of 0v).
Diagram	
Type	pds:ASCII_Real
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real <ul style="list-style-type: none"> • pds:maximum_scaled_value
Used by	Element pds:Object_Statistics/pds:maximum_scaled_value
Source	<pre><xs:simpleType name="maximum_scaled_value"> <xs:annotation></pre>

<pre> <xs:documentation>The maximum_scaled_value attribute provides the maximum value after application of scaling_factor and value_offset (see their definitions; maximum_scaled_value is the maximum of Ov).</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Real"> </xs:restriction> </xs:simpleType> </pre>

Simple Type pds:minimum_scaled_value

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The minimum_scaled_value attribute provides the minimum value after application of scaling_factor and value_offset (see their definitions; minimum_scaled_value is the minimum of Ov).
Diagram	
Type	pds:ASCII_Real
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real pds:minimum_scaled_value
Used by	Element pds:Object_Statistics/pds:minimum_scaled_value
Source	<pre> <xs:simpleType name="minimum_scaled_value"> <xs:annotation> <xs:documentation>The minimum_scaled_value attribute provides the minimum value after application of scaling_factor and value_offset (see their definitions; minimum_scaled_value is the minimum of Ov).</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Real"> </xs:restriction> </xs:simpleType> </pre>

Simple Type pds:local_identifier_reference

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The local_identifier_reference attribute provides the value of the local_identifier of the entity described by the referencing class. Note that a local_identifier attribute, with the same value as this local_identifier_reference, must be present within the label.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:local_identifier_reference 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Local_Internal_Reference/pds:local_identifier_reference						
Source	<pre> <xs:simpleType name="local_identifier_reference"> <xs:annotation> <xs:documentation>The local_identifier_reference attribute provides the value of the local_identifier of the entity described by the referencing class. Note that a local_identifier attribute, with the same value as this local_identifier_reference, must be present within the label.</xs:documentation> </xs:annotation> </pre>						

```
<xs:restriction base="pds:ASCII_Short_String_Collapsed">
  <xs:minLength value="1"/>
  <xs:maxLength value="255"/>
</xs:restriction>
</xs:simpleType>
```

Simple Type pds:local_reference_type

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The local_reference_type attribute provides the name of an association between an entity identified by a local_identifier_reference and another corresponding entity identified by a local_identifier. The values for the local_reference_type are expected to be enumerated for appropriate contexts in the Schematron files of local (i.e., discipline and mission) data dictionaries.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:local_reference_type 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Local_Internal_Reference/pds:local_reference_type						
Source	<pre><xs:simpleType name="local_reference_type"> <xs:annotation> <xs:documentation>The local_reference_type attribute provides the name of an association between an entity identified by a local_identifier_reference and another corresponding entity identified by a local_identifier. The values for the local_reference_type are expected to be enumerated for appropriate contexts in the Schematron files of local (i.e., discipline and mission) data dictionaries.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:line_display_direction

Namespace	http://pds.nasa.gov/pds4/pds/v1				
Annotations	The line_display_direction element is the preferred orientation of lines within an image for viewing on a display device. Note that if this keyword is present in a label, the sample_display_direction keyword must also be present and must contain a value orthogonal to the value selected for this keyword.				
Diagram					
Type	restriction of pds:ASCII_Short_String_Collapsed				
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:line_display_direction 				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255
minLength	1				
maxLength	255				

pattern	\p{IsBasicLatin}*
Used by	Element pds:Display_2D_Image/pds:line_display_direction
Source	<pre><xs:simpleType name="line_display_direction"> <xs:annotation> <xs:documentation>The line_display_direction element is the preferred orientation of lines within an image for viewing on a display device. Note that if this keyword is present in a label, the sample_display_direction keyword must also be present and must contain a value orthogonal to the value selected for this keyword.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:sample_display_direction

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The sample_display_direction attribute provides the preferred orientation of samples within a line for viewing on a display device. The attribute sample_display_direction must be used with line_display_direction.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:sample_display_direction 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Display_2D_Image/pds:sample_display_direction						
Source	<pre><xs:simpleType name="sample_display_direction"> <xs:annotation> <xs:documentation>The sample_display_direction attribute provides the preferred orientation of samples within a line for viewing on a display device. The attribute sample_display_direction must be used with line_display_direction.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:encoding_standard_id

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The encoding_standard_id attribute provides the formal name of a standard used for the structure of an Encoded Byte Stream digital object.
Diagram	
Type	restriction of pds:ASCII_Short_String_Collapsed
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:encoding_standard_id

Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Used by	Elements	pds:Encoded_Binary/pds:encoding_standard_id, pds:Encoded_Byte_Stream/pds:encoding_standard_id, pds:Encoded_Header/pds:encoding_standard_id, pds:Encoded_Image/pds:encoding_standard_id, pds:Encoded_Native/pds:encoding_standard_id
Source	<pre><xs:simpleType name="encoding_standard_id"> <xs:annotation> <xs:documentation>The encoding_standard_id attribute provides the formal name of a standard used for the structure of an Encoded Byte Stream digital object.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type pds:bit_fields

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Annotations	The bit_fields attribute provides the number of defined bit fields (Field_Bit definitions) within the Packed_Data_Field.	
Diagram		
Type	restriction of pds:ASCII_Integer	
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:bit_fields 	
Facets	minInclusive	1
Used by	Element	pds:Packed_Data_Fields/pds:bit_fields
Source	<pre><xs:simpleType name="bit_fields"> <xs:annotation> <xs:documentation>The bit_fields attribute provides the number of defined bit fields (Field_Bit definitions) within the Packed_Data_Field.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Integer"> <xs:minInclusive value="1"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type pds:start_bit

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Annotations	The start_bit attribute provides the position of the first bit within an ordered sequence of bits.	
Diagram		
Type	restriction of pds:ASCII_Integer	
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:start_bit 	

Facets	minInclusive	1
Used by	Element	pds:Field_Bit/pds:start_bit
Source	<pre><xs:simpleType name="start_bit"> <xs:annotation> <xs:documentation>The start_bit attribute provides the position of the first bit within an ordered sequence of bits.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Integer"> <xs:minInclusive value="1"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type pds:stop_bit

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Annotations	<p>The stop-bit attribute provides the location of the last bit in this bit field relative to the first bit in the packed_data field. Bits are numbered continuously across byte boundaries. The first bit location in the packed data field is "1".</p>	
Diagram		
Type	restriction of pds:ASCII_Integer	
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:stop_bit 	
Facets	minInclusive	1
Used by	Element	pds:Field_Bit/pds:stop_bit
Source	<pre><xs:simpleType name="stop_bit"> <xs:annotation> <xs:documentation>The stop-bit attribute provides the location of the last bit in this bit field relative to the first bit in the packed_data field. Bits are numbered continuously across byte boundaries. The first bit location in the packed data field is "1".</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Integer"> <xs:minInclusive value="1"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type pds:field_delimiter

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Annotations	<p>The field_delimiter attribute provides the character that marks the boundary between two fields in a delimited table.</p>	
Diagram		
Type	restriction of pds:ASCII_Short_String_Collapsed	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:field_delimiter 	
Facets	minLength	1
Facets	maxLength	255
Facets	pattern	\p{IsBasicLatin}*

Used by	Elements pds:Manifest_SIP_Deep_Archive/pds:field_delimiter, pds:Table_Delimited/pds:field_delimiter
Source	<pre><xs:simpleType name="field_delimiter"> <xs:annotation> <xs:documentation>The field_delimiter attribute provides the character that marks the boundary between two fields in a delimited table.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:maximum_record_length_WO_Units

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of pds:ASCII_Integer
Type hierarchy	<ul style="list-style-type: none"> xs:integer pds:ASCII_Integer pds:maximum_record_length_WO_Units
Facets	minInclusive 1
Used by	Complex Type pds:maximum_record_length
Source	<pre><xs:simpleType name="maximum_record_length_WO_Units"> <xs:restriction base="pds:ASCII_Integer"> <xs:minInclusive value="1" /> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:maximum_field_length_WO_Units

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of pds:ASCII_Integer
Type hierarchy	<ul style="list-style-type: none"> xs:integer pds:ASCII_Integer pds:maximum_field_length_WO_Units
Facets	minInclusive 1
Used by	Complex Type pds:maximum_field_length
Source	<pre><xs:simpleType name="maximum_field_length_WO_Units"> <xs:restriction base="pds:ASCII_Integer"> <xs:minInclusive value="1" /> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:ASCII_Date_Time_YMD_UTC

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of xs:string
Facets	<p>pattern</p> <pre>((-)?[0-9]{4}(Z)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T))</pre>

	<pre>[0-9]) (2[0-3]))(Z)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))-(0[1-9]) ([1-2][0-9]) (3[0-1]))(T) ((-[0-1][0-9]) (2[0-3])): [0-5][0-9](Z)) ((-)?[0-9] {4}-((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1] [0-9]) (2[0-3])):[0-5] [0-9]:((-[0-5][0-9]) 60) (\.([0-9]{1,4}))?(Z)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))-(0[1-9]) ([1-2][0-9]) (3[0-1])) (T)24((:00) (:00:00))? (Z)) ((-)?[0-9]{4}- ((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)24:00:00(\. ([0]{1,4})))(Z)) ((-)? [0-9]{4}-((0[1-9]) (1[0-2]))-(0[1-9]) ([1-2][0-9]) (3[0-1])) (Z))</pre>
Used by	Complex Types pds:start_date_time, pds:stop_date_time
Source	<pre><xs:simpleType name="ASCII_Date_Time_YMD_UTC"> <xs:restriction base="xs:string"> <xs:pattern value="(-)?[0-9]{4}(Z)"/> <xs:pattern value="(-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z)"/> <xs:pattern value="(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-(0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1] [0-9]) (2[0-3]))(Z)"/> <xs:pattern value="(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-(0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1] [0-9]) (2[0-3])):[0-5][0-9](Z)"/> <xs:pattern value="(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-(0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1] [0-9]) (2[0-3])):[0-5][0-9]:((-[0-5][0-9]) 60)(\.[0-9]{1,4}))?(Z)"/> <xs:pattern value="(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-(0[1-9]) ([1-2][0-9]) (3[0-1]))(T)24((:00) (:00:00))?(Z)"/> <xs:pattern value="(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-(0[1-9]) ([1-2][0-9]) (3[0-1])) (T)24:00:00(\.[0]{1,4})(Z)"/> <xs:pattern value="(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-(0[1-9]) ([1-2][0-9]) (3[0-1]))(Z)"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:nil_reason

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	list of pds:nil_reason_list
Used by	Attributes pds:publication_date/@nilReason, pds:reference_frame_id/@nilReason, pds:start_date_time/@nilReason, pds:start_time/@nilReason, pds:stop_date/@nilReason, pds:stop_date_time/@nilReason, pds:stop_time/@nilReason
Source	<pre><xs:simpleType name="nil_reason"> <xs:list itemType="pds:nil_reason_list"> </xs:list> </xs:simpleType></pre>

Simple Type pds:local_mean_solar_time

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The local_mean_solar_time attribute provides the hour angle of the fictitious mean Sun at a fixed point on a rotating solar system body.
Diagram	

Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:local_mean_solar_time 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>8</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	8	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	8						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Time_Coordinates/pds:local_mean_solar_time						
Source	<pre><xs:simpleType name="local_mean_solar_time"> <xs:annotation> <xs:documentation>The local_mean_solar_time attribute provides the hour angle of the fictitious mean Sun at a fixed point on a rotating solar system body.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="8"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:local_true_solar_time

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The local_true_solar_time (LTST) attribute provides the local time on a rotating solar system body where LTST is 12 h at the sub-solar point (SSP) and increases 1 h for each 15 degree increase in east longitude away from the SSP for prograde rotation.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:local_true_solar_time 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>8</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	8	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	8						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Time_Coordinates/pds:local_true_solar_time						
Source	<pre><xs:simpleType name="local_true_solar_time"> <xs:annotation> <xs:documentation>The local_true_solar_time (LTST) attribute provides the local time on a rotating solar system body where LTST is 12 h at the sub-solar point (SSP) and increases 1 h for each 15 degree increase in east longitude away from the SSP for prograde rotation.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="8"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:solar_longitude_WO_Units

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of pds:ASCII_Real
Type hierarchy	<ul style="list-style-type: none"> • xs:double

	<ul style="list-style-type: none"> • pds:ASCII_Real • pds:solar_longitude_WO_Units 				
Facets	<table border="1"> <tr> <td>maxInclusive</td> <td>360</td> </tr> <tr> <td>minInclusive</td> <td>0</td> </tr> </table>	maxInclusive	360	minInclusive	0
maxInclusive	360				
minInclusive	0				
Used by	Complex Type pds:solar_longitude				
Source	<pre><xs:simpleType name="solar_longitude_WO_Units"> <xs:restriction base="pds:ASCII_Real"> <xs:minInclusive value="0"/> <xs:maxInclusive value="360"/> </xs:restriction> </xs:simpleType></pre>				

Simple Type pds:purpose

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The purpose attribute provides an indication of the primary purpose of the observations included.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:purpose 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Primary_Result_Summary/pds:purpose						
Source	<pre><xs:simpleType name="purpose"> <xs:annotation> <xs:documentation>The purpose attribute provides an indication of the primary purpose of the observations included.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:data_regime

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The data_regime attribute provides the wavelength (or an analogous concept for things like particle detectors) of the observations, stated as a category.
Diagram	
Type	restriction of pds:ASCII_Short_String_Collapsed
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed

	<ul style="list-style-type: none"> • pds:data_regime
Facets	minLength 1
	maxLength 255
	pattern \p{IsBasicLatin}*
Used by	Element pds:Primary_Result_Summary/pds:data_regime
Source	<pre><xs:simpleType name="data_regime"> <xs:annotation> <xs:documentation>The data_regime attribute provides the wavelength (or an analogous concept for things like particle detectors) of the observations, stated as a category.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:processing_level

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The processing_level attribute provides a broad classification of data processing level.
Diagram	<p>The processing_level attribute provides a broad classification of data processing level.</p>
Type	restriction of pds:ASCII_Short_String_Collapsed
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:processing_level
Facets	minLength 1
	maxLength 255
	pattern \p{IsBasicLatin}*
Used by	Element pds:Primary_Result_Summary/pds:processing_level
Source	<pre><xs:simpleType name="processing_level"> <xs:annotation> <xs:documentation>The processing_level attribute provides a broad classification of data processing level.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:processing_level_id

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The processing_level_id attribute provides a broad indication of data processing level.
Diagram	<p>The processing_level_id attribute provides a broad indication of data processing level.</p>
Type	restriction of pds:ASCII_Short_String_Collapsed
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:processing_level_id

Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Used by	Element	pds:Primary_Result_Summary/pds:processing_level_id
Source	<pre><xs:simpleType name="processing_level_id"> <xs:annotation> <xs:documentation>The processing_level_id attribute provides a broad indication of data processing level.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type pds:wavelength_range

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Annotations	The wavelength range attribute specifies the wavelength range over which the data were collected or which otherwise characterizes the observation(s). Boundaries are vague, and there is overlap.	
Diagram		
Type	restriction of pds:ASCII_Short_String_Collapsed	
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:wavelength_range 	
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Used by	Element	pds:Science_Facets/pds:wavelength_range
Source	<pre><xs:simpleType name="wavelength_range"> <xs:annotation> <xs:documentation>The wavelength range attribute specifies the wavelength range over which the data were collected or which otherwise characterizes the observation(s). Boundaries are vague, and there is overlap.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type pds:domain

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The radial "zone" or "shell" of the target for which the observations were collected or which are represented in the product(s). The value may depend on wavelength_range and size of the target.
Diagram	
Type	restriction of pds:ASCII_Short_String_Collapsed

Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> pds:domain 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Science_Facets/pds:domain						
Source	<pre><xs:simpleType name="domain"> <xs:annotation> <xs:documentation>The radial "zone" or "shell" of the target for which the observations were collected or which are represented in the product(s). The value may depend on wavelength_range and size of the target.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:alternate_designation

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The alternate_designation attribute provides aliases.						
Diagram	<p>The alternate_designation attribute provides aliases.</p>						
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> pds:alternate_designation 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Target_Identification/pds:alternate_designation						
Source	<pre><xs:simpleType name="alternate_designation"> <xs:annotation> <xs:documentation>The alternate_designation attribute provides aliases.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:bundle_type

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The bundle_type attribute provides a classification for the bundle.
Diagram	<p>The bundle_type attribute provides a classification for the bundle.</p>
Type	restriction of pds:ASCII_Short_String_Collapsed
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed

	<ul style="list-style-type: none"> • pds:bundle_type
Facets	minLength 1
	maxLength 255
	pattern \p{IsBasicLatin}*
Used by	Element pds:Bundle/pds:bundle_type
Source	<pre><xs:simpleType name="bundle_type"> <xs:annotation> <xs:documentation>The bundle_type attribute provides a classification for the bundle.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:member_status


Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The member_status attribute indicates whether the collection is primary and whether the file_specification_name has been provided for the product_collection label.
Diagram	
Type	restriction of pds:ASCII_Short_String_Collapsed
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:member_status
Facets	minLength 1
	maxLength 255
	pattern \p{IsBasicLatin}*
Used by	Element pds:Bundle_Member_Entry/pds:member_status
Source	<pre><xs:simpleType name="member_status"> <xs:annotation> <xs:documentation>The member_status attribute indicates whether the collection is primary and whether the file_specification_name has been provided for the product_collection label.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:collection_type


Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The collection_type attribute provides a classification for the collection.
Diagram	
Type	restriction of pds:ASCII_Short_String_Collapsed
Type hierarchy	<ul style="list-style-type: none"> • xs:token

	<ul style="list-style-type: none"> • pds:ASCII_Short_String_Collapsed • pds:collection_type 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Collection/pds:collection_type						
Source	<pre><xs:simpleType name="collection_type"> <xs:annotation> <xs:documentation>The collection_type attribute provides a classification for the collection.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:address

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The address attribute provides a mailing address.
Diagram	
Type	restriction of pds:UTF8_Text_Preserved
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:UTF8_Text_Preserved • pds:address
Facets	minLength 1
Used by	Element pds:Facility/pds:address
Source	<pre><xs:simpleType name="address"> <xs:annotation> <xs:documentation>The address attribute provides a mailing address.</xs:documentation> </xs:annotation> <xs:restriction base="pds:UTF8_Text_Preserved"> <xs:minLength value="1" /> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:country

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	country						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:country 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Facility/pds:country						

Source	<pre> <xs:simpleType name="country"> <xs:annotation> <xs:documentation>country</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType> </pre>
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Simple Type pds:model_id

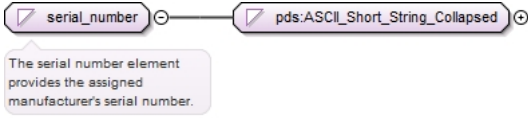
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The model_id attribute helps discriminate instrument hardware. For example "flight", "engineering", or "proto" have been used.						
Diagram	<p>The model_id attribute helps discriminate instrument hardware. For example "flight", "engineering", or "proto" have...</p>						
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:model_id 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Instrument/pds:model_id						
Source	<pre> <xs:simpleType name="model_id"> <xs:annotation> <xs:documentation>The model_id attribute helps discriminate instrument hardware. For example "flight", "engineering", or "proto" have been used.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType> </pre>						

Simple Type pds:naif_instrument_id


Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The naif_instrument_id element provides the numeric ID used within the SPICE system to identify the spacecraft, spacecraft structure or science instrument.						
Diagram	<p>The naif_instrument_id element provides the numeric ID used within the SPICE system to identify the spacecraft...</p>						
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:naif_instrument_id 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						

Used by	Element pds:Instrument/pds:naif_instrument_id
Source	<pre><xs:simpleType name="naif_instrument_id"> <xs:annotation> <xs:documentation>The naif_instrument_id element provides the numeric ID used within the SPICE system to identify the spacecraft, spacecraft structure or science instrument.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:serial_number

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The serial number element provides the assigned manufacturer's serial number.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:serial_number 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Elements pds:Instrument/pds:serial_number, pds:Instrument_Host/pds:serial_number						
Source	<pre><xs:simpleType name="serial_number"> <xs:annotation> <xs:documentation>The serial number element provides the assigned manufacturer's serial number.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:instrument_host_version_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The instrument_host_version_id attribute provides the version of the instrument host.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:instrument_host_version_id 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Instrument_Host/pds:instrument_host_version_id						
Source	<pre><xs:simpleType name="instrument_host_version_id"> <xs:annotation></pre>						

<pre> <xs:documentation>The instrument_host_version_id attribute provides the version of the instrument host.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType> </pre>
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Simple Type pds:naif_host_id

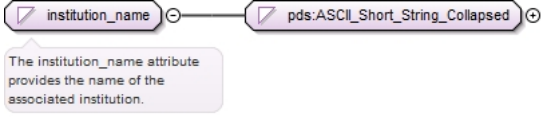
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The naif_instrument_id element provides the numeric ID used within the SPICE system to identify the spacecraft, spacecraft structure or science instrument.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:naif_host_id 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Instrument_Host/pds:naif_host_id						
Source	<pre> <xs:simpleType name="naif_host_id"> <xs:annotation> <xs:documentation>The naif_instrument_id element provides the numeric ID used within the SPICE system to identify the spacecraft, spacecraft structure or science instrument.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType> </pre>						

Simple Type pds:start_date

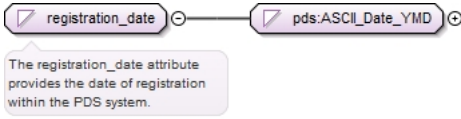
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Annotations	The start_date attribute provides the date when an activity began.		
Diagram			
Type	pds:ASCII_Date_YMD		
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Date_YMD pds:start_date 		
Facets	<table border="1"> <tr> <td>pattern</td> <td> ((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-)?[0-9] {4}-((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z?)) </td> </tr> </table>	pattern	((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-)?[0-9] {4}-((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z?))
pattern	((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-)?[0-9] {4}-((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z?))		
Used by	Element pds:Investigation/pds:start_date		

Source	<pre><xs:simpleType name="start_date"> <xs:annotation> <xs:documentation>The start_date attribute provides the date when an activity began.</ </xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Date_YMD"> <!-- format="YYYY-MM-DD" --> </xs:restriction> </xs:simpleType></pre>
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Simple Type pds:institution_name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The institution_name attribute provides the name of the associated institution.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:institution_name 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>(\p{IsBasicLatin}*) & ([a-zA-Z]{1}([-/, ._a-zA-Z0-9]*))</td> </tr> </table>	minLength	1	maxLength	255	pattern	(\p{IsBasicLatin}*) & ([a-zA-Z]{1}([-/, ._a-zA-Z0-9]*))
minLength	1						
maxLength	255						
pattern	(\p{IsBasicLatin}*) & ([a-zA-Z]{1}([-/, ._a-zA-Z0-9]*))						
Used by	Elements pds:Node/pds:institution_name, pds:PDS_Affiliate/pds:institution_name						
Source	<pre><xs:simpleType name="institution_name"> <xs:annotation> <xs:documentation>The institution_name attribute provides the name of the associated institution.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:pattern value="[a-zA-Z]{1}([-/, ._a-zA-Z0-9]*)" /> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:registration_date

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Annotations	The registration_date attribute provides the date of registration within the PDS system.		
Diagram			
Type	pds:ASCII_Date_YMD		
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Date_YMD pds:registration_date 		
Facets	<table border="1"> <tr> <td>pattern</td> <td>((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-(0[1-9]) (1[0-2]))(Z?)) ((-)?[0-9]{4}-(0[1-9]) (1[0-2]))-(0[1-9]) ((1-2)[0-9]) (3[0-1]))(Z?)</td> </tr> </table>	pattern	((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-(0[1-9]) (1[0-2]))(Z?)) ((-)?[0-9]{4}-(0[1-9]) (1[0-2]))-(0[1-9]) ((1-2)[0-9]) (3[0-1]))(Z?)
pattern	((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-(0[1-9]) (1[0-2]))(Z?)) ((-)?[0-9]{4}-(0[1-9]) (1[0-2]))-(0[1-9]) ((1-2)[0-9]) (3[0-1]))(Z?)		

Used by	Elements pds:PDS_Affiliate/pds:registration_date, pds:PDS_Guest/pds:registration_date
Source	<pre><xs:simpleType name="registration_date"> <xs:annotation> <xs:documentation>The registration_date attribute provides the date of registration within the PDS system.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Date_YMD"> <!-- format="YYYY-MM-DD" --> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:electronic_mail_address

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The electronic mail address attribute provides a multi-part email address: the first part (the user name), which identifies a unique user, is separated by an "at sign" from the host name, which uniquely identifies the mail server.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:electronic_mail_address 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Elements pds:PDS_Affiliate/pds:electronic_mail_address, pds:PDS_Guest/pds:electronic_mail_address						
Source	<pre><xs:simpleType name="electronic_mail_address"> <xs:annotation> <xs:documentation>The electronic mail address attribute provides a multi-part email address: the first part (the user name), which identifies a unique user, is separated by an "at sign" from the host name, which uniquely identifies the mail server.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:sort_name

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Annotations	The sort name attribute provides a string to be used in ordering. For people, the last name (surname) is typically first, followed by a comma and then other names.		
Diagram			
Type	restriction of pds:ASCII_Short_String_Collapsed		
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:sort_name 		
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1
minLength	1		

	maxLength	255
	pattern	\p{IsBasicLatin}*
Used by	Elements	pds:PDS_Affiliate/pds:sort_name, pds:PDS_Guest/pds:sort_name
Source	<pre><xs:simpleType name="sort_name"> <xs:annotation> <xs:documentation>The sort name attribute provides a string to be used in ordering. For people, the last name (surname) is typically first, followed by a comma and then other names.</ xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type pds:affiliation_type

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Annotations	The affiliation type attribute describes the type of relationship an individual has with the PDS. Individuals with PDS affiliations are generally listed in the PDS Phone Book.	
Diagram		
Type	restriction of pds:ASCII_Short_String_Collapsed	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:affiliation_type 	
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Used by	Element	pds:PDS_Affiliate/pds:affiliation_type
Source	<pre><xs:simpleType name="affiliation_type"> <xs:annotation> <xs:documentation>The affiliation type attribute describes the type of relationship an individual has with the PDS. Individuals with PDS affiliations are generally listed in the PDS Phone Book.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type pds:alternate_telephone_number

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Annotations	The telephone_number attribute provides a telephone number in international notation in compliance with the E.164 telephone number format recommendation.	
Diagram		
Type	restriction of pds:ASCII_Short_String_Collapsed	
Type hierarchy	<ul style="list-style-type: none"> • xs:token 	

	<ul style="list-style-type: none"> • pds:ASCII_Short_String_Collapsed • pds:alternate_telephone_number 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:PDS_Affiliate/pds:alternate_telephone_number						
Source	<pre><xs:simpleType name="alternate_telephone_number"> <xs:annotation> <xs:documentation>The telephone_number attribute provides a telephone number in international notation in compliance with the E.164 telephone number format recommendation.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:phone_book_flag

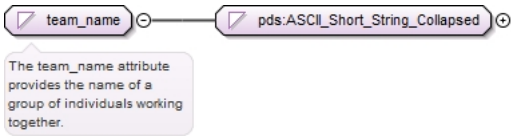
Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The phone_book_flag attribute indicates whether or not this person should be included in the phone book.
Diagram	<p>The phone_book_flag attribute indicates whether or not this person should be included in the phone book.</p>
Type	pds:ASCII_Boolean
Type hierarchy	<ul style="list-style-type: none"> • xs:boolean • pds:ASCII_Boolean • pds:phone_book_flag
Used by	Element pds:PDS_Affiliate/pds:phone_book_flag
Source	<pre><xs:simpleType name="phone_book_flag"> <xs:annotation> <xs:documentation>The phone_book_flag attribute indicates whether or not this person should be included in the phone book.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Boolean"> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:postal_address_text


Namespace	http://pds.nasa.gov/pds4/pds/v1				
Annotations	The postal address text attribute provides a mailing address.				
Diagram	<p>The postal address text attribute provides a mailing address.</p>				
Type	restriction of pds:ASCII_Text_Preserved				
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:postal_address_text 				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*
minLength	1				
pattern	\p{IsBasicLatin}*				
Used by	Element pds:PDS_Affiliate/pds:postal_address_text				

Source	<pre><xs:simpleType name="postal_address_text"> <xs:annotation> <xs:documentation>The postal address text attribute provides a mailing address.</ </xs:annotation> <xs:restriction base="pds:ASCII_Text_Preserved"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>
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Simple Type pds:team_name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The team_name attribute provides the name of a group of individuals working together.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:team_name 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:PDS_Affiliate/pds:team_name						
Source	<pre><xs:simpleType name="team_name"> <xs:annotation> <xs:documentation>The team_name attribute provides the name of a group of individuals working together.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:telephone_number

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The telephone_number attribute provides a telephone number in international notation in compliance with the E.164 telephone number format recommendation.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:telephone_number 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:PDS_Affiliate/pds:telephone_number						

Source	<pre> <xs:simpleType name="telephone_number"> <xs:annotation> <xs:documentation>The telephone_number attribute provides a telephone number in international notation in compliance with the E.164 telephone number format recommendation.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType> </pre>
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Simple Type pds:aperture_WO_Units

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of pds:ASCII_Real
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real pds:aperture_WO_Units
Facets	minInclusive 0
Used by	Complex Type pds:aperture
Source	<pre> <xs:simpleType name="aperture_WO_Units"> <xs:restriction base="pds:ASCII_Real"> <xs:minInclusive value="0" /> </xs:restriction> </xs:simpleType> </pre>

Simple Type pds:telescope_longitude_WO_Units

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:ASCII_Real
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real pds:telescope_longitude_WO_Units
Used by	Complex Type pds:telescope_longitude
Source	<pre> <xs:simpleType name="telescope_longitude_WO_Units"> <xs:restriction base="pds:ASCII_Real"> </xs:restriction> </xs:simpleType> </pre>

Simple Type pds:telescope_latitude_WO_Units

Namespace	http://pds.nasa.gov/pds4/pds/v1				
Diagram					
Type	restriction of pds:ASCII_Real				
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real pds:telescope_latitude_WO_Units 				
Facets	<table border="1"> <tr> <td>maxInclusive</td> <td>90</td> </tr> <tr> <td>minInclusive</td> <td>-90</td> </tr> </table>	maxInclusive	90	minInclusive	-90
maxInclusive	90				
minInclusive	-90				
Used by	Complex Type pds:telescope_latitude				
Source	<pre> <xs:simpleType name="telescope_latitude_WO_Units"> <xs:restriction base="pds:ASCII_Real"> </pre>				

```
<xs:minInclusive value="-90"/>
<xs:maxInclusive value="90"/>
</xs:restriction>
</xs:simpleType>
```

Simple Type pds:altitude_WO_Units

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	pds:ASCII_Real
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real pds:altitude_WO_Units
Used by	Complex Type pds:altitude
Source	<pre><xs:simpleType name="altitude_WO_Units"> <xs:restriction base="pds:ASCII_Real"> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:coordinate_source

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The coordinate_source provides the name of the source of a set of coordinates.						
Diagram	<p>The coordinate_source provides the name of the source of a set of coordinates.</p>						
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:coordinate_source 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Telescope/pds:coordinate_source						
Source	<pre><xs:simpleType name="coordinate_source"> <xs:annotation> <xs:documentation>The coordinate_source provides the name of the source of a set of coordinates.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:data_set_id

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The data set id provides a formal name used to refer to a data set.
Diagram	<p>The data set id provides a formal name used to refer to a data set.</p>
Type	restriction of pds:ASCII_Short_String_Collapsed

Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> • pds:data_set_id 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Data_Set_PDS3/pds:data_set_id						
Source	<pre><xs:simpleType name="data_set_id"> <xs:annotation> <xs:documentation>The data set id provides a formal name used to refer to a data set.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:data_set_name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The data_set_name attribute provides the full name given to a data set or a data product. The data_set_name typically identifies the instrument that acquired the data of that instrument Example value data_set_id. Note This attribute is defined in the AMMOS Magellan catalog as an alias for file_name to provide backward compatibility						
Diagram	<pre> classDiagram class data_set_name class pds_ASCII_Short_String_Collapsed data_set_name -- > pds_ASCII_Short_String_Collapsed </pre> <p>The data_set_name attribute provides the full name given to a data set or a data product. The data_set_name typically identifies the instrument that acquired the data of that instrument.</p>						
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> • pds:data_set_name 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Data_Set_PDS3/pds:data_set_name						
Source	<pre><xs:simpleType name="data_set_name"> <xs:annotation> <xs:documentation>The data_set_name attribute provides the full name given to a data set or a data product. The data_set_name typically identifies the instrument that acquired the data of that instrument Example value data_set_id. Note This attribute is defined in the AMMOS Magellan catalog as an alias for file_name to provide backward compatibility</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:data_set_release_date

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The data_set_release_date attribute provides the date when a data set is released by the data producer for archive or publication. In many systems this represents the end of a proprietary or validation period. Formation rule In AMMOS identify the date at which a product may be released to the general public from proprietary access. AMMOS-related systems should apply this attribute only to proprietary

	data.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:data_set_release_date 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Data_Set_PDS3/pds:data_set_release_date						
Source	<pre><xs:simpleType name="data_set_release_date"> <xs:annotation> <xs:documentation>The data_set_release_date attribute provides the date when a data set is released by the data producer for archive or publication. In many systems this represents the end of a proprietary or validation period. Formation rule In AMMOS identify the date at which a product may be released to the general public from proprietary access. AMMOS-related systems should apply this attribute only to proprietary data.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:ASCII_Date_Time

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	restriction of xs:string		
Facets	<table border="1"> <tr> <td>pattern</td> <td> <pre>((-)?[0-9]{4}) ((-)? [0-9]{4}-(00[1-9] (0[1-9][0-9]) ([1-2] [0-9][0-9]) (3([0-5] [0-9]) (6[0-6]))) ((-)? [0-9]{4}-(00[1-9] (0[1-9][0-9]) ([1-2] [0-9][0-9]) (3([0-5] [0-9]) (6[0-6]))) (T) ([0-1][0-9]) (2[0-3])): [0-5][0-9](Z)? ((-)? [0-9]{4}-(00[1-9] (0[1-9][0-9]) ([1-2][0-9] [0-9]) (3([0-5][0-9] (6[0-6]))) (T)([0-1] [0-9]) (2[0-3])):[0-5] [0-9]:([0-5][0-9] 60) (\.[0-9]{1,4})?(Z)? ((-)?[0-9]{4}-(00[1-9] (0[1-9][0-9]) ([1-2][0-9] [0-9]) (3([0-5][0-9] (6[0-6]))) (T)([0-1] [0-9]) (2[0-4]))(Z)? ((-)?[0-9]{4}-(00[1-9] (0[1-9][0-9]) ([1-2] [0-9][0-9]) (3([0-5] [0-9]) (6[0-6]))) (T)24:00((:00(\.0+)?)? (Z)? ((-)?[0-9]{4}-</pre> </td> </tr> </table>	pattern	<pre>((-)?[0-9]{4}) ((-)? [0-9]{4}-(00[1-9] (0[1-9][0-9]) ([1-2] [0-9][0-9]) (3([0-5] [0-9]) (6[0-6]))) ((-)? [0-9]{4}-(00[1-9] (0[1-9][0-9]) ([1-2] [0-9][0-9]) (3([0-5] [0-9]) (6[0-6]))) (T) ([0-1][0-9]) (2[0-3])): [0-5][0-9](Z)? ((-)? [0-9]{4}-(00[1-9] (0[1-9][0-9]) ([1-2][0-9] [0-9]) (3([0-5][0-9] (6[0-6]))) (T)([0-1] [0-9]) (2[0-3])):[0-5] [0-9]:([0-5][0-9] 60) (\.[0-9]{1,4})?(Z)? ((-)?[0-9]{4}-(00[1-9] (0[1-9][0-9]) ([1-2][0-9] [0-9]) (3([0-5][0-9] (6[0-6]))) (T)([0-1] [0-9]) (2[0-4]))(Z)? ((-)?[0-9]{4}-(00[1-9] (0[1-9][0-9]) ([1-2] [0-9][0-9]) (3([0-5] [0-9]) (6[0-6]))) (T)24:00((:00(\.0+)?)? (Z)? ((-)?[0-9]{4}-</pre>
pattern	<pre>((-)?[0-9]{4}) ((-)? [0-9]{4}-(00[1-9] (0[1-9][0-9]) ([1-2] [0-9][0-9]) (3([0-5] [0-9]) (6[0-6]))) ((-)? [0-9]{4}-(00[1-9] (0[1-9][0-9]) ([1-2] [0-9][0-9]) (3([0-5] [0-9]) (6[0-6]))) (T) ([0-1][0-9]) (2[0-3])): [0-5][0-9](Z)? ((-)? [0-9]{4}-(00[1-9] (0[1-9][0-9]) ([1-2][0-9] [0-9]) (3([0-5][0-9] (6[0-6]))) (T)([0-1] [0-9]) (2[0-3])):[0-5] [0-9]:([0-5][0-9] 60) (\.[0-9]{1,4})?(Z)? ((-)?[0-9]{4}-(00[1-9] (0[1-9][0-9]) ([1-2][0-9] [0-9]) (3([0-5][0-9] (6[0-6]))) (T)([0-1] [0-9]) (2[0-4]))(Z)? ((-)?[0-9]{4}-(00[1-9] (0[1-9][0-9]) ([1-2] [0-9][0-9]) (3([0-5] [0-9]) (6[0-6]))) (T)24:00((:00(\.0+)?)? (Z)? ((-)?[0-9]{4}-</pre>		

	<pre> ((0[1-9]) (1[0-2])) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1])) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T) ((([0-1][0-9]) (2[0-3])): [0-5][0-9](Z)? ((-)? [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T) ((([0-1][0-9]) (2[0-3])): [0-5][0-9]:((([0-5][0-9]) 60)\.([0-9]{1,4}))? (Z)? ((-)?[0-9]{4}- ((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1] [0-9]) (2[0-4]))(Z)? ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1])) (T)24:00((:00(\.0+)?)? (Z)? </pre>
Used by	Complex Types pds:start_time, pds:stop_time
Source	<pre> <xs:simpleType name="ASCII_Date_Time"> <xs:restriction base="xs:string"> <xs:pattern value="(-)?[0-9]{4}"/> <xs:pattern value="(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6])))))"/> <xs:pattern value="(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6]))))) (T)(([0-1][0-9]) (2[0-3])):[0-5][0-9](Z)?"/> <xs:pattern value="(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6]))))) (T)(([0-1][0-9]) (2[0-3])):[0-5][0-9]:((([0-5][0-9]) 60)\.([0-9]{1,4}))?(Z)?"/> <xs:pattern value="(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6]))))) (T)(([0-1][0-9]) (2[0-4]))(Z)?"/> <xs:pattern value="(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6]))))) (T)24:00((:00(\.0+)?)?(Z)?"/> <xs:pattern value="(-)?[0-9]{4}-((0[1-9]) (1[0-2]))"/> <xs:pattern value="(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))"/> <xs:pattern value="(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1] [0-9]) (2[0-3])):[0-5][0-9](Z)?"/> <xs:pattern value="(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1] [0-9]) (2[0-3])):[0-5][0-9]:((([0-5][0-9]) 60)\.([0-9]{1,4}))?(Z)?"/> <xs:pattern value="(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1] [0-9]) (2[0-4]))(Z)?"/> <xs:pattern value="(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1])) (T)24:00((:00(\.0+)?)?(Z)?"/> </xs:restriction> </xs:simpleType> </pre>

Simple Type pds:producer_full_name

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The producer_full_name attribute provides the full_name of the individual mainly responsible for the production of the data set. This individual does not have to be registered with the PDS.
Diagram	<pre> classDiagram class pds_producer_full_name class pds_ASCII_Short_String_Collapsed pds_producer_full_name -- > pds_ASCII_Short_String_Collapsed </pre> <p>The producer_full_name attribute provides the full_name of the individual mainly responsible for the production of the...</p>
Type	restriction of pds:ASCII_Short_String_Collapsed
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:producer_full_name
Facets	minLength 1

	maxLength	255
	pattern	\p{IsBasicLatin}*
Used by	Element	pds:Data_Set_PDS3/pds:producer_full_name
Source	<pre><xs:simpleType name="producer_full_name"> <xs:annotation> <xs:documentation>The producer_full_name attribute provides the full_name of the individual mainly responsible for the production of the data set. This individual does not have to be registered with the PDS.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type pds:citation_text

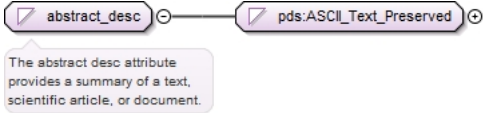
Namespace	http://pds.nasa.gov/pds4/pds/v1				
Annotations	The citation_text attribute provides a character string containing a literature or other citation in sufficient detail that the material could be located in PDS or elsewhere.				
Diagram					
Type	restriction of pds:ASCII_Text_Preserved				
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:citation_text 				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*
minLength	1				
pattern	\p{IsBasicLatin}*				
Used by	Element pds:Data_Set_PDS3/pds:citation_text				
Source	<pre><xs:simpleType name="citation_text"> <xs:annotation> <xs:documentation>The citation_text attribute provides a character string containing a literature or other citation in sufficient detail that the material could be located in PDS or elsewhere.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Text_Preserved"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>				

Simple Type pds:data_set_terse_desc

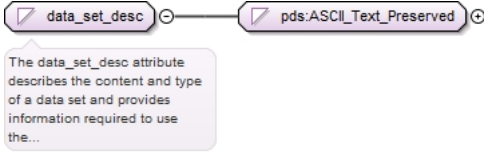
Namespace	http://pds.nasa.gov/pds4/pds/v1				
Annotations	A one line description of the data set				
Diagram					
Type	restriction of pds:ASCII_Text_Preserved				
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:data_set_terse_desc 				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*
minLength	1				
pattern	\p{IsBasicLatin}*				

Used by	Element pds:Data_Set_PDS3/pds:data_set_terse_desc
Source	<pre><xs:simpleType name="data_set_terse_desc"> <xs:annotation> <xs:documentation>A one line description of the data set</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Text_Preserved"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:abstract_desc

Namespace	http://pds.nasa.gov/pds4/pds/v1				
Annotations	The abstract_desc attribute provides a summary of a text, scientific article, or document.				
Diagram					
Type	restriction of pds:ASCII_Text_Preserved				
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Text_Preserved pds:abstract_desc 				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*
minLength	1				
pattern	\p{IsBasicLatin}*				
Used by	Element pds:Data_Set_PDS3/pds:abstract_desc				
Source	<pre><xs:simpleType name="abstract_desc"> <xs:annotation> <xs:documentation>The abstract_desc attribute provides a summary of a text, scientific article, or document.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Text_Preserved"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>				

Simple Type pds:data_set_desc

Namespace	http://pds.nasa.gov/pds4/pds/v1				
Annotations	The data_set_desc attribute describes the content and type of a data set and provides information required to use the data (such as binning information).				
Diagram					
Type	restriction of pds:ASCII_Text_Preserved				
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Text_Preserved pds:data_set_desc 				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*
minLength	1				
pattern	\p{IsBasicLatin}*				
Used by	Element pds:Data_Set_PDS3/pds:data_set_desc				
Source	<pre><xs:simpleType name="data_set_desc"> <xs:annotation> <xs:documentation>The data_set_desc attribute describes the content and type of a data set and provides information required to use the data (such as binning information).</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Text_Preserved"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>				

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</xs:annotation>
<xs:restriction base="pds:ASCII_Text_Preserved">
  <xs:minLength value="1"/>
</xs:restriction>
</xs:simpleType>

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Simple Type pds:confidence_level_note

Namespace	http://pds.nasa.gov/pds4/pds/v1				
Annotations	The confidence_level_note attribute is a text field which characterizes the reliability of data within a data set or the reliability of a particular programming algorithm or software component. Essentially, this note discusses the level of confidence in the accuracy of the data or in the ability of the software to produce accurate results.				
Diagram					
Type	restriction of pds:ASCII_Text_Preserved				
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Text_Preserved pds:confidence_level_note 				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*
minLength	1				
pattern	\p{IsBasicLatin}*				
Used by	Element pds:Data_Set_PDS3/pds:confidence_level_note				
Source	<pre> <xs:simpleType name="confidence_level_note"> <xs:annotation> <xs:documentation>The confidence_level_note attribute is a text field which characterizes the reliability of data within a data set or the reliability of a particular programming algorithm or software component. Essentially, this note discusses the level of confidence in the accuracy of the data or in the ability of the software to produce accurate results.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Text_Preserved"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType> </pre>				

Simple Type pds:archive_status

Namespace	http://pds.nasa.gov/pds4/pds/v1				
Annotations	The ARCHIVE_STATUS attribute indicates the stage to which a data set has progressed in the archiving process, from IN QUEUE through ARCHIVED. It can also take on the values SUPERSEDED or SAFED, which indicate that the data set is not part of the active archive. ACCUMULATING can be appended to some values to indicate that the data set is incomplete and/or that not all components have reached the stage given by the root value; ACCUMULATING would be used, for example, when the archive is being delivered incrementally, as from a mission that lasts many months or years.				
Diagram					
Type	restriction of pds:ASCII_Short_String_Collapsed				
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:archive_status 				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255
minLength	1				
maxLength	255				

pattern	\p{IsBasicLatin}*
Used by	Elements pds:Data_Set_PDS3/pds:archive_status, pds:Volume_PDS3/pds:archive_status
Source	<pre><xs:simpleType name="archive_status"> <xs:annotation> <xs:documentation>The ARCHIVE_STATUS attribute indicates the stage to which a data set has progressed in the archiving process, from IN QUEUE through ARCHIVED. It can also take on the values SUPERSEDED or SAFED, which indicate that the data set is not part of the active archive. ACCUMULATING can be appended to some values to indicate that the data set is incomplete and/or that not all components have reached the stage given by the root value; ACCUMULATING would be used, for example, when the archive is being delivered incrementally, as from a mission that lasts many months or years.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:medium_type

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The medium_type attribute identifies the physical storage medium for a data volume. Examples: CD-ROM, CARTRIDGE TAPE.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:medium_type 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Elements pds:NSSDC/pds:medium_type, pds:Volume_PDS3/pds:medium_type						
Source	<pre><xs:simpleType name="medium_type"> <xs:annotation> <xs:documentation>The medium_type attribute identifies the physical storage medium for a data volume. Examples: CD-ROM, CARTRIDGE TAPE.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:nssdc_collection_id

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	An NSSDC Collection ID is an NSSDC assigned identifier for a collection of PDS datasets.
Diagram	
Type	restriction of pds:ASCII_Short_String_Collapsed
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:nssdc_collection_id

Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Used by	Element	pds:NSSDC/pds:nssdc_collection_id
Source	<pre><xs:simpleType name="nssdc_collection_id"> <xs:annotation> <xs:documentation>An NSSDC Collection ID is an NSSDC assigned identifier for a collection of PDS datasets.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type pds:revision_id

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Annotations	The revision_id attribute provides the revision level of a document, which may be set outside PDS and may be different from its version_id.	
Diagram		
Type	restriction of pds:ASCII_Short_String_Collapsed	
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:revision_id 	
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Used by	Element	pds:Document/pds:revision_id
Source	<pre><xs:simpleType name="revision_id"> <xs:annotation> <xs:documentation>The revision_id attribute provides the revision level of a document, which may be set outside PDS and may be different from its version_id.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type pds:document_name

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The document_title attribute provides the full name of the published document. This optional attribute is used only if the title in the identification area of the document product is not sufficient.
Diagram	
Type	restriction of pds:UTF8_Text_Preserved
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:UTF8_Text_Preserved

	<ul style="list-style-type: none"> • pds:document_name
Facets	minLength 1
Used by	Element pds:Document/pds:document_name
Source	<pre><xs:simpleType name="document_name"> <xs:annotation> <xs:documentation>The document_title attribute provides the full name of the published document. This optional attribute is used only if the title in the identification area of the document product is not sufficient.</xs:documentation> </xs:annotation> <xs:restriction base="pds:UTF8_Text_Preserved"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:acknowledgement_text

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The acknowledgement_text attribute is a character string which recognizes another's contribution, authority, or right.
Diagram	<p>The acknowledgement_text attribute is a character string which recognizes another's contribution, authority, or right.</p>
Type	restriction of pds:ASCII_Text_Preserved
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:acknowledgement_text
Facets	minLength 1 pattern \p{IsBasicLatin}*
Used by	Element pds:Document/pds:acknowledgement_text
Source	<pre><xs:simpleType name="acknowledgement_text"> <xs:annotation> <xs:documentation>The acknowledgement_text attribute is a character string which recognizes another's contribution, authority, or right.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Text_Preserved"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:copyright

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The copyright attribute is a character string giving information about the exclusive right to make copies, license, and otherwise exploit an object, whether physical or digital.
Diagram	<p>The copyright attribute is a character string giving information about the exclusive right to make copies, license, and...</p>
Type	restriction of pds:ASCII_Text_Preserved
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:copyright
Facets	minLength 1

	pattern	\p{IsBasicLatin}*
Used by	Element	pds:Document/pds:copyright
Source	<pre><xs:simpleType name="copyright"> <xs:annotation> <xs:documentation>The copyright attribute is a character string giving information about the exclusive right to make copies, license, and otherwise exploit an object, whether physical or digital.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Text_Preserved"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type pds:document_editions

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Annotations	The document_editions attribute provides a count of the total number of complete, distinct editions of the document.	
Diagram	<p>The diagram shows a box for the 'document_editions' attribute connected to a box for the 'pds:ASCII_Integer' type. A callout box points to the attribute box with the text: 'The document_editions attribute provides a count of the total number of complete, distinct editions of the document.'</p>	
Type	restriction of pds:ASCII_Integer	
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:document_editions 	
Facets	minInclusive	1
Used by	Element	pds:Document/pds:document_editions
Source	<pre><xs:simpleType name="document_editions"> <xs:annotation> <xs:documentation>The document_editions attribute provides a count of the total number of complete, distinct editions of the document.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Integer"> <xs:minInclusive value="1"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type pds:edition_name

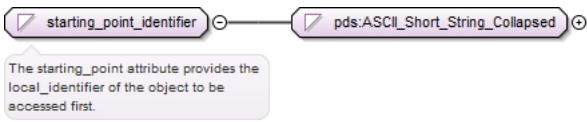
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Annotations	The edition name attribute provides a name by which the edition is known.	
Diagram	<p>The diagram shows a box for the 'edition_name' attribute connected to a box for the 'pds:UTF8_Short_String_Collapsed' type. A callout box points to the attribute box with the text: 'The edition name attribute provides a name by which the edition is known.'</p>	
Type	restriction of pds:UTF8_Short_String_Collapsed	
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:UTF8_Short_String_Collapsed • pds:edition_name 	
Facets	minLength	1
	maxLength	255
Used by	Element	pds:Document_Edition/pds:edition_name
Source	<pre><xs:simpleType name="edition_name"> <xs:annotation> <xs:documentation>The edition name attribute provides a name by which the edition is known.</ </xs:documentation> </xs:simpleType></pre>	

```

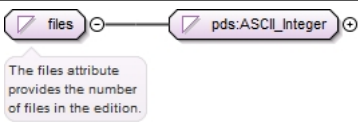
</xs:annotation>
<xs:restriction base="pds:UTF8_Short_String_Collapsed">
  <xs:minLength value="1" />
  <xs:maxLength value="255" />
</xs:restriction>
</xs:simpleType>

```

Simple Type pds:starting_point_identifier

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The starting_point attribute provides the local_identifier of the object to be accessed first.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:starting_point_identifier 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Document_Edition/pds:starting_point_identifier						
Source	<pre> <xs:simpleType name="starting_point_identifier"> <xs:annotation> <xs:documentation>The starting_point attribute provides the local_identifier of the object to be accessed first.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType> </pre>						

Simple Type pds:files

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Annotations	The files attribute provides the number of files in the edition.		
Diagram			
Type	restriction of pds:ASCII_Integer		
Type hierarchy	<ul style="list-style-type: none"> xs:integer pds:ASCII_Integer pds:files 		
Facets	<table border="1"> <tr> <td>minInclusive</td> <td>1</td> </tr> </table>	minInclusive	1
minInclusive	1		
Used by	Elements pds:Document_Edition/pds:files, pds:Software_Binary/pds:files, pds:Software_Script/pds:files, pds:Software_Source/pds:files		
Source	<pre> <xs:simpleType name="files"> <xs:annotation> <xs:documentation>The files attribute provides the number of files in the edition.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Integer"> <xs:minInclusive value="1" /> </xs:restriction> </xs:simpleType> </pre>		


```
</xs:simpleType>
```

Simple Type pds:directory_path_name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The directory_path_name attribute provides a sequence of names that locates a directory in a hierarchy of directories.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:directory_path_name 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Document_File/pds:directory_path_name						
Source	<pre><xs:simpleType name="directory_path_name"> <xs:annotation> <xs:documentation>The directory_path_name attribute provides a sequence of names that locates a directory in a hierarchy of directories.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:document_standard_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The document_standard_id attribute provides the formal name of a standard used for the structure of a document file.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:document_standard_id 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Document_File/pds:document_standard_id						
Source	<pre><xs:simpleType name="document_standard_id"> <xs:annotation> <xs:documentation>The document_standard_id attribute provides the formal name of a standard used for the structure of a document file.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

```
</xs:restriction>
</xs:simpleType>
```

Simple Type pds:instrument_host_name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The instrument_host_name attribute provides the full name of the platform or facility upon which an instrument or other device is mounted. For example, the host can be a spacecraft, a ground-based telescope, or a laboratory.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:instrument_host_name 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Instrument_Host_PDS3/pds:instrument_host_name						
Source	<pre><xs:simpleType name="instrument_host_name"> <xs:annotation> <xs:documentation>The instrument_host_name attribute provides the full name of the platform or facility upon which an instrument or other device is mounted. For example, the host can be a spacecraft, a ground-based telescope, or a laboratory.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:instrument_host_desc

Namespace	http://pds.nasa.gov/pds4/pds/v1				
Annotations	The instrument_host_desc provides a description of an instrument host				
Diagram					
Type	restriction of pds:ASCII_Text_Preserved				
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Text_Preserved pds:instrument_host_desc 				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*
minLength	1				
pattern	\p{IsBasicLatin}*				
Used by	Element pds:Instrument_Host_PDS3/pds:instrument_host_desc				
Source	<pre><xs:simpleType name="instrument_host_desc"> <xs:annotation> <xs:documentation>The instrument_host_desc provides a description of an instrument host</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Text_Preserved"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>				

Simple Type pds:instrument_host_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The instrument_host_id attribute provides a unique identifier for the host on which an instrument is located. This host can be either a spacecraft or an earth base (e.g. earth).						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:instrument_host_id 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Instrument_Host_PDS3/pds:instrument_host_id						
Source	<pre><xs:simpleType name="instrument_host_id"> <xs:annotation> <xs:documentation>The instrument_host_id attribute provides a unique identifier for the host on which an instrument is located. This host can be either a spacecraft or an earth base (e.g. earth).</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:instrument_host_type

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The instrument_host_type attribute provides the type of host on which an instrument is based. For example instrument is located on a spacecraft instrument_host_type attribute would have the value SPACECRAFT.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:instrument_host_type 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Instrument_Host_PDS3/pds:instrument_host_type						
Source	<pre><xs:simpleType name="instrument_host_type"> <xs:annotation> <xs:documentation>The instrument_host_type attribute provides the type of host on which an instrument is based. For example instrument is located on a spacecraft instrument_host_type attribute would have the value SPACECRAFT.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

```
</xs:restriction>
</xs:simpleType>
```

Simple Type pds:instrument_name


Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The instrument_name attribute provides a unique name for an instrument.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:instrument_name 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Instrument_PDS3/pds:instrument_name						
Source	<pre><xs:simpleType name="instrument_name"> <xs:annotation> <xs:documentation>The instrument_name attribute provides a unique name for an instrument.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:instrument_desc

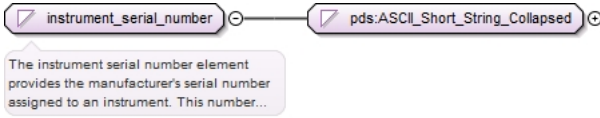
Namespace	http://pds.nasa.gov/pds4/pds/v1				
Annotations	The instrument_desc attribute describes a given instrument.				
Diagram					
Type	restriction of pds:ASCII_Text_Preserved				
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Text_Preserved pds:instrument_desc 				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*
minLength	1				
pattern	\p{IsBasicLatin}*				
Used by	Element pds:Instrument_PDS3/pds:instrument_desc				
Source	<pre><xs:simpleType name="instrument_desc"> <xs:annotation> <xs:documentation>The instrument_desc attribute describes a given instrument.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Text_Preserved"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>				

Simple Type pds:instrument_id

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The instrument id provides a formal name used to

	refer to an instrument.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:instrument_id 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Instrument_PDS3/pds:instrument_id						
Source	<pre><xs:simpleType name="instrument_id"> <xs:annotation> <xs:documentation>The instrument id provides a formal name used to refer to an instrument.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:instrument_serial_number

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The instrument serial number element provides the manufacturer's serial number assigned to an instrument. This number may be used to uniquely identify a particular instrument for tracing its components or determining its calibration history, for example.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:instrument_serial_number 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Instrument_PDS3/pds:instrument_serial_number						
Source	<pre><xs:simpleType name="instrument_serial_number"> <xs:annotation> <xs:documentation>The instrument serial number element provides the manufacturer's serial number assigned to an instrument. This number may be used to uniquely identify a particular instrument for tracing its components or determining its calibration history, for example.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:instrument_type

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The instrument_type attribute identifies the

	type of an instrument. Example values: POLARIMETER SPECTROMETER						
Diagram	<p>The instrument_type attribute identifies the type of an instrument. Example values: POLARIMETER SPECTROMETER</p>						
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:instrument_type 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Instrument_PDS3/pds:instrument_type						
Source	<pre><xs:simpleType name="instrument_type"> <xs:annotation> <xs:documentation>The instrument_type attribute identifies the type of an instrument. Example values: POLARIMETER SPECTROMETER</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:instrument_version_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The Instrument_Version_Id element identifies the specific model of an instrument used to obtain data. For example, this keyword could be used to distinguish between an engineering model of a camera used to acquire test data, and a flight model of a camera used to acquire science data during a mission.						
Diagram	<p>The Instrument_Version_Id element identifies the specific model of an instrument used to obtain data. For example, this...</p>						
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:instrument_version_id 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Instrument_PDS3/pds:instrument_version_id						
Source	<pre><xs:simpleType name="instrument_version_id"> <xs:annotation> <xs:documentation>The Instrument_Version_Id element identifies the specific model of an instrument used to obtain data. For example, this keyword could be used to distinguish between an engineering model of a camera used to acquire test data, and a flight model of a camera used to acquire science data during a mission.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType></pre>						

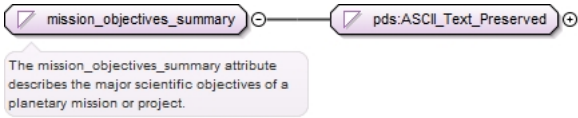
Simple Type pds:mission_name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The mission_name attribute identifies a major planetary mission or project. A given planetary mission may be associated with one or more spacecraft.						
Diagram	<p>The mission_name attribute identifies a major planetary mission or project. A given planetary mission may be associated...</p>						
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:mission_name 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Mission_PDS3/pds:mission_name						
Source	<pre><xs:simpleType name="mission_name"> <xs:annotation> <xs:documentation>The mission_name attribute identifies a major planetary mission or project. A given planetary mission may be associated with one or more spacecraft.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

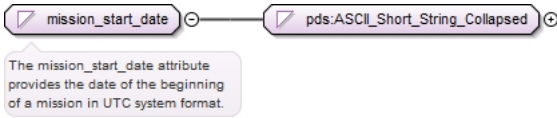
Simple Type pds:mission_desc

Namespace	http://pds.nasa.gov/pds4/pds/v1				
Annotations	The mission_desc attribute summarizes major aspects of a planetary mission or project, including the number and type of spacecraft, the target body or bodies and major accomplishments.				
Diagram	<p>The mission_desc attribute summarizes major aspects of a planetary mission or project, including the number and type of...</p>				
Type	restriction of pds:ASCII_Text_Preserved				
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Text_Preserved pds:mission_desc 				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*
minLength	1				
pattern	\p{IsBasicLatin}*				
Used by	Element pds:Mission_PDS3/pds:mission_desc				
Source	<pre><xs:simpleType name="mission_desc"> <xs:annotation> <xs:documentation>The mission_desc attribute summarizes major aspects of a planetary mission or project, including the number and type of spacecraft, the target body or bodies and major accomplishments.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Text_Preserved"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>				

Simple Type pds:mision_objectives_summary

Namespace	http://pds.nasa.gov/pds4/pds/v1				
Annotations	The mission_objectives_summary attribute describes the major scientific objectives of a planetary mission or project.				
Diagram					
Type	restriction of pds:ASCII_Text_Preserved				
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Text_Preserved pds:mision_objectives_summary 				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*
minLength	1				
pattern	\p{IsBasicLatin}*				
Used by	Element pds:Mission_PDS3/pds:mision_objectives_summary				
Source	<pre><xs:simpleType name="mission_objectives_summary"> <xs:annotation> <xs:documentation>The mission_objectives_summary attribute describes the major scientific objectives of a planetary mission or project.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Text_Preserved"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>				

Simple Type pds:mision_start_date

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The mission_start_date attribute provides the date of the beginning of a mission in UTC system format.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:mision_start_date 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Mission_PDS3/pds:mision_start_date						
Source	<pre><xs:simpleType name="mission_start_date"> <xs:annotation> <xs:documentation>The mission_start_date attribute provides the date of the beginning of a mission in UTC system format.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:mision_stop_date

Namespace	http://pds.nasa.gov/pds4/pds/v1
-----------	---------------------------------


Annotations	The mission_stop_date attribute provides the date of the end of a mission in UTC system format.						
Diagram	<p>The mission_stop_date attribute provides the date of the end of a mission in UTC system format.</p>						
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:mision_stop_date 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Mission_PDS3/pds:mision_stop_date						
Source	<pre><xs:simpleType name="mission_stop_date"> <xs:annotation> <xs:documentation>The mission_stop_date attribute provides the date of the end of a mission in UTC system format.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:manifest_checksum

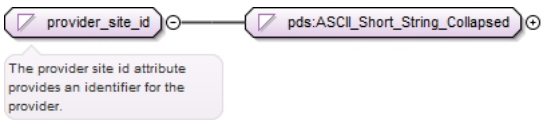
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The manifest checksum provides the checksum for the manifest file.						
Diagram	<p>The manifest checksum provides the checksum for the manifest file.</p>						
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:manifest_checksum 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Information_Package_Component_Deep_Archive/pds:manifest_checksum						
Source	<pre><xs:simpleType name="manifest_checksum"> <xs:annotation> <xs:documentation>The manifest checksum provides the checksum for the manifest file.</ </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:manifest_url

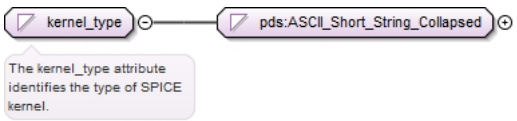
Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The manifest url provides the URL to the manifest file.

Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:manifest_url 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Information_Package_Component_Deep_Archive/pds:manifest_url						
Source	<pre><xs:simpleType name="manifest_url"> <xs:annotation> <xs:documentation>The manifest url provides the URL to the manifest file.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:provider_site_id

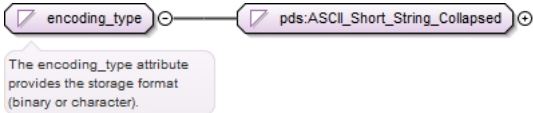
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The provider site id attribute provides an identifier for the provider.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:provider_site_id 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:SIP_Deep_Archive/pds:provider_site_id						
Source	<pre><xs:simpleType name="provider_site_id"> <xs:annotation> <xs:documentation>The provider site id attribute provides an identifier for the provider.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:kernel_type

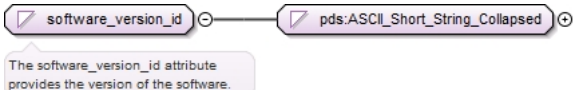
Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The kernel_type attribute identifies the type of SPICE kernel.
Diagram	

Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:kernel_type 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:SPICE_Kernel/pds:kernel_type						
Source	<pre><xs:simpleType name="kernel_type"> <xs:annotation> <xs:documentation>The kernel_type attribute identifies the type of SPICE kernel.</ xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:encoding_type

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The encoding_type attribute provides the storage format (binary or character).						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:encoding_type 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:SPICE_Kernel/pds:encoding_type						
Source	<pre><xs:simpleType name="encoding_type"> <xs:annotation> <xs:documentation>The encoding_type attribute provides the storage format (binary or character).</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:software_version_id

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The software_version_id attribute provides the version of the software.
Diagram	
Type	restriction of pds:ASCII_Short_String_Collapsed
Type hierarchy	<ul style="list-style-type: none"> • xs:token

	<ul style="list-style-type: none"> • pds:ASCII_Short_String_Collapsed • pds:software_version_id 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Software/pds:software_version_id						
Source	<pre><xs:simpleType name="software_version_id"> <xs:annotation> <xs:documentation>The software_version_id attribute provides the version of the software.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:programmers_manual_id

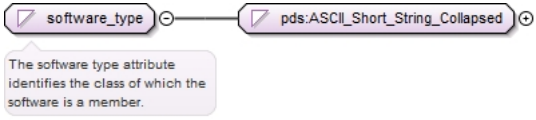
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The programmers manual id attribute provides an identifier to a document giving instruction about the programming of the software.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:programmers_manual_id 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Software/pds:programmers_manual_id						
Source	<pre><xs:simpleType name="programmers_manual_id"> <xs:annotation> <xs:documentation>The programmers manual id attribute provides an identifier to a document giving instruction about the programming of the software.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:software_id

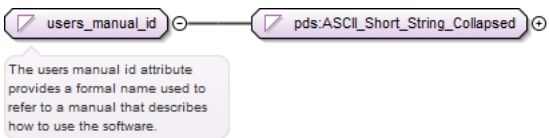
Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The software id attribute provides a formal name used to refer to the software.
Diagram	
Type	restriction of pds:ASCII_Short_String_Collapsed
Type hierarchy	<ul style="list-style-type: none"> • xs:token

	<ul style="list-style-type: none"> • pds:ASCII_Short_String_Collapsed • pds:software_id 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Software/pds:software_id						
Source	<pre><xs:simpleType name="software_id"> <xs:annotation> <xs:documentation>The software id attribute provides a formal name used to refer to the software.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:software_type

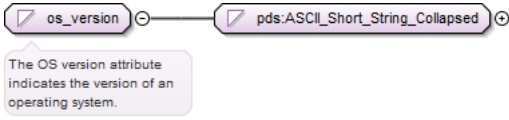
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The software type attribute identifies the class of which the software is a member.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:software_type 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Software/pds:software_type						
Source	<pre><xs:simpleType name="software_type"> <xs:annotation> <xs:documentation>The software type attribute identifies the class of which the software is a member.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:users_manual_id


Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The users manual id attribute provides a formal name used to refer to a manual that describes how to use the software.
Diagram	
Type	restriction of pds:ASCII_Short_String_Collapsed
Type hierarchy	<ul style="list-style-type: none"> • xs:token

	<ul style="list-style-type: none"> • pds:ASCII_Short_String_Collapsed • pds:users_manual_id 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Software/pds:users_manual_id						
Source	<pre><xs:simpleType name="users_manual_id"> <xs:annotation> <xs:documentation>The users manual id attribute provides a formal name used to refer to a manual that describes how to use the software.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:os_version


Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The OS version attribute indicates the version of an operating system.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:os_version 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Elements pds:Software_Binary/pds:os_version, pds:Software_Source/pds:os_version						
Source	<pre><xs:simpleType name="os_version"> <xs:annotation> <xs:documentation>The OS version attribute indicates the version of an operating system.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:program_notes_id

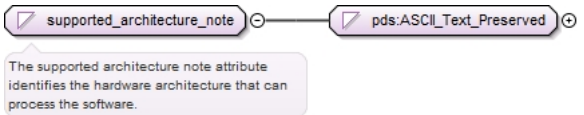
Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The program notes id attribute provides an identifier to a brief statement giving particulars about a software program.
Diagram	
Type	restriction of pds:ASCII_Short_String_Collapsed
Type hierarchy	<ul style="list-style-type: none"> • xs:token

	<ul style="list-style-type: none"> • pds:ASCII_Short_String_Collapsed • pds:program_notes_id 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Elements pds:Software_Binary/pds:program_notes_id, pds:Software_Source/pds:program_notes_id						
Source	<pre><xs:simpleType name="program_notes_id"> <xs:annotation> <xs:documentation>The program notes id attribute provides an identifier to a brief statement giving particulars about a software program.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:software_format_type

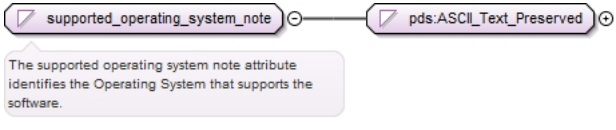
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The software format type attribute classifies the format of the software.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:software_format_type 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Elements pds:Software_Binary/pds:software_format_type, pds:Software_Source/pds:software_format_type						
Source	<pre><xs:simpleType name="software_format_type"> <xs:annotation> <xs:documentation>The software format type attribute classifies the format of the software.</ xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:supported_architecture_note

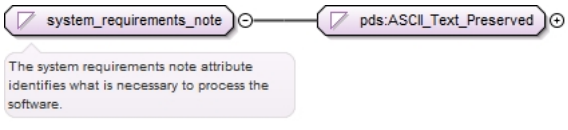
Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The supported architecture note attribute identifies the hardware architecture that can process the software.
Diagram	
Type	restriction of pds:ASCII_Text_Preserved
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved

	<ul style="list-style-type: none"> • pds:supported_architecture_note
Facets	minLength 1
	pattern \p{IsBasicLatin}*
Used by	Elements pds:Software_Binary/pds:supported_architecture_note, pds:Software_Source/pds:supported_architecture_note
Source	<pre><xs:simpleType name="supported_architecture_note"> <xs:annotation> <xs:documentation>The supported architecture note attribute identifies the hardware architecture that can process the software.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Text_Preserved"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:supported_operating_system_note

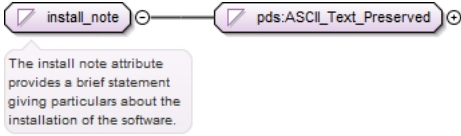
Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The supported operating system note attribute identifies the Operating System that supports the software.
Diagram	
Type	restriction of pds:ASCII_Text_Preserved
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:supported_operating_system_note
Facets	minLength 1
	pattern \p{IsBasicLatin}*
Used by	Elements pds:Software_Binary/pds:supported_operating_system_note, pds:Software_Source/pds:supported_operating_system_note
Source	<pre><xs:simpleType name="supported_operating_system_note"> <xs:annotation> <xs:documentation>The supported operating system note attribute identifies the Operating System that supports the software.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Text_Preserved"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:system_requirements_note

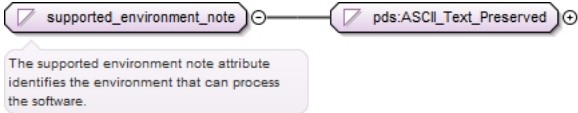
Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The system requirements note attribute identifies what is necessary to process the software.
Diagram	
Type	restriction of pds:ASCII_Text_Preserved
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:system_requirements_note
Facets	minLength 1

	pattern	\p{IsBasicLatin}*
Used by	Elements	pds:Software_Binary/pds:system_requirements_note, pds:Software_Script/ pds:system_requirements_note, pds:Software_Source/pds:system_requirements_note
Source	<pre><xs:simpleType name="system_requirements_note"> <xs:annotation> <xs:documentation>The system requirements note attribute identifies what is necessary to process the software.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Text_Preserved"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type pds:install_note

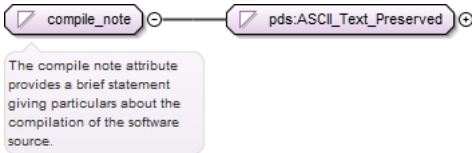
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Annotations	The install note attribute provides a brief statement giving particulars about the installation of the software.	
Diagram		
Type	restriction of pds:ASCII_Text_Preserved	
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:install_note 	
Facets	minLength	1
	pattern	\p{IsBasicLatin}*
Used by	Element	pds:Software_Script/pds:install_note
Source	<pre><xs:simpleType name="install_note"> <xs:annotation> <xs:documentation>The install note attribute provides a brief statement giving particulars about the installation of the software.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Text_Preserved"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type pds:supported_environment_note


Namespace	http://pds.nasa.gov/pds4/pds/v1	
Annotations	The supported environment note attribute identifies the environment that can process the software.	
Diagram		
Type	restriction of pds:ASCII_Text_Preserved	
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:supported_environment_note 	
Facets	minLength	1
	pattern	\p{IsBasicLatin}*
Used by	Element	pds:Software_Script/pds:supported_environment_note

Source	<pre><xs:simpleType name="supported_environment_note"> <xs:annotation> <xs:documentation>The supported environment note attribute identifies the environment that can process the software.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Text_Preserved"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>
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Simple Type pds:compile_note

Namespace	http://pds.nasa.gov/pds4/pds/v1				
Annotations	The compile note attribute provides a brief statement giving particulars about the compilation of the software source.				
Diagram					
Type	restriction of pds:ASCII_Text_Preserved				
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:compile_note 				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*
minLength	1				
pattern	\p{IsBasicLatin}*				
Used by	Element pds:Software_Source/pds:compile_note				
Source	<pre><xs:simpleType name="compile_note"> <xs:annotation> <xs:documentation>The compile note attribute provides a brief statement giving particulars about the compilation of the software source.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Text_Preserved"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>				

Simple Type pds:software_dialect


Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The software dialect attribute indicates the variety of a language used to write the software.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:software_dialect 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Software_Source/pds:software_dialect						
Source	<pre><xs:simpleType name="software_dialect"> <xs:annotation></pre>						

```

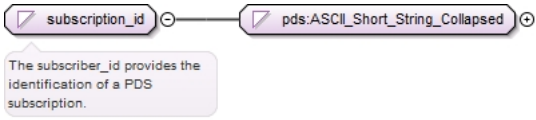
<xs:documentation>The software dialect attribute indicates the variety of a language used to
write the software.</xs:documentation>
</xs:annotation>
<xs:restriction base="pds:ASCII_Short_String_Collapsed">
  <xs:minLength value="1"/>
  <xs:maxLength value="255"/>
</xs:restriction>
</xs:simpleType>

```

Simple Type pds:software_language

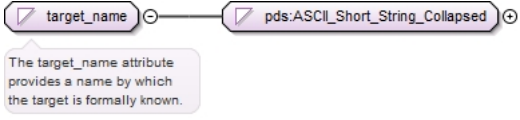
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The software language attribute identifies the language used to write the software.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:software_language 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Software_Source/pds:software_language						
Source	<pre> <xs:simpleType name="software_language"> <xs:annotation> <xs:documentation>The software language attribute identifies the language used to write the software.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType> </pre>						

Simple Type pds:subscription_id

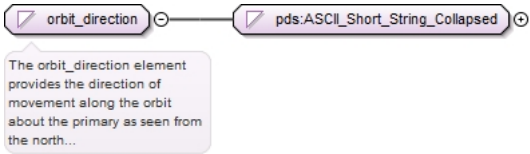
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The subscriber_id provides the identification of a PDS subscription.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:subscription_id 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Subscriber_PDS3/pds:subscription_id						
Source	<pre> <xs:simpleType name="subscription_id"> <xs:annotation> <xs:documentation>The subscriber_id provides the identification of a PDS subscription.</ xs:documentation> </xs:annotation> </pre>						

```
<xs:restriction base="pds:ASCII_Short_String_Collapsed">
  <xs:minLength value="1" />
  <xs:maxLength value="255" />
</xs:restriction>
</xs:simpleType>
```

Simple Type pds:target_name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The target_name attribute provides a name by which the target is formally known.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:target_name 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Target_PDS3/pds:target_name						
Source	<pre><xs:simpleType name="target_name"> <xs:annotation> <xs:documentation>The target_name attribute provides a name by which the target is formally known.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:orbit_direction

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The orbit_direction element provides the direction of movement along the orbit about the primary as seen from the north pole of the 'invariable plane of the solar system', which is the plane passing through the center of mass of the solar system and perpendicular to the angular momentum vector of the solar system orbit motion. PROGRADE for positive rotation according to the right-hand rule, RETROGRADE for negative rotation.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:orbit_direction 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Target_PDS3/pds:orbit_direction						
Source	<pre><xs:simpleType name="orbit_direction"></pre>						

	<pre> <xs:annotation> <xs:documentation>The orbit_direction element provides the direction of movement along the orbit about the primary as seen from the north pole of the 'invariable plane of the solar system', which is the plane passing through the center of mass of the solar system and perpendicular to the angular momentum vector of the solar system orbit motion. PROGRADE for positive rotation according to the right-hand rule, RETROGRADE for negative rotation.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType> </pre>
--	--

Simple Type pds:primary_body_name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The primary_body_name attribute identifies the primary body with which a given target body is associated as a secondary body.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed <ul style="list-style-type: none"> • pds:primary_body_name 						
Facets	<table border="1" style="width: 100%;"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Target_PDS3/pds:primary_body_name						
Source	<pre> <xs:simpleType name="primary_body_name"> <xs:annotation> <xs:documentation>The primary_body_name attribute identifies the primary body with which a given target body is associated as a secondary body.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType> </pre>						

Simple Type pds:rotation_direction

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The rotation_direction element provides the direction of rotation as viewed from the north pole of the 'invariable plane of the solar system', which is the plane passing through the center of mass of the solar system and perpendicular to the angular momentum vector of the solar system. The value for this element is PROGRADE for counter-clockwise rotation, RETROGRADE for clockwise rotation and SYNCHRONOUS for satellites which are tidally locked with the primary. Sidereal_rotation_period and rotation_direction_type are unknown for a number of satellites, and are not applicable (N/A) for satellites which are tumbling.
Diagram	
Type	restriction of pds:ASCII_Short_String_Collapsed
Type hierarchy	<ul style="list-style-type: none"> • xs:token

	<ul style="list-style-type: none"> • pds:ASCII_Short_String_Collapsed • pds:rotation_direction 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Target_PDS3/pds:rotation_direction						
Source	<pre><xs:simpleType name="rotation_direction"> <xs:annotation> <xs:documentation>The rotation_direction element provides the direction of rotation as viewed from the north pole of the 'invariable plane of the solar system', which is the plane passing through the center of mass of the solar system and perpendicular to the angular momentum vector of the solar system. The value for this element is PROGRADE for counter -clockwise rotation, RETROGRADE for clockwise rotation and SYNCHRONOUS for satellites which are tidally locked with the primary. Sidereal_rotation_period and rotation_direction_type are unknown for a number of satellites, and are not applicable (N/A) for satellites which are tumbling.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:target_desc

Namespace	http://pds.nasa.gov/pds4/pds/v1				
Annotations	The target_desc attribute describes the characteristics of a particular target.				
Diagram	<p>The target_desc attribute describes the characteristics of a particular target.</p>				
Type	restriction of pds:ASCII_Text_Preserved				
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Text_Preserved • pds:target_desc 				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*
minLength	1				
pattern	\p{IsBasicLatin}*				
Used by	Element pds:Target_PDS3/pds:target_desc				
Source	<pre><xs:simpleType name="target_desc"> <xs:annotation> <xs:documentation>The target_desc attribute describes the characteristics of a particular target.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Text_Preserved"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>				

Simple Type pds:target_type

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The target_type attribute identifies the type of a named target.
Diagram	<p>The target_type attribute identifies the type of a named target.</p>
Type	restriction of pds:ASCII_Short_String_Collapsed
Type hierarchy	<ul style="list-style-type: none"> • xs:token

	<ul style="list-style-type: none"> pds:ASCII_Short_String_Collapsed pds:target_type 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Target_PDS3/pds:target_type						
Source	<pre><xs:simpleType name="target_type"> <xs:annotation> <xs:documentation>The target_type attribute identifies the type of a named target.</ xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:date_time

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Annotations	The date_time attribute provides the date and time of an event.		
Diagram			
Type	pds:ASCII_Date_Time_YMD		
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Date_Time_YMD pds:date_time 		
Facets	<table border="1"> <tr> <td>pattern</td> <td> <pre>((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-)?[0-9] {4}-((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)([0-1] [0-9]) (2[0-3])(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T) ([0-1][0-9]) (2[0-3])): [0-5][0-9](Z?) ((-)? [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T) ([0-1][0-9]) (2[0-3])): [0-5][0-9]:([0-5][0-9]) 60)(\.[0-9]{1,4})? (Z?) ((-)?[0-9]{4}- ((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)24((:00 (:00:00))?(Z?)) ((-)? [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1])) (T)24:00:00(\.[0]{1,4})) (Z?) ((-)?[0-9]{4}- ((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z?))</pre> </td> </tr> </table>	pattern	<pre>((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-)?[0-9] {4}-((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)([0-1] [0-9]) (2[0-3])(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T) ([0-1][0-9]) (2[0-3])): [0-5][0-9](Z?) ((-)? [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T) ([0-1][0-9]) (2[0-3])): [0-5][0-9]:([0-5][0-9]) 60)(\.[0-9]{1,4})? (Z?) ((-)?[0-9]{4}- ((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)24((:00 (:00:00))?(Z?)) ((-)? [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1])) (T)24:00:00(\.[0]{1,4})) (Z?) ((-)?[0-9]{4}- ((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z?))</pre>
pattern	<pre>((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))(Z?)) ((-)?[0-9] {4}-((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)([0-1] [0-9]) (2[0-3])(Z?)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T) ([0-1][0-9]) (2[0-3])): [0-5][0-9](Z?) ((-)? [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T) ([0-1][0-9]) (2[0-3])): [0-5][0-9]:([0-5][0-9]) 60)(\.[0-9]{1,4})? (Z?) ((-)?[0-9]{4}- ((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)24((:00 (:00:00))?(Z?)) ((-)? [0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1])) (T)24:00:00(\.[0]{1,4})) (Z?) ((-)?[0-9]{4}- ((0[1-9]) (1[0-2]))- ((0[1-9]) ([1-2][0-9]) (3[0-1]))(Z?))</pre>		
Used by	Element pds:Update_Entry/pds:date_time		

Source	<pre> <xs:simpleType name="date_time"> <xs:annotation> <xs:documentation>The date_time attribute provides the date and time of an event.</ </xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Date_Time_YMD"> <!-- format="YYYY-MM-DDTHH:MM:SS.SSS(Z)" --> </xs:restriction> </xs:simpleType> </pre>
--------	---

Simple Type pds:archive_status_note

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The archive status note attribute provides a comment about the archive status.						
Diagram							
Type	restriction of pds:ASCII_Text_Preserved						
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Text_Preserved pds:archive_status_note 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Volume_PDS3/pds:archive_status_note						
Source	<pre> <xs:simpleType name="archive_status_note"> <xs:annotation> <xs:documentation>The archive status note attribute provides a comment about the archive status.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Text_Preserved"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType> </pre>						

Simple Type pds:curating_node_id

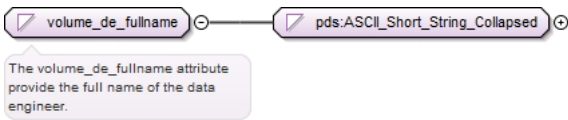
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The curating_node_id attribute provides the id of the node currently maintaining the data set or volume and is responsible for maintaining catalog information.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:curating_node_id 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Volume_PDS3/pds:curating_node_id						
Source	<pre> <xs:simpleType name="curating_node_id"> </pre>						


```

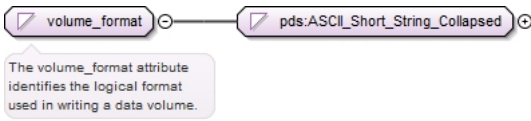
<xs:annotation>
  <xs:documentation>The curating_node_id attribute provides the id of the node currently
  maintaining the data set or volume and is responsible for maintaining catalog information.</
  xs:documentation>
</xs:annotation>
<xs:restriction base="pds:ASCII_Short_String_Collapsed">
  <xs:minLength value="1"/>
  <xs:maxLength value="255"/>
</xs:restriction>
</xs:simpleType>

```

Simple Type pds:volume_de_fullname

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The volume_de_fullname attribute provide the full name of the data engineer.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:volume_de_fullname 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Volume_PDS3/pds:volume_de_fullname						
Source	<pre> <xs:simpleType name="volume_de_fullname"> <xs:annotation> <xs:documentation>The volume_de_fullname attribute provide the full name of the data engineer.</ xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType> </pre>						

Simple Type pds:volume_format

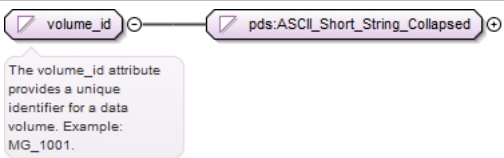
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The volume_format attribute identifies the logical format used in writing a data volume.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:volume_format 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Volume_PDS3/pds:volume_format						
Source	<pre> <xs:simpleType name="volume_format"> <xs:annotation> <xs:documentation>The volume_format attribute identifies the logical format used in writing a data volume.</xs:documentation> </xs:annotation> </xs:simpleType> </pre>						

```


</xs:annotation>
<xs:restriction base="pds:ASCII_Short_String_Collapsed">
  <xs:minLength value="1" />
  <xs:maxLength value="255" />
</xs:restriction>
</xs:simpleType>

```

Simple Type pds:volume_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The volume_id attribute provides a unique identifier for a data volume. Example: MG_1001.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:volume_id 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Volume_PDS3/pds:volume_id						
Source	<pre> <xs:simpleType name="volume_id"> <xs:annotation> <xs:documentation>The volume_id attribute provides a unique identifier for a data volume. Example: MG_1001.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType> </pre>						

Simple Type pds:volume_name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The volume_name attribute contains the name of a data volume.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:volume_name 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Volume_PDS3/pds:volume_name						
Source	<pre> <xs:simpleType name="volume_name"> <xs:annotation> <xs:documentation>The volume_name attribute contains the name of a data volume.</xs:documentation> </xs:annotation> </xs:simpleType> </pre>						

```

</xs:annotation>
<xs:restriction base="pds:ASCII_Short_String_Collapsed">
  <xs:minLength value="1" />
  <xs:maxLength value="255" />
</xs:restriction>
</xs:simpleType>

```

Simple Type pds:volume_set_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The volume_set_id attribute identifies a data volume or a set of volumes. Volume sets are normally considered as a single orderable entity. Examples: USA_NASA_PDS_MG_1001, USA_NASA_PDS_GR_0001_TO_GR_0009						
Diagram	<pre> graph LR A(volume_set_id) --- B(pds:ASCII_Short_String_Collapsed) </pre> <p>The volume_set_id attribute identifies a data volume or a set of volumes. Volume sets are normally considered as a...</p>						
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:volume_set_id 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Elements pds:Volume_PDS3/pds:volume_set_id, pds:Volume_Set_PDS3/pds:volume_set_id						
Source	<pre> <xs:simpleType name="volume_set_id"> <xs:annotation> <xs:documentation>The volume_set_id attribute identifies a data volume or a set of volumes. Volume sets are normally considered as a single orderable entity. Examples: USA_NASA_PDS_MG_1001, USA_NASA_PDS_GR_0001_TO_GR_0009</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1" /> <xs:maxLength value="255" /> </xs:restriction> </xs:simpleType> </pre>						

Simple Type pds:volume_size

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The volume size attribute provide the number of bytes in the volume.
Diagram	<pre> graph LR A(volume_size) --- B(pds:ASCII_NonNegative_Integer) </pre> <p>The volume size attribute provide the number of bytes in the volume.</p>
Type	pds:ASCII_NonNegative_Integer
Type hierarchy	<ul style="list-style-type: none"> xs:nonNegativeInteger pds:ASCII_NonNegative_Integer pds:volume_size
Used by	Element pds:Volume_PDS3/pds:volume_size
Source	<pre> <xs:simpleType name="volume_size"> <xs:annotation> <xs:documentation>The volume size attribute provide the number of bytes in the volume.</ </xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_NonNegative_Integer"> </xs:restriction> </xs:simpleType> </pre>

Simple Type pds:volume_version_id

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The volume_version_id attribute identifies the version of a data volume. All original volumes should use a volume_version_id of 'Version 1'.						
Diagram	<p>The volume_version_id attribute identifies the version of a data volume. All original volumes should use a...</p>						
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:volume_version_id 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Volume_PDS3/pds:volume_version_id						
Source	<pre><xs:simpleType name="volume_version_id"> <xs:annotation> <xs:documentation>The volume_version_id attribute identifies the version of a data volume. All original volumes should use a volume_version_id of 'Version 1'.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:volume_series_name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The volume_series_name element provides a full, formal name that describes a broad categorization of data products or data sets related to a planetary body or a research campaign (e.g. International Halley Watch). A volume series consists of one or more volume sets that represent data from one or more missions or campaigns.						
Diagram	<p>The volume_series_name element provides a full, formal name that describes a broad categorization of data products or...</p>						
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:volume_series_name 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Volume_Set_PDS3/pds:volume_series_name						
Source	<pre><xs:simpleType name="volume_series_name"> <xs:annotation> <xs:documentation>The volume_series_name element provides a full, formal name that describes a broad categorization of data products or data sets related to a planetary body or a research campaign (e.g. International Halley Watch). A volume series consists of one or more volume sets that represent data from one or more missions or campaigns.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"></pre>						

```

<xs:minLength value="1"/>
<xs:maxLength value="255"/>
</xs:restriction>
</xs:simpleType>

```

Simple Type pds:volume_set_name

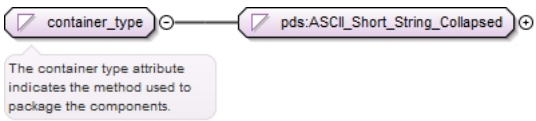
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The volume_set_name element provides the full, formal name of one or more data volumes containing a single data set or a collection of related data sets. Volume sets are normally considered as a single orderable entity.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:volume_set_name 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Volume_Set_PDS3/pds:volume_set_name						
Source	<pre> <xs:simpleType name="volume_set_name"> <xs:annotation> <xs:documentation>The volume_set_name element provides the full, formal name of one or more data volumes containing a single data set or a collection of related data sets. Volume sets are normally considered as a single orderable entity.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType> </pre>						

Simple Type pds:volumes

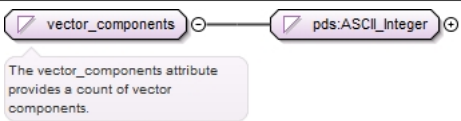
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Annotations	The volumes element provides the number of physical data volumes contained in a volume set.		
Diagram			
Type	restriction of pds:ASCII_Integer		
Type hierarchy	<ul style="list-style-type: none"> xs:integer pds:ASCII_Integer pds:volumes 		
Facets	<table border="1"> <tr> <td>minInclusive</td> <td>0</td> </tr> </table>	minInclusive	0
minInclusive	0		
Used by	Element pds:Volume_Set_PDS3/pds:volumes		
Source	<pre> <xs:simpleType name="volumes"> <xs:annotation> <xs:documentation>The volumes element provides the number of physical data volumes contained in a volume set.</xs:documentation> </xs:annotation> </pre>		

```
<xs:restriction base="pds:ASCII_Integer">
  <xs:minInclusive value="0"/>
</xs:restriction>
</xs:simpleType>
```

Simple Type pds:container_type

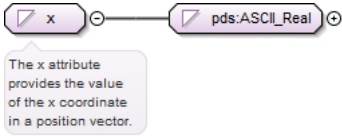
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The container type attribute indicates the method used to package the components.						
Diagram							
Type	restriction of pds:ASCII_Short_String_Collapsed						
Type hierarchy	<ul style="list-style-type: none"> xs:token pds:ASCII_Short_String_Collapsed pds:container_type 						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Used by	Element pds:Zip/pds:container_type						
Source	<pre><xs:simpleType name="container_type"> <xs:annotation> <xs:documentation>The container type attribute indicates the method used to package the components.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Short_String_Collapsed"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:vector_components

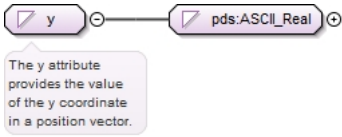
Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The vector_components attribute provides a count of vector components.
Diagram	
Type	pds:ASCII_Integer
Type hierarchy	<ul style="list-style-type: none"> xs:integer pds:ASCII_Integer pds:vector_components
Used by	Element pds:Vector/pds:vector_components
Source	<pre><xs:simpleType name="vector_components"> <xs:annotation> <xs:documentation>The vector_components attribute provides a count of vector components.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Integer"> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:x

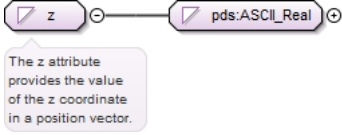
Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The x attribute provides the value of the x

	coordinate in a position vector.
Diagram	
Type	pds:ASCII_Real
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:x
Used by	Elements pds:Vector_Cartesian_3/pds:x, pds:Vector_Cartesian_3_Acceleration/pds:x, pds:Vector_Cartesian_3_Pointing/pds:x, pds:Vector_Cartesian_3_Position/pds:x, pds:Vector_Cartesian_3_Velocity/pds:x
Source	<pre> <xs:simpleType name="x"> <xs:annotation> <xs:documentation>The x attribute provides the value of the x coordinate in a position vector.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Real"> </xs:restriction> </xs:simpleType> </pre>

Simple Type pds : y

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The y attribute provides the value of the y coordinate in a position vector.
Diagram	
Type	pds:ASCII_Real
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:y
Used by	Elements pds:Vector_Cartesian_3/pds:y, pds:Vector_Cartesian_3_Acceleration/pds:y, pds:Vector_Cartesian_3_Pointing/pds:y, pds:Vector_Cartesian_3_Position/pds:y, pds:Vector_Cartesian_3_Velocity/pds:y
Source	<pre> <xs:simpleType name="y"> <xs:annotation> <xs:documentation>The y attribute provides the value of the y coordinate in a position vector.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Real"> </xs:restriction> </xs:simpleType> </pre>

Simple Type pds : z

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The z attribute provides the value of the z coordinate in a position vector.
Diagram	
Type	pds:ASCII_Real
Type hierarchy	<ul style="list-style-type: none"> • xs:double

	<ul style="list-style-type: none"> • pds:ASCII_Real • pds:z
Used by	<p>Elements</p> <p>pds:Vector_Cartesian_3/pds:z, pds:Vector_Cartesian_3_Acceleration/pds:z, pds:Vector_Cartesian_3_Pointing/pds:z, pds:Vector_Cartesian_3_Position/pds:z, pds:Vector_Cartesian_3_Velocity/pds:z</p>
Source	<pre><xs:simpleType name="z"> <xs:annotation> <xs:documentation>The z attribute provides the value of the z coordinate in a position vector.</xs:documentation> </xs:annotation> <xs:restriction base="pds:ASCII_Real"> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:ASCII_DOI

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of xs:string
Facets	<p>pattern</p> <p>10\\.\\S+\\/\\S+</p>
Source	<pre><xs:simpleType name="ASCII_DOI"> <xs:restriction base="xs:string"> <xs:pattern value="10\\.\\S+\\/\\S+"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:ASCII_Date

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of xs:string
Facets	<p>pattern</p> <p>((-)?[0-9]{4}) ((-)?[0-9]{4}-(00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((0[0-5][0-9]) (6[0-6]))) ((-)?[0-9]{4}-(0[1-9]) (1[0-2]))) ((-)?[0-9]{4}-(0[1-9]) (1[0-2]) ([1-2][0-9]) (3[0-1]))</p>
Source	<pre><xs:simpleType name="ASCII_Date"> <xs:restriction base="xs:string"> <xs:pattern value="(-)?[0-9]{4}"/> <xs:pattern value="(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((0[0-5][0-9]) (6[0-6]))) ((-)?[0-9]{4}-(0[1-9]) (1[0-2]))) ((-)?[0-9]{4}-(0[1-9]) (1[0-2]) ([1-2][0-9]) (3[0-1]))"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:ASCII_Date_DOY

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of xs:string

Facets	<p>pattern</p> <pre>((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-((00[1-9]) 0[1-9][0-9]) ([1-2][0-9][0-9]) (3((0-5)[0-9]) (6[0-6]))))(Z?)</pre>
Source	<pre><xs:simpleType name="ASCII_Date_DOY"> <xs:restriction base="xs:string"> <xs:pattern value="(-)?[0-9]{4}(Z?)" /> <xs:pattern value="(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((0-5)[0-9]) (6[0-6]))))(Z?)" /> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:ASCII_Date_Time_DOY

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of xs:string
Facets	<p>pattern</p> <pre>((-)?[0-9]{4}(Z?)) ((-)?[0-9]{4}-((00[1-9]) 0[1-9][0-9]) ([1-2][0-9][0-9]) (3((0-5)[0-9]) (6[0-6]))))(T) ([0-1][0-9]) (2[0-3])):[0-5][0-9](Z?) ((-)?[0-9]{4}-((00[1-9]) 0[1-9][0-9]) ([1-2][0-9][0-9]) (3((0-5)[0-9]) (6[0-6]))))(T) ([0-1][0-9]) (2[0-3])):[0-5][0-9]:((0-5)[0-9]) 60)(\.[0-9]{1,4})?(Z?) ((-)?[0-9]{4}-((00[1-9]) 0[1-9][0-9]) ([1-2][0-9][0-9]) (3((0-5)[0-9]) (6[0-6]))))(T) ([0-1][0-9]) (2[0-4]))(Z?) ((-)?[0-9]{4}-((00[1-9]) 0[1-9][0-9]) ([1-2][0-9][0-9]) (3((0-5)[0-9]) (6[0-6]))))(T)24((:00) (:00:00))?(Z?) ((-)?[0-9]{4}-((00[1-9]) 0[1-9][0-9]) ([1-2][0-9][0-9]) (3((0-5)[0-9]) (6[0-6]))))(T)24:00:00(\.[0]{1,4})?(Z?) ((-)?[0-9]{4}-((00[1-9]) 0[1-9][0-9]) ([1-2][0-9][0-9]) (3((0-5)[0-9]) (6[0-6]))))(Z?) ((-)?[0-9]{4}-((00[1-9]) 0[1-9][0-9]) ([1-2][0-9][0-9]) (3((0-5)[0-9]) (6[0-6]))))(Z?) ((-)?[0-9]{4}-((00[1-9]) 0[1-9][0-9]) ([1-2][0-9][0-9]) (3((0-5)[0-9]) (6[0-6]))))(Z?) ([1-2][0-9]) (3[0-1]))(T) ([0-1][0-9]) (2[0-3])):[0-5][0-9](Z?)</pre>
Source	<pre><xs:simpleType name="ASCII_Date_Time_DOY"> <xs:restriction base="xs:string"> <xs:pattern value="(-)?[0-9]{4}(Z?)" /> <xs:pattern value="(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((0-5)[0-9]) (6[0-6]))))(T) ([0-1][0-9]) (2[0-3])):[0-5][0-9](Z?)" /> <xs:pattern value="(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((0-5)[0-9]) (6[0-6]))))(T) ([0-1][0-9]) (2[0-4]))(Z?)" /> <xs:pattern value="(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((0-5)[0-9]) (6[0-6]))))(T)24((:00) (:00:00))?(Z?)" /> </xs:restriction> </xs:simpleType></pre>

```

<xs:pattern value="(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3((([0-5][0-9])|(6[0-6]))))(T)24:00:00(\.([0]{1,4}))?(Z?)" />
<xs:pattern value="(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3((([0-5][0-9])|(6[0-6]))))(Z?)" />
<xs:pattern value="(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9](Z?)" />
</xs:restriction>
</xs:simpleType>

```

Simple Type pds:ASCII_Date_Time_DOY_UTC

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of xs:string
Facets	<p>pattern</p> <pre> ((-)?[0-9]{4}(Z)) ((-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6]))))(T)24:00:00(\.([0]{1,4}))?(Z?))):([0-1][0-9]) (2[0-3])):[0-5][0-9](Z)) ((-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6]))))(Z?)))(T)(([0-1][0-9]) (2[0-3])):[0-5][0-9]:((([0-5][0-9]) 60)(\.[0-9]{1,4}))?(Z)) ((-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6]))))(T)(([0-1][0-9]) (2[0-3])):[0-5][0-9]:((([0-5][0-9]) 60)(\.[0-9]{1,4}))?(Z)) ((-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6]))))(T)24((:00 :00:00)?(Z)) ((-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6]))))(T)24:00:00(\.[0]{1,4}))?(Z)) ((-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6]))))(Z)) ((-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1][0-9]) (2[0-3])):[0-5][0-9](Z)) </pre>
Source	<pre> <xs:simpleType name="ASCII_Date_Time_DOY_UTC"> <xs:restriction base="xs:string"> <xs:pattern value="(-)?[0-9]{4}(Z)" /> <xs:pattern value="(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6]))))(T)(([0-1][0-9]) (2[0-3])):[0-5][0-9](Z)" /> <xs:pattern value="(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6]))))(T)(([0-1][0-9]) (2[0-3])):[0-5][0-9]:([0-5][0-9]) 60)(\.[0-9]{1,4}))?(Z)" /> <xs:pattern value="(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6]))))(T)(([0-1][0-9]) (2[0-4]))(Z)" /> <xs:pattern value="(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6]))))(T)24((:00 :00:00)?(Z))" /> <xs:pattern value="(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6]))))(T)24:00:00(\.[0]{1,4}))?(Z)" /> <xs:pattern value="(-)?[0-9]{4}-((00[1-9]) (0[1-9][0-9]) ([1-2][0-9][0-9]) (3((([0-5][0-9]) (6[0-6]))))(Z))" /> <xs:pattern value="(-)?[0-9]{4}-((0[1-9]) (1[0-2]))-((0[1-9]) ([1-2][0-9]) (3[0-1]))(T)(([0-1][0-9]) (2[0-3])):[0-5][0-9](Z)" /> </xs:restriction> </xs:simpleType> </pre>

</xs:simpleType>

Simple Type pds:ASCII_Date_Time_UTC


Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of xs:string
Facets	<p>pattern</p> <pre>() ((-) ? [0 - 9] { 4 } (Z)) ((-) ? [0 - 9] { 4 } - ((0 0 [1 - 9]) (0 [1 - 9] [0 - 9]) ([1 - 2] [0 - 9] [0 - 9]) (3 (([0 - 5] [0 - 9]) (6 [0 - 6])))) (T) (([0 - 1] [0 - 9]) (2 [0 - 3])) : [0 - 5] [0 - 9] (Z)) ((-) ? [0 - 9] { 4 } - ((0 0 [1 - 9]) (0 [1 - 9] [0 - 9]) ([1 - 2] [0 - 9] [0 - 9]) (3 (([0 - 5] [0 - 9]) (6 [0 - 6]))))) (T) (([0 - 1] [0 - 9]) (2 [0 - 3])) : [0 - 5] [0 - 9] : (([0 - 5] [0 - 9]) 6 0) (\ . ([0 - 9] { 1 , 4 })) ? (Z)) ((-) ? [0 - 9] { 4 } - ((0 0 [1 - 9]) (0 [1 - 9] [0 - 9]) ([1 - 2] [0 - 9] [0 - 9]) (3 (([0 - 5] [0 - 9]) (6 [0 - 6]))))) (T) (([0 - 1] [0 - 9]) (2 [0 - 4])) (Z)) ((-) ? [0 - 9] { 4 } - ((0 0 [1 - 9]) (0 [1 - 9] [0 - 9]) ([1 - 2] [0 - 9] [0 - 9]) (3 (([0 - 5] [0 - 9]) (6 [0 - 6]))))) (T) 2 4 : 0 0 ((: 0 0 ((\ . 0 +) ?) ?) (Z)) ((-) ? [0 - 9] { 4 } - ((0 0 [1 - 9]) (0 [1 - 9] [0 - 9]) ([1 - 2] [0 - 9] [0 - 9]) (3 (([0 - 5] [0 - 9]) (6 [0 - 6]))))) (Z)) ((-) ? [0 - 9] { 4 } - ((0 [1 - 9]) (1 [0 - 2]))) (Z)) ((-) ? [0 - 9] { 4 } - ((0 [1 - 9]) (1 [0 - 2])) - ((0 [1 - 9]) ([1 - 2] [0 - 9]) (3 [0 - 1]))) (T) (([0 - 1] [0 - 9]) (2 [0 - 3])) : [0 - 5] [0 - 9] (Z)) ((-) ? [0 - 9] { 4 } - ((0 [1 - 9]) (1 [0 - 2])) - ((0 [1 - 9]) ([1 - 2] [0 - 9]) (3 [0 - 1]))) (T) (([0 - 1] [0 - 9]) (2 [0 - 3])) : [0 - 5] [0 - 9] : (([0 - 5] [0 - 9]) 6 0) (\ . ([0 - 9] { 1 , 4 })) ? (Z)) ((-) ? [0 - 9] { 4 } - ((0 [1 - 9]) (1 [0 - 2])) - ((0 [1 - 9]) ([1 - 2] [0 - 9]) (3 [0 - 1]))) (T) (([0 - 1] [0 - 9]) (2 [0 - 4])) (Z)) ((-) ? [0 - 9] { 4 } - ((0 [1 - 9]) (1 [0 - 2])) - ((0 [1 - 9]) ([1 - 2] [0 - 9]) (3 [0 - 1]))) (T) 2 4 : 0 0 ((: 0 0 ((\ . 0 +) ?) ?) (Z)) ((-) ? [0 - 9] { 4 } - ((0 [1 - 9]) (1 [0 - 2])) - ((0 [1 - 9]) ([1 - 2] [0 - 9]) (3 [0 - 1]))) (Z))</pre>
Source	<pre><xs:simpleType name="ASCII_Date_Time_UTC"> <xs:restriction base="xs:string"> <xs:pattern value="" /> <xs:pattern value="(-) ? [0 - 9] { 4 } (Z) " /> <xs:pattern value="(-) ? [0 - 9] { 4 } - ((0 0 [1 - 9]) (0 [1 - 9] [0 - 9]) ([1 - 2] [0 - 9] [0 - 9]) (3 (([0 - 5] [0 - 9]) (6 [0 - 6])))) (T) (([0 - 1] [0 - 9]) (2 [0 - 3])) : [0 - 5] [0 - 9] (Z) " /></pre>

```

<xs:pattern value="(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3((([0-5][0-9])|(6[0-6])))|(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9]:((([0-5][0-9])|60)(\.(0-9){1,4}))?(Z))"/>
<xs:pattern value="(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3((([0-5][0-9])|(6[0-6])))|(T)(([0-1][0-9])|(2[0-4]))(Z))"/>
<xs:pattern value="(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3((([0-5][0-9])|(6[0-6])))|(T)24:00((:00(\.0+)?))?(Z))"/>
<xs:pattern value="(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3((([0-5][0-9])|(6[0-6])))|(Z))"/>
<xs:pattern value="(-)?[0-9]{4}-((0[1-9])|(1[0-2]))(Z))"/>
<xs:pattern value="(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9](Z))"/>
<xs:pattern value="(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9]:((([0-5][0-9])|60)(\.(0-9){1,4}))?(Z))"/>
<xs:pattern value="(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)(([0-1][0-9])|(2[0-4]))(Z))"/>
<xs:pattern value="(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)24:00((:00(\.0+)?))?(Z))"/>
<xs:pattern value="(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(Z))"/>
</xs:restriction>
</xs:simpleType>

```


Simple Type pds:ASCII_Directory_Path_Name

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	restriction of xs:token						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre> <xs:simpleType name="ASCII_Directory_Path_Name"> <xs:restriction base="xs:token"> <xs:minLength value="1"/> <xs:maxLength value="255"/> <xs:pattern value="\p{IsBasicLatin}*" /> </xs:restriction> </xs:simpleType> </pre>						

Simple Type pds:ASCII_File_Name

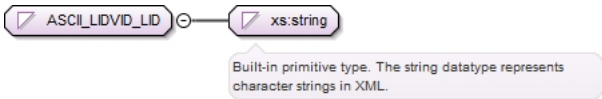
Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	restriction of xs:token						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre> <xs:simpleType name="ASCII_File_Name"> <xs:restriction base="xs:token"> <xs:minLength value="1"/> <xs:maxLength value="255"/> <xs:pattern value="\p{IsBasicLatin}*" /> </xs:restriction> </xs:simpleType> </pre>						

Simple Type pds:ASCII_File_Specification_Name

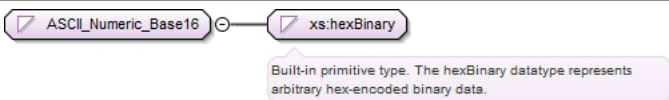
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	

Type	restriction of xs:token
Facets	minLength 1
	maxLength 255
	pattern \p{IsBasicLatin}*
Source	<pre><xs:simpleType name="ASCII_File_Specification_Name"> <xs:restriction base="xs:token"> <xs:minLength value="1"/> <xs:maxLength value="255"/> <xs:pattern value="\p{IsBasicLatin}*" /> </xs:restriction> </xs:simpleType></pre>

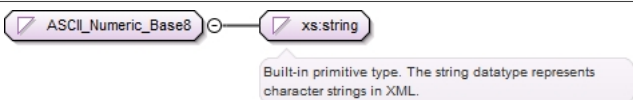
Simple Type pds:ASCII_LIDVID_LID

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of xs:string
Facets	minLength 14
	maxLength 255
	pattern \p{IsBasicLatin}*
Source	<pre><xs:simpleType name="ASCII_LIDVID_LID"> <xs:restriction base="xs:string"> <xs:minLength value="14"/> <xs:maxLength value="255"/> <xs:pattern value="\p{IsBasicLatin}*" /> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:ASCII_Numeric_Base16

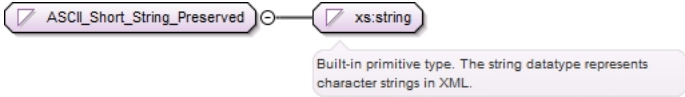
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of xs:hexBinary
Facets	minLength 1
	maxLength 255
Source	<pre><xs:simpleType name="ASCII_Numeric_Base16"> <xs:restriction base="xs:hexBinary"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:ASCII_Numeric_Base8

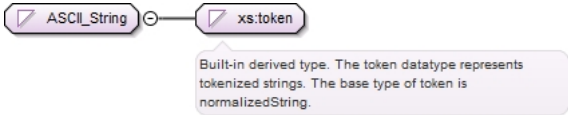
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of xs:string
Facets	minLength 1
	maxLength 255
	pattern [0-7]{1,255}
Source	<pre><xs:simpleType name="ASCII_Numeric_Base8"> <xs:restriction base="xs:string"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>

```
<xs:maxLength value="255"/>
<xs:pattern value="[0-7]{1,255}"/>
</xs:restriction>
</xs:simpleType>
```

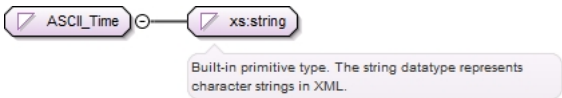
Simple Type pds:ASCII_Short_String_Preserved

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	restriction of xs:string						
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	maxLength	255	pattern	\p{IsBasicLatin}*
minLength	1						
maxLength	255						
pattern	\p{IsBasicLatin}*						
Source	<pre><xs:simpleType name="ASCII_Short_String_Preserved"> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="255"/> <xs:pattern value="\p{IsBasicLatin}*" /> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:ASCII_String

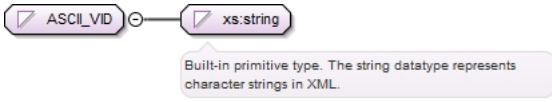
Namespace	http://pds.nasa.gov/pds4/pds/v1				
Diagram					
Type	restriction of xs:token				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>pattern</td> <td>\p{IsBasicLatin}*</td> </tr> </table>	minLength	1	pattern	\p{IsBasicLatin}*
minLength	1				
pattern	\p{IsBasicLatin}*				
Source	<pre><xs:simpleType name="ASCII_String"> <xs:restriction base="xs:token"> <xs:minLength value="1"/> <xs:pattern value="\p{IsBasicLatin}*" /> </xs:restriction> </xs:simpleType></pre>				

Simple Type pds:ASCII_Time

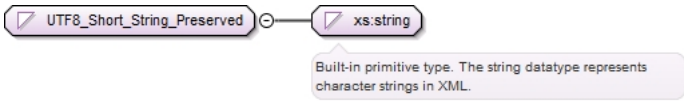
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	restriction of xs:string		
Facets	<table border="1"> <tr> <td>pattern</td> <td> <pre>((([0-1][0-9]) (2[0-3])):[0-5][0-9] (Z?)) ((([0-1][0-9]) (2[0-3])):[0-5][0-9]: ((([0-5][0-9]) 60)(\. [0-9]+)) (Z?)) ((([0-1] [0-9]) (2[0-4]))(Z?)) (24:00((:00(\.0+)))) (Z?))</pre> </td> </tr> </table>	pattern	<pre>((([0-1][0-9]) (2[0-3])):[0-5][0-9] (Z?)) ((([0-1][0-9]) (2[0-3])):[0-5][0-9]: ((([0-5][0-9]) 60)(\. [0-9]+)) (Z?)) ((([0-1] [0-9]) (2[0-4]))(Z?)) (24:00((:00(\.0+)))) (Z?))</pre>
pattern	<pre>((([0-1][0-9]) (2[0-3])):[0-5][0-9] (Z?)) ((([0-1][0-9]) (2[0-3])):[0-5][0-9]: ((([0-5][0-9]) 60)(\. [0-9]+)) (Z?)) ((([0-1] [0-9]) (2[0-4]))(Z?)) (24:00((:00(\.0+)))) (Z?))</pre>		
Source	<pre><xs:simpleType name="ASCII_Time"> <xs:restriction base="xs:string"> <xs:pattern value="((([0-1][0-9]) (2[0-3])):[0-5][0-9](Z?))"/> <xs:pattern value="((([0-1][0-9]) (2[0-3])):[0-5][0-9]:((([0-5][0-9]) 60)(\. [0-9]+)) (Z?)) ((([0-1] [0-9]) (2[0-4]))(Z?)) (24:00((:00(\.0+)))) (Z?))"/> </xs:restriction> </xs:simpleType></pre>		

</xs:simpleType>

Simple Type pds:ASCII_VID

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	restriction of xs:string						
Facets	<table border="1"> <tr> <td>minLength</td> <td>3</td> </tr> <tr> <td>maxLength</td> <td>100</td> </tr> <tr> <td>pattern</td> <td>(0\.[0-9]+) ([0-9]+)</td> </tr> </table>	minLength	3	maxLength	100	pattern	(0\.[0-9]+) ([0-9]+)
minLength	3						
maxLength	100						
pattern	(0\.[0-9]+) ([0-9]+)						
Source	<pre><xs:simpleType name="ASCII_VID"> <xs:restriction base="xs:string"> <xs:minLength value="3"/> <xs:maxLength value="100"/> <xs:pattern value="0\.[0-9]+ ([0-9]+)"/> </xs:restriction> </xs:simpleType></pre>						

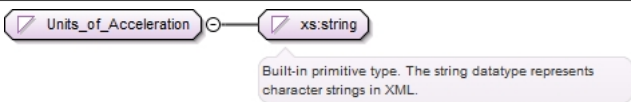
Simple Type pds:UTF8_Short_String_Preserved

Namespace	http://pds.nasa.gov/pds4/pds/v1				
Diagram					
Type	restriction of xs:string				
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> <tr> <td>maxLength</td> <td>255</td> </tr> </table>	minLength	1	maxLength	255
minLength	1				
maxLength	255				
Source	<pre><xs:simpleType name="UTF8_Short_String_Preserved"> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType></pre>				

Simple Type pds:UTF8_String

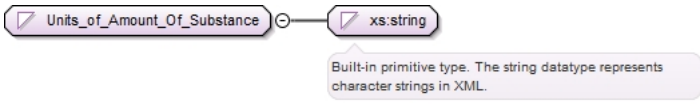
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	restriction of xs:token		
Facets	<table border="1"> <tr> <td>minLength</td> <td>1</td> </tr> </table>	minLength	1
minLength	1		
Source	<pre><xs:simpleType name="UTF8_String"> <xs:restriction base="xs:token"> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType></pre>		

Simple Type pds:Units_of_Acceleration

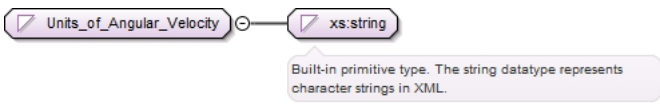
Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	

Type	restriction of xs:string
Facets	enumeration cm/s**2
	enumeration km/s**2
	enumeration m/s**2
Source	<pre><xs:simpleType name="Units_of_Acceleration"> <xs:restriction base="xs:string"> <xs:enumeration value="cm/s**2"/> <xs:enumeration value="km/s**2"/> <xs:enumeration value="m/s**2"/> </xs:restriction> </xs:simpleType></pre>

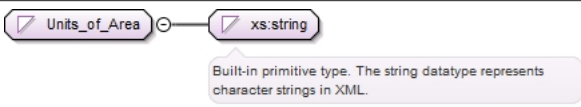
Simple Type pds:Units_of_Amount_Of_Substance

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of xs:string
Facets	enumeration mol
Source	<pre><xs:simpleType name="Units_of_Amount_Of_Substance"> <xs:restriction base="xs:string"> <xs:enumeration value="mol"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:Units_of_Angular_Velocity

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of xs:string
Facets	enumeration deg/day
	enumeration deg/s
	enumeration rad/s
Source	<pre><xs:simpleType name="Units_of_Angular_Velocity"> <xs:restriction base="xs:string"> <xs:enumeration value="deg/day"/> <xs:enumeration value="deg/s"/> <xs:enumeration value="rad/s"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:Units_of_Area

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of xs:string
Facets	enumeration m**2
Source	<pre><xs:simpleType name="Units_of_Area"> <xs:restriction base="xs:string"> <xs:enumeration value="m**2"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:Units_of_Current

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram					
Type	restriction of xs:string				
Facets	<table border="1"> <tr> <td>enumeration</td> <td>A</td> </tr> <tr> <td>enumeration</td> <td>mA</td> </tr> </table>	enumeration	A	enumeration	mA
enumeration	A				
enumeration	mA				
Source	<pre><xs:simpleType name="Units_of_Current"> <xs:restriction base="xs:string"> <xs:enumeration value="A"/> <xs:enumeration value="mA"/> </xs:restriction> </xs:simpleType></pre>				

Simple Type pds:Units_of_Frame_Rate

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of xs:string
Facets	enumeration frames/s
Source	<pre><xs:simpleType name="Units_of_Frame_Rate"> <xs:restriction base="xs:string"> <xs:enumeration value="frames/s"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:Units_of_Frequency

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of xs:string
Facets	enumeration Hz
Source	<pre><xs:simpleType name="Units_of_Frequency"> <xs:restriction base="xs:string"> <xs:enumeration value="Hz"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:Units_of_Mass

Namespace	http://pds.nasa.gov/pds4/pds/v1				
Diagram					
Type	restriction of xs:string				
Facets	<table border="1"> <tr> <td>enumeration</td> <td>g</td> </tr> <tr> <td>enumeration</td> <td>kg</td> </tr> </table>	enumeration	g	enumeration	kg
enumeration	g				
enumeration	kg				
Source	<pre><xs:simpleType name="Units_of_Mass"> <xs:restriction base="xs:string"> <xs:enumeration value="g"/> <xs:enumeration value="kg"/> </xs:restriction> </xs:simpleType></pre>				

Simple Type pds:Units_of_Misc

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram							
Type	restriction of xs:string						
Facets	<table border="1"> <tr> <td>enumeration</td> <td>DN</td> </tr> <tr> <td>enumeration</td> <td>electron/DN</td> </tr> <tr> <td>enumeration</td> <td>pixel</td> </tr> </table>	enumeration	DN	enumeration	electron/DN	enumeration	pixel
enumeration	DN						
enumeration	electron/DN						
enumeration	pixel						
Source	<pre><xs:simpleType name="Units_of_Misc"> <xs:restriction base="xs:string"> <xs:enumeration value="DN"/> <xs:enumeration value="electron/DN"/> <xs:enumeration value="pixel"/> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:Units_of_None

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of xs:string
Facets	enumeration none
Source	<pre><xs:simpleType name="Units_of_None"> <xs:restriction base="xs:string"> <xs:enumeration value="none"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:Units_of_Optical_Path_Length

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of xs:string
Facets	enumeration airmass
Source	<pre><xs:simpleType name="Units_of_Optical_Path_Length"> <xs:restriction base="xs:string"> <xs:enumeration value="airmass"/> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:Units_of_Pressure

Namespace	http://pds.nasa.gov/pds4/pds/v1								
Diagram									
Type	restriction of xs:string								
Facets	<table border="1"> <tr> <td>enumeration</td> <td>Pa</td> </tr> <tr> <td>enumeration</td> <td>bar</td> </tr> <tr> <td>enumeration</td> <td>hPa</td> </tr> <tr> <td>enumeration</td> <td>mbar</td> </tr> </table>	enumeration	Pa	enumeration	bar	enumeration	hPa	enumeration	mbar
enumeration	Pa								
enumeration	bar								
enumeration	hPa								
enumeration	mbar								
Source	<pre><xs:simpleType name="Units_of_Pressure"> <xs:restriction base="xs:string"> <xs:enumeration value="Pa"/> <xs:enumeration value="bar"/> <xs:enumeration value="hPa"/> </xs:restriction> </xs:simpleType></pre>								

	<pre><xs:enumeration value="mbar" /> </xs:restriction> </xs:simpleType></pre>
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Simple Type pds:Units_of_Radiance

Namespace	http://pds.nasa.gov/pds4/pds/v1				
Diagram	<p>Built-in primitive type. The string datatype represents character strings in XML.</p>				
Type	restriction of xs:string				
Facets	<table border="1"> <tr> <td>enumeration</td> <td>$W*m^{**2}*sr^{**1}$</td> </tr> <tr> <td>enumeration</td> <td>$W/(m^{**2}*sr)$</td> </tr> </table>	enumeration	$W*m^{**2}*sr^{**1}$	enumeration	$W/(m^{**2}*sr)$
enumeration	$W*m^{**2}*sr^{**1}$				
enumeration	$W/(m^{**2}*sr)$				
Source	<pre><xs:simpleType name="Units_of_Radiance"> <xs:restriction base="xs:string"> <xs:enumeration value="W*m^{**2}*sr^{**1}" /> <xs:enumeration value="W/(m^{**2}*sr)" /> </xs:restriction> </xs:simpleType></pre>				

Simple Type pds:Units_of_Rates

Namespace	http://pds.nasa.gov/pds4/pds/v1				
Diagram	<p>Built-in primitive type. The string datatype represents character strings in XML.</p>				
Type	restriction of xs:string				
Facets	<table border="1"> <tr> <td>enumeration</td> <td>counts/bin</td> </tr> <tr> <td>enumeration</td> <td>kilobits/s</td> </tr> </table>	enumeration	counts/bin	enumeration	kilobits/s
enumeration	counts/bin				
enumeration	kilobits/s				
Source	<pre><xs:simpleType name="Units_of_Rates"> <xs:restriction base="xs:string"> <xs:enumeration value="counts/bin" /> <xs:enumeration value="kilobits/s" /> </xs:restriction> </xs:simpleType></pre>				

Simple Type pds:Units_of_Solid_Angle

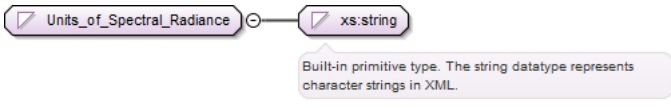
Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram	<p>Built-in primitive type. The string datatype represents character strings in XML.</p>		
Type	restriction of xs:string		
Facets	<table border="1"> <tr> <td>enumeration</td> <td>sr</td> </tr> </table>	enumeration	sr
enumeration	sr		
Source	<pre><xs:simpleType name="Units_of_Solid_Angle"> <xs:restriction base="xs:string"> <xs:enumeration value="sr" /> </xs:restriction> </xs:simpleType></pre>		

Simple Type pds:Units_of_Spectral_Irradiance

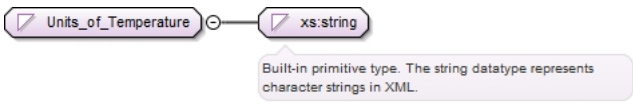
Namespace	http://pds.nasa.gov/pds4/pds/v1				
Diagram	<p>Built-in primitive type. The string datatype represents character strings in XML.</p>				
Type	restriction of xs:string				
Facets	<table border="1"> <tr> <td>enumeration</td> <td>SFU</td> </tr> <tr> <td>enumeration</td> <td>$W*m^{**2}*Hz^{**1}$</td> </tr> </table>	enumeration	SFU	enumeration	$W*m^{**2}*Hz^{**1}$
enumeration	SFU				
enumeration	$W*m^{**2}*Hz^{**1}$				

	enumeration	$W \cdot m^{**2} \cdot nm^{**1}$
	enumeration	$W \cdot m^{**3}$
	enumeration	$W/m^{**2}/Hz$
	enumeration	$W/m^{**2}/nm$
	enumeration	W/m^{**3}
	enumeration	$\mu W \cdot cm^{**2} \cdot \mu m^{**1}$
	enumeration	$\mu W/cm^{**2}/\mu m$
Source	<pre><xs:simpleType name="Units_of_Spectral_Irradiance"> <xs:restriction base="xs:string"> <xs:enumeration value="SFU" /> <xs:enumeration value="W*m**2*Hz**1" /> <xs:enumeration value="W*m**2*nm**1" /> <xs:enumeration value="W*m**3" /> <xs:enumeration value="W/m**2/Hz" /> <xs:enumeration value="W/m**2/nm" /> <xs:enumeration value="W/m**3" /> <xs:enumeration value="uW*cm**2*um**1" /> <xs:enumeration value="uW/cm**2/um" /> </xs:restriction> </xs:simpleType></pre>	

Simple Type pds:Units_of_Spectral_Radiance

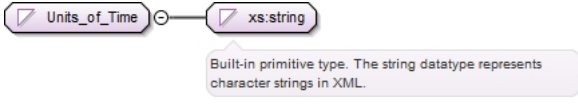
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	restriction of xs:string	
Facets	enumeration	$W \cdot m^{**2} \cdot sr^{**1} \cdot Hz^{**1}$
	enumeration	$W \cdot m^{**2} \cdot sr^{**1} \cdot nm^{**1}$
	enumeration	$W \cdot m^{**2} \cdot sr^{**1} \cdot \mu m^{**1}$
	enumeration	$W \cdot m^{**3} \cdot sr^{**1}$
	enumeration	$W/m^{**2}/sr/Hz$
	enumeration	$W/m^{**2}/sr/nm$
	enumeration	$W/m^{**2}/sr/\mu m$
	enumeration	$W/m^{**3}/sr$
	enumeration	$\mu W \cdot cm^{**2} \cdot sr^{**1} \cdot \mu m^{**1}$
	enumeration	$\mu W/cm^{**2}/sr/\mu m$
Source	<pre><xs:simpleType name="Units_of_Spectral_Radiance"> <xs:restriction base="xs:string"> <xs:enumeration value="W*m**2*sr**1*Hz**1" /> <xs:enumeration value="W*m**2*sr**1*nm**1" /> <xs:enumeration value="W*m**2*sr**1*um**1" /> <xs:enumeration value="W*m**3*sr**1" /> <xs:enumeration value="W/m**2/sr/Hz" /> <xs:enumeration value="W/m**2/sr/nm" /> <xs:enumeration value="W/m**2/sr/um" /> <xs:enumeration value="W/m**3/sr" /> <xs:enumeration value="uW*cm**2*sr**1*um**1" /> <xs:enumeration value="uW/cm**2/sr/um" /> </xs:restriction> </xs:simpleType></pre>	

Simple Type pds:Units_of_Temperature

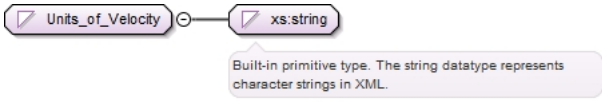
Namespace	http://pds.nasa.gov/pds4/pds/v1	
Diagram		
Type	restriction of xs:string	
Facets	enumeration	K

	enumeration degC
Source	<pre><xs:simpleType name="Units_of_Temperature"> <xs:restriction base="xs:string"> <xs:enumeration value="K" /> <xs:enumeration value="degC" /> </xs:restriction> </xs:simpleType></pre>

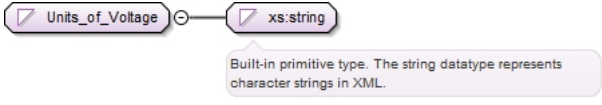
Simple Type pds:Units_of_Time

Namespace	http://pds.nasa.gov/pds4/pds/v1																
Diagram																	
Type	restriction of xs:string																
Facets	<table border="1"> <tr><td>enumeration</td><td>day</td></tr> <tr><td>enumeration</td><td>hr</td></tr> <tr><td>enumeration</td><td>julian day</td></tr> <tr><td>enumeration</td><td>microseconds</td></tr> <tr><td>enumeration</td><td>min</td></tr> <tr><td>enumeration</td><td>ms</td></tr> <tr><td>enumeration</td><td>s</td></tr> <tr><td>enumeration</td><td>yr</td></tr> </table>	enumeration	day	enumeration	hr	enumeration	julian day	enumeration	microseconds	enumeration	min	enumeration	ms	enumeration	s	enumeration	yr
enumeration	day																
enumeration	hr																
enumeration	julian day																
enumeration	microseconds																
enumeration	min																
enumeration	ms																
enumeration	s																
enumeration	yr																
Source	<pre><xs:simpleType name="Units_of_Time"> <xs:restriction base="xs:string"> <xs:enumeration value="day" /> <xs:enumeration value="hr" /> <xs:enumeration value="julian day" /> <xs:enumeration value="microseconds" /> <xs:enumeration value="min" /> <xs:enumeration value="ms" /> <xs:enumeration value="s" /> <xs:enumeration value="yr" /> </xs:restriction> </xs:simpleType></pre>																

Simple Type pds:Units_of_Velocity

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Diagram							
Type	restriction of xs:string						
Facets	<table border="1"> <tr><td>enumeration</td><td>cm/s</td></tr> <tr><td>enumeration</td><td>km/s</td></tr> <tr><td>enumeration</td><td>m/s</td></tr> </table>	enumeration	cm/s	enumeration	km/s	enumeration	m/s
enumeration	cm/s						
enumeration	km/s						
enumeration	m/s						
Source	<pre><xs:simpleType name="Units_of_Velocity"> <xs:restriction base="xs:string"> <xs:enumeration value="cm/s" /> <xs:enumeration value="km/s" /> <xs:enumeration value="m/s" /> </xs:restriction> </xs:simpleType></pre>						

Simple Type pds:Units_of_Voltage

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	

Type	restriction of xs:string
Facets	enumeration V
	enumeration mV
Source	<pre><xs:simpleType name="Units_of_Voltage"> <xs:restriction base="xs:string"> <xs:enumeration value="V" /> <xs:enumeration value="mV" /> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:Units_of_Volume

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of xs:string
Facets	enumeration L
	enumeration m**3
Source	<pre><xs:simpleType name="Units_of_Volume"> <xs:restriction base="xs:string"> <xs:enumeration value="L" /> <xs:enumeration value="m**3" /> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:Units_of_Wavenumber

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of xs:string
Facets	enumeration 1 / cm
	enumeration 1 / m
	enumeration 1 / nm
	enumeration cm** -1
	enumeration m** -1
	enumeration nm** -1
Source	<pre><xs:simpleType name="Units_of_Wavenumber"> <xs:restriction base="xs:string"> <xs:enumeration value="1/cm" /> <xs:enumeration value="1/m" /> <xs:enumeration value="1/nm" /> <xs:enumeration value="cm**-1" /> <xs:enumeration value="m**-1" /> <xs:enumeration value="nm**-1" /> </xs:restriction> </xs:simpleType></pre>

Simple Type pds:nil_reason_list

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	
Type	restriction of xs:string
Facets	enumeration inapplicable

	enumeration	anticipated
	enumeration	missing
	enumeration	unknown
Source	<pre><xs:simpleType name="nil_reason_list"> <xs:restriction base="xs:string"> <xs:enumeration value="inapplicable"/> <xs:enumeration value="anticipated"/> <xs:enumeration value="missing"/> <xs:enumeration value="unknown"/> </xs:restriction> </xs:simpleType></pre>	

Complex Type(s)

Complex Type pds:Ingest_LDD

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Ingest_LDD class provides a form for collecting class and attribute definitions.
Diagram	
Used by	Element pds:Ingest_LDD
Model	pds:name , pds:ldd_version_id , pds:full_name , pds:steward_id , pds:namespace_id , pds:external_property_maps_id* , pds:comment{0,1} , pds:last_modification_date_time , pds:DD_Attribute* , pds:DD_Class* , pds:DD_Rule* , pds:Property_Maps*
Children	pds:DD_Attribute, pds:DD_Class, pds:DD_Rule, pds:Property_Maps, pds:comment, pds:external_property_maps_id, pds:full_name, pds:last_modification_date_time, pds:ldd_version_id, pds:name, pds:namespace_id, pds:steward_id
Source	<pre><xs:complexType name="Ingest_LDD"> <xs:annotation> <xs:documentation>The Ingest_LDD class provides a form for collecting class and attribute definitions.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="ldd_version_id" type="pds:ldd_version_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="full_name" type="pds:full_name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="steward_id" type="pds:steward_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="namespace_id" type="pds:namespace_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="external_property_maps_id" type="pds:external_property_maps_id" minOccurs="0" maxOccurs="unbounded"> </xs:element> <xs:element name="comment" type="pds:comment" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="last_modification_date_time" type="pds:last_modification_date_time" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="DD_Attribute" type="pds:DD_Attribute" minOccurs="0" maxOccurs="unbounded"> </xs:element></pre>

```

</xs:element>
<xs:element name="DD_Class" type="pds:DD_Class" minOccurs="0" maxOccurs="unbounded">
</xs:element>
<xs:element name="DD_Rule" type="pds:DD_Rule" minOccurs="0" maxOccurs="unbounded">
</xs:element>
<xs:element name="Property_Maps" type="pds:Property_Maps" minOccurs="0" maxOccurs="unbounded">
</xs:element>
</xs:sequence>
</xs:complexType>
    
```

Complex Type pds:DD_Attribute

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The DD_Attribute class defines an attribute for a data dictionary.
Diagram	
Used by	Element pds:Ingest_LDD/pds:DD_Attribute
Model	pds:name , pds:version_id , pds:local_identifier , pds:nillable_flag , pds:submitter_name , pds:definition , pds:comment{0,1} , pds:Internal_Reference* , pds:Terminological_Entry* , pds:DD_Value_Domain
Children	pds:DD_Value_Domain, pds:Internal_Reference, pds:Terminological_Entry, pds:comment, pds:definition, pds:local_identifier, pds:name, pds:nillable_flag, pds:submitter_name, pds:version_id
Source	<pre> <xs:complexType name="DD_Attribute"> <xs:annotation> <xs:documentation>The DD_Attribute class defines an attribute for a data dictionary.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="version_id" type="pds:version_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="local_identifier" type="pds:local_identifier" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="nillable_flag" type="pds:nillable_flag" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="submitter_name" type="pds:submitter_name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="definition" type="pds:definition" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="comment" type="pds:comment" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Internal_Reference" type="pds:Internal_Reference" minOccurs="0" maxOccurs="unbounded"> </xs:element> <xs:element name="Terminological_Entry" type="pds:Terminological_Entry" minOccurs="0" maxOccurs="unbounded"> </xs:element> <xs:element name="DD_Value_Domain" type="pds:DD_Value_Domain" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Internal_Reference

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Annotations	The Internal_Reference class is used to cross-reference other products in the PDS registry system.
Diagram	
Used by	<p>Elements</p> <p>pds:DD_Attribute/pds:Internal_Reference, pds:DD_Class/pds:Internal_Reference, pds:Information_Package_Component/pds:Internal_Reference, pds:Information_Package_Component_Deep_Archive/pds:Internal_Reference, pds:Investigation_Area/pds:Internal_Reference, pds:Observing_System_Component/pds:Internal_Reference, pds:Product_Zipped/pds:Internal_Reference, pds:Reference_List/pds:Internal_Reference, pds:Target_Identification/pds:Internal_Reference, pds:Update_Entry/pds:Internal_Reference</p>
Model	(pds:lid_reference{0,1} pds:lidvid_reference{0,1}), pds:reference_type, pds:comment{0,1}
Children	pds:comment, pds:lid_reference, pds:lidvid_reference, pds:reference_type
Source	<pre> <xs:complexType name="Internal_Reference"> <xs:annotation> <xs:documentation>The Internal_Reference class is used to cross-reference other products in the PDS registry system.</xs:documentation> </xs:annotation> <xs:sequence> <xs:choice minOccurs="1" maxOccurs="1"> <xs:element name="lid_reference" type="pds:lid_reference" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="lidvid_reference" type="pds:lidvid_reference" minOccurs="0" maxOccurs="1"> </xs:element> </xs:choice> <xs:element name="reference_type" type="pds:reference_type" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="comment" type="pds:comment" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Terminological_Entry

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The terminological_entry class provides the name (designation) and definition of the attribute in a specified natural language.
Diagram	
Used by	<p>Elements</p> <p>pds:DD_Attribute/pds:Terminological_Entry, pds:DD_Attribute_Full/pds:Terminological_Entry, pds:DD_Class/pds:Terminological_Entry, pds:DD_Class_Full/pds:Terminological_Entry, pds:DD_Permissible_Value/pds:Terminological_Entry, pds:DD_Permissible_Value_Full/pds:Terminological_Entry</p>
Model	pds:name, pds:definition, pds:language, pds:preferred_flag, pds:instance_id{0,1}, pds:External_Reference_Extended*
Children	pds:External_Reference_Extended, pds:definition, pds:instance_id, pds:language, pds:name, pds:preferred_flag
Source	<pre> <xs:complexType name="Terminological_Entry"> <xs:annotation> <xs:documentation>The terminological_entry class provides the name (designation) and definition of the attribute in a specified natural language.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="definition" type="pds:definition" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

```

</xs:element>
<xs:element name="language" type="pds:language" minOccurs="1" maxOccurs="1">
</xs:element>
<xs:element name="preferred_flag" type="pds:preferred_flag" minOccurs="1" maxOccurs="1">
</xs:element>
<xs:element name="instance_id" type="pds:instance_id" minOccurs="0" maxOccurs="1">
</xs:element>
<xs:element name="External_Reference_Extended" type="pds:External_Reference_Extended"
minOccurs="0" maxOccurs="unbounded">
</xs:element>
</xs:sequence>
</xs:complexType>
    
```

Complex Type pds:External_Reference_Extended

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The External_Reference_Extended class is used to reference a source outside the PDS registry system. This extension is used in the local data dictionary.
Diagram	
Type	extension of pds:External_Reference
Type hierarchy	<ul style="list-style-type: none"> pds:External_Reference pds:External_Reference_Extended
Used by	Element pds:Terminological_Entry/pds:External_Reference_Extended
Model	pds:doi{0,1} , pds:reference_text , pds:description{0,1} , pds:name{0,1} , pds:url{0,1}
Children	pds:description, pds:doi, pds:name, pds:reference_text, pds:url
Source	<pre> <xs:complexType name="External_Reference_Extended"> <xs:annotation> <xs:documentation>The External_Reference_Extended class is used to reference a source outside the PDS registry system. This extension is used in the local data dictionary.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:External_Reference"> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="url" type="pds:url" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:External_Reference

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The External_Reference class is used to reference a source outside the PDS registry system.
Diagram	

Used by	Complex Type	pds:External_Reference_Extended
	Elements	pds:Observing_System_Component/pds:External_Reference, pds:Reference_List/ pds:External_Reference
Model	pds:doi{0,1} , pds:reference_text , pds:description{0,1}	
Children	pds:description, pds:doi, pds:reference_text	
Source	<pre><xs:complexType name="External_Reference"> <xs:annotation> <xs:documentation>The External_Reference class is used to reference a source outside the PDS registry system.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="doi" type="pds:doi" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="reference_text" type="pds:reference_text" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType></pre>	

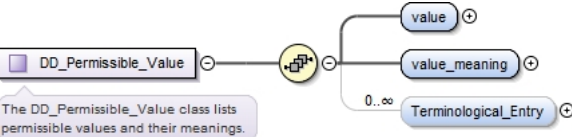
Complex Type pds:DD_Value_Domain

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Annotations	The DD_Value_Domain class defines an attribute's permissible values and their constraints.	
Diagram		
Used by	Element	pds:DD_Attribute/pds:DD_Value_Domain
Model	pds:enumeration_flag , pds:value_data_type , pds:formation_rule{0,1} , pds:minimum_characters{0,1} , pds:maximum_characters{0,1} , pds:minimum_value{0,1} , pds:maximum_value{0,1} , pds:pattern{0,1} , pds:unit_of_measure_type{0,1} , pds:specified_unit_id{0,1} , pds:DD_Permissible_Value*	
Children	pds:DD_Permissible_Value, pds:enumeration_flag, pds:formation_rule, pds:maximum_characters, pds:maximum_value, pds:minimum_characters, pds:minimum_value, pds:pattern, pds:specified_unit_id, pds:unit_of_measure_type, pds:value_data_type	
Source	<pre><xs:complexType name="DD_Value_Domain"> <xs:annotation> <xs:documentation>The DD_Value_Domain class defines an attribute's permissible values and their constraints.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="enumeration_flag" type="pds:enumeration_flag" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="value_data_type" type="pds:value_data_type" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="formation_rule" type="pds:formation_rule" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="minimum_characters" type="pds:minimum_characters" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="maximum_characters" type="pds:maximum_characters" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="minimum_value" type="pds:minimum_value" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="maximum_value" type="pds:maximum_value" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="pattern" type="pds:pattern" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="unit_of_measure_type" type="pds:unit_of_measure_type" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="specified_unit_id" type="pds:specified_unit_id" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="DD_Permissible_Value" type="pds:DD_Permissible_Value" minOccurs="0" maxOccurs="∞"> </xs:element> </xs:sequence> </xs:complexType></pre>	

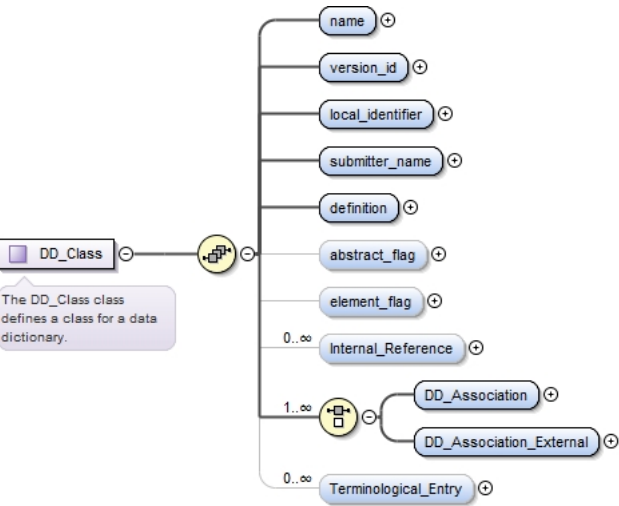
```

<xs:element name="pattern" type="pds:pattern" minOccurs="0" maxOccurs="1">
</xs:element>
<xs:element name="unit_of_measure_type" type="pds:unit_of_measure_type" minOccurs="0"
maxOccurs="1">
</xs:element>
<xs:element name="specified_unit_id" type="pds:specified_unit_id" minOccurs="0" maxOccurs="1">
</xs:element>
<xs:element name="DD_Permissible_Value" type="pds:DD_Permissible_Value" minOccurs="0"
maxOccurs="unbounded">
</xs:element>
</xs:sequence>
</xs:complexType>
    
```

Complex Type pds:DD_Permissible_Value

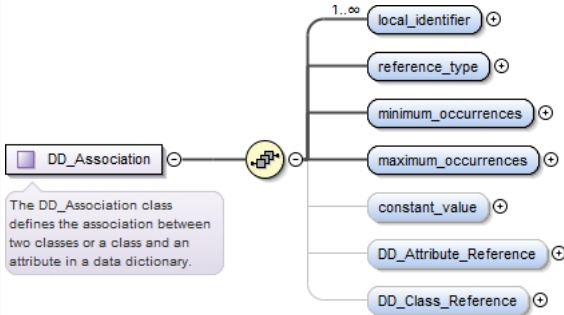
Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The DD_Permissible_Value class lists permissible values and their meanings.
Diagram	
Used by	Element pds:DD_Value_Domain/pds:DD_Permissible_Value
Model	pds:value , pds:value_meaning , pds:Terminological_Entry*
Children	pds:Terminological_Entry, pds:value, pds:value_meaning
Source	<pre> <xs:complexType name="DD_Permissible_Value"> <xs:annotation> <xs:documentation>The DD_Permissible_Value class lists permissible values and their meanings.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="value" type="pds:value" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="value_meaning" type="pds:value_meaning" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="Terminological_Entry" type="pds:Terminological_Entry" minOccurs="0" maxOccurs="unbounded"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:DD_Class

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The DD_Class class defines a class for a data dictionary.
Diagram	
Used by	Element pds:Ingest_LDD/pds:DD_Class

Model	pds:name , pds:version_id , pds:local_identifier , pds:submitter_name , pds:definition , pds:abstract_flag{0,1} , pds:element_flag{0,1} , pds:Internal_Reference* , (pds:DD_Association pds:DD_Association_External) , pds:Terminological_Entry*
Children	pds:DD_Association, pds:DD_Association_External, pds:Internal_Reference, pds:Terminological_Entry, pds:abstract_flag, pds:definition, pds:element_flag, pds:local_identifier, pds:name, pds:submitter_name, pds:version_id
Source	<pre> <xs:complexType name="DD_Class"> <xs:annotation> <xs:documentation>The DD_Class class defines a class for a data dictionary.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="version_id" type="pds:version_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="local_identifier" type="pds:local_identifier" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="submitter_name" type="pds:submitter_name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="definition" type="pds:definition" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="abstract_flag" type="pds:abstract_flag" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="element_flag" type="pds:element_flag" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Internal_Reference" type="pds:Internal_Reference" minOccurs="0" maxOccurs="unbounded"> </xs:element> <xs:choice minOccurs="1" maxOccurs="unbounded"> <xs:element name="DD_Association" type="pds:DD_Association"> </xs:element> <xs:element name="DD_Association_External" type="pds:DD_Association_External"> </xs:element> </xs:choice> <xs:element name="Terminological_Entry" type="pds:Terminological_Entry" minOccurs="0" maxOccurs="unbounded"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:DD_Association

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The DD_Association class defines the association between two classes or a class and an attribute in a data dictionary.
Diagram	
Used by	Elements pds:DD_Class/pds:DD_Association, pds:DD_Class_Full/pds:DD_Association
Model	pds:local_identifier+, pds:reference_type , pds:minimum_occurrences , pds:maximum_occurrences , pds:constant_value{0,1} , pds:DD_Attribute_Reference{0,1} , pds:DD_Class_Reference{0,1}
Children	pds:DD_Attribute_Reference, pds:DD_Class_Reference, pds:constant_value, pds:local_identifier, pds:maximum_occurrences, pds:minimum_occurrences, pds:reference_type
Source	<pre> <xs:complexType name="DD_Association"> <xs:annotation> <xs:documentation>The DD_Association class defines the association between two classes or a class and an attribute in a data dictionary.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="local_identifier" type="pds:local_identifier" minOccurs="1" maxOccurs="unbounded"> </xs:element> <xs:element name="reference_type" type="pds:reference_type" minOccurs="1" maxOccurs="1"> </xs:element> </pre>

```

<xs:element name="minimum_occurrences" type="pds:minimum_occurrences" minOccurs="1"
maxOccurs="1">
</xs:element>
<xs:element name="maximum_occurrences" type="pds:maximum_occurrences" minOccurs="1"
maxOccurs="1">
</xs:element>
<xs:element name="constant_value" type="pds:constant_value" minOccurs="0" maxOccurs="1">
</xs:element>
<xs:element name="DD_Attribute_Reference" type="pds:DD_Attribute_Reference" minOccurs="0"
maxOccurs="1">
</xs:element>
<xs:element name="DD_Class_Reference" type="pds:DD_Class_Reference" minOccurs="0" maxOccurs="1">
</xs:element>
</xs:sequence>
</xs:complexType>

```

Complex Type pds:DD_Attribute_Reference

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The DD Attribute Reference class provides a reference to an attribute using a namespace identifier and the attribute name.
Diagram	
Used by	Elements pds:DD_Association/pds:DD_Attribute_Reference, pds:DD_Rule/pds:DD_Attribute_Reference
Model	pds:namespace_id , pds:name
Children	pds:name, pds:namespace_id
Source	<pre> <xs:complexType name="DD_Attribute_Reference"> <xs:annotation> <xs:documentation>The DD Attribute Reference class provides a reference to an attribute using a namespace identifier and the attribute name.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="namespace_id" type="pds:namespace_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:DD_Class_Reference

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The DD Class Reference class provides a reference to a class using a namespace identifier and the class name.
Diagram	
Used by	Elements pds:DD_Association/pds:DD_Class_Reference, pds:DD_Rule/pds:DD_Class_Reference
Model	pds:namespace_id , pds:name
Children	pds:name, pds:namespace_id
Source	<pre> <xs:complexType name="DD_Class_Reference"> <xs:annotation> <xs:documentation>The DD Class Reference class provides a reference to a class using a namespace identifier and the class name.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="namespace_id" type="pds:namespace_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

</xs:complexType>

Complex Type pds:DD_Association_External

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The DD_Association_External class defines the association between classes and attributes within the local data dictionary and those external to the local data dictionary.
Diagram	
Used by	Element pds:DD_Class/pds:DD_Association_External
Model	pds:name , pds:namespace_id , pds:reference_type , pds:minimum_occurrences , pds:maximum_occurrences
Children	pds:maximum_occurrences, pds:minimum_occurrences, pds:name, pds:namespace_id, pds:reference_type
Source	<pre> <xs:complexType name="DD_Association_External"> <xs:annotation> <xs:documentation>The DD_Association_External class defines the association between classes and attributes within the local data dictionary and those external to the local data dictionary.</ xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="namespace_id" type="pds:namespace_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="reference_type" type="pds:reference_type" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="minimum_occurrences" type="pds:minimum_occurrences" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="maximum_occurrences" type="pds:maximum_occurrences" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:DD_Rule

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The DD_Rule class defines a Schematron rule for a data dictionary.
Diagram	
Used by	Element pds:Ingest_LDD/pds:DD_Rule
Model	pds:local_identifier , pds:rule_context , pds:rule_assign* , pds:DD_Attribute_Reference{0,1} , pds:DD_Class_Reference{0,1} , pds:DD_Rule_Statement+
Children	pds:DD_Attribute_Reference, pds:DD_Class_Reference, pds:DD_Rule_Statement, pds:local_identifier, pds:rule_assign, pds:rule_context
Source	<pre> <xs:complexType name="DD_Rule"> <xs:annotation> <xs:documentation>The DD_Rule class defines a Schematron rule for a data dictionary.</ xs:documentation> </xs:annotation> </pre>

```

<xs:sequence>
  <xs:element name="local_identifier" type="pds:local_identifier" minOccurs="1" maxOccurs="1">
  </xs:element>
  <xs:element name="rule_context" type="pds:rule_context" minOccurs="1" maxOccurs="1">
  </xs:element>
  <xs:element name="rule_assign" type="pds:rule_assign" minOccurs="0" maxOccurs="unbounded">
  </xs:element>
  <xs:element name="DD_Attribute_Reference" type="pds:DD_Attribute_Reference" minOccurs="0"
maxOccurs="1">
  </xs:element>
  <xs:element name="DD_Class_Reference" type="pds:DD_Class_Reference" minOccurs="0" maxOccurs="1">
  </xs:element>
  <xs:element name="DD_Rule_Statement" type="pds:DD_Rule_Statement" minOccurs="1"
maxOccurs="unbounded">
  </xs:element>
</xs:sequence>
</xs:complexType>

```

Complex Type pds:DD_Rule_Statement

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The DD_Rule_Statement class defines a Schematron rule statement.
Diagram	
Used by	Element pds:DD_Rule/pds:DD_Rule_Statement
Model	pds:rule_type , pds:rule_test , pds:rule_message , pds:rule_description{0,1} , pds:rule_value*
Children	pds:rule_description, pds:rule_message, pds:rule_test, pds:rule_type, pds:rule_value
Source	<pre> <xs:complexType name="DD_Rule_Statement"> <xs:annotation> <xs:documentation>The DD_Rule_Statement class defines a Schematron rule statement.</ xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="rule_type" type="pds:rule_type" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="rule_test" type="pds:rule_test" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="rule_message" type="pds:rule_message" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="rule_description" type="pds:rule_description" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="rule_value" type="pds:rule_value" minOccurs="0" maxOccurs="unbounded"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Property_Maps

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Property Maps class defines a collection of one or more related Property Maps.
Diagram	
Used by	Element pds:Ingest_LDD/pds:Property_Maps

Model	pds:identifier , pds:title{0,1} , pds:namespace_id , pds:description{0,1} , pds:external_property_map_id* , pds:Property_Map+
Children	pds:Property_Map, pds:description, pds:external_property_map_id, pds:identifier, pds:namespace_id, pds:title
Source	<pre> <xs:complexType name="Property_Maps"> <xs:annotation> <xs:documentation>The Property Maps class defines a collection of one or more related Property Maps.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="identifier" type="pds:identifier" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="title" type="pds:title" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="namespace_id" type="pds:namespace_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="external_property_map_id" type="pds:external_property_map_id" minOccurs="0" maxOccurs="unbounded"> </xs:element> <xs:element name="Property_Map" type="pds:Property_Map" minOccurs="1" maxOccurs="unbounded"> </xs:element> </xs:sequence> </xs:complexType> </pre>

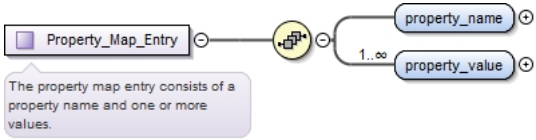
Complex Type pds:Property_Map

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Property Map class defines a table consisting of a set of data elements and their values. The data elements in this table are considered to be locally defined and not subject to standards except for nomenclature rules.
Diagram	
Used by	Element pds:Property_Maps/pds:Property_Map
Model	pds:identifier{0,1} , pds:title{0,1} , pds:model_object_id , pds:model_object_type , pds:instance_id* , pds:external_namespace_id* , pds:description{0,1} , pds:Property_Map_Entry+
Children	pds:Property_Map_Entry, pds:description, pds:external_namespace_id, pds:identifier, pds:instance_id, pds:model_object_id, pds:model_object_type, pds:title
Source	<pre> <xs:complexType name="Property_Map"> <xs:annotation> <xs:documentation>The Property Map class defines a table consisting of a set of data elements and their values. The data elements in this table are considered to be locally defined and not subject to standards except for nomenclature rules.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="identifier" type="pds:identifier" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="title" type="pds:title" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="model_object_id" type="pds:model_object_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="model_object_type" type="pds:model_object_type" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="instance_id" type="pds:instance_id" minOccurs="0" maxOccurs="unbounded"> </xs:element> <xs:element name="external_namespace_id" type="pds:external_namespace_id" minOccurs="0" maxOccurs="unbounded"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

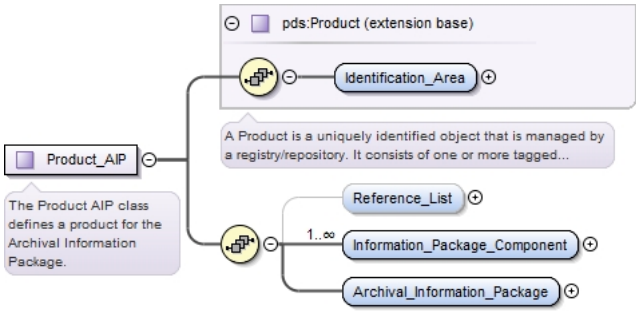
```

<xs:element name="Property_Map_Entry" type="pds:Property_Map_Entry" minOccurs="1"
maxOccurs="unbounded">
</xs:element>
</xs:sequence>
</xs:complexType>
    
```

Complex Type pds:Property_Map_Entry

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The property map entry consists of a property name and one or more values.
Diagram	
Used by	Element pds:Property_Map/pds:Property_Map_Entry
Model	pds:property_name , pds:property_value+
Children	pds:property_name, pds:property_value
Source	<pre> <xs:complexType name="Property_Map_Entry"> <xs:annotation> <xs:documentation>The property map entry consists of a property name and one or more values.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="property_name" type="pds:property_name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="property_value" type="pds:property_value" minOccurs="1" maxOccurs="unbounded"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Product_AIP

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Product AIP class defines a product for the Archival Information Package.
Diagram	
Type	extension of pds:Product
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_AIP
Used by	Element pds:Product_AIP
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:Information_Package_Component+ , pds:Archival_Information_Package
Children	pds:Archival_Information_Package, pds:Identification_Area, pds:Information_Package_Component, pds:Reference_List
Source	<pre> <xs:complexType name="Product_AIP"> <xs:annotation> <xs:documentation>The Product AIP class defines a product for the Archival Information Package.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Product"> <xs:sequence> <xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Information_Package_Component" type="pds:Information_Package_Component" minOccurs="1" maxOccurs="unbounded"> </pre>

```

        </xs:element>
        <xs:element name="Archival_Information_Package" type="pds:Archival_Information_Package"
minOccurs="1" maxOccurs="1">
        </xs:element>
    </xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>
    
```

Complex Type pds:Product

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	A Product is a uniquely identified object that is managed by a registry/repository. It consists of one or more tagged data objects.
Diagram	
Used by	<p>Complex Types</p> <p>pds:Product_AIP, pds:Product_Attribute_Definition, pds:Product_Browse, pds:Product_Bundle, pds:Product_Class_Definition, pds:Product_Collection, pds:Product_Context, pds:Product_DIP, pds:Product_DIP_Deep_Archive, pds:Product_Data_Set_PDS3, pds:Product_Document, pds:Product_File_Repository, pds:Product_File_Text, pds:Product_Instrument_Host_PDS3, pds:Product_Instrument_PDS3, pds:Product_Mission_PDS3, pds:Product_Native, pds:Product_Observational, pds:Product_Proxy_PDS3, pds:Product_SIP, pds:Product_SIP_Deep_Archive, pds:Product_SPICE_Kernel, pds:Product_Service, pds:Product_Software, pds:Product_Subscription_PDS3, pds:Product_Target_PDS3, pds:Product_Thumbnail, pds:Product_Update, pds:Product_Volume_PDS3, pds:Product_Volume_Set_PDS3, pds:Product_XML_Schema, pds:Product_Zipped</p>
Model	pds:Identification_Area
Children	pds:Identification_Area
Source	<pre> <xs:complexType name="Product"> <xs:annotation> <xs:documentation>A Product is a uniquely identified object that is managed by a registry/ repository. It consists of one or more tagged data objects.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="Identification_Area" type="pds:Identification_Area" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Identification_Area

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The identification area consists of attributes that identify and name an object.
Diagram	
Used by	Element pds:Product/pds:Identification_Area
Model	pds:logical_identifier , pds:version_id , pds:title , pds:information_model_version , pds:product_class , pds:Alias_List{0,1} , pds:Citation_Information{0,1} , pds:Modification_History{0,1}

Children	pds:Alias_List, pds:Citation_Information, pds:Modification_History, pds:information_model_version, pds:logical_identifier, pds:product_class, pds:title, pds:version_id
Source	<pre><xs:complexType name="Identification_Area"> <xs:annotation> <xs:documentation>The identification area consists of attributes that identify and name an object.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="logical_identifier" type="pds:logical_identifier" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="version_id" type="pds:version_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="title" type="pds:title" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="information_model_version" type="pds:information_model_version" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="product_class" type="pds:product_class" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="Alias_List" type="pds:Alias_List" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Citation_Information" type="pds:Citation_Information" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Modification_History" type="pds:Modification_History" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType></pre>

Complex Type pds:Alias_List

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Alias_List class provides a list of paired alternate names and identifications for this product in this or some other archive or data system.
Diagram	
Used by	Element pds:Identification_Area/pds:Alias_List
Model	pds:Alias+
Children	pds:Alias
Source	<pre><xs:complexType name="Alias_List"> <xs:annotation> <xs:documentation>The Alias_List class provides a list of paired alternate names and identifications for this product in this or some other archive or data system.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="Alias" type="pds:Alias" minOccurs="1" maxOccurs="unbounded"> </xs:element> </xs:sequence> </xs:complexType></pre>

Complex Type pds:Alias

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Alias class provides a single alternate name and identification for this product in this or some other archive or data system.
Diagram	

Used by	Element pds:Alias_List/pds:Alias
Model	pds:alternate_id{0,1} , pds:alternate_title{0,1} , pds:comment{0,1}
Children	pds:alternate_id, pds:alternate_title, pds:comment
Source	<pre> <xs:complexType name="Alias"> <xs:annotation> <xs:documentation>The Alias class provides a single alternate name and identification for this product in this or some other archive or data system.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="alternate_id" type="pds:alternate_id" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="alternate_title" type="pds:alternate_title" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="comment" type="pds:comment" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Citation_Information

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Citation_Information class provides specific fields often used in citing the product in journal articles, abstract services, and other reference contexts.
Diagram	
Used by	Element pds:Identification_Area/pds:Citation_Information
Model	pds:author_list{0,1} , pds:editor_list{0,1} , pds:publication_year , pds:keyword* , pds:description
Children	pds:author_list, pds:description, pds:editor_list, pds:keyword, pds:publication_year
Source	<pre> <xs:complexType name="Citation_Information"> <xs:annotation> <xs:documentation>The Citation_Information class provides specific fields often used in citing the product in journal articles, abstract services, and other reference contexts.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="author_list" type="pds:author_list" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="editor_list" type="pds:editor_list" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="publication_year" type="pds:publication_year" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="keyword" type="pds:keyword" minOccurs="0" maxOccurs="unbounded"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Modification_History

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Modification_History class tracks the history of changes made to the product once it enters the registry system.
Diagram	

Used by	Element pds:Identification_Area/pds:Modification_History
Model	pds:Modification_Detail+
Children	pds:Modification_Detail
Source	<pre><xs:complexType name="Modification_History"> <xs:annotation> <xs:documentation>The Modification_History class tracks the history of changes made to the product once it enters the registry system.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="Modification_Detail" type="pds:Modification_Detail" minOccurs="1" maxOccurs="unbounded"> </xs:element> </xs:sequence> </xs:complexType></pre>

Complex Type pds:Modification_Detail

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Modification_Detail class provides the details of one round of modification for the product. The first, required, instance of this class documents the date the product was first registered.
Diagram	
Used by	Element pds:Modification_History/pds:Modification_Detail
Model	pds:modification_date , pds:version_id , pds:description
Children	pds:description, pds:modification_date, pds:version_id
Source	<pre><xs:complexType name="Modification_Detail"> <xs:annotation> <xs:documentation>The Modification_Detail class provides the details of one round of modification for the product. The first, required, instance of this class documents the date the product was first registered.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="modification_date" type="pds:modification_date" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="version_id" type="pds:version_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType></pre>

Complex Type pds:Reference_List

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Reference_List class provides lists general references and cross-references for the product. References cited elsewhere in the label need not be repeated here.
Diagram	
Used by	Elements pds:Product_AIP/pds:Reference_List, pds:Product_Attribute_Definition/pds:Reference_List, pds:Product_Browse/pds:Reference_List, pds:Product_Bundle/pds:Reference_List, pds:Product_Class_Definition/pds:Reference_List, pds:Product_Collection/pds:Reference_List, pds:Product_Context/pds:Reference_List, pds:Product_DIP/pds:Reference_List, pds:Product_DIP_Deep_Archive/pds:Reference_List, pds:Product_Data_Set_PDS3/pds:Reference_List, pds:Product_Document/pds:Reference_List, pds:Product_File_Repository/pds:Reference_List,

	<p>pds:Product_File_Text/pds:Reference_List, pds:Product_Instrument_Host_PDS3/pds:Reference_List, pds:Product_Instrument_PDS3/pds:Reference_List, pds:Product_Mission_PDS3/pds:Reference_List, pds:Product_Native/pds:Reference_List, pds:Product_Observational/pds:Reference_List, pds:Product_Proxy_PDS3/pds:Reference_List, pds:Product_SIP/pds:Reference_List, pds:Product_SIP_Deep_Archive/pds:Reference_List, pds:Product_SPICE_Kernel/pds:Reference_List, pds:Product_Service/pds:Reference_List, pds:Product_Software/pds:Reference_List, pds:Product_Subscription_PDS3/pds:Reference_List, pds:Product_Target_PDS3/pds:Reference_List, pds:Product_Thumbnail/pds:Reference_List, pds:Product_Update/pds:Reference_List, pds:Product_Volume_PDS3/pds:Reference_List, pds:Product_Volume_Set_PDS3/pds:Reference_List, pds:Product_XML_Schema/pds:Reference_List</p>
Model	pds:Internal_Reference*, pds:External_Reference*
Children	pds:External_Reference, pds:Internal_Reference
Source	<pre><xs:complexType name="Reference_List"> <xs:annotation> <xs:documentation>The Reference_List class provides lists general references and cross- references for the product. References cited elsewhere in the label need not be repeated here.</ xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="Internal_Reference" type="pds:Internal_Reference" minOccurs="0" maxOccurs="unbounded"> </xs:element> <xs:element name="External_Reference" type="pds:External_Reference" minOccurs="0" maxOccurs="unbounded"> </xs:element> </xs:sequence> </xs:complexType></pre>

Complex Type pds:Information_Package_Component

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Information_Package_Component class associates a Bundle, Collections or Basic Products with Checksum and Storage Manifests.
Diagram	
Used by	<p>Elements</p> <p>pds:Product_AIP/pds:Information_Package_Component, pds:Product_DIP/pds:Information_Package_Component, pds:Product_DIP_Deep_Archive/pds:Information_Package_Component, pds:Product_SIP/pds:Information_Package_Component</p>
Model	pds:checksum_manifest_checksum{0,1} , pds:checksum_type{0,1} , pds:transfer_manifest_checksum{0,1} , pds:Internal_Reference+, pds:File_Area_Checksum_Manifest{0,1} , pds:File_Area_Transfer_Manifest{0,1}
Children	pds:File_Area_Checksum_Manifest, pds:File_Area_Transfer_Manifest, pds:Internal_Reference, pds:checksum_manifest_checksum, pds:checksum_type, pds:transfer_manifest_checksum
Source	<pre><xs:complexType name="Information_Package_Component"> <xs:annotation> <xs:documentation>The Information_Package_Component class associates a Bundle, Collections or Basic Products with Checksum and Storage Manifests.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="checksum_manifest_checksum" type="pds:checksum_manifest_checksum" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="checksum_type" type="pds:checksum_type" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="transfer_manifest_checksum" type="pds:transfer_manifest_checksum" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Internal_Reference" type="pds:Internal_Reference" minOccurs="1" maxOccurs="unbounded"> </xs:element> <xs:element name="File_Area_Checksum_Manifest" type="pds:File_Area_Checksum_Manifest" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType></pre>

```
<xs:element name="File_Area_Transfer_Manifest" type="pds:File_Area_Transfer_Manifest"
minOccurs="0" maxOccurs="1">
</xs:element>
</xs:sequence>
</xs:complexType>
```

Complex Type pds:File_Area_Checksum_Manifest

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The File Area Checksum Manifest class describes a file that contains a two column table for file references and checksums.
Diagram	<pre> classDiagram class pdsFileArea["pds:File_Area (extension base)"] class FileAreaChecksumManifest["File_Area_Checksum_Manifest"] class File class ChecksumManifest["Checksum_Manifest"] pdsFileArea < -- FileAreaChecksumManifest pdsFileArea -- File pdsFileArea -- ChecksumManifest </pre>
Type	extension of pds:File_Area
Type hierarchy	<ul style="list-style-type: none"> pds:File_Area pds:File_Area_Checksum_Manifest
Used by	Element pds:Information_Package_Component/pds:File_Area_Checksum_Manifest
Model	pds:File , pds:Checksum_Manifest
Children	pds:Checksum_Manifest, pds:File
Source	<pre><xs:complexType name="File_Area_Checksum_Manifest"> <xs:annotation> <xs:documentation>The File Area Checksum Manifest class describes a file that contains a two column table for file references and checksums.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:File_Area"> <xs:sequence> <xs:element name="File" type="pds:File" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="Checksum_Manifest" type="pds:Checksum_Manifest" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType></pre>

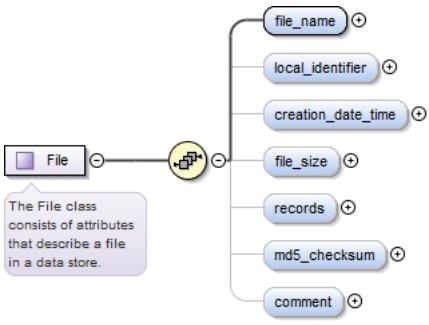
Complex Type pds:File_Area

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The File_Area class defines a File and its component data objects.
Diagram	<pre> classDiagram class FileArea["File_Area"] class File class ChecksumManifest["Checksum_Manifest"] FileArea -- File FileArea -- ChecksumManifest </pre>
Used by	Complex Types pds:File_Area_Binary, pds:File_Area_Browse, pds:File_Area_Checksum_Manifest, pds:File_Area_Encoded_Image, pds:File_Area_Inventory, pds:File_Area_Native, pds:File_Area_Observational, pds:File_Area_Observational_Supplemental, pds:File_Area_SIP_Deep_Archive, pds:File_Area_SPICE_Kernel, pds:File_Area_Service_Description, pds:File_Area_Text, pds:File_Area_Transfer_Manifest, pds:File_Area_XML_Schema
Model	
Source	<pre><xs:complexType name="File_Area"> <xs:annotation> <xs:documentation>The File_Area class defines a File and its component data objects.</ xs:documentation></pre>

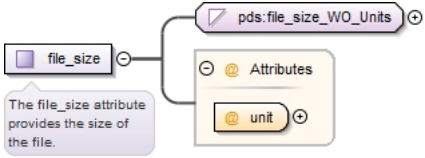

```

</xs:annotation>
<xs:sequence>
</xs:sequence>
</xs:complexType>
    
```

Complex Type pds:File

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The File class consists of attributes that describe a file in a data store.
Diagram	
Used by	<p>Elements pds:File_Area_Binary/pds:File, pds:File_Area_Browse/pds:File, pds:File_Area_Checksum_Manifest/pds:File, pds:File_Area_Encoded_Image/pds:File, pds:File_Area_Inventory/pds:File, pds:File_Area_Native/pds:File, pds:File_Area_Observational/pds:File, pds:File_Area_Observational_Supplemental/pds:File, pds:File_Area_SIP_Deep_Archive/pds:File, pds:File_Area_SPICE_Kernel/pds:File, pds:File_Area_Service_Description/pds:File, pds:File_Area_Text/pds:File, pds:File_Area_Transfer_Manifest/pds:File, pds:File_Area_XML_Schema/pds:File, pds:Product_Zipped/pds:File</p> <p>Complex Type pds:Document_File</p>
Model	pds:file_name , pds:local_identifier{0,1} , pds:creation_date_time{0,1} , pds:file_size{0,1} , pds:records{0,1} , pds:md5_checksum{0,1} , pds:comment{0,1}
Children	pds:comment, pds:creation_date_time, pds:file_name, pds:file_size, pds:local_identifier, pds:md5_checksum, pds:records
Source	<pre> <xs:complexType name="File"> <xs:annotation> <xs:documentation>The File class consists of attributes that describe a file in a data store.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="file_name" type="pds:file_name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="creation_date_time" type="pds:creation_date_time" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="file_size" type="pds:file_size" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="records" type="pds:records" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="md5_checksum" type="pds:md5_checksum" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="comment" type="pds:comment" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:file_size

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The file_size attribute provides the size of the file.
Diagram	
Type	extension of pds:file_size_WO_Units

Type hierarchy	<ul style="list-style-type: none"> • xs:nonNegativeInteger • pds:ASCII_NonNegative_Integer <ul style="list-style-type: none"> • pds:file_size_WO_Units <ul style="list-style-type: none"> • pds:file_size 			
Used by	Element	pds:File/pds:file_size		
Attributes	QName	Type	Use	
	unit	pds:Units_of_Storage	required	
Source	<pre> <xs:complexType name="file_size"> <xs:annotation> <xs:documentation>The file_size attribute provides the size of the file.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="pds:file_size_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Storage" use="required" /> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>			

Complex Type pds:Checksum_Manifest

Namespace	http://pds.nasa.gov/pds4/pds/v1			
Annotations	The Checksum_Manifest class defines a two column table for file references and checksums.			
Diagram	<p>The diagram illustrates the class hierarchy for pds:Checksum_Manifest. It is a restriction of pds:Stream_Text. The hierarchy includes pds:Stream_Text (restriction base), pds:Parsable_Byte_Stream (extension base), pds:Byte_Stream (extension base), and Checksum_Manifest. Attributes shown include name, local_identifier, offset, object_length, parsing_standard_id, description, and record_delimiter.</p>			
Type	restriction of pds:Stream_Text			
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Parsable_Byte_Stream 			

	<ul style="list-style-type: none"> • pds:Stream_Text • pds:Checksum_Manifest
Used by	Element pds:File_Area_Checksum_Manifest/pds:Checksum_Manifest
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:parsing_standard_id , pds:description{0,1} , pds:record_delimiter
Children	pds:description, pds:local_identifier, pds:name, pds:object_length, pds:offset, pds:parsing_standard_id, pds:record_delimiter
Source	<pre> <xs:complexType name="Checksum_Manifest"> <xs:annotation> <xs:documentation>The Checksum_Manifest class defines a two column table for file references and checksums.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:restriction base="pds:Stream_Text"> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="object_length" type="pds:object_length" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="parsing_standard_id" type="pds:parsing_standard_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="record_delimiter" type="pds:record_delimiter" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Stream_Text

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Stream text class defines a text object.
Diagram	
Type	extension of pds:Parsable_Byte_Stream
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Parsable_Byte_Stream • pds:Stream_Text
Used by	Complex Type pds:Checksum_Manifest

	Elements	pds:File_Area_Browse/pds:Stream_Text, pds:File_Area_Observational/pds:Stream_Text, pds:File_Area_Observational_Supplemental/pds:Stream_Text, pds:File_Area_Text/pds:Stream_Text
Model		pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:parsing_standard_id , pds:description{0,1} , pds:record_delimiter
Children		pds:description, pds:local_identifier, pds:name, pds:object_length, pds:offset, pds:parsing_standard_id, pds:record_delimiter
Source		<pre><xs:complexType name="Stream_Text"> <xs:annotation> <xs:documentation>The Stream text class defines a text object.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Parsable_Byte_Stream"> <xs:sequence> <xs:element name="record_delimiter" type="pds:record_delimiter" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType></pre>

Complex Type pds:Parsable_Byte_Stream

Namespace	http://pds.nasa.gov/pds4/pds/v1	
Annotations	The Parsable Byte Stream class defines byte streams that have standard parsing rules. The Parsable Byte Stream class is the parent class for all parsable byte streams.	
Diagram		
Type	extension of pds:Byte_Stream	
Type hierarchy	<ul style="list-style-type: none"> pds:Byte_Stream pds:Parsable_Byte_Stream 	
Used by	Complex Types	pds:Header, pds:SPICE_Kernel, pds:Service_Description, pds:Stream_Text, pds:Table_Delimited, pds:XML_Schema
	Element	pds:File_Area_Observational_Supplemental/pds:Parsable_Byte_Stream
Model		pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:parsing_standard_id , pds:description{0,1}
Children		pds:description, pds:local_identifier, pds:name, pds:object_length, pds:offset, pds:parsing_standard_id
Source		<pre><xs:complexType name="Parsable_Byte_Stream"> <xs:annotation> <xs:documentation>The Parsable Byte Stream class defines byte streams that have standard parsing rules. The Parsable Byte Stream class is the parent class for all parsable byte streams.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Byte_Stream"> <xs:sequence> <xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="object_length" type="pds:object_length" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="parsing_standard_id" type="pds:parsing_standard_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType></pre>

</xs:complexType>

Complex Type pds:Byte_Stream

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Byte Stream class defines a stream of bytes.
Diagram	
Used by	Complex Types pds:Array, pds:Encoded_Byte_Stream, pds:Parsable_Byte_Stream, pds:Table_Base
Model	pds:name{0,1} , pds:local_identifier{0,1}
Children	pds:local_identifier, pds:name
Source	<pre><xs:complexType name="Byte_Stream"> <xs:annotation> <xs:documentation>The Byte Stream class defines a stream of bytes.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType></pre>

Complex Type pds:offset

Namespace	http://pds.nasa.gov/pds4/pds/v1						
Annotations	The offset attribute provides the displacement of the object starting position from the beginning of the parent structure (file, record, etc.). If there is no displacement, offset=0.						
Diagram							
Type	extension of pds:offset_WO_Units						
Type hierarchy	<ul style="list-style-type: none"> xs:integer pds:ASCII_Integer pds:offset_WO_Units pds:offset 						
Used by	Elements pds:Array/pds:offset, pds:Array_1D/pds:offset, pds:Array_2D/pds:offset, pds:Array_3D/pds:offset, pds:Array_3D_Image/pds:offset, pds:Array_3D_Movie/pds:offset, pds:Array_3D_Spectrum/pds:offset, pds:Checksum_Manifest/pds:offset, pds:Encoded_Binary/pds:offset, pds:Encoded_Byte_Stream/pds:offset, pds:Encoded_Header/pds:offset, pds:Encoded_Image/pds:offset, pds:Encoded_Native/pds:offset, pds:Header/pds:offset, pds:Manifest_SIP_Deep_Archive/pds:offset, pds:Parsable_Byte_Stream/pds:offset, pds:Service_Description/pds:offset, pds:Table_Base/pds:offset, pds:Transfer_Manifest/pds:offset						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Storage</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Storage	required
QName	Type	Use					
unit	pds:Units_of_Storage	required					
Source	<pre><xs:complexType name="offset"> <xs:annotation> <xs:documentation>The offset attribute provides the displacement of the object starting position from the beginning of the parent structure (file, record, etc.). If there is no displacement, offset=0.</xs:documentation> </xs:annotation> <xs:simpleContent></pre>						

```
<xs:extension base="pds:offset_WO_Units">
  <xs:attribute name="unit" type="pds:Units_of_Storage" use="required" />
</xs:extension>
</xs:simpleContent>
</xs:complexType>
```

Complex Type pds:object_length

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Annotations	The object_length attribute provides the length of the digital object in bytes.		
Diagram			
Type	extension of pds:object_length_WO_Units		
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer <ul style="list-style-type: none"> • pds:object_length_WO_Units <ul style="list-style-type: none"> • pds:object_length 		
Used by	Elements	pds:Checksum_Manifest/pds:object_length, pds:Encoded_Binary/pds:object_length, pds:Encoded_Byte_Stream/pds:object_length, pds:Encoded_Header/pds:object_length, pds:Encoded_Image/pds:object_length, pds:Encoded_Native/pds:object_length, pds:Header/pds:object_length, pds:Manifest_SIP_Deep_Archive/pds:object_length, pds:Parsable_Byte_Stream/pds:object_length, pds:Service_Description/pds:object_length	
Attributes	QName	Type	Use
	unit	pds:Units_of_Storage	required
Source	<pre><xs:complexType name="object_length"> <xs:annotation> <xs:documentation>The object_length attribute provides the length of the digital object in bytes.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="pds:object_length_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Storage" use="required" /> </xs:extension> </xs:simpleContent> </xs:complexType></pre>		

Complex Type pds:File_Area_Transfer_Manifest

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Annotations	The File Area Transfer Manifest class describes a file that contains a two column table that maps the logical identifiers and version ids of products to their file specification names.		
Diagram			
Type	extension of pds:File_Area		
Type hierarchy	<ul style="list-style-type: none"> • pds:File_Area <ul style="list-style-type: none"> • pds:File_Area_Transfer_Manifest 		
Used by	Element	pds:Information_Package_Component/pds:File_Area_Transfer_Manifest	

Model	pds:File , pds:Transfer_Manifest
Children	pds:File, pds:Transfer_Manifest
Source	<pre> <xs:complexType name="File_Area_Transfer_Manifest"> <xs:annotation> <xs:documentation>The File Area Transfer Manifest class describes a file that contains a two column table that maps the logical identifiers and version ids of products to their file specification names.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:File_Area"> <xs:sequence> <xs:element name="File" type="pds:File" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="Transfer_Manifest" type="pds:Transfer_Manifest" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Transfer_Manifest

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Transfer_Manifest class defines a table that maps product LIDVIDs to the file_specification_names of the products' XML label files.
Diagram	<pre> classDiagram class pds_Table_Character["pds:Table_Character (restriction base)"] class pds_Table_Base["pds:Table_Base (extension base)"] class pds_Byte_Stream["pds:Byte_Stream (extension base)"] class Transfer_Manifest class name class local_identifier class offset class records class description class record_delimiter class Uniformly_Sampled class Record_Character pds_Table_Character -- > pds_Table_Base pds_Table_Base -- > pds_Byte_Stream Transfer_Manifest -- > pds_Table_Character pds_Byte_Stream -- name pds_Byte_Stream -- local_identifier pds_Byte_Stream -- offset pds_Byte_Stream -- records pds_Byte_Stream -- description pds_Table_Base -- record_delimiter pds_Table_Base -- Uniformly_Sampled pds_Table_Base -- Record_Character </pre> <p>The diagram illustrates the class hierarchy for pds:Transfer_Manifest. It is a restriction of pds:Table_Character. The hierarchy includes pds:Table_Character (restriction base), pds:Table_Base (extension base), pds:Byte_Stream (extension base), and Transfer_Manifest. Elements shown include name, local_identifier, offset, records, description, record_delimiter, Uniformly_Sampled, and Record_Character.</p>
Type	restriction of pds:Table_Character

Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Table_Base <ul style="list-style-type: none"> • pds:Table_Character • pds:Transfer_Manifest
Used by	Element pds:File_Area_Transfer_Manifest/pds:Transfer_Manifest
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:records , pds:description{0,1} , pds:record_delimiter , pds:Uniformly_Sampled{0,1} , pds:Record_Character
Children	pds:Record_Character, pds:Uniformly_Sampled, pds:description, pds:local_identifier, pds:name, pds:offset, pds:record_delimiter, pds:records
Source	<pre> <xs:complexType name="Transfer_Manifest"> <xs:annotation> <xs:documentation>The Transfer_Manifest class defines a table that maps product LIDVIDS to the file_specificaiton_names of the products' XML label files.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:restriction base="pds:Table_Character"> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="records" type="pds:records" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="record_delimiter" type="pds:record_delimiter" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="Uniformly_Sampled" type="pds:Uniformly_Sampled" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Record_Character" type="pds:Record_Character" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Table_Character

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Table Character class is an extension of table base and defines a simple character table.
Diagram	<pre> classDiagram class pds_Byte_Stream["pds:Byte_Stream (extension base)"] { name local_identifier } class pds_Table_Base["pds:Table_Base (extension base)"] { offset records description } class pds_Table_Character["pds:Table_Character"] { record_delimiter Uniformly_Sampled Record_Character } pds_Byte_Stream < -- pds_Table_Base pds_Table_Base < -- pds_Table_Character </pre> <p>The diagram illustrates the class hierarchy for the pds:Table_Character complex type. It shows three classes: pds:Byte_Stream (extension base), pds:Table_Base (extension base), and pds:Table_Character. pds:Table_Character is an extension of pds:Table_Base, which is an extension of pds:Byte_Stream. The elements of pds:Table_Character are record_delimiter, Uniformly_Sampled, and Record_Character. The elements of pds:Table_Base are offset, records, and description. The elements of pds:Byte_Stream are name and local_identifier. The diagram also includes descriptive text for each class: 'The Byte Stream class defines a stream of bytes.', 'The Table Base class defines a heterogeneous repeating record of scalars. The Table Base class is the parent class for...', and 'The Table Character class is an extension of table base and defines a simple character table.'</p>

Type	extension of pds:Table_Base				
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Table_Base • pds:Table_Character 				
Used by	<table border="0"> <tr> <td>Complex Type</td> <td>pds:Transfer_Manifest</td> </tr> <tr> <td>Elements</td> <td>pds:File_Area_Browse/pds:Table_Character, pds:File_Area_Observational/pds:Table_Character, pds:File_Area_Observational_Supplemental/pds:Table_Character</td> </tr> </table>	Complex Type	pds:Transfer_Manifest	Elements	pds:File_Area_Browse/pds:Table_Character, pds:File_Area_Observational/pds:Table_Character, pds:File_Area_Observational_Supplemental/pds:Table_Character
Complex Type	pds:Transfer_Manifest				
Elements	pds:File_Area_Browse/pds:Table_Character, pds:File_Area_Observational/pds:Table_Character, pds:File_Area_Observational_Supplemental/pds:Table_Character				
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:records , pds:description{0,1} , pds:record_delimiter , pds:Uniformly_Sampled{0,1} , pds:Record_Character				
Children	pds:Record_Character, pds:Uniformly_Sampled, pds:description, pds:local_identifier, pds:name, pds:offset, pds:record_delimiter, pds:records				
Source	<pre><xs:complexType name="Table_Character"> <xs:annotation> <xs:documentation>The Table Character class is an extension of table base and defines a simple character table.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Table_Base"> <xs:sequence> <xs:element name="record_delimiter" type="pds:record_delimiter" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="Uniformly_Sampled" type="pds:Uniformly_Sampled" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Record_Character" type="pds:Record_Character" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType></pre>				

Complex Type pds:Table_Base

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Table Base class defines a heterogeneous repeating record of scalars. The Table Base class is the parent class for all heterogeneous repeating record of scalars.
Diagram	<pre>classDiagram class pds:Table_Base { offset records description } class pds:Byte_Stream { name local_identifier } pds:Table_Base < -- pds:Byte_Stream</pre>
Type	extension of pds:Byte_Stream
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Table_Base
Used by	Complex Types pds:Table_Binary, pds:Table_Character
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:records , pds:description{0,1}
Children	pds:description, pds:local_identifier, pds:name, pds:offset, pds:records
Source	<pre><xs:complexType name="Table_Base"> <xs:annotation> <xs:documentation>The Table Base class defines a heterogeneous repeating record of scalars. The Table Base class is the parent class for all heterogeneous repeating record of scalars.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Byte_Stream"></pre>

```

<xs:sequence>
  <xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1">
  </xs:element>
  <xs:element name="records" type="pds:records" minOccurs="1" maxOccurs="1">
  </xs:element>
  <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1">
  </xs:element>
</xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>

```

Complex Type pds:Uniformly_Sampled

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Uniformly_Sampled class provides parameters for a uniformly sampled table.
Diagram	
Used by	Elements pds:Manifest_SIP_Deep_Archive/pds:Uniformly_Sampled, pds:Table_Binary/pds:Uniformly_Sampled, pds:Table_Character/pds:Uniformly_Sampled, pds:Table_Delimited/pds:Uniformly_Sampled, pds:Transfer_Manifest/pds:Uniformly_Sampled
Model	pds:sampling_parameter_name , pds:sampling_parameter_interval , pds:sampling_parameter_unit , pds:first_sampling_parameter_value , pds:last_sampling_parameter_value , pds:sampling_parameter_scale{0,1}
Children	pds:first_sampling_parameter_value, pds:last_sampling_parameter_value, pds:sampling_parameter_interval, pds:sampling_parameter_name, pds:sampling_parameter_scale, pds:sampling_parameter_unit
Source	<pre> <xs:complexType name="Uniformly_Sampled"> <xs:annotation> <xs:documentation>The Uniformly_Sampled class provides parameters for a uniformly sampled table.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="sampling_parameter_name" type="pds:sampling_parameter_name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="sampling_parameter_interval" type="pds:sampling_parameter_interval" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="sampling_parameter_unit" type="pds:sampling_parameter_unit" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="first_sampling_parameter_value" type="pds:first_sampling_parameter_value" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="last_sampling_parameter_value" type="pds:last_sampling_parameter_value" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="sampling_parameter_scale" type="pds:sampling_parameter_scale" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Record_Character

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Record_Character class is a component of the table class and defines a record of the table.

Diagram	<p>The Record_Character class is a component of the table class and defines a record of the table.</p> <p>The Record class defines a record of a file and is the parent class of all specific record classes.</p>
Type	extension of pds:Record
Type hierarchy	<ul style="list-style-type: none"> pds:Record pds:Record_Character
Used by	Elements pds:Table_Character/pds:Record_Character, pds:Transfer_Manifest/pds:Record_Character
Model	pds:fields , pds:groups , pds:record_length , (pds:Field_Character pds:Group_Field_Character)
Children	pds:Field_Character, pds:Group_Field_Character, pds:fields, pds:groups, pds:record_length
Source	<pre> <xs:complexType name="Record_Character"> <xs:annotation> <xs:documentation>The Record_Character class is a component of the table class and defines a record of the table.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Record"> <xs:sequence> <xs:element name="record_length" type="pds:record_length" minOccurs="1" maxOccurs="1"/> </xs:element> <xs:choice minOccurs="1" maxOccurs="unbounded"> <xs:element name="Field_Character" type="pds:Field_Character"/> <xs:element name="Group_Field_Character" type="pds:Group_Field_Character"/> </xs:choice> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Record

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Record class defines a record of a file and is the parent class of all specific record classes.
Diagram	<p>The Record class defines a record of a file and is the parent class of all specific record classes.</p>
Used by	Complex Types pds:Record_Binary, pds:Record_Character, pds:Record_Delimited
Model	pds:fields , pds:groups
Children	pds:fields, pds:groups
Source	<pre> <xs:complexType name="Record"> <xs:annotation> <xs:documentation>The Record class defines a record of a file and is the parent class of all specific record classes.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="fields" type="pds:fields" minOccurs="1" maxOccurs="1"/> <xs:element name="groups" type="pds:groups" minOccurs="1" maxOccurs="1"/> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:record_length

Namespace	http://pds.nasa.gov/pds4/pds/v1								
Annotations	The record_length attribute provides the length of a record, including a record delimiter, if present.								
Diagram	<p>The diagram shows a box for 'record_length' with a note: 'The record_length attribute provides the length of a record, including a record delimiter, if present.' This box is connected to a larger box for 'pds:record_length_WO_Units'. Inside this larger box, there is an 'Attributes' section containing a box for 'unit'.</p>								
Type	extension of pds:record_length_WO_Units								
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:record_length_WO_Units • pds:record_length 								
Used by	Elements pds:Record_Binary/pds:record_length, pds:Record_Character/pds:record_length								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Storage</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Storage	required		
QName	Type	Use							
unit	pds:Units_of_Storage	required							
Source	<pre> <xs:complexType name="record_length"> <xs:annotation> <xs:documentation>The record_length attribute provides the length of a record, including a record delimiter, if present.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="pds:record_length_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Storage" use="required"/> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>								

Complex Type pds:Field_Character

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Annotations	The Field_Character class defines a field of a character record or a field of a character group.		
Diagram	<p>The diagram shows a box for 'Field_Character' with a note: 'The Field_Character class defines a field of a character record or a field of a character group.' This box is connected to a larger box for 'pds:Field (extension base)'. Inside this larger box, there are two sub-sections. The top one contains 'name' and 'field_number'. The bottom one contains 'field_location', 'data_type', 'field_length', 'field_format', 'unit', 'scaling_factor', 'value_offset', 'description', 'Special_Constants', and 'Field_Statistics'. A note below the top section says: 'The Field class defines a field of a record and is the parent class of all specific field classes. The Field class...'</p>		

Type	extension of pds:Field
Type hierarchy	<ul style="list-style-type: none"> pds:Field <ul style="list-style-type: none"> pds:Field_Character
Used by	Elements pds:Group_Field_Character/pds:Field_Character, pds:Record_Character/pds:Field_Character
Model	pds:name , pds:field_number{0,1} , pds:field_location , pds:data_type , pds:field_length , pds:field_format{0,1} , pds:unit{0,1} , pds:scaling_factor{0,1} , pds:value_offset{0,1} , pds:description{0,1} , pds:Special_Constants{0,1} , pds:Field_Statistics{0,1}
Children	pds:Field_Statistics, pds:Special_Constants, pds:data_type, pds:description, pds:field_format, pds:field_length, pds:field_location, pds:field_number, pds:name, pds:scaling_factor, pds:unit, pds:value_offset
Source	<pre><xs:complexType name="Field_Character"> <xs:annotation> <xs:documentation>The Field_Character class defines a field of a character record or a field of a character group.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Field"> <xs:sequence> <xs:element name="field_location" type="pds:field_location" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="data_type" type="pds:data_type" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="field_length" type="pds:field_length" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="field_format" type="pds:field_format" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="unit" type="pds:unit" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="scaling_factor" type="pds:scaling_factor" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="value_offset" type="pds:value_offset" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Special_Constants" type="pds:Special_Constants" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Field_Statistics" type="pds:Field_Statistics" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType></pre>

Complex Type pds:Field

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Field class defines a field of a record and is the parent class of all specific field classes. The Field class defines a field of a record or a field of a group and is the parent class of all specific field classes.
Diagram	
Used by	Complex Types pds:Field_Binary, pds:Field_Bit, pds:Field_Character, pds:Field_Delimited
Model	pds:name , pds:field_number{0,1}
Children	pds:field_number, pds:name
Source	<pre><xs:complexType name="Field"> <xs:annotation> <xs:documentation>The Field class defines a field of a record and is the parent class of all specific field classes. The Field class defines a field of a record or a field of a group and is the parent class of all specific field classes.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType></pre>

```
<xs:element name="field_number" type="pds:field_number" minOccurs="0" maxOccurs="1">
</xs:element>
</xs:sequence>
</xs:complexType>
```

Complex Type pds:field_location

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Annotations	The field_location attribute provides the starting byte for a field within a record or group, counting from '1'.		
Diagram			
Type	extension of pds:field_location_WO_Units		
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer <ul style="list-style-type: none"> • pds:field_location_WO_Units • pds:field_location 		
Used by	Elements	pds:Field_Binary/pds:field_location, pds:Field_Character/pds:field_location	
Attributes	QName	Type	Use
	unit	pds:Units_of_Storage	required
Source	<pre><xs:complexType name="field_location"> <xs:annotation> <xs:documentation>The field_location attribute provides the starting byte for a field within a record or group, counting from '1'.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="pds:field_location_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Storage" use="required" /> </xs:extension> </xs:simpleContent> </xs:complexType></pre>		

Complex Type pds:field_length

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Annotations	The field_length attribute provides the number of bytes in the field.		
Diagram			
Type	extension of pds:field_length_WO_Units		
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer <ul style="list-style-type: none"> • pds:field_length_WO_Units • pds:field_length 		
Used by	Elements	pds:Field_Binary/pds:field_length, pds:Field_Character/pds:field_length	
Attributes	QName	Type	Use
	unit	pds:Units_of_Storage	required

Source	<pre> <xs:complexType name="field_length"> <xs:annotation> <xs:documentation>The field_length attribute provides the number of bytes in the field.</ </xs:annotation> <xs:simpleContent> <xs:extension base="pds:field_length_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Storage" use="required" /> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>
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Complex Type pds:Special_Constants

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Special Constants class provides a set of values used to indicate special cases that occur in the data.
Diagram	
Used by	Elements pds:Array/pds:Special_Constants, pds:Array_1D/pds:Special_Constants, pds:Array_2D/pds:Special_Constants, pds:Array_3D/pds:Special_Constants, pds:Array_3D_Image/pds:Special_Constants, pds:Array_3D_Movie/pds:Special_Constants, pds:Array_3D_Spectrum/pds:Special_Constants, pds:Field_Binary/pds:Special_Constants, pds:Field_Bit/pds:Special_Constants, pds:Field_Character/pds:Special_Constants, pds:Field_Delimited/pds:Special_Constants
Model	pds:saturated_constant{0,1} , pds:missing_constant{0,1} , pds:error_constant{0,1} , pds:invalid_constant{0,1} , pds:unknown_constant{0,1} , pds:not_applicable_constant{0,1} , pds:valid_maximum{0,1} , pds:high_instrument_saturation{0,1} , pds:high_representation_saturation{0,1} , pds:valid_minimum{0,1} , pds:low_instrument_saturation{0,1} , pds:low_representation_saturation{0,1}
Children	pds:error_constant, pds:high_instrument_saturation, pds:high_representation_saturation, pds:invalid_constant, pds:low_instrument_saturation, pds:low_representation_saturation, pds:missing_constant, pds:not_applicable_constant, pds:saturated_constant, pds:unknown_constant, pds:valid_maximum, pds:valid_minimum
Source	<pre> <xs:complexType name="Special_Constants"> <xs:annotation> <xs:documentation>The Special Constants class provides a set of values used to indicate special cases that occur in the data.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="saturated_constant" type="pds:saturated_constant" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="missing_constant" type="pds:missing_constant" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="error_constant" type="pds:error_constant" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="invalid_constant" type="pds:invalid_constant" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="unknown_constant" type="pds:unknown_constant" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="not_applicable_constant" type="pds:not_applicable_constant" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="valid_maximum" type="pds:valid_maximum" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

```

<xs:element name="high_instrument_saturation" type="pds:high_instrument_saturation"
minOccurs="0" maxOccurs="1">
</xs:element>
<xs:element name="high_representation_saturation" type="pds:high_representation_saturation"
minOccurs="0" maxOccurs="1">
</xs:element>
<xs:element name="valid_minimum" type="pds:valid_minimum" minOccurs="0" maxOccurs="1">
</xs:element>
<xs:element name="low_instrument_saturation" type="pds:low_instrument_saturation" minOccurs="0"
maxOccurs="1">
</xs:element>
<xs:element name="low_representation_saturation" type="pds:low_representation_saturation"
minOccurs="0" maxOccurs="1">
</xs:element>
</xs:sequence>
</xs:complexType>

```

Complex Type pds:Field_Statistics

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Field Statistics class provides a set of metrics for a column formed by a field in a repeating record.
Diagram	
Used by	Elements pds:Field_Binary/pds:Field_Statistics, pds:Field_Character/pds:Field_Statistics, pds:Field_Delimited/pds:Field_Statistics
Model	pds:local_identifier{0,1} , pds:maximum{0,1} , pds:minimum{0,1} , pds:mean{0,1} , pds:standard_deviation{0,1} , pds:median{0,1} , pds:description{0,1}
Children	pds:description, pds:local_identifier, pds:maximum, pds:mean, pds:median, pds:minimum, pds:standard_deviation
Source	<pre> <xs:complexType name="Field_Statistics"> <xs:annotation> <xs:documentation>The Field Statistics class provides a set of metrics for a column formed by a field in a repeating record.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="maximum" type="pds:maximum" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="minimum" type="pds:minimum" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="mean" type="pds:mean" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="standard_deviation" type="pds:standard_deviation" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="median" type="pds:median" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Group_Field_Character

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Group_Field_Character class allows a group of table fields.

Diagram	<p>The diagram illustrates the class structure. The base class <code>pds:Group</code> (extension base) contains the following fields: <code>name</code>, <code>group_number</code>, <code>repetitions</code>, <code>fields</code>, <code>groups</code>, and <code>description</code>. The <code>Group_Field_Character</code> class extends <code>pds:Group</code> and includes <code>group_location</code>, <code>group_length</code>, and a choice of <code>Field_Character</code> and <code>Group_Field_Character</code> (with a cardinality of 1..∞). Annotations describe the <code>Group_Field_Character</code> class and the <code>Group</code> class.</p>
Type	extension of <code>pds:Group</code>
Type hierarchy	<ul style="list-style-type: none"> <code>pds:Group</code> <code>pds:Group_Field_Character</code>
Used by	Elements <code>pds:Group_Field_Character/pds:Group_Field_Character</code> , <code>pds:Record_Character/pds:Group_Field_Character</code>
Model	<code>pds:name{0,1}</code> , <code>pds:group_number{0,1}</code> , <code>pds:repetitions</code> , <code>pds:fields</code> , <code>pds:groups</code> , <code>pds:description{0,1}</code> , <code>pds:group_location</code> , <code>pds:group_length</code> , (<code>pds:Field_Character</code> <code>pds:Group_Field_Character</code>)
Children	<code>pds:Field_Character</code> , <code>pds:Group_Field_Character</code> , <code>pds:description</code> , <code>pds:fields</code> , <code>pds:group_length</code> , <code>pds:group_location</code> , <code>pds:group_number</code> , <code>pds:groups</code> , <code>pds:name</code> , <code>pds:repetitions</code>
Source	<pre> <xs:complexType name="Group_Field_Character"> <xs:annotation> <xs:documentation>The Group_Field_Character class allows a group of table fields.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Group"> <xs:sequence> <xs:element name="group_location" type="pds:group_location" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="group_length" type="pds:group_length" minOccurs="1" maxOccurs="1"> </xs:element> <xs:choice minOccurs="1" maxOccurs="unbounded"> <xs:element name="Field_Character" type="pds:Field_Character"> </xs:element> <xs:element name="Group_Field_Character" type="pds:Group_Field_Character"> </xs:element> </xs:choice> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type `pds:Group`

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Group class defines a group of (repeating) fields and, possibly, (sub) groups; it is the parent class of all specific group classes.

Diagram	
Used by	Complex Types pds:Group_Field_Binary, pds:Group_Field_Character, pds:Group_Field_Delimited
Model	pds:name{0,1} , pds:group_number{0,1} , pds:repetitions , pds:fields , pds:groups , pds:description{0,1}
Children	pds:description, pds:fields, pds:group_number, pds:groups, pds:name, pds:repetitions
Source	<pre> <xs:complexType name="Group"> <xs:annotation> <xs:documentation>The Group class defines a group of (repeating) fields and, possibly, (sub) groups; it is the parent class of all specific group classes.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="group_number" type="pds:group_number" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="repetitions" type="pds:repetitions" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="fields" type="pds:fields" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="groups" type="pds:groups" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:group_location

Namespace	http://pds.nasa.gov/pds4/pds/v1										
Annotations	The group_location attribute provides the starting position for a Group_Field_Binary within the containing Record_Binary or Group_Field_Binary class, in bytes. Location '1' denotes the first byte of the containing class.										
Diagram											
Type	extension of pds:group_location_WO_Units										
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer <ul style="list-style-type: none"> • pds:group_location_WO_Units • pds:group_location 										
Used by	Elements	pds:Group_Field_Binary/pds:group_location, pds:Group_Field_Character/pds:group_location									
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Storage</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		unit	pds:Units_of_Storage	required			
QName	Type	Use									
unit	pds:Units_of_Storage	required									
Source	<pre> <xs:complexType name="group_location"> <xs:annotation> <xs:documentation>The group_location attribute provides the starting position for a Group_Field_Binary within the containing Record_Binary or Group_Field_Binary class, in bytes. Location '1' denotes the first byte of the containing class.</xs:documentation> </xs:annotation> <xs:simpleContent> </pre>										

```
<xs:extension base="pds:group_location_WO_Units">
  <xs:attribute name="unit" type="pds:Units_of_Storage" use="required" />
</xs:extension>
</xs:simpleContent>
</xs:complexType>
```

Complex Type pds:group_length

Namespace	http://pds.nasa.gov/pds4/pds/v1								
Annotations	The group_length attribute provides the total length, in bytes, of a repeating field and/or group structure. It is the number of bytes in the repeating fields/groups plus any embedded unused bytes that are also repeated multiplied by the number of repetitions.								
Diagram									
Type	extension of pds:group_length_WO_Units								
Type hierarchy	<ul style="list-style-type: none"> xs:integer pds:ASCII_Integer pds:group_length_WO_Units pds:group_length 								
Used by	Elements pds:Group_Field_Binary/pds:group_length, pds:Group_Field_Character/pds:group_length								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Storage</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Storage	required		
QName	Type	Use							
unit	pds:Units_of_Storage	required							
Source	<pre><xs:complexType name="group_length"> <xs:annotation> <xs:documentation>The group_length attribute provides the total length, in bytes, of a repeating field and/or group structure. It is the number of bytes in the repeating fields/groups plus any embedded unused bytes that are also repeated multiplied by the number of repetitions.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="pds:group_length_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Storage" use="required" /> </xs:extension> </xs:simpleContent> </xs:complexType></pre>								

Complex Type pds:Archival_Information_Package

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Annotations	The Archival Information Package (AIP) class defines an Information Package consisting of the Content Information and the associated Preservation Description Information (PDI), which is preserved within an archive that conforms to the Open Archive Information System (OAIS) Reference Model.		
Diagram			
Type	restriction of pds:Information_Package		
Type hierarchy	<ul style="list-style-type: none"> pds:Information_Package 		

	<ul style="list-style-type: none"> • pds:Archival_Information_Package
Used by	Element pds:Product_AIP/pds:Archival_Information_Package
Model	pds:description
Children	pds:description
Source	<pre><xs:complexType name="Archival_Information_Package"> <xs:annotation> <xs:documentation>The Archival Information Package (AIP) class defines an Information Package consisting of the Content Information and the associated Preservation Description Information (PDI), which is preserved within an archive that conforms to the Open Archive Information System (OAIS) Reference Model.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:restriction base="pds:Information_Package"> <xs:sequence> <xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:restriction> </xs:complexContent> </xs:complexType></pre>

Complex Type pds:Information_Package

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Information Package class defines the Information Package as described in the OAIS Reference Model and is the parent class of all specific IP classes.
Diagram	<p>The Information Package class defines the Information Package as described in the OAIS Reference Model and is the...</p>
Used by	Complex Types pds:Archival_Information_Package, pds:DIP_Deep_Archive, pds:Dissemination_Information_Package, pds:SIP_Deep_Archive, pds:Submission_Information_Package
Model	pds:description
Children	pds:description
Source	<pre><xs:complexType name="Information_Package"> <xs:annotation> <xs:documentation>The Information Package class defines the Information Package as described in the OAIS Reference Model and is the parent class of all specific IP classes.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType></pre>

Complex Type pds:Product_Attribute_Definition

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Product Attribute Definition provides an attribute definition in XML encoding.
Diagram	<p>The Product Attribute Definition provides an attribute definition in XML encoding.</p> <p>A Product is a uniquely identified object that is managed by a registry/repository. It consists of one or more tagged...</p>
Type	extension of pds:Product
Type hierarchy	<ul style="list-style-type: none"> • pds:Product • pds:Product_Attribute_Definition

Used by	Element pds:Product_Attribute_Definition
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:DD_Attribute_Full
Children	pds:DD_Attribute_Full, pds:Identification_Area, pds:Reference_List
Source	<pre> <xs:complexType name="Product_Attribute_Definition"> <xs:annotation> <xs:documentation>The Product Attribute Definition provides an attribute definition in XML encoding.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Product"> <xs:sequence> <xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="DD_Attribute_Full" type="pds:DD_Attribute_Full" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:DD_Attribute_Full

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The DD_Attribute_Full class provides a more complete definition of an attribute in the data dictionary.
Diagram	
Used by	Element pds:Product_Attribute_Definition/pds:DD_Attribute_Full
Model	pds:name , pds:version_id , pds:class_name , pds:local_identifier , pds:steward_id , pds:type , pds:namespace_id , pds:nillable_flag , pds:submitter_name , pds:definition , pds:comment{0,1} , pds:registered_by , pds:registration_authority_id , pds:attribute_concept , pds:Terminological_Entry+ , pds:DD_Value_Domain_Full{0,1}
Children	pds:DD_Value_Domain_Full, pds:Terminological_Entry, pds:attribute_concept, pds:class_name, pds:comment, pds:definition, pds:local_identifier, pds:name, pds:namespace_id, pds:nillable_flag, pds:registered_by, pds:registration_authority_id, pds:steward_id, pds:submitter_name, pds:type, pds:version_id
Source	<pre> <xs:complexType name="DD_Attribute_Full"> <xs:annotation> <xs:documentation>The DD_Attribute_Full class provides a more complete definition of an attribute in the data dictionary.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"> </pre>

```

</xs:element>
<xs:element name="version_id" type="pds:version_id" minOccurs="1" maxOccurs="1">
</xs:element>
<xs:element name="class_name" type="pds:class_name" minOccurs="1" maxOccurs="1">
</xs:element>
<xs:element name="local_identifier" type="pds:local_identifier" minOccurs="1" maxOccurs="1">
</xs:element>
<xs:element name="steward_id" type="pds:steward_id" minOccurs="1" maxOccurs="1">
</xs:element>
<xs:element name="type" type="pds:type" minOccurs="1" maxOccurs="1">
</xs:element>
<xs:element name="namespace_id" type="pds:namespace_id" minOccurs="1" maxOccurs="1">
</xs:element>
<xs:element name="nillable_flag" type="pds:nillable_flag" minOccurs="1" maxOccurs="1">
</xs:element>
<xs:element name="submitter_name" type="pds:submitter_name" minOccurs="1" maxOccurs="1">
</xs:element>
<xs:element name="definition" type="pds:definition" minOccurs="1" maxOccurs="1">
</xs:element>
<xs:element name="comment" type="pds:comment" minOccurs="0" maxOccurs="1">
</xs:element>
<xs:element name="registered_by" type="pds:registered_by" minOccurs="1" maxOccurs="1">
</xs:element>
<xs:element name="registration_authority_id" type="pds:registration_authority_id" minOccurs="1"
maxOccurs="1">
</xs:element>
<xs:element name="attribute_concept" type="pds:attribute_concept" minOccurs="1" maxOccurs="1">
</xs:element>
<xs:element name="Terminological_Entry" type="pds:Terminological_Entry" minOccurs="1"
maxOccurs="unbounded">
</xs:element>
<xs:element name="DD_Value_Domain_Full" type="pds:DD_Value_Domain_Full" minOccurs="0"
maxOccurs="1">
</xs:element>
</xs:sequence>
</xs:complexType>
    
```

Complex Type pds:DD_Value_Domain_Full

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The DD_Value_Domain_Full class provides a more complete definition of a attribute's value domain.
Diagram	
Used by	Element pds:DD_Attribute_Full/pds:DD_Value_Domain_Full
Model	pds:enumeration_flag , pds:value_data_type , pds:formation_rule{0,1} , pds:minimum_characters{0,1} , pds:maximum_characters{0,1} , pds:minimum_value{0,1} , pds:maximum_value{0,1} , pds:pattern{0,1} , pds:unit_of_measure_type{0,1} , pds:conceptual_domain , pds:specified_unit_id{0,1} , pds:DD_Permissible_Value_Full*
Children	pds:DD_Permissible_Value_Full, pds:conceptual_domain, pds:enumeration_flag, pds:formation_rule, pds:maximum_characters, pds:maximum_value, pds:minimum_characters, pds:minimum_value, pds:pattern, pds:specified_unit_id, pds:unit_of_measure_type, pds:value_data_type
Source	<xs:complexType name="DD_Value_Domain_Full"> <xs:annotation>

```

    <xs:documentation>The DD_Value_Domain_Full class provides a more complete definition of a
    attribute's value domain.</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="enumeration_flag" type="pds:enumeration_flag" minOccurs="1" maxOccurs="1">
    </xs:element>
    <xs:element name="value_data_type" type="pds:value_data_type" minOccurs="1" maxOccurs="1">
    </xs:element>
    <xs:element name="formation_rule" type="pds:formation_rule" minOccurs="0" maxOccurs="1">
    </xs:element>
    <xs:element name="minimum_characters" type="pds:minimum_characters" minOccurs="0" maxOccurs="1">
    </xs:element>
    <xs:element name="maximum_characters" type="pds:maximum_characters" minOccurs="0" maxOccurs="1">
    </xs:element>
    <xs:element name="minimum_value" type="pds:minimum_value" minOccurs="0" maxOccurs="1">
    </xs:element>
    <xs:element name="maximum_value" type="pds:maximum_value" minOccurs="0" maxOccurs="1">
    </xs:element>
    <xs:element name="pattern" type="pds:pattern" minOccurs="0" maxOccurs="1">
    </xs:element>
    <xs:element name="unit_of_measure_type" type="pds:unit_of_measure_type" minOccurs="0"
    maxOccurs="1">
    </xs:element>
    <xs:element name="conceptual_domain" type="pds:conceptual_domain" minOccurs="1" maxOccurs="1">
    </xs:element>
    <xs:element name="specified_unit_id" type="pds:specified_unit_id" minOccurs="0" maxOccurs="1">
    </xs:element>
    <xs:element name="DD_Permissible_Value_Full" type="pds:DD_Permissible_Value_Full" minOccurs="0"
    maxOccurs="unbounded">
    </xs:element>
  </xs:sequence>
</xs:complexType>

```

Complex Type pds:DD_Permissible_Value_Full

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The DD_Permissible_Value_Full class lists permissible values, their meanings, and the dates when active.
Diagram	
Used by	Element pds:DD_Value_Domain_Full/pds:DD_Permissible_Value_Full
Model	pds:value , pds:value_meaning{0,1} , pds:value_begin_date , pds:value_end_date , pds:Terminological_Entry*
Children	pds:Terminological_Entry, pds:value, pds:value_begin_date, pds:value_end_date, pds:value_meaning
Source	<pre> <xs:complexType name="DD_Permissible_Value_Full"> <xs:annotation> <xs:documentation>The DD_Permissible_Value_Full class lists permissible values, their meanings, and the dates when active.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="value" type="pds:value" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="value_meaning" type="pds:value_meaning" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="value_begin_date" type="pds:value_begin_date" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="value_end_date" type="pds:value_end_date" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="Terminological_Entry" type="pds:Terminological_Entry" minOccurs="0" maxOccurs="unbounded"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Product_Browse

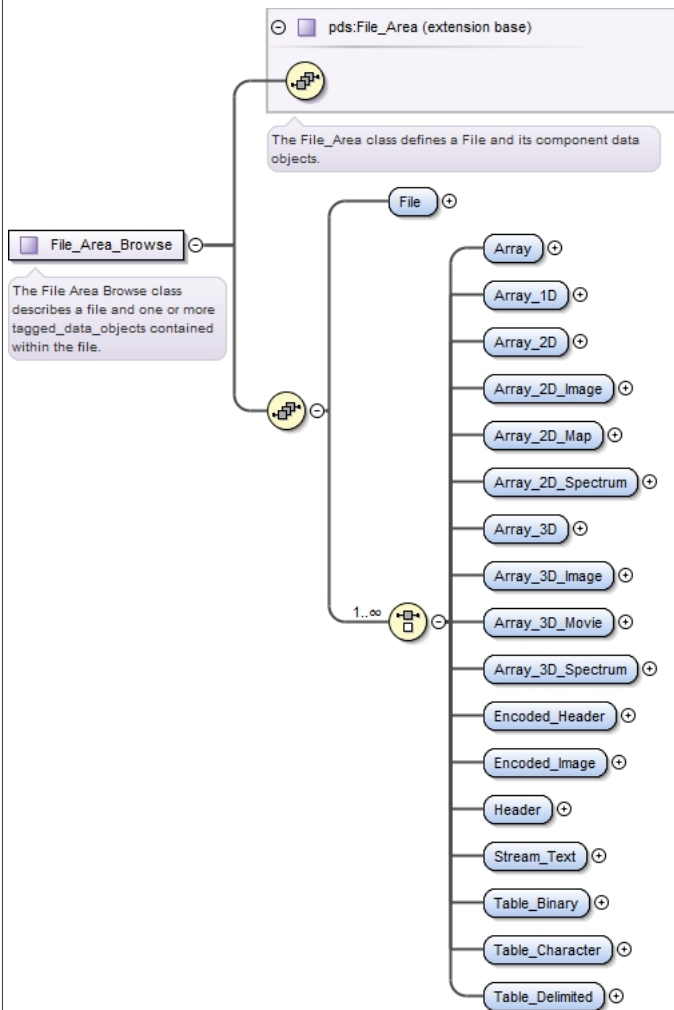
Namespace	http://pds.nasa.gov/pds4/pds/v1
-----------	---------------------------------

Annotations	The Product Browse class defines a product consisting of one encoded byte stream digital object.
Diagram	<p>The diagram illustrates the structure of the Product_Browse class. It is an extension of the pds:Product class. Product_Browse contains three elements: Identification_Area, Reference_List, and File_Area_Browse. Identification_Area and Reference_List are optional elements (0..1), while File_Area_Browse is a required element (1..∞). A note states: 'A Product is a uniquely identified object that is managed by a registry/repository. It consists of one or more tagged...'</p>
Type	extension of pds:Product
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_Browse
Used by	Element pds:Product_Browse
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:File_Area_Browse+
Children	pds:File_Area_Browse, pds:Identification_Area, pds:Reference_List
Source	<pre> <xs:complexType name="Product_Browse"> <xs:annotation> <xs:documentation>The Product Browse class defines a product consisting of one encoded byte stream digital object.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Product"> <xs:sequence> <xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="File_Area_Browse" type="pds:File_Area_Browse" minOccurs="1" maxOccurs="unbounded"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:File_Area_Browse

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The File Area Browse class describes a file and one or more tagged_data_objects contained within the file.

Diagram



Type	extension of pds:File_Area
Type hierarchy	<ul style="list-style-type: none"> pds:File_Area pds:File_Area_Browse
Used by	Element pds:Product_Browse/pds:File_Area_Browse
Model	pds:File , (pds:Array pds:Array_1D pds:Array_2D pds:Array_2D_Image pds:Array_2D_Map pds:Array_2D_Spectrum pds:Array_3D pds:Array_3D_Image pds:Array_3D_Movie pds:Array_3D_Spectrum pds:Encoded_Header pds:Encoded_Image pds:Header pds:Stream_Text pds:Table_Binary pds:Table_Character pds:Table_Delimited)
Children	pds:Array, pds:Array_1D, pds:Array_2D, pds:Array_2D_Image, pds:Array_2D_Map, pds:Array_2D_Spectrum, pds:Array_3D, pds:Array_3D_Image, pds:Array_3D_Movie, pds:Array_3D_Spectrum, pds:Encoded_Header, pds:Encoded_Image, pds:File, pds:Header, pds:Stream_Text, pds:Table_Binary, pds:Table_Character, pds:Table_Delimited
Source	<pre> <xs:complexType name="File_Area_Browse"> <xs:annotation> <xs:documentation>The File Area Browse class describes a file and one or more tagged_data_objects contained within the file.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:File_Area"> <xs:sequence> <xs:element name="File" type="pds:File" minOccurs="1" maxOccurs="1"> </xs:element> <xs:choice minOccurs="1" maxOccurs="unbounded"> <xs:element name="Array" type="pds:Array"> </xs:element> <xs:element name="Array_1D" type="pds:Array_1D"> </xs:element> <xs:element name="Array_2D" type="pds:Array_2D"> </xs:element> <xs:element name="Array_2D_Image" type="pds:Array_2D_Image"> </xs:element> <xs:element name="Array_2D_Map" type="pds:Array_2D_Map"> </xs:element> </xs:choice> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

```

<xs:element name="Array_2D_Spectrum" type="pds:Array_2D_Spectrum">
</xs:element>
<xs:element name="Array_3D" type="pds:Array_3D">
</xs:element>
<xs:element name="Array_3D_Image" type="pds:Array_3D_Image">
</xs:element>
<xs:element name="Array_3D_Movie" type="pds:Array_3D_Movie">
</xs:element>
<xs:element name="Array_3D_Spectrum" type="pds:Array_3D_Spectrum">
</xs:element>
<xs:element name="Encoded_Header" type="pds:Encoded_Header">
</xs:element>
<xs:element name="Encoded_Image" type="pds:Encoded_Image">
</xs:element>
<xs:element name="Header" type="pds:Header">
</xs:element>
<xs:element name="Stream_Text" type="pds:Stream_Text">
</xs:element>
<xs:element name="Table_Binary" type="pds:Table_Binary">
</xs:element>
<xs:element name="Table_Character" type="pds:Table_Character">
</xs:element>
<xs:element name="Table_Delimited" type="pds:Table_Delimited">
</xs:element>
</xs:choice>
</xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>

```

Complex Type pds:Array

Namespace	http://pds.nasa.gov/pds4/pds/v1				
Annotations	The Array class defines a homogeneous N-dimensional array of scalars. The Array class is the parent class for all n-dimensional arrays of scalars.				
Diagram					
Type	extension of pds:Byte_Stream				
Type hierarchy	<ul style="list-style-type: none"> pds:Byte_Stream pds:Array 				
Used by	<table border="0"> <tr> <td>Elements</td> <td>pds:File_Area_Browse/pds:Array, pds:File_Area_Observational/pds:Array, pds:File_Area_Observational_Supplemental/pds:Array</td> </tr> <tr> <td>Complex Types</td> <td>pds:Array_1D, pds:Array_2D, pds:Array_3D</td> </tr> </table>	Elements	pds:File_Area_Browse/pds:Array, pds:File_Area_Observational/pds:Array, pds:File_Area_Observational_Supplemental/pds:Array	Complex Types	pds:Array_1D, pds:Array_2D, pds:Array_3D
Elements	pds:File_Area_Browse/pds:Array, pds:File_Area_Observational/pds:Array, pds:File_Area_Observational_Supplemental/pds:Array				
Complex Types	pds:Array_1D, pds:Array_2D, pds:Array_3D				
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array+ , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference*				
Children	pds:Axis_Array, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset				

Source	<pre> <xs:complexType name="Array"> <xs:annotation> <xs:documentation>The Array class defines a homogeneous N-dimensional array of scalars. The Array class is the parent class for all n-dimensional arrays of scalars.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Byte_Stream"> <xs:sequence> <xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="axes" type="pds:axes" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="axis_index_order" type="pds:axis_index_order" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Element_Array" type="pds:Element_Array" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="Axis_Array" type="pds:Axis_Array" minOccurs="1" maxOccurs="unbounded"> </xs:element> <xs:element name="Special_Constants" type="pds:Special_Constants" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Object_Statistics" type="pds:Object_Statistics" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Local_Internal_Reference" type="pds:Local_Internal_Reference" minOccurs="0" maxOccurs="unbounded"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>
--------	--

Complex Type pds:Element_Array

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Element Array class is used as a component of the array class and defines an element of the array.
Diagram	
Used by	Elements pds:Array/pds:Element_Array, pds:Array_1D/pds:Element_Array, pds:Array_2D/pds:Element_Array, pds:Array_3D/pds:Element_Array, pds:Array_3D_Image/pds:Element_Array, pds:Array_3D_Movie/pds:Element_Array, pds:Array_3D_Spectrum/pds:Element_Array
Model	pds:data_type , pds:unit{0,1} , pds:scaling_factor{0,1} , pds:value_offset{0,1}
Children	pds:data_type, pds:scaling_factor, pds:unit, pds:value_offset
Source	<pre> <xs:complexType name="Element_Array"> <xs:annotation> <xs:documentation>The Element Array class is used as a component of the array class and defines an element of the array.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="data_type" type="pds:data_type" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="unit" type="pds:unit" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="scaling_factor" type="pds:scaling_factor" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="value_offset" type="pds:value_offset" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Axis_Array

Namespace	http://pds.nasa.gov/pds4/pds/v1
-----------	---------------------------------

Annotations	The Axis Array class is used as a component of the array class and defines an axis of the array.
Diagram	
Used by	Elements pds:Array/pds:Axis_Array, pds:Array_1D/pds:Axis_Array, pds:Array_2D/pds:Axis_Array, pds:Array_3D/pds:Axis_Array, pds:Array_3D_Image/pds:Axis_Array, pds:Array_3D_Movie/pds:Axis_Array, pds:Array_3D_Spectrum/pds:Axis_Array
Model	pds:axis_name , pds:local_identifier{0,1} , pds:elements , pds:unit{0,1} , pds:sequence_number , pds:Band_Bin_Set{0,1}
Children	pds:Band_Bin_Set, pds:axis_name, pds:elements, pds:local_identifier, pds:sequence_number, pds:unit
Source	<pre> <xs:complexType name="Axis_Array"> <xs:annotation> <xs:documentation>The Axis Array class is used as a component of the array class and defines an axis of the array.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="axis_name" type="pds:axis_name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="elements" type="pds:elements" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="unit" type="pds:unit" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="sequence_number" type="pds:sequence_number" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="Band_Bin_Set" type="pds:Band_Bin_Set" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Band_Bin_Set

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Band_Bin_Set class contains the spectral characteristics for all the spectral bands in a qube.
Diagram	
Used by	Element pds:Axis_Array/pds:Band_Bin_Set
Model	pds:Band_Bin+
Children	pds:Band_Bin
Source	<pre> <xs:complexType name="Band_Bin_Set"> <xs:annotation> <xs:documentation>The Band_Bin_Set class contains the spectral characteristics for all the spectral bands in a qube.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="Band_Bin" type="pds:Band_Bin" minOccurs="1" maxOccurs="unbounded"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Band_Bin

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Annotations	The Band_Bin class specifies the characteristics of an individual spectral band in a spectral qube.
Diagram	
Used by	Element pds:Band_Bin_Set/pds:Band_Bin
Model	pds:band_number , pds:band_width , pds:center_wavelength , pds:detector_number{0,1} , pds:filter_number{0,1} , pds:grating_position{0,1} , pds:original_band{0,1} , pds:standard_deviation{0,1} , pds:scaling_factor{0,1} , pds:value_offset{0,1}
Children	pds:band_number, pds:band_width, pds:center_wavelength, pds:detector_number, pds:filter_number, pds:grating_position, pds:original_band, pds:scaling_factor, pds:standard_deviation, pds:value_offset
Source	<pre> <xs:complexType name="Band_Bin"> <xs:annotation> <xs:documentation>The Band_Bin class specifies the characteristics of an individual spectral band in a spectral qube.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="band_number" type="pds:band_number" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="band_width" type="pds:band_width" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="center_wavelength" type="pds:center_wavelength" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="detector_number" type="pds:detector_number" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="filter_number" type="pds:filter_number" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="grating_position" type="pds:grating_position" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="original_band" type="pds:original_band" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="standard_deviation" type="pds:standard_deviation" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="scaling_factor" type="pds:scaling_factor" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="value_offset" type="pds:value_offset" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:band_width

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The band_width attributes provides the width, at half height, of the band.
Diagram	
Type	extension of pds:band_width_WO_Units
Type hierarchy	<ul style="list-style-type: none"> xs:double

	<ul style="list-style-type: none"> pds:ASCII_Real pds:band_width_WO_Units pds:band_width 			
Used by	Element pds:Band_Bin/pds:band_width			
Attributes	QName	Type	Use	
	unit	pds:Units_of_Length	required	
Source	<pre> <xs:complexType name="band_width"> <xs:annotation> <xs:documentation>The band_width attributes provides the width, at half height, of the band.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="pds:band_width_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Length" use="required" /> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>			

Complex Type pds:center_wavelength

Namespace	http://pds.nasa.gov/pds4/pds/v1			
Annotations	The center_wavelength attribute provides the wavelength or frequency describing the center of a bin along the band axis of a spectral cube. When describing data from a spectrometer, the value corresponds to the peak of the response function for a particular detector and/or grating position.			
Diagram				
Type	extension of pds:center_wavelength_WO_Units			
Type hierarchy	<ul style="list-style-type: none"> xs:double pds:ASCII_Real pds:center_wavelength_WO_Units pds:center_wavelength 			
Used by	Element	pds:Band_Bin/pds:center_wavelength		
Attributes	QName	Type	Use	
	unit	pds:Units_of_Length	required	
Source	<pre> <xs:complexType name="center_wavelength"> <xs:annotation> <xs:documentation>The center_wavelength attribute provides the wavelength or frequency describing the center of a bin along the band axis of a spectral cube. When describing data from a spectrometer, the value corresponds to the peak of the response function for a particular detector and/or grating position.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="pds:center_wavelength_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Length" use="required" /> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>			

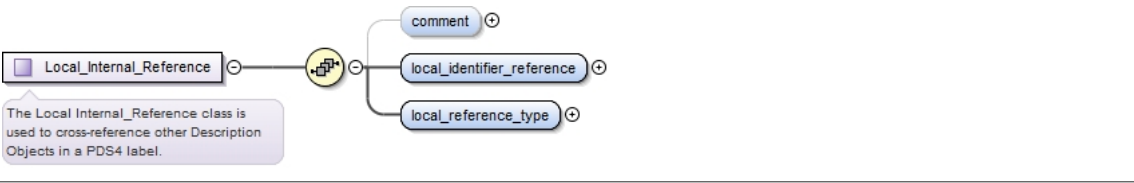
Complex Type pds:Object_Statistics

Namespace	http://pds.nasa.gov/pds4/pds/v1			
Annotations	The Object Statistics class provides a set of values that provide metrics about the object.			

<p>Diagram</p>	
<p>Used by</p>	<p>Elements pds:Array/pds:Object_Statistics, pds:Array_1D/pds:Object_Statistics, pds:Array_2D/pds:Object_Statistics, pds:Array_3D/pds:Object_Statistics, pds:Array_3D_Image/pds:Object_Statistics, pds:Array_3D_Movie/pds:Object_Statistics, pds:Array_3D_Spectrum/pds:Object_Statistics</p>
<p>Model</p>	<p>pds:local_identifer{0,1} , pds:maximum{0,1} , pds:minimum{0,1} , pds:mean{0,1} , pds:standard_deviation{0,1} , pds:bit_mask{0,1} , pds:median{0,1} , pds:md5_checksum{0,1} , pds:maximum_scaled_value{0,1} , pds:minimum_scaled_value{0,1} , pds:description{0,1}</p>
<p>Children</p>	<p>pds:bit_mask, pds:description, pds:local_identifer, pds:maximum, pds:maximum_scaled_value, pds:md5_checksum, pds:mean, pds:median, pds:minimum, pds:minimum_scaled_value, pds:standard_deviation</p>
<p>Source</p>	<pre> <xs:complexType name="Object_Statistics"> <xs:annotation> <xs:documentation>The Object Statistics class provides a set of values that provide metrics about the object.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="local_identifer" type="pds:local_identifer" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="maximum" type="pds:maximum" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="minimum" type="pds:minimum" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="mean" type="pds:mean" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="standard_deviation" type="pds:standard_deviation" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="bit_mask" type="pds:bit_mask" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="median" type="pds:median" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="md5_checksum" type="pds:md5_checksum" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="maximum_scaled_value" type="pds:maximum_scaled_value" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="minimum_scaled_value" type="pds:minimum_scaled_value" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Local_Internal_Reference

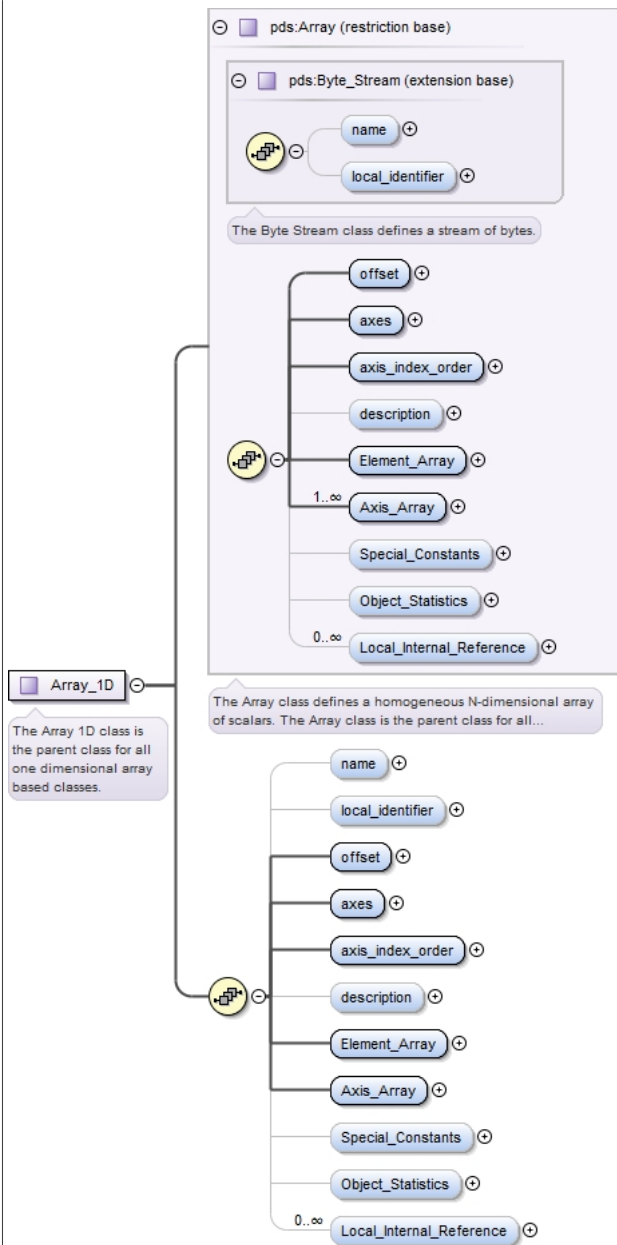
<p>Namespace</p>	<p>http://pds.nasa.gov/pds4/pds/v1</p>
<p>Annotations</p>	<p>The Local_Internal_Reference class is used to cross-reference other Description Objects in a PDS4 label.</p>

Diagram	
Used by	<p>Elements</p> <p>pds:Array/pds:Local_Internal_Reference, pds:Array_1D/pds:Local_Internal_Reference, pds:Array_2D/pds:Local_Internal_Reference, pds:Array_3D/pds:Local_Internal_Reference, pds:Array_3D_Image/pds:Local_Internal_Reference, pds:Array_3D_Movie/pds:Local_Internal_Reference, pds:Array_3D_Spectrum/pds:Local_Internal_Reference</p>
Model	<p>pds:comment{0,1} , pds:local_identifier_reference , pds:local_reference_type</p>
Children	<p>pds:comment, pds:local_identifier_reference, pds:local_reference_type</p>
Source	<pre data-bbox="306 584 1445 931"><xs:complexType name="Local_Internal_Reference"> <xs:annotation> <xs:documentation>The Local_Internal_Reference class is used to cross-reference other Description Objects in a PDS4 label.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="comment" type="pds:comment" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="local_identifier_reference" type="pds:local_identifier_reference" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="local_reference_type" type="pds:local_reference_type" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType></pre>

Complex Type pds:Array_1D

Namespace	<p>http://pds.nasa.gov/pds4/pds/v1</p>
Annotations	<p>The Array 1D class is the parent class for all one dimensional array based classes.</p>

Diagram



Type	restriction of pds:Array
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Array • pds:Array_1D
Used by	Elements pds:File_Area_Browse/pds:Array_1D, pds:File_Area_Observational/pds:Array_1D, pds:File_Area_Observational_Supplemental/pds:Array_1D
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference*
Children	pds:Axis_Array, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Source	<pre> <xs:complexType name="Array_1D"> <xs:annotation> <xs:documentation>The Array 1D class is the parent class for all one dimensional array based classes.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:restriction base="pds:Array"> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </pre>

```

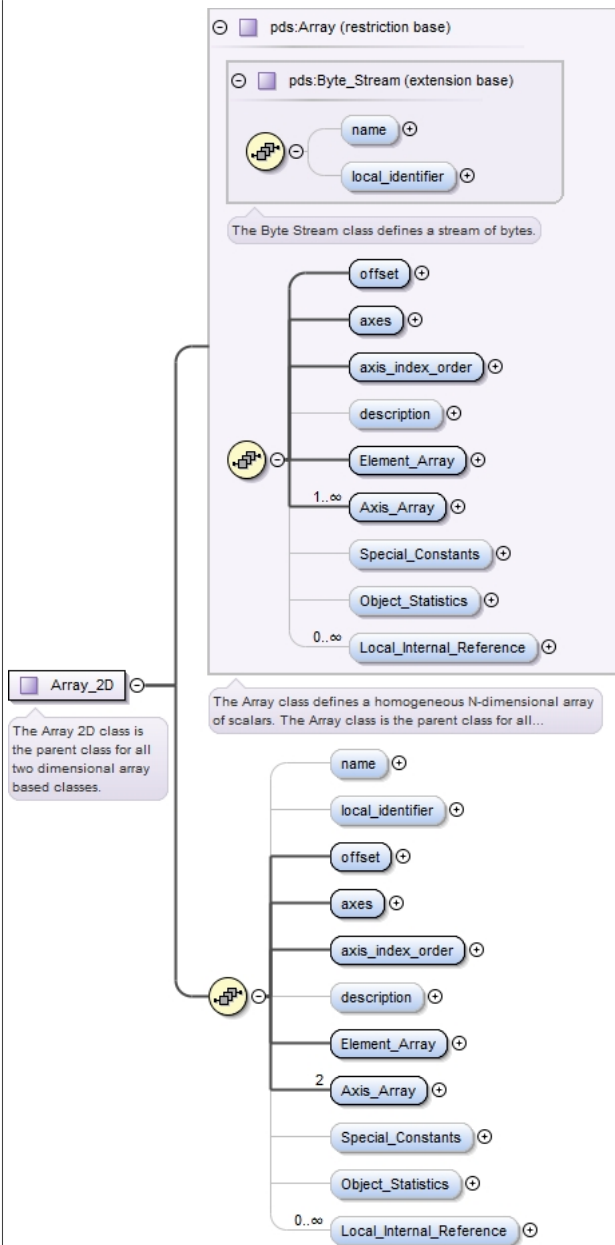
</xs:element>
<xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1">
</xs:element>
<xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1">
</xs:element>
<xs:element name="axes" type="pds:axes" minOccurs="1" maxOccurs="1">
</xs:element>
<xs:element name="axis_index_order" type="pds:axis_index_order" minOccurs="1" maxOccurs="1">
</xs:element>
<xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1">
</xs:element>
<xs:element name="Element_Array" type="pds:Element_Array" minOccurs="1" maxOccurs="1">
</xs:element>
<xs:element name="Axis_Array" type="pds:Axis_Array" minOccurs="1" maxOccurs="1">
</xs:element>
<xs:element name="Special_Constants" type="pds:Special_Constants" minOccurs="0"
maxOccurs="1">
</xs:element>
<xs:element name="Object_Statistics" type="pds:Object_Statistics" minOccurs="0"
maxOccurs="1">
</xs:element>
<xs:element name="Local_Internal_Reference" type="pds:Local_Internal_Reference"
minOccurs="0" maxOccurs="unbounded">
</xs:element>
</xs:sequence>
</xs:restriction>
</xs:complexContent>
</xs:complexType>

```

Complex Type pds:Array_2D

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Array 2D class is the parent class for all two dimensional array based classes.

Diagram



Type	restriction of pds:Array
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Array • pds:Array_2D
Used by	<p>Elements pds:File_Area_Browse/pds:Array_2D, pds:File_Area_Observational/pds:Array_2D, pds:File_Area_Observational_Supplemental/pds:Array_2D</p> <p>Complex Types pds:Array_2D_Image, pds:Array_2D_Map, pds:Array_2D_Spectrum</p>
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array{2,2} , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference*
Children	pds:Axis_Array, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Source	<pre> <xs:complexType name="Array_2D"> <xs:annotation> <xs:documentation>The Array 2D class is the parent class for all two dimensional array based classes.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:restriction base="pds:Array"> <xs:sequence> </pre>

```

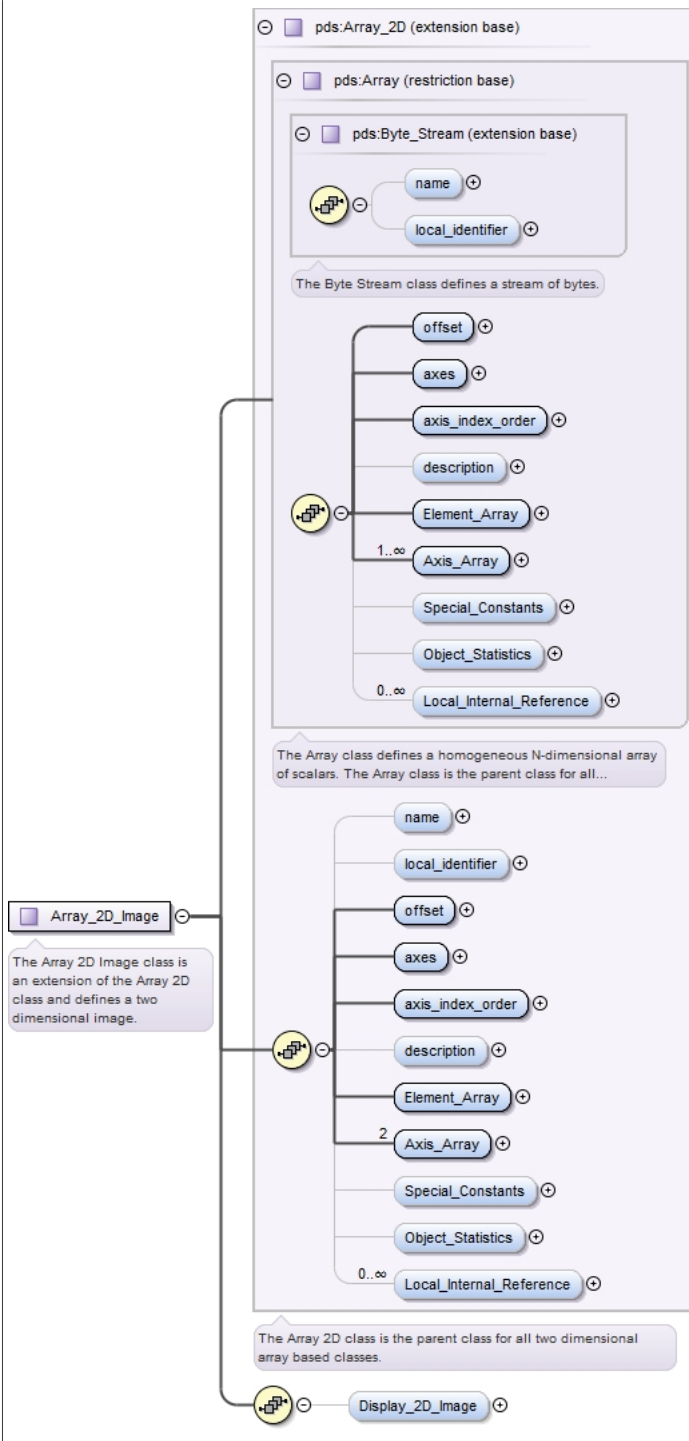
<xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1">
</xs:element>
<xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1">
</xs:element>
<xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1">
</xs:element>
<xs:element name="axes" type="pds:axes" minOccurs="1" maxOccurs="1">
</xs:element>
<xs:element name="axis_index_order" type="pds:axis_index_order" minOccurs="1" maxOccurs="1">
</xs:element>
<xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1">
</xs:element>
<xs:element name="Element_Array" type="pds:Element_Array" minOccurs="1" maxOccurs="1">
</xs:element>
<xs:element name="Axis_Array" type="pds:Axis_Array" minOccurs="2" maxOccurs="2">
</xs:element>
<xs:element name="Special_Constants" type="pds:Special_Constants" minOccurs="0"
maxOccurs="1">
</xs:element>
<xs:element name="Object_Statistics" type="pds:Object_Statistics" minOccurs="0"
maxOccurs="1">
</xs:element>
<xs:element name="Local_Internal_Reference" type="pds:Local_Internal_Reference"
minOccurs="0" maxOccurs="unbounded">
</xs:element>
</xs:sequence>
</xs:restriction>
</xs:complexContent>
</xs:complexType>

```

Complex Type pds:Array_2D_Image

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Array 2D Image class is an extension of the Array 2D class and defines a two dimensional image.

Diagram



Type	extension of pds:Array_2D
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Array <ul style="list-style-type: none"> • pds:Array_2D <ul style="list-style-type: none"> • pds:Array_2D_Image
Used by	Elements pds:File_Area_Browse/pds:Array_2D_Image, pds:File_Area_Observational/pds:Array_2D_Image, pds:File_Area_Observational_Supplemental/pds:Array_2D_Image
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array{2,2} , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference* , pds:Display_2D_Image{0,1}

Children	pds:Axis_Array, pds:Display_2D_Image, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Source	<pre><xs:complexType name="Array_2D_Image"> <xs:annotation> <xs:documentation>The Array 2D Image class is an extension of the Array 2D class and defines a two dimensional image.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Array_2D"> <xs:sequence> <xs:element name="Display_2D_Image" type="pds:Display_2D_Image" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType></pre>

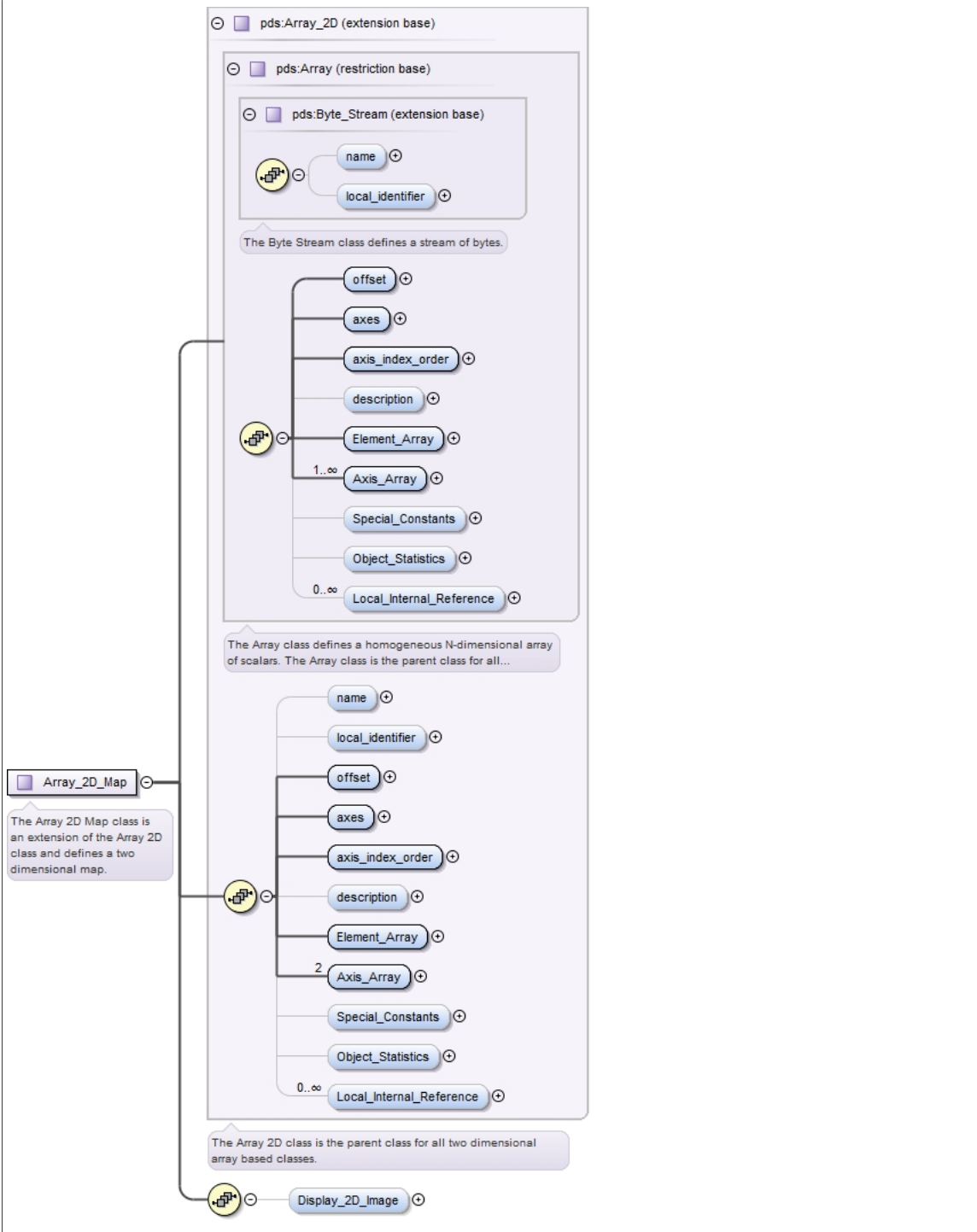
Complex Type pds:Display_2D_Image

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Display_2D_Image class provides attributes to enable the display of a 2 dimensional image.
Diagram	
Used by	Elements pds:Array_2D_Image/pds:Display_2D_Image, pds:Array_2D_Map/pds:Display_2D_Image, pds:Array_2D_Spectrum/pds:Display_2D_Image
Model	pds:line_display_direction, pds:sample_display_direction
Children	pds:line_display_direction, pds:sample_display_direction
Source	<pre><xs:complexType name="Display_2D_Image"> <xs:annotation> <xs:documentation>The Display_2D_Image class provides attributes to enable the display of a 2 dimensional image.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="line_display_direction" type="pds:line_display_direction" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="sample_display_direction" type="pds:sample_display_direction" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType></pre>

Complex Type pds:Array_2D_Map

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Array 2D Map class is an extension of the Array 2D class and defines a two dimensional map.

Diagram



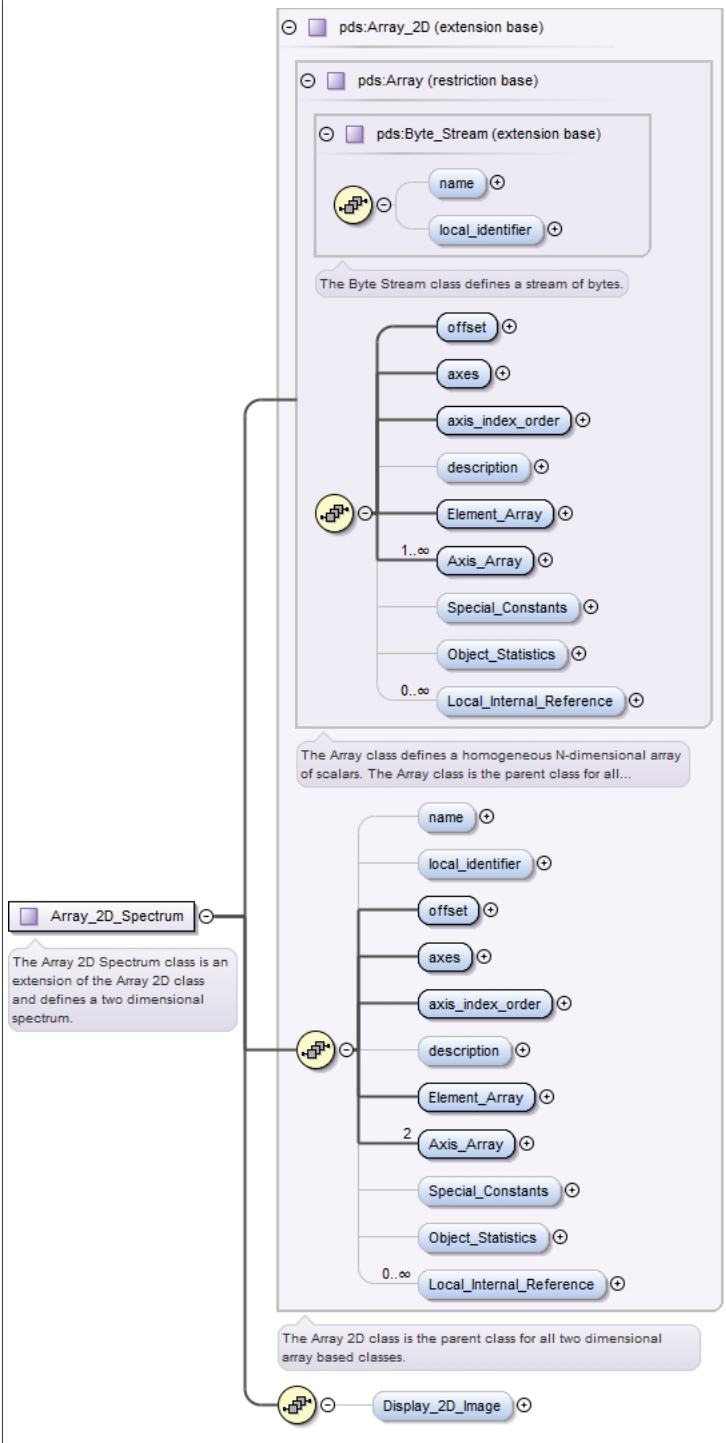
Type	extension of pds:Array_2D
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Array <ul style="list-style-type: none"> • pds:Array_2D <ul style="list-style-type: none"> • pds:Array_2D_Map
Used by	Elements pds:File_Area_Browse/pds:Array_2D_Map, pds:File_Area_Observational/pds:Array_2D_Map, pds:File_Area_Observational_Supplemental/pds:Array_2D_Map
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array{2,2} , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference* , pds:Display_2D_Image{0,1}

Children	pds:Axis_Array, pds:Display_2D_Image, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Source	<pre> <xs:complexType name="Array_2D_Map"> <xs:annotation> <xs:documentation>The Array 2D Map class is an extension of the Array 2D class and defines a two dimensional map.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Array_2D"> <xs:sequence> <xs:element name="Display_2D_Image" type="pds:Display_2D_Image" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Array_2D_Spectrum

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Array 2D Spectrum class is an extension of the Array 2D class and defines a two dimensional spectrum.

Diagram



Type	extension of pds:Array_2D
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Array <ul style="list-style-type: none"> • pds:Array_2D <ul style="list-style-type: none"> • pds:Array_2D_Spectrum
Used by	Elements <code>pds:File_Area_Browse/pds:Array_2D_Spectrum</code> , <code>pds:File_Area_Observational/pds:Array_2D_Spectrum</code> , <code>pds:File_Area_Observational_Supplemental/pds:Array_2D_Spectrum</code>
Model	<code>pds:name{0,1}</code> , <code>pds:local_identifier{0,1}</code> , <code>pds:offset</code> , <code>pds:axes</code> , <code>pds:axis_index_order</code> , <code>pds:description{0,1}</code> , <code>pds:Element_Array</code> , <code>pds:Axis_Array{2,2}</code> , <code>pds:Special_Constants{0,1}</code> , <code>pds:Object_Statistics{0,1}</code> , <code>pds:Local_Internal_Reference*</code> , <code>pds:Display_2D_Image{0,1}</code>

Children	pds:Axis_Array, pds:Display_2D_Image, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Source	<pre> <xs:complexType name="Array_2D_Spectrum"> <xs:annotation> <xs:documentation>The Array 2D Spectrum class is an extension of the Array 2D class and defines a two dimensional spectrum.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Array_2D"> <xs:sequence> <xs:element name="Display_2D_Image" type="pds:Display_2D_Image" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Array_3D

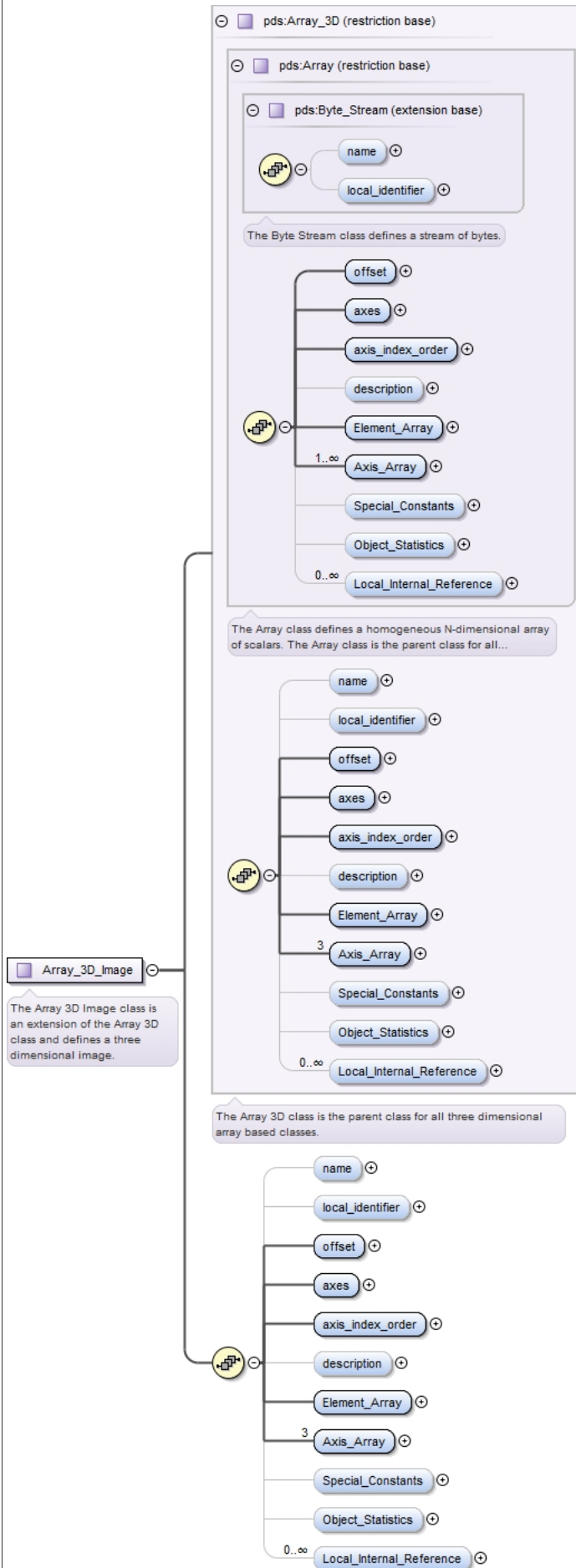
Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Array 3D class is the parent class for all three dimensional array based classes.
Diagram	<p>The diagram illustrates the class hierarchy for pds:Array_3D. It shows three classes: pds:Array (restriction base), pds:Byte_Stream (extension base), and Array_3D. pds:Array is the base class with elements: name, local_identifier, offset, axes, axis_index_order, description, Element_Array, Axis_Array (1..∞), Special_Constants, Object_Statistics, and Local_Internal_Reference (0..∞). pds:Byte_Stream extends pds:Array with name and local_identifier. Array_3D extends pds:Array with name, local_identifier, offset, axes, axis_index_order, description, Element_Array, Axis_Array (3), Special_Constants, Object_Statistics, and Local_Internal_Reference (0..∞).</p>
Type	restriction of pds:Array

Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Array • pds:Array_3D
Used by	Elements pds:File_Area_Browse/pds:Array_3D, pds:File_Area_Observational/pds:Array_3D, pds:File_Area_Observational_Supplemental/pds:Array_3D
	Complex Types pds:Array_3D_Image, pds:Array_3D_Movie, pds:Array_3D_Spectrum
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array{3,3} , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference*
Children	pds:Axis_Array, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Source	<pre> <xs:complexType name="Array_3D"> <xs:annotation> <xs:documentation>The Array 3D class is the parent class for all three dimensional array based classes.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:restriction base="pds:Array"> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="axes" type="pds:axes" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="axis_index_order" type="pds:axis_index_order" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Element_Array" type="pds:Element_Array" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="Axis_Array" type="pds:Axis_Array" minOccurs="3" maxOccurs="3"> </xs:element> <xs:element name="Special_Constants" type="pds:Special_Constants" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Object_Statistics" type="pds:Object_Statistics" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Local_Internal_Reference" type="pds:Local_Internal_Reference" minOccurs="0" maxOccurs="unbounded"> </xs:element> </xs:sequence> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Array_3D_Image

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Array 3D Image class is an extension of the Array 3D class and defines a three dimensional image.

Diagram

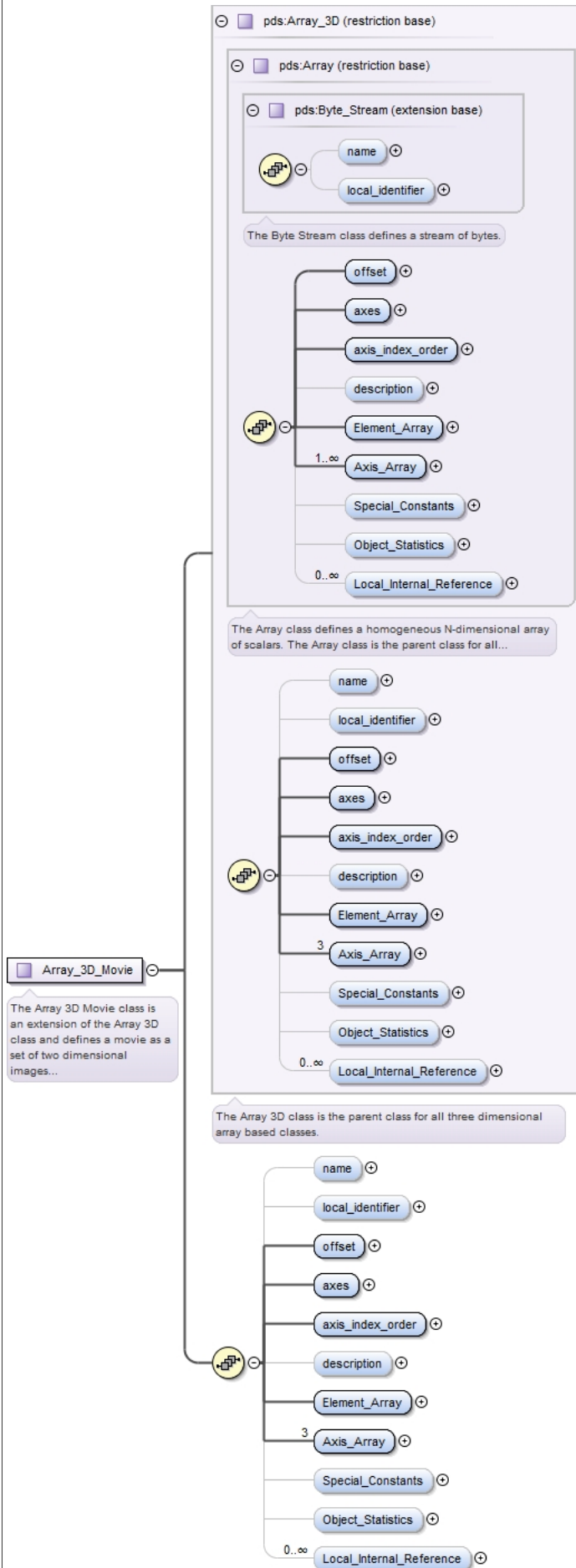


Type	restriction of pds:Array_3D
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Array <ul style="list-style-type: none"> • pds:Array_3D • pds:Array_3D_Image
Used by	Elements pds:File_Area_Browse/pds:Array_3D_Image, pds:File_Area_Observational/pds:Array_3D_Image, pds:File_Area_Observational_Supplemental/pds:Array_3D_Image
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array{3,3} , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference*
Children	pds:Axis_Array, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Source	<pre> <xs:complexType name="Array_3D_Image"> <xs:annotation> <xs:documentation>The Array 3D Image class is an extension of the Array 3D class and defines a three dimensional image.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:restriction base="pds:Array_3D"> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="axes" type="pds:axes" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="axis_index_order" type="pds:axis_index_order" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Element_Array" type="pds:Element_Array" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="Axis_Array" type="pds:Axis_Array" minOccurs="3" maxOccurs="3"> </xs:element> <xs:element name="Special_Constants" type="pds:Special_Constants" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Object_Statistics" type="pds:Object_Statistics" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Local_Internal_Reference" type="pds:Local_Internal_Reference" minOccurs="0" maxOccurs="unbounded"> </xs:element> </xs:sequence> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Array_3D_Movie

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Array 3D Movie class is an extension of the Array 3D class and defines a movie as a set of two dimensional images in a time series.

Diagram

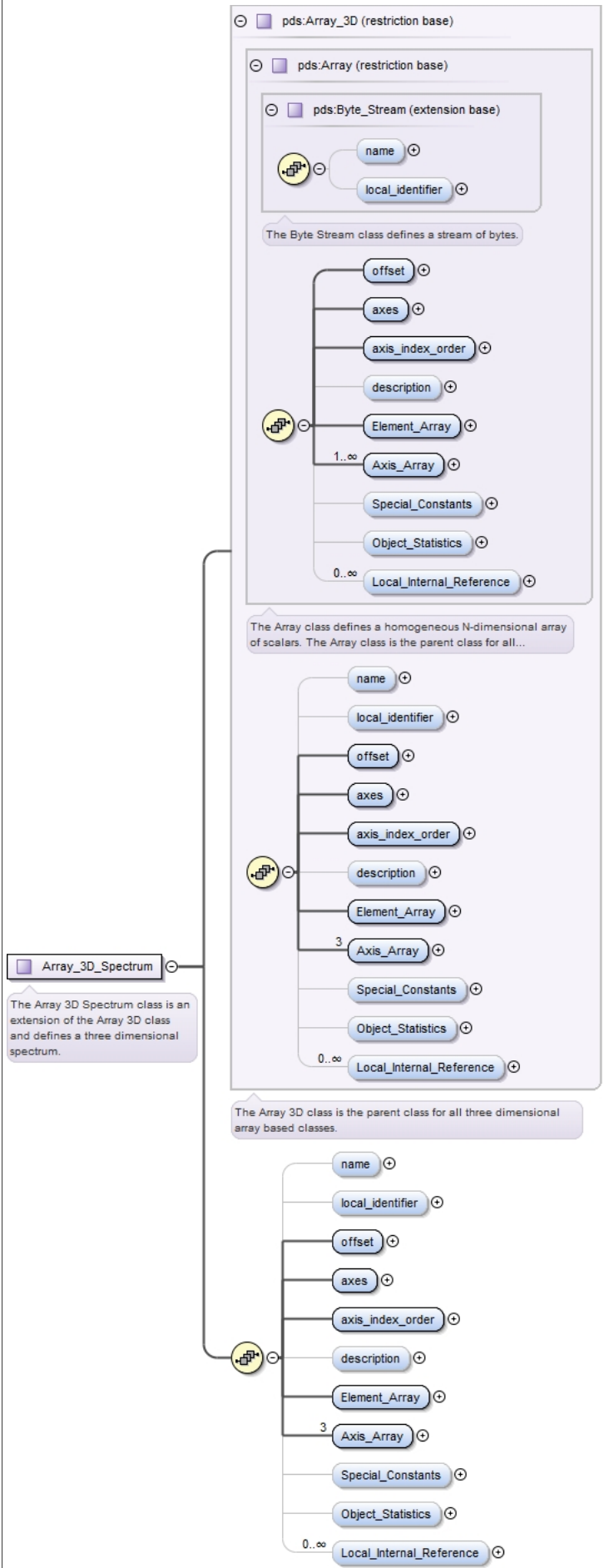


Type	restriction of pds:Array_3D
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Array <ul style="list-style-type: none"> • pds:Array_3D • pds:Array_3D_Movie
Used by	Elements pds:File_Area_Browse/pds:Array_3D_Movie, pds:File_Area_Observational/pds:Array_3D_Movie, pds:File_Area_Observational_Supplemental/pds:Array_3D_Movie
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array{3,3} , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference*
Children	pds:Axis_Array, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Source	<pre> <xs:complexType name="Array_3D_Movie"> <xs:annotation> <xs:documentation>The Array 3D Movie class is an extension of the Array 3D class and defines a movie as a set of two dimensional images in a time series.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:restriction base="pds:Array_3D"> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="axes" type="pds:axes" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="axis_index_order" type="pds:axis_index_order" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Element_Array" type="pds:Element_Array" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="Axis_Array" type="pds:Axis_Array" minOccurs="3" maxOccurs="3"> </xs:element> <xs:element name="Special_Constants" type="pds:Special_Constants" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Object_Statistics" type="pds:Object_Statistics" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Local_Internal_Reference" type="pds:Local_Internal_Reference" minOccurs="0" maxOccurs="unbounded"> </xs:element> </xs:sequence> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Array_3D_Spectrum

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Array 3D Spectrum class is an extension of the Array 3D class and defines a three dimensional spectrum.

Diagram



Type	restriction of pds:Array_3D
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Array <ul style="list-style-type: none"> • pds:Array_3D • pds:Array_3D_Spectrum
Used by	Elements pds:File_Area_Browse/pds:Array_3D_Spectrum, pds:File_Area_Observational/pds:Array_3D_Spectrum, pds:File_Area_Observational_Supplemental/pds:Array_3D_Spectrum
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:axes , pds:axis_index_order , pds:description{0,1} , pds:Element_Array , pds:Axis_Array{3,3} , pds:Special_Constants{0,1} , pds:Object_Statistics{0,1} , pds:Local_Internal_Reference*
Children	pds:Axis_Array, pds:Element_Array, pds:Local_Internal_Reference, pds:Object_Statistics, pds:Special_Constants, pds:axes, pds:axis_index_order, pds:description, pds:local_identifier, pds:name, pds:offset
Source	<pre> <xs:complexType name="Array_3D_Spectrum"> <xs:annotation> <xs:documentation>The Array 3D Spectrum class is an extension of the Array 3D class and defines a three dimensional spectrum.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:restriction base="pds:Array_3D"> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="axes" type="pds:axes" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="axis_index_order" type="pds:axis_index_order" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Element_Array" type="pds:Element_Array" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="Axis_Array" type="pds:Axis_Array" minOccurs="3" maxOccurs="3"> </xs:element> <xs:element name="Special_Constants" type="pds:Special_Constants" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Object_Statistics" type="pds:Object_Statistics" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Local_Internal_Reference" type="pds:Local_Internal_Reference" minOccurs="0" maxOccurs="unbounded"> </xs:element> </xs:sequence> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Encoded_Header

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Encoded Header class describes a header that has been encoded using an encoding scheme that is compliant to an external standard.

<p>Diagram</p>	
<p>Type</p>	<p>restriction of pds:Encoded_Byte_Stream</p>
<p>Type hierarchy</p>	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Encoded_Byte_Stream • pds:Encoded_Header
<p>Used by</p>	<p>Elements pds:File_Area_Browse/pds:Encoded_Header, pds:File_Area_Observational/pds:Encoded_Header, pds:File_Area_Observational_Supplemental/pds:Encoded_Header</p>
<p>Model</p>	<p>pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:encoding_standard_id , pds:description{0,1}</p>
<p>Children</p>	<p>pds:description, pds:encoding_standard_id, pds:local_identifier, pds:name, pds:object_length, pds:offset</p>
<p>Source</p>	<pre> <xs:complexType name="Encoded_Header"> <xs:annotation> <xs:documentation>The Encoded Header class describes a header that has been encoded using an encoding scheme that is compliant to an external standard.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:restriction base="pds:Encoded_Byte_Stream"> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="object_length" type="pds:object_length" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="encoding_standard_id" type="pds:encoding_standard_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Encoded_Byte_Stream

<p>Namespace</p>	<p>http://pds.nasa.gov/pds4/pds/v1</p>
<p>Annotations</p>	<p>The Encoded Byte Stream class defines byte</p>

	streams that must be decoded by software before use. These byte streams must only use standard encodings. The Encoded Byte Stream class is the parent class for all encoded byte streams.				
Diagram	<pre> classDiagram class pds_Byte_Stream["pds:Byte_Stream (extension base)"] { name local_identifier } class Encoded_Byte_Stream { offset object_length encoding_standard_id description } Encoded_Byte_Stream -- > pds_Byte_Stream </pre> <p>The Byte Stream class defines a stream of bytes.</p> <p>The Encoded Byte Stream class defines byte streams that must be decoded by software before use. These byte streams must...</p>				
Type	extension of pds:Byte_Stream				
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Encoded_Byte_Stream 				
Used by	<table border="0"> <tr> <td>Complex Types</td> <td>pds:Encoded_Binary, pds:Encoded_Header, pds:Encoded_Image, pds:Encoded_Native</td> </tr> <tr> <td>Element</td> <td>pds:File_Area_Observational_Supplemental/pds:Encoded_Byte_Stream</td> </tr> </table>	Complex Types	pds:Encoded_Binary, pds:Encoded_Header, pds:Encoded_Image, pds:Encoded_Native	Element	pds:File_Area_Observational_Supplemental/pds:Encoded_Byte_Stream
Complex Types	pds:Encoded_Binary, pds:Encoded_Header, pds:Encoded_Image, pds:Encoded_Native				
Element	pds:File_Area_Observational_Supplemental/pds:Encoded_Byte_Stream				
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:encoding_standard_id , pds:description{0,1}				
Children	pds:description, pds:encoding_standard_id, pds:local_identifier, pds:name, pds:object_length, pds:offset				
Source	<pre> <xs:complexType name="Encoded_Byte_Stream"> <xs:annotation> <xs:documentation>The Encoded Byte Stream class defines byte streams that must be decoded by software before use. These byte streams must only use standard encodings. The Encoded Byte Stream class is the parent class for all encoded byte streams.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Byte_Stream"> <xs:sequence> <xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="object_length" type="pds:object_length" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="encoding_standard_id" type="pds:encoding_standard_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>				

Complex Type pds:Encoded_Image

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Encoded Image class is used for ancillary images in standard formats, such as JPEG.

<p>Diagram</p>	
<p>Type</p>	<p>restriction of pds:Encoded_Byte_Stream</p>
<p>Type hierarchy</p>	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Encoded_Byte_Stream • pds:Encoded_Image
<p>Used by</p>	<p>Elements pds:File_Area_Browse/pds:Encoded_Image, pds:File_Area_Encoded_Image/pds:Encoded_Image, pds:File_Area_Observational_Supplemental/pds:Encoded_Image</p>
<p>Model</p>	<p>pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:encoding_standard_id , pds:description{0,1}</p>
<p>Children</p>	<p>pds:description, pds:encoding_standard_id, pds:local_identifier, pds:name, pds:object_length, pds:offset</p>
<p>Source</p>	<pre><xs:complexType name="Encoded_Image"> <xs:annotation> <xs:documentation>The Encoded Image class is used for ancillary images in standard formats, such as JPEG.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:restriction base="pds:Encoded_Byte_Stream"> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"/> </xs:element> <xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"/> </xs:element> <xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1"/> </xs:element> <xs:element name="object_length" type="pds:object_length" minOccurs="0" maxOccurs="1"/> </xs:element> <xs:element name="encoding_standard_id" type="pds:encoding_standard_id" minOccurs="1" maxOccurs="1"/> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"/> </xs:element> </xs:sequence> </xs:restriction> </xs:complexContent> </xs:complexType></pre>

Complex Type pds:Header

<p>Namespace</p>	<p>http://pds.nasa.gov/pds4/pds/v1</p>
<p>Annotations</p>	<p>The Header class describes a data object</p>

Diagram	<p>header.</p> <p>The diagram illustrates the structure of the <code>Header</code> class. It is a restriction of <code>pds:Parseable_Byte_Stream</code>. The <code>Header</code> class contains a sequence of elements: <code>name</code>, <code>local_identifier</code>, <code>offset</code>, <code>object_length</code>, <code>parsing_standard_id</code>, and <code>description</code>. The diagram also shows the inheritance hierarchy: <code>pds:Parseable_Byte_Stream</code> (restriction base) extends <code>pds:Byte_Stream</code> (extension base), which in turn extends <code>pds:Header</code>.</p>
Type	restriction of <code>pds:Parseable_Byte_Stream</code>
Type hierarchy	<ul style="list-style-type: none"> • <code>pds:Byte_Stream</code> • <code>pds:Parseable_Byte_Stream</code> • <code>pds:Header</code>
Used by	Elements <code>pds:File_Area_Browse/pds:Header</code> , <code>pds:File_Area_Observational/pds:Header</code> , <code>pds:File_Area_Observational_Supplemental/pds:Header</code>
Model	<code>pds:name{0,1}</code> , <code>pds:local_identifier{0,1}</code> , <code>pds:offset</code> , <code>pds:object_length</code> , <code>pds:parsing_standard_id</code> , <code>pds:description{0,1}</code>
Children	<code>pds:description</code> , <code>pds:local_identifier</code> , <code>pds:name</code> , <code>pds:object_length</code> , <code>pds:offset</code> , <code>pds:parsing_standard_id</code>
Source	<pre> <xs:complexType name="Header"> <xs:annotation> <xs:documentation>The Header class describes a data object header.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:restriction base="pds:Parseable_Byte_Stream"> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="object_length" type="pds:object_length" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="parsing_standard_id" type="pds:parsing_standard_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>

Complex Type `pds:Table_Binary`

Namespace	<code>http://pds.nasa.gov/pds4/pds/v1</code>
Annotations	The Table Binary class is an extension of table

<p>Diagram</p>	<p>base and defines a simple binary table.</p>
<p>Type</p>	<p>extension of pds:Table_Base</p>
<p>Type hierarchy</p>	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Table_Base • pds:Table_Binary
<p>Used by</p>	<p>Elements pds:File_Area_Browse/pds:Table_Binary, pds:File_Area_Observational/pds:Table_Binary, pds:File_Area_Observational_Supplemental/pds:Table_Binary</p>
<p>Model</p>	<p>pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:records , pds:description{0,1} , pds:record_delimiter{0,1} , pds:Uniformly_Sampled{0,1} , pds:Record_Binary</p>
<p>Children</p>	<p>pds:Record_Binary, pds:Uniformly_Sampled, pds:description, pds:local_identifier, pds:name, pds:offset, pds:record_delimiter, pds:records</p>
<p>Source</p>	<pre><xs:complexType name="Table_Binary"> <xs:annotation> <xs:documentation>The Table Binary class is an extension of table base and defines a simple binary table.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Table_Base"> <xs:sequence> <xs:element name="record_delimiter" type="pds:record_delimiter" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Uniformly_Sampled" type="pds:Uniformly_Sampled" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Record_Binary" type="pds:Record_Binary" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType></pre>

Complex Type pds:Record_Binary

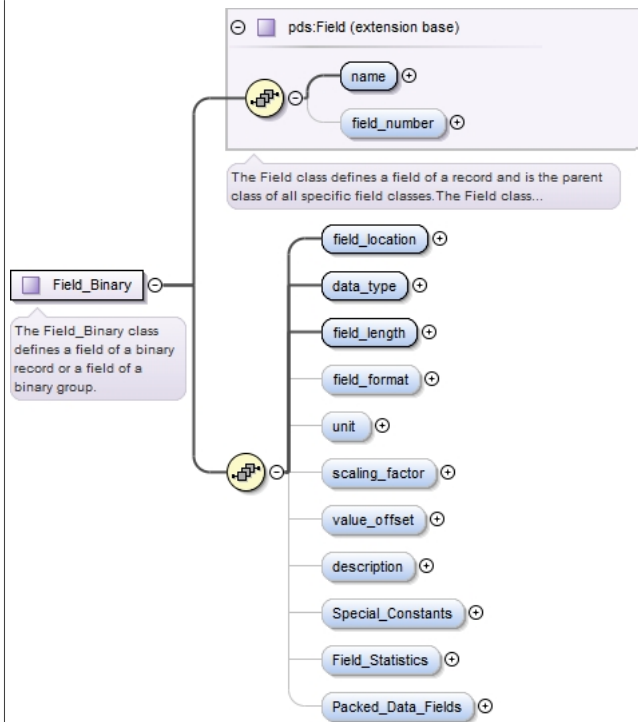
<p>Namespace</p>	<p>http://pds.nasa.gov/pds4/pds/v1</p>
<p>Annotations</p>	<p>The Record_Binary class is a component of the table class and defines a record of the table.</p>

Diagram	<p>The diagram illustrates the class hierarchy and structure. At the top is the <code>pds:Record</code> (extension base) class, which contains <code>fields</code> and <code>groups</code>. Below it is the <code>Record_Binary</code> class, which extends <code>pds:Record</code>. <code>Record_Binary</code> contains <code>record_length</code>, <code>Field_Binary</code>, and <code>Group_Field_Binary</code>. The <code>Field_Binary</code> and <code>Group_Field_Binary</code> elements are shown with a cardinality of <code>1..∞</code>. Annotations provide context: 'The Record class defines a record of a file and is the parent class of all specific record classes.' and 'The Record_Binary class is a component of the table class and defines a record of the table.'</p>
Type	extension of pds:Record
Type hierarchy	<ul style="list-style-type: none"> • pds:Record • pds:Record_Binary
Used by	Element pds:Table_Binary/pds:Record_Binary
Model	pds:fields , pds:groups , pds:record_length , (pds:Field_Binary pds:Group_Field_Binary)
Children	pds:Field_Binary, pds:Group_Field_Binary, pds:fields, pds:groups, pds:record_length
Source	<pre> <xs:complexType name="Record_Binary"> <xs:annotation> <xs:documentation>The Record_Binary class is a component of the table class and defines a record of the table.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Record"> <xs:sequence> <xs:element name="record_length" type="pds:record_length" minOccurs="1" maxOccurs="1"> </xs:element> <xs:choice minOccurs="1" maxOccurs="unbounded"> <xs:element name="Field_Binary" type="pds:Field_Binary"> </xs:element> <xs:element name="Group_Field_Binary" type="pds:Group_Field_Binary"> </xs:element> </xs:choice> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Field_Binary

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Field_Binary class defines a field of a binary record or a field of a binary group.

Diagram



Type	extension of pds:Field
Type hierarchy	<ul style="list-style-type: none"> • pds:Field • pds:Field_Binary
Used by	Elements pds:Group_Field_Binary/pds:Field_Binary, pds:Record_Binary/pds:Field_Binary
Model	pds:name , pds:field_number{0,1} , pds:field_location , pds:data_type , pds:field_length , pds:field_format{0,1} , pds:unit{0,1} , pds:scaling_factor{0,1} , pds:value_offset{0,1} , pds:description{0,1} , pds:Special_Constants{0,1} , pds:Field_Statistics{0,1} , pds:Packed_Data_Fields{0,1}
Children	pds:Field_Statistics, pds:Packed_Data_Fields, pds:Special_Constants, pds:data_type, pds:description, pds:field_format, pds:field_length, pds:field_location, pds:field_number, pds:name, pds:scaling_factor, pds:unit, pds:value_offset
Source	<pre> <xs:complexType name="Field_Binary"> <xs:annotation> <xs:documentation>The Field_Binary class defines a field of a binary record or a field of a binary group.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Field"> <xs:sequence> <xs:element name="field_location" type="pds:field_location" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="data_type" type="pds:data_type" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="field_length" type="pds:field_length" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="field_format" type="pds:field_format" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="unit" type="pds:unit" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="scaling_factor" type="pds:scaling_factor" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="value_offset" type="pds:value_offset" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Special_Constants" type="pds:Special_Constants" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Field_Statistics" type="pds:Field_Statistics" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Packed_Data_Fields" type="pds:Packed_Data_Fields" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </pre>

</xs:complexType>

Complex Type pds:Packed_Data_Fields

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Packed_Data_Fields class contains field definitions for extracting packed data from the associated byte string field.
Diagram	
Used by	Element pds:Field_Binary/pds:Packed_Data_Fields
Model	pds:bit_fields , pds:description{0,1} , pds:Field_Bit+
Children	pds:Field_Bit, pds:bit_fields, pds:description
Source	<pre><xs:complexType name="Packed_Data_Fields"> <xs:annotation> <xs:documentation>The Packed_Data_Fields class contains field definitions for extracting packed data from the associated byte string field.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="bit_fields" type="pds:bit_fields" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Field_Bit" type="pds:Field_Bit" minOccurs="1" maxOccurs="unbounded"> </xs:element> </xs:sequence> </xs:complexType></pre>

Complex Type pds:Field_Bit

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Field_Bit class provides parameters for extracting one field out of a string of bytes which contains packed data (that is, data values either smaller than a single byte, or crossing byte boundaries, or both).
Diagram	
Type	extension of pds:Field
Type hierarchy	<ul style="list-style-type: none"> pds:Field pds:Field_Bit

Used by	Element pds:Packed_Data_Fields/pds:Field_Bit
Model	pds:name , pds:field_number{0,1} , pds:start_bit , pds:stop_bit , pds:data_type , pds:field_format{0,1} , pds:unit{0,1} , pds:scaling_factor{0,1} , pds:value_offset{0,1} , pds:description{0,1} , pds:Special_Constants{0,1}
Children	pds:Special_Constants, pds:data_type, pds:description, pds:field_format, pds:field_number, pds:name, pds:scaling_factor, pds:start_bit, pds:stop_bit, pds:unit, pds:value_offset
Source	<pre> <xs:complexType name="Field_Bit"> <xs:annotation> <xs:documentation>The Field_Bit class provides parameters for extracting one field out of a string of bytes which contains packed data (that is, data values either smaller than a single byte, or crossing byte boundaries, or both.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Field"> <xs:sequence> <xs:element name="start_bit" type="pds:start_bit" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="stop_bit" type="pds:stop_bit" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="data_type" type="pds:data_type" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="field_format" type="pds:field_format" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="unit" type="pds:unit" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="scaling_factor" type="pds:scaling_factor" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="value_offset" type="pds:value_offset" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Special_Constants" type="pds:Special_Constants" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Group_Field_Binary

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Group_Field_Binary class allows a group of table fields.
Diagram	<p>The diagram illustrates the relationship between the <code>pds:Group</code> class and the <code>Group_Field_Binary</code> class. <code>pds:Group</code> is the extension base, containing attributes: <code>name</code>, <code>group_number</code>, <code>repetitions</code>, <code>fields</code>, <code>groups</code>, and <code>description</code>. <code>Group_Field_Binary</code> is an extension of <code>pds:Group</code> and contains attributes: <code>group_location</code>, <code>group_length</code>, and a choice between <code>Field_Binary</code> and <code>Group_Field_Binary</code> with a cardinality of <code>1..∞</code>. Annotations describe the classes: "The Group class defines a group of (repeating) fields and, possibly, (sub) groups; it is the parent class of all..." and "The Group_Field_Binary class allows a group of table fields."</p>
Type	extension of pds:Group
Type hierarchy	<ul style="list-style-type: none"> pds:Group pds:Group_Field_Binary
Used by	Elements pds:Group_Field_Binary/pds:Group_Field_Binary, pds:Record_Binary/pds:Group_Field_Binary

Model	pds:name{0,1} , pds:group_number{0,1} , pds:repetitions , pds:fields , pds:groups , pds:description{0,1} , pds:group_location , pds:group_length , (pds:Field_Binary pds:Group_Field_Binary)
Children	pds:Field_Binary, pds:Group_Field_Binary, pds:description, pds:fields, pds:group_length, pds:group_location, pds:group_number, pds:groups, pds:name, pds:repetitions
Source	<pre> <xs:complexType name="Group_Field_Binary"> <xs:annotation> <xs:documentation>The Group_Field_Binary class allows a group of table fields.</ </xs:annotation> <xs:complexContent> <xs:extension base="pds:Group"> <xs:sequence> <xs:element name="group_location" type="pds:group_location" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="group_length" type="pds:group_length" minOccurs="1" maxOccurs="1"> </xs:element> <xs:choice minOccurs="1" maxOccurs="unbounded"> <xs:element name="Field_Binary" type="pds:Field_Binary"> </xs:element> <xs:element name="Group_Field_Binary" type="pds:Group_Field_Binary"> </xs:element> </xs:choice> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Table_Delimited

Namespace	http://pds.nasa.gov/pds4/pds/v1				
Annotations	The Table_Delimited class defines a simple table (spreadsheet) with delimited fields and records.				
Diagram	<p>The diagram illustrates the class hierarchy and structure of pds:Table_Delimited. It is an extension of pds:Parseable_Byte_Stream, which extends pds:Byte_Stream. pds:Table_Delimited includes elements: records, record_delimiter, field_delimiter, Uniformly_Sampled, and Record_Delimited. pds:Parseable_Byte_Stream includes elements: offset, object_length, parsing_standard_id, and description. pds:Byte_Stream includes elements: name and local_identifier.</p>				
Type	extension of pds:Parseable_Byte_Stream				
Type hierarchy	<ul style="list-style-type: none"> pds:Byte_Stream pds:Parseable_Byte_Stream pds:Table_Delimited 				
Used by	<table border="1"> <tr> <td>Elements</td> <td>pds:File_Area_Browse/pds:Table_Delimited, pds:File_Area_Observational/pds:Table_Delimited, pds:File_Area_Observational_Supplemental/pds:Table_Delimited</td> </tr> <tr> <td>Complex Types</td> <td>pds:Inventory, pds:Manifest_SIP_Deep_Archive</td> </tr> </table>	Elements	pds:File_Area_Browse/pds:Table_Delimited, pds:File_Area_Observational/pds:Table_Delimited, pds:File_Area_Observational_Supplemental/pds:Table_Delimited	Complex Types	pds:Inventory, pds:Manifest_SIP_Deep_Archive
Elements	pds:File_Area_Browse/pds:Table_Delimited, pds:File_Area_Observational/pds:Table_Delimited, pds:File_Area_Observational_Supplemental/pds:Table_Delimited				
Complex Types	pds:Inventory, pds:Manifest_SIP_Deep_Archive				

Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:parsing_standard_id , pds:description{0,1} , pds:records , pds:record_delimiter , pds:field_delimiter , pds:Uniformly_Sampled{0,1} , pds:Record_Delimited
Children	pds:Record_Delimited, pds:Uniformly_Sampled, pds:description, pds:field_delimiter, pds:local_identifier, pds:name, pds:object_length, pds:offset, pds:parsing_standard_id, pds:record_delimiter, pds:records
Source	<pre> <xs:complexType name="Table_Delimited"> <xs:annotation> <xs:documentation>The Table_Delimited class defines a simple table (spreadsheet) with delimited fields and records.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Parsable_Byte_Stream"> <xs:sequence> <xs:element name="records" type="pds:records" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="record_delimiter" type="pds:record_delimiter" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="field_delimiter" type="pds:field_delimiter" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="Uniformly_Sampled" type="pds:Uniformly_Sampled" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Record_Delimited" type="pds:Record_Delimited" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Record_Delimited

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Record_Delimited class is a component of the delimited table (spreadsheet) class and defines a record of the delimited table.
Diagram	<p>The diagram illustrates the class hierarchy and structure. pds:Record (extension base) contains fields and groups. pds:Record_Delimited is an extension of pds:Record and contains maximum_record_length and a choice between Field_Delimited and Group_Field_Delimited. A note states: 'The Record class defines a record of a file and is the parent class of all specific record classes.' Another note states: 'The Record_Delimited class is a component of the delimited table (spreadsheet) class and defines a record of the...'</p>
Type	extension of pds:Record
Type hierarchy	<ul style="list-style-type: none"> pds:Record pds:Record_Delimited
Used by	Elements pds:Manifest_SIP_Deep_Archive/pds:Record_Delimited, pds:Table_Delimited/pds:Record_Delimited
Model	pds:fields , pds:groups , pds:maximum_record_length{0,1} , (pds:Field_Delimited pds:Group_Field_Delimited)
Children	pds:Field_Delimited, pds:Group_Field_Delimited, pds:fields, pds:groups, pds:maximum_record_length
Source	<pre> <xs:complexType name="Record_Delimited"> <xs:annotation> <xs:documentation>The Record_Delimited class is a component of the delimited table (spreadsheet) class and defines a record of the delimited table.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Record"> <xs:sequence> <xs:element name="maximum_record_length" type="pds:maximum_record_length" minOccurs="0" maxOccurs="1"> </xs:element> <xs:choice minOccurs="1" maxOccurs="unbounded"> <xs:element name="Field_Delimited" type="pds:Field_Delimited"> </xs:element> <xs:element name="Group_Field_Delimited" type="pds:Group_Field_Delimited"> </xs:element> </xs:choice> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

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        </xs:sequence>
    </xs:extension>
</xs:complexContent>
</xs:complexType>
    
```

Complex Type pds:maximum_record_length

Namespace	http://pds.nasa.gov/pds4/pds/v1								
Annotations	The maximum_record_length attribute provides the maximum length of a record, including the record delimiter.								
Diagram									
Type	extension of pds:maximum_record_length_WO_Units								
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer <ul style="list-style-type: none"> • pds:maximum_record_length_WO_Units • pds:maximum_record_length 								
Used by	Element pds:Record_Delimited/pds:maximum_record_length								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Storage</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Storage	required		
QName	Type	Use							
unit	pds:Units_of_Storage	required							
Source	<pre> <xs:complexType name="maximum_record_length"> <xs:annotation> <xs:documentation>The maximum_record_length attribute provides the maximum length of a record, including the record delimiter.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="pds:maximum_record_length_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Storage" use="required"/> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>								

Complex Type pds:Field_Delimited

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Field_Delimited class defines a field of a delimited record or a field of a delimited group.

Diagram	
Type	extension of pds:Field
Type hierarchy	<ul style="list-style-type: none"> • pds:Field • pds:Field_Delimited
Used by	Elements pds:Group_Field_Delimited/pds:Field_Delimited, pds:Record_Delimited/pds:Field_Delimited
Model	pds:name , pds:field_number{0,1} , pds:data_type , pds:maximum_field_length{0,1} , pds:field_format{0,1} , pds:unit{0,1} , pds:scaling_factor{0,1} , pds:value_offset{0,1} , pds:description{0,1} , pds:Special_Constants{0,1} , pds:Field_Statistics{0,1}
Children	pds:Field_Statistics, pds:Special_Constants, pds:data_type, pds:description, pds:field_format, pds:field_number, pds:maximum_field_length, pds:name, pds:scaling_factor, pds:unit, pds:value_offset
Source	<pre> <xs:complexType name="Field_Delimited"> <xs:annotation> <xs:documentation>The Field_Delimited class defines a field of a delimited record or a field of a delimited group.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Field"> <xs:sequence> <xs:element name="data_type" type="pds:data_type" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="maximum_field_length" type="pds:maximum_field_length" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="field_format" type="pds:field_format" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="unit" type="pds:unit" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="scaling_factor" type="pds:scaling_factor" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="value_offset" type="pds:value_offset" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Special_Constants" type="pds:Special_Constants" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Field_Statistics" type="pds:Field_Statistics" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:maximum_field_length

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The maximum_field_length attribute sets an upper, inclusive bound on the number of bytes in the field.

Diagram									
Type	extension of pds:maximum_field_length_WO_Units								
Type hierarchy	<ul style="list-style-type: none"> • xs:integer • pds:ASCII_Integer • pds:maximum_field_length_WO_Units • pds:maximum_field_length 								
Used by	Element pds:Field_Delimited/pds:maximum_field_length								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Storage</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Storage	required		
QName	Type	Use							
unit	pds:Units_of_Storage	required							
Source	<pre><xs:complexType name="maximum_field_length"> <xs:annotation> <xs:documentation>The maximum_field_length attribute sets an upper, inclusive bound on the number of bytes in the field.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="pds:maximum_field_length_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Storage" use="required" /> </xs:extension> </xs:simpleContent> </xs:complexType></pre>								

Complex Type pds:Group_Field_Delimited

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Annotations	The Field_Group_Delimited class allows a group of delimited fields.		
Diagram			
Type	extension of pds:Group		
Type hierarchy	<ul style="list-style-type: none"> • pds:Group • pds:Group_Field_Delimited 		
Used by	Elements pds:Group_Field_Delimited/pds:Group_Field_Delimited, pds:Record_Delimited/pds:Group_Field_Delimited		
Model	pds:name{0,1} , pds:group_number{0,1} , pds:repetitions , pds:fields , pds:groups , pds:description{0,1} , (pds:Field_Delimited pds:Group_Field_Delimited)		
Children	pds:Field_Delimited, pds:Group_Field_Delimited, pds:description, pds:fields, pds:group_number, pds:groups, pds:name, pds:repetitions		
Source	<pre><xs:complexType name="Group_Field_Delimited"> <xs:annotation></pre>		

```

<xs:documentation>The Field_Group_Delimited class allows a group of delimited fields.</
xs:documentation>
</xs:annotation>
<xs:complexContent>
  <xs:extension base="pds:Group">
    <xs:sequence>
      <xs:choice minOccurs="1" maxOccurs="unbounded">
        <xs:element name="Field_Delimited" type="pds:Field_Delimited">
        </xs:element>
        <xs:element name="Group_Field_Delimited" type="pds:Group_Field_Delimited">
        </xs:element>
      </xs:choice>
    </xs:sequence>
  </xs:extension>
</xs:complexContent>
</xs:complexType>

```

Complex Type pds:Product_Bundle

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	A Product_Bundle is an aggregate product and has a table of references to one or more collections.
Diagram	
Type	extension of pds:Product
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_Bundle
Used by	Element pds:Product_Bundle
Model	pds:Identification_Area , pds:Context_Area{0,1} , pds:Reference_List{0,1} , pds:Bundle , pds:File_Area_Text{0,1} , pds:Bundle_Member_Entry+
Children	pds:Bundle, pds:Bundle_Member_Entry, pds:Context_Area, pds:File_Area_Text, pds:Identification_Area, pds:Reference_List
Source	<pre> <xs:complexType name="Product_Bundle"> <xs:annotation> <xs:documentation>A Product_Bundle is an aggregate product and has a table of references to one or more collections.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Product"> <xs:sequence> <xs:element name="Context_Area" type="pds:Context_Area" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Bundle" type="pds:Bundle" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="File_Area_Text" type="pds:File_Area_Text" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Bundle_Member_Entry" type="pds:Bundle_Member_Entry" minOccurs="1" maxOccurs="unbounded"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Context_Area

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Context Area provides context information for a product.
Diagram	
Used by	<p>Elements pds:Product_Bundle/pds:Context_Area, pds:Product_Collection/pds:Context_Area, pds:Product_Document/pds:Context_Area, pds:Product_Native/pds:Context_Area, pds:Product_SPICE_Kernel/pds:Context_Area</p> <p>Complex Type pds:Observation_Area</p>
Model	pds:comment{0,1} , pds:Time_Coordinates{0,1} , pds:Primary_Result_Summary{0,1} , pds:Investigation_Area* , pds:Observing_System* , pds:Target_Identification* , pds:Mission_Area{0,1} , pds:Discipline_Area{0,1}
Children	pds:Discipline_Area, pds:Investigation_Area, pds:Mission_Area, pds:Observing_System, pds:Primary_Result_Summary, pds:Target_Identification, pds:Time_Coordinates, pds:comment
Source	<pre> <xs:complexType name="Context_Area"> <xs:annotation> <xs:documentation>The Context Area provides context information for a product.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="comment" type="pds:comment" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Time_Coordinates" type="pds:Time_Coordinates" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Primary_Result_Summary" type="pds:Primary_Result_Summary" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Investigation_Area" type="pds:Investigation_Area" minOccurs="0" maxOccurs="unbounded"> </xs:element> <xs:element name="Observing_System" type="pds:Observing_System" minOccurs="0" maxOccurs="unbounded"> </xs:element> <xs:element name="Target_Identification" type="pds:Target_Identification" minOccurs="0" maxOccurs="unbounded"> </xs:element> <xs:element name="Mission_Area" type="pds:Mission_Area" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Discipline_Area" type="pds:Discipline_Area" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Time_Coordinates

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Time_Coordinates class provides a list of time coordinates.
Diagram	

Used by	Elements pds:Context_Area/pds:Time_Coordinates, pds:Observation_Area/pds:Time_Coordinates
Model	pds:start_date_time , pds:stop_date_time , pds:local_mean_solar_time{0,1} , pds:local_true_solar_time{0,1} , pds:solar_longitude{0,1}
Children	pds:local_mean_solar_time, pds:local_true_solar_time, pds:solar_longitude, pds:start_date_time, pds:stop_date_time
Source	<pre><xs:complexType name="Time_Coordinates"> <xs:annotation> <xs:documentation>The Time_Coordinates class provides a list of time coordinates.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="start_date_time" nillable="true" type="pds:start_date_time" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="stop_date_time" nillable="true" type="pds:stop_date_time" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="local_mean_solar_time" type="pds:local_mean_solar_time" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="local_true_solar_time" type="pds:local_true_solar_time" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="solar_longitude" type="pds:solar_longitude" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType></pre>

Complex Type pds:start_date_time

Namespace	http://pds.nasa.gov/pds4/pds/v1								
Diagram									
Type	extension of pds:ASCII_Date_Time_YMD_UTC								
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Date_Time_YMD_UTC pds:start_date_time 								
Used by	Elements	pds>Data_Set_PDS3/pds:start_date_time, pds:Time_Coordinates/pds:start_date_time							
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>nilReason</td> <td>pds:nil_reason</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	nilReason	pds:nil_reason	optional		
QName	Type	Use							
nilReason	pds:nil_reason	optional							
Source	<pre><xs:complexType name="start_date_time"> <xs:simpleContent> <xs:extension base="pds:ASCII_Date_Time_YMD_UTC"> <xs:attribute name="nilReason" type="pds:nil_reason" use="optional" /> </xs:extension> </xs:simpleContent> </xs:complexType></pre>								

Complex Type pds:stop_date_time

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Diagram			
Type	extension of pds:ASCII_Date_Time_YMD_UTC		
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Date_Time_YMD_UTC pds:stop_date_time 		

Used by	Elements pds:Data_Set_PDS3/pds:stop_date_time, pds:Time_Coordinates/pds:stop_date_time		
Attributes	QName	Type	Use
	nilReason	pds:nil_reason	optional
Source	<pre><xs:complexType name="stop_date_time"> <xs:simpleContent> <xs:extension base="pds:ASCII_Date_Time_YMD_UTC"> <xs:attribute name="nilReason" type="pds:nil_reason" use="optional" /> </xs:extension> </xs:simpleContent> </xs:complexType></pre>		

Complex Type pds:solar_longitude

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Annotations	The solar_longitude attribute provides the angle between the body-Sun line at the time of interest and the body-Sun line at its vernal equinox.		
Diagram			
Type	extension of pds:solar_longitude_WO_Units		
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:solar_longitude_WO_Units • pds:solar_longitude 		
Used by	Element pds:Time_Coordinates/pds:solar_longitude		
Attributes	QName	Type	Use
	unit	pds:Units_of_Angle	required
Source	<pre><xs:complexType name="solar_longitude"> <xs:annotation> <xs:documentation>The solar_longitude attribute provides the angle between the body-Sun line at the time of interest and the body-Sun line at its vernal equinox.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="pds:solar_longitude_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Angle" use="required" /> </xs:extension> </xs:simpleContent> </xs:complexType></pre>		

Complex Type pds:Primary_Result_Summary

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Annotations	The Primary_Result_Summary class provides a high-level description of the types of products included in the collection or bundle		
Diagram			

Used by	Elements pds:Context_Area/pds:Primary_Result_Summary, pds:Observation_Area/ pds:Primary_Result_Summary
Model	pds:type{0,1} , pds:purpose , pds:data_regime* , pds:processing_level , pds:processing_level_id{0,1} , pds:description{0,1} , pds:Science_Facets*
Children	pds:Science_Facets, pds:data_regime, pds:description, pds:processing_level, pds:processing_level_id, pds:purpose, pds:type
Source	<pre> <xs:complexType name="Primary_Result_Summary"> <xs:annotation> <xs:documentation>The Primary_Result_Summary class provides a high-level description of the types of products included in the collection or bundle</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="type" type="pds:type" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="purpose" type="pds:purpose" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="data_regime" type="pds:data_regime" minOccurs="0" maxOccurs="unbounded"> </xs:element> <xs:element name="processing_level" type="pds:processing_level" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="processing_level_id" type="pds:processing_level_id" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Science_Facets" type="pds:Science_Facets" minOccurs="0" maxOccurs="unbounded"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Science_Facets

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Science_Facets class contains the science-related search facets. It is optional and may be repeated if a product has facets related to, for example, two different disciplines (as defined by the discipline_name facet). Note that Science_Facets was modeled with Discipline_Facets as a component and Discipline_Facets was modeled with Group_Facet1 and Group_Facet2 as components. This dependency hierarchy was flattened and only Science_Facets exists in the schema.
Diagram	
Used by	Element pds:Primary_Result_Summary/pds:Science_Facets
Model	pds:wavelength_range* , pds:domain* , pds:discipline_name , pds:facet1{0,1} , pds:subfacet1* , pds:facet2{0,1} , pds:subfacet2*
Children	pds:discipline_name, pds:domain, pds:facet1, pds:facet2, pds:subfacet1, pds:subfacet2, pds:wavelength_range
Source	<pre> <xs:complexType name="Science_Facets"> <xs:annotation> <xs:documentation>The Science_Facets class contains the science-related search facets. It is optional and may be repeated if a product has facets related to, for example, two different disciplines (as defined by the discipline_name facet). Note that Science_Facets was modeled with Discipline_Facets as a component and Discipline_Facets was modeled with Group_Facet1 and Group_Facet2 as components. This dependency hierarchy was flattened and only Science_Facets exists in the schema.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="wavelength_range" type="pds:wavelength_range" minOccurs="0" maxOccurs="unbounded"> </xs:element> <xs:element name="domain" type="pds:domain" minOccurs="0" maxOccurs="unbounded"> </xs:element> </pre>

```

<xs:element name="discipline_name" type="pds:ASCII_Short_String_Collapsed" minOccurs="1"
maxOccurs="1">
</xs:element>
<xs:element name="facet1" type="pds:ASCII_Short_String_Collapsed" minOccurs="0" maxOccurs="1">
</xs:element>
<xs:element name="subfacet1" type="pds:ASCII_Short_String_Collapsed" minOccurs="0"
maxOccurs="unbounded">
</xs:element>
<xs:element name="facet2" type="pds:ASCII_Short_String_Collapsed" minOccurs="0" maxOccurs="1">
</xs:element>
<xs:element name="subfacet2" type="pds:ASCII_Short_String_Collapsed" minOccurs="0"
maxOccurs="unbounded">
</xs:element>
</xs:sequence>
</xs:complexType>

```

Complex Type pds:Investigation_Area

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Investigation_Area class provides information about an investigation (mission, observing campaign or other coordinated, large-scale data collection effort).
Diagram	
Used by	Elements pds:Context_Area/pds:Investigation_Area, pds:Observation_Area/pds:Investigation_Area
Model	pds:name , pds:type , pds:Internal_Reference+
Children	pds:Internal_Reference, pds:name, pds:type
Source	<pre> <xs:complexType name="Investigation_Area"> <xs:annotation> <xs:documentation>The Investigation_Area class provides information about an investigation (mission, observing campaign or other coordinated, large-scale data collection effort).</ xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="type" type="pds:type" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="Internal_Reference" type="pds:Internal_Reference" minOccurs="1" maxOccurs="unbounded"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Observing_System

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Observing System class describes the entire suite used to collect the data.
Diagram	
Used by	Elements pds:Context_Area/pds:Observing_System, pds:Observation_Area/pds:Observing_System
Model	pds:name{0,1} , pds:description{0,1} , pds:Observing_System_Component+
Children	pds:Observing_System_Component, pds:description, pds:name
Source	<pre> <xs:complexType name="Observing_System"> <xs:annotation> <xs:documentation>The Observing System class describes the entire suite used to collect the data.</xs:documentation> </xs:annotation> </pre>

```

<xs:sequence>
  <xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1">
  </xs:element>
  <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1">
  </xs:element>
  <xs:element name="Observing_System_Component" type="pds:Observing_System_Component"
minOccurs="1" maxOccurs="unbounded">
  </xs:element>
</xs:sequence>
</xs:complexType>
    
```

Complex Type pds:Observing_System_Component

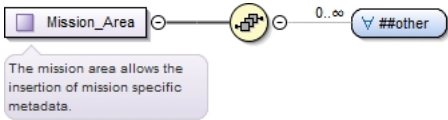
Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Observing System Component class references one or more subsystems used to collect data. A subsystem can be an instrument_host, instrument, or any other similar product. Each subsystem is categorized as either a sensor or a source. If the observing system includes both a sensor and a source, Observing System Component occurs twice (once for each type) otherwise it only occurs once.
Diagram	
Used by	Element pds:Observing_System/pds:Observing_System_Component
Model	pds:name , pds:type , pds:description{0,1} , pds:Internal_Reference{0,1} , pds:External_Reference*
Children	pds:External_Reference, pds:Internal_Reference, pds:description, pds:name, pds:type
Source	<pre> <xs:complexType name="Observing_System_Component"> <xs:annotation> <xs:documentation>The Observing System Component class references one or more subsystems used to collect data. A subsystem can be an instrument_host, instrument, or any other similar product. Each subsystem is categorized as either a sensor or a source. If the observing system includes both a sensor and a source, Observing System Component occurs twice (once for each type) otherwise it only occurs once.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="type" type="pds:type" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Internal_Reference" type="pds:Internal_Reference" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="External_Reference" type="pds:External_Reference" minOccurs="0" maxOccurs="unbounded"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Target_Identification

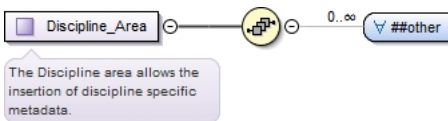
Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Target_Identification class provides detailed target identification information.
Diagram	
Used by	Elements pds:Context_Area/pds:Target_Identification, pds:Observation_Area/pds:Target_Identification

Model	pds:name , pds:alternate_designation* , pds:type+ , pds:description{0,1} , pds:Internal_Reference{0,1}
Children	pds:Internal_Reference, pds:alternate_designation, pds:description, pds:name, pds:type
Source	<pre><xs:complexType name="Target_Identification"> <xs:annotation> <xs:documentation>The Target_Identification class provides detailed target identification information.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="alternate_designation" type="pds:alternate_designation" minOccurs="0" maxOccurs="unbounded"> </xs:element> <xs:element name="type" type="pds:type" minOccurs="1" maxOccurs="unbounded"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Internal_Reference" type="pds:Internal_Reference" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType></pre>

Complex Type pds:Mission_Area

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The mission area allows the insertion of mission specific metadata.
Diagram	
Used by	Elements pds:Context_Area/pds:Mission_Area, pds:Observation_Area/pds:Mission_Area
Model	ANY element from ANY namespace OTHER than 'http://pds.nasa.gov/pds4/pds/v1'
Source	<pre><xs:complexType name="Mission_Area"> <xs:annotation> <xs:documentation>The mission area allows the insertion of mission specific metadata.</xs:documentation> </xs:annotation> <xs:sequence> <!-- When creating a specific XML schema, remove the 'xs:any' element. You may insert any described nondigital object, one or more times. --> <xs:any namespace="##other" processContents="strict" minOccurs="0" maxOccurs="unbounded"/> <!-- <xs:element name="Any_NonDigital_Object" type="pds:Any_NonDigital_Object" minOccurs="0" maxOccurs="unbounded"> </xs:element> --> </xs:sequence> </xs:complexType></pre>

Complex Type pds:Discipline_Area

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Discipline area allows the insertion of discipline specific metadata.
Diagram	
Used by	Elements pds:Context_Area/pds:Discipline_Area, pds:Observation_Area/pds:Discipline_Area, pds:Product_Context/pds:Discipline_Area
Model	ANY element from ANY namespace OTHER than 'http://pds.nasa.gov/pds4/pds/v1'
Source	<pre><xs:complexType name="Discipline_Area"> <xs:annotation> <xs:documentation>The Discipline area allows the insertion of discipline specific metadata.</xs:documentation> </xs:annotation> <xs:sequence> <!-- When creating a specific XML schema, remove the 'xs:any' element. You may insert any described nondigital object, one or more times. --> <xs:any namespace="##other" processContents="strict" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType></pre>

```

<!-- <xs:element name="Any_NonDigital_Object" type="pds:Any_NonDigital_Object" minOccurs="0"
maxOccurs="unbounded"> </xs:element> -->
</xs:sequence>
</xs:complexType>

```

Complex Type pds:Bundle

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Bundle class describes a collection of collections.
Diagram	
Used by	Element pds:Product_Bundle/pds:Bundle
Model	pds:bundle_type , pds:description{0,1}
Children	pds:bundle_type, pds:description
Source	<pre> <xs:complexType name="Bundle"> <xs:annotation> <xs:documentation>The Bundle class describes a collection of collections.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="bundle_type" type="pds:bundle_type" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:File_Area_Text

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The File Area Text class describes a file that contains a text stream object.
Diagram	
Type	extension of pds:File_Area
Type hierarchy	<ul style="list-style-type: none"> pds:File_Area pds:File_Area_Text
Used by	Elements pds:Product_Bundle/pds:File_Area_Text, pds:Product_File_Text/pds:File_Area_Text
Model	pds:File , pds:Stream_Text
Children	pds:File, pds:Stream_Text
Source	<pre> <xs:complexType name="File_Area_Text"> <xs:annotation> <xs:documentation>The File Area Text class describes a file that contains a text stream object.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:File_Area"> <xs:sequence> <xs:element name="File" type="pds:File" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="Stream_Text" type="pds:Stream_Text" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>


```
</xs:complexContent>
</xs:complexType>
```

Complex Type pds:Bundle_Member_Entry

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Bundle Member Entry class provides a member reference to a collection.
Diagram	
Used by	Element pds:Product_Bundle/pds:Bundle_Member_Entry
Model	(pds:lid_reference{0,1} pds:lidvid_reference{0,1}) , pds:member_status , pds:reference_type
Children	pds:lid_reference, pds:lidvid_reference, pds:member_status, pds:reference_type
Source	<pre><xs:complexType name="Bundle_Member_Entry"> <xs:annotation> <xs:documentation>The Bundle Member Entry class provides a member reference to a collection.</xs:documentation> </xs:annotation> <xs:sequence> <xs:choice minOccurs="1" maxOccurs="1"> <xs:element name="lid_reference" type="pds:lid_reference" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="lidvid_reference" type="pds:lidvid_reference" minOccurs="0" maxOccurs="1"> </xs:element> </xs:choice> <xs:element name="member_status" type="pds:member_status" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="reference_type" type="pds:reference_type" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType></pre>

Complex Type pds:Product_Class_Definition

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Product Class Definition provides a class definition in XML encoding.
Diagram	
Type	extension of pds:Product
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_Class_Definition
Used by	Element pds:Product_Class_Definition
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:DD_Class_Full
Children	pds:DD_Class_Full, pds:Identification_Area, pds:Reference_List
Source	<pre><xs:complexType name="Product_Class_Definition"> <xs:annotation> <xs:documentation>The Product Class Definition provides a class definition in XML encoding.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Product"></pre>

```

<xs:sequence>
  <xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1">
  </xs:element>
  <xs:element name="DD_Class_Full" type="pds:DD_Class_Full" minOccurs="1" maxOccurs="1">
  </xs:element>
</xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>

```

Complex Type pds:DD_Class_Full

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The DD_Class_Full class provides a more complete definition of a class for a data dictionary.
Diagram	
Used by	Element pds:Product_Class_Definition/pds:DD_Class_Full
Model	pds:name , pds:version_id , pds:local_identifier , pds:steward_id , pds:type , pds:namespace_id , pds:submitter_name , pds:definition , pds:comment{0,1} , pds:registered_by , pds:registration_authority_id , pds:abstract_flag{0,1} , pds:element_flag{0,1} , pds:DD_Association* , pds:Terminological_Entry*
Children	pds:DD_Association, pds:Terminological_Entry, pds:abstract_flag, pds:comment, pds:definition, pds:element_flag, pds:local_identifier, pds:name, pds:namespace_id, pds:registered_by, pds:registration_authority_id, pds:steward_id, pds:submitter_name, pds:type, pds:version_id
Source	<pre> <xs:complexType name="DD_Class_Full"> <xs:annotation> <xs:documentation>The DD_Class_Full class provides a more complete definition of a class for a data dictionary.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="version_id" type="pds:version_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="local_identifier" type="pds:local_identifier" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="steward_id" type="pds:steward_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="type" type="pds:type" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="namespace_id" type="pds:namespace_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="submitter_name" type="pds:submitter_name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="definition" type="pds:definition" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="comment" type="pds:comment" minOccurs="0" maxOccurs="1"> </xs:element> </pre>

```

<xs:element name="registered_by" type="pds:registered_by" minOccurs="1" maxOccurs="1">
</xs:element>
<xs:element name="registration_authority_id" type="pds:registration_authority_id" minOccurs="1"
maxOccurs="1">
</xs:element>
<xs:element name="abstract_flag" type="pds:abstract_flag" minOccurs="0" maxOccurs="1">
</xs:element>
<xs:element name="element_flag" type="pds:element_flag" minOccurs="0" maxOccurs="1">
</xs:element>
<xs:element name="DD_Association" type="pds:DD_Association" minOccurs="0" maxOccurs="unbounded">
</xs:element>
<xs:element name="Terminological_Entry" type="pds:Terminological_Entry" minOccurs="0"
maxOccurs="unbounded">
</xs:element>
</xs:sequence>
</xs:complexType>

```

Complex Type pds:Product_Collection

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	A Product_Collection has a table of references to one or more basic products. The references are stored in a table called the inventory.
Diagram	
Type	extension of pds:Product
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_Collection
Used by	Element pds:Product_Collection
Model	pds:Identification_Area , pds:Context_Area{0,1} , pds:Reference_List{0,1} , pds:Collection , pds:File_Area_Inventory
Children	pds:Collection, pds:Context_Area, pds:File_Area_Inventory, pds:Identification_Area, pds:Reference_List
Source	<pre> <xs:complexType name="Product_Collection"> <xs:annotation> <xs:documentation>A Product_Collection has a table of references to one or more basic products. The references are stored in a table called the inventory.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Product"> <xs:sequence> <xs:element name="Context_Area" type="pds:Context_Area" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Collection" type="pds:Collection" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="File_Area_Inventory" type="pds:File_Area_Inventory" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Collection

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Collection class provides a description of a set of products.

Diagram	
Used by	Element pds:Product_Collection/pds:Collection
Model	pds:collection_type , pds:description{0,1}
Children	pds:collection_type, pds:description
Source	<pre><xs:complexType name="Collection"> <xs:annotation> <xs:documentation>The Collection class provides a description of a set of products.</ </xs:annotation> <xs:sequence> <xs:element name="collection_type" type="pds:collection_type" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType></pre>

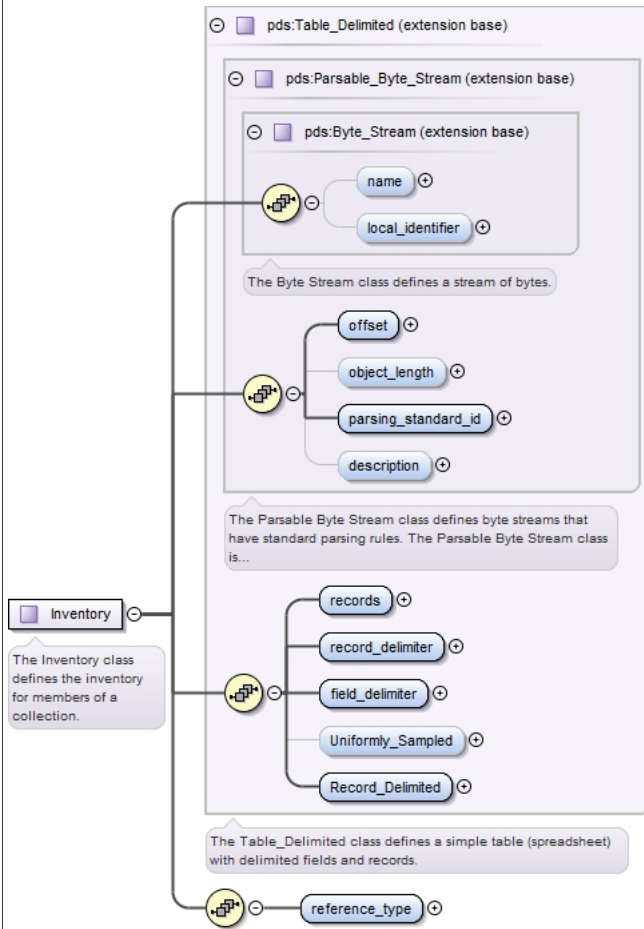
Complex Type pds:File_Area_Inventory

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The File Area Inventory class describes a file and an inventory consisting of references to members.
Diagram	
Type	extension of pds:File_Area
Type hierarchy	<ul style="list-style-type: none"> pds:File_Area pds:File_Area_Inventory
Used by	Element pds:Product_Collection/pds:File_Area_Inventory
Model	pds:File , pds:Inventory
Children	pds:File, pds:Inventory
Source	<pre><xs:complexType name="File_Area_Inventory"> <xs:annotation> <xs:documentation>The File Area Inventory class describes a file and an inventory consisting of </xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:File_Area"> <xs:sequence> <xs:element name="File" type="pds:File" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="Inventory" type="pds:Inventory" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType></pre>

Complex Type pds:Inventory

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Inventory class defines the inventory for members of a collection.

Diagram



Type	extension of pds:Table_Delimited
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Parsable_Byte_Stream • pds:Table_Delimited • pds:Inventory
Used by	Element pds:File_Area_Inventory/pds:Inventory
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:parsing_standard_id , pds:description{0,1} , pds:records , pds:record_delimiter , pds:field_delimiter , pds:Uniformly_Sampled{0,1} , pds:Record_Delimited , pds:reference_type
Children	pds:Record_Delimited, pds:Uniformly_Sampled, pds:description, pds:field_delimiter, pds:local_identifier, pds:name, pds:object_length, pds:offset, pds:parsing_standard_id, pds:record_delimiter, pds:records, pds:reference_type
Source	<pre> <xs:complexType name="Inventory"> <xs:annotation> <xs:documentation>The Inventory class defines the inventory for members of a collection.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Table_Delimited"> <xs:sequence> <xs:element name="reference_type" type="pds:reference_type" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Product_Context

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Product Context class describes something that provides context and provenance for an observational

<p>Diagram</p>	<p>product .</p>
<p>Type</p>	<p>extension of pds:Product</p>
<p>Type hierarchy</p>	<ul style="list-style-type: none"> • pds:Product • pds:Product_Context
<p>Used by</p>	<p>Element pds:Product_Context</p>
<p>Model</p>	<p>pds:Identification_Area , pds:Discipline_Area{0,1} , pds:Reference_List{0,1} , (pds:Agency pds:Facility pds:Instrument pds:Instrument_Host pds:Investigation pds:Node pds:Other pds:PDS_Affiliate pds:PDS_Guest pds:Resource pds:Target pds:Telescope)</p>
<p>Children</p>	<p>pds:Agency, pds:Discipline_Area, pds:Facility, pds:Identification_Area, pds:Instrument, pds:Instrument_Host, pds:Investigation, pds:Node, pds:Other, pds:PDS_Affiliate, pds:PDS_Guest, pds:Reference_List, pds:Resource, pds:Target, pds:Telescope</p>
<p>Source</p>	<pre> <xs:complexType name="Product_Context"> <xs:annotation> <xs:documentation>The Product Context class describes something that provides context and provenance for an observational product.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Product"> <xs:sequence> <xs:element name="Discipline_Area" type="pds:Discipline_Area" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element> <xs:choice minOccurs="1" maxOccurs="1"> <xs:element name="Agency" type="pds:Agency"> </xs:element> <xs:element name="Facility" type="pds:Facility"> </xs:element> <xs:element name="Instrument" type="pds:Instrument"> </xs:element> <xs:element name="Instrument_Host" type="pds:Instrument_Host"> </xs:element> <xs:element name="Investigation" type="pds:Investigation"> </xs:element> <xs:element name="Node" type="pds:Node"> </xs:element> <xs:element name="Other" type="pds:Other"> </xs:element> <xs:element name="PDS_Affiliate" type="pds:PDS_Affiliate"> </xs:element> </xs:choice> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

```

<xs:element name="PDS_Guest" type="pds:PDS_Guest">
</xs:element>
<xs:element name="Resource" type="pds:Resource">
</xs:element>
<xs:element name="Target" type="pds:Target">
</xs:element>
<xs:element name="Telescope" type="pds:Telescope">
</xs:element>
</xs:choice>
</xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>

```

Complex Type pds:Agency

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Agency class provides a description of an entity that provides regional or national level governance over nodes within the federated Planetary Data System.
Diagram	<p>The Agency class provides a description of an entity that provides regional or national level governance over nodes...</p>
Used by	Element pds:Product_Context/pds:Agency
Model	pds:name , pds:description
Children	pds:description, pds:name
Source	<pre> <xs:complexType name="Agency"> <xs:annotation> <xs:documentation>The Agency class provides a description of an entity that provides regional or national level governance over nodes within the federated Planetary Data System.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Facility

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Facility class provides a name and address for a terrestrial observatory or laboratory.
Diagram	<p>The Facility class provides a name and address for a terrestrial observatory or laboratory.</p>
Used by	Element pds:Product_Context/pds:Facility
Model	pds:name{0,1} , pds:type{0,1} , pds:address{0,1} , pds:country{0,1} , pds:description{0,1}
Children	pds:address, pds:country, pds:description, pds:name, pds:type
Source	<pre> <xs:complexType name="Facility"> <xs:annotation> <xs:documentation>The Facility class provides a name and address for a terrestrial observatory or laboratory.</xs:documentation> </xs:annotation> <xs:sequence> </pre>

```

<xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1">
</xs:element>
<xs:element name="type" type="pds:type" minOccurs="0" maxOccurs="1">
</xs:element>
<xs:element name="address" type="pds:address" minOccurs="0" maxOccurs="1">
</xs:element>
<xs:element name="country" type="pds:country" minOccurs="0" maxOccurs="1">
</xs:element>
<xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1">
</xs:element>
</xs:sequence>
</xs:complexType>
    
```

Complex Type pds:Instrument

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Instrument class provides a description of a physical object that collects data.
Diagram	
Used by	Element pds:Product_Context/pds:Instrument
Model	pds:name{0,1} , pds:type+ , pds:model_id{0,1} , pds:naif_instrument_id{0,1} , pds:serial_number{0,1} , pds:description
Children	pds:description, pds:model_id, pds:naif_instrument_id, pds:name, pds:serial_number, pds:type
Source	<pre> <xs:complexType name="Instrument"> <xs:annotation> <xs:documentation>The Instrument class provides a description of a physical object that collects data.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="type" type="pds:type" minOccurs="1" maxOccurs="unbounded"> </xs:element> <xs:element name="model_id" type="pds:model_id" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="naif_instrument_id" type="pds:naif_instrument_id" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="serial_number" type="pds:serial_number" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Instrument_Host

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Instrument Host class provides a description of the physical object upon which an instrument is mounted.
Diagram	

Used by	Element pds:Product_Context/pds:Instrument_Host
Model	pds:name{0,1} , pds:instrument_host_version_id{0,1} , pds:version_id{0,1} , pds:type , pds:naif_host_id{0,1} , pds:serial_number{0,1} , pds:description
Children	pds:description, pds:instrument_host_version_id, pds:naif_host_id, pds:name, pds:serial_number, pds:type, pds:version_id
Source	<pre> <xs:complexType name="Instrument_Host"> <xs:annotation> <xs:documentation>The Instrument Host class provides a description of the physical object upon which an instrument is mounted.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="instrument_host_version_id" type="pds:instrument_host_version_id" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="version_id" type="pds:version_id" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="type" type="pds:type" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="naif_host_id" type="pds:naif_host_id" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="serial_number" type="pds:serial_number" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Investigation

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Investigation class provides a description of activities involved in the collection of data.
Diagram	
Used by	Element pds:Product_Context/pds:Investigation
Model	pds:name{0,1} , pds:type , pds:start_date , pds:stop_date , pds:description
Children	pds:description, pds:name, pds:start_date, pds:stop_date, pds:type
Source	<pre> <xs:complexType name="Investigation"> <xs:annotation> <xs:documentation>The Investigation class provides a description of activities involved in the collection of data.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="type" type="pds:type" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="start_date" type="pds:start_date" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="stop_date" nillable="true" type="pds:stop_date" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:stop_date

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Diagram									
Type	extension of pds:ASCII_Date_YMD								
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Date_YMD pds:stop_date 								
Used by	Element pds:Investigation/pds:stop_date								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>nilReason</td> <td>pds:nil_reason</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	nilReason	pds:nil_reason	optional		
QName	Type	Use							
nilReason	pds:nil_reason	optional							
Source	<pre><xs:complexType name="stop_date"> <xs:simpleContent> <xs:extension base="pds:ASCII_Date_YMD"> <xs:attribute name="nilReason" type="pds:nil_reason" use="optional" /> </xs:extension> </xs:simpleContent> </xs:complexType></pre>								

Complex Type pds:Node

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Annotations	The Node class provides a description of an entity that provides local governance within the federated Planetary Data System.		
Diagram			
Used by	Element pds:Product_Context/pds:Node		
Model	pds:name , pds:institution_name , pds:description		
Children	pds:description, pds:institution_name, pds:name		
Source	<pre><xs:complexType name="Node"> <xs:annotation> <xs:documentation>The Node class provides a description of an entity that provides local governance within the federated Planetary Data System.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="institution_name" type="pds:institution_name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType></pre>		

Complex Type pds:Other

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Annotations	The Other class provides a description of activities involved in the collection of data which are not otherwise modeled.		

Diagram	<p>The Other class provides a description of activities involved in the collection of data which are not otherwise modeled.</p>
Used by	Element pds:Product_Context/pds:Other
Model	pds:description
Children	pds:description
Source	<pre><xs:complexType name="Other"> <xs:annotation> <xs:documentation>The Other class provides a description of activities involved in the collection of data which are not otherwise modeled.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType></pre>

Complex Type pds:PDS_Affiliate

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The PDS Affiliate class provides a description of a person who has an association with the planetary science community and has access to PDS resources not normally allowed to the general public.
Diagram	<p>The PDS Affiliate class provides a description of a person who has an association with the planetary science community...</p>
Used by	Element pds:Product_Context/pds:PDS_Affiliate
Model	pds:name{0,1} , pds:registration_date , pds:electronic_mail_address* , pds:sort_name , pds:affiliation_type , pds:alternate_telephone_number{0,1} , pds:institution_name , pds:phone_book_flag , pds:postal_address_text , pds:team_name* , pds:telephone_number{0,1} , pds:description
Children	pds:affiliation_type, pds:alternate_telephone_number, pds:description, pds:electronic_mail_address, pds:institution_name, pds:name, pds:phone_book_flag, pds:postal_address_text, pds:registration_date, pds:sort_name, pds:team_name, pds:telephone_number
Source	<pre><xs:complexType name="PDS_Affiliate"> <xs:annotation> <xs:documentation>The PDS Affiliate class provides a description of a person who has an association with the planetary science community and has access to PDS resources not normally allowed to the general public.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="registration_date" type="pds:registration_date" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="electronic_mail_address" type="pds:electronic_mail_address" minOccurs="0" maxOccurs="unbounded"> </xs:element></pre>

```

</xs:element>
<xs:element name="sort_name" type="pds:sort_name" minOccurs="1" maxOccurs="1">
</xs:element>
<xs:element name="affiliation_type" type="pds:affiliation_type" minOccurs="1" maxOccurs="1">
</xs:element>
<xs:element name="alternate_telephone_number" type="pds:alternate_telephone_number"
minOccurs="0" maxOccurs="1">
</xs:element>
<xs:element name="institution_name" type="pds:institution_name" minOccurs="1" maxOccurs="1">
</xs:element>
<xs:element name="phone_book_flag" type="pds:phone_book_flag" minOccurs="1" maxOccurs="1">
</xs:element>
<xs:element name="postal_address_text" type="pds:postal_address_text" minOccurs="1"
maxOccurs="1">
</xs:element>
<xs:element name="team_name" type="pds:team_name" minOccurs="0" maxOccurs="unbounded">
</xs:element>
<xs:element name="telephone_number" type="pds:telephone_number" minOccurs="0" maxOccurs="1">
</xs:element>
<xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1">
</xs:element>
</xs:sequence>
</xs:complexType>
    
```

Complex Type pds:PDS_Guest

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The PDS_Guest class is the default description of a person who has an association with the planetary science community and who has the most limited access to PDS resources.
Diagram	
Used by	Element pds:Product_Context/pds:PDS_Guest
Model	pds:name{0,1} , pds:registration_date , pds:electronic_mail_address* , pds:sort_name , pds:description
Children	pds:description, pds:electronic_mail_address, pds:name, pds:registration_date, pds:sort_name
Source	<pre> <xs:complexType name="PDS_Guest"> <xs:annotation> <xs:documentation>The PDS_Guest class is the default description of a person who has an association with the planetary science community and who has the most limited access to PDS resources.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="registration_date" type="pds:registration_date" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="electronic_mail_address" type="pds:electronic_mail_address" minOccurs="0" maxOccurs="unbounded"> </xs:element> <xs:element name="sort_name" type="pds:sort_name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Resource

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Resource class provides a description of a web resource.

Diagram	
Used by	Element pds:Product_Context/pds:Resource
Model	pds:name{0,1} , pds:type , pds:url , pds:description
Children	pds:description, pds:name, pds:type, pds:url
Source	<pre> <xs:complexType name="Resource"> <xs:annotation> <xs:documentation>The Resource class provides a description of a web resource.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="type" type="pds:type" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="url" type="pds:url" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Target

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Target class provides a description of a physical object that is the object of data collection.
Diagram	
Used by	Element pds:Product_Context/pds:Target
Model	pds:name{0,1} , pds:type* , pds:description
Children	pds:description, pds:name, pds:type
Source	<pre> <xs:complexType name="Target"> <xs:annotation> <xs:documentation>The Target class provides a description of a physical object that is the object of data collection.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="type" type="pds:type" minOccurs="0" maxOccurs="unbounded"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Telescope

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Telescope class provides coordinates and parameters for terrestrial, ground-based telescopes.

Diagram	
Used by	Element pds:Product_Context/pds:Telescope
Model	pds:aperture , pds:telescope_longitude{0,1} , pds:telescope_latitude{0,1} , pds:altitude , pds:coordinate_source , pds:description{0,1}
Children	pds:altitude, pds:aperture, pds:coordinate_source, pds:description, pds:telescope_latitude, pds:telescope_longitude
Source	<pre> <xs:complexType name="Telescope"> <xs:annotation> <xs:documentation>The Telescope class provides coordinates and parameters for terrestrial, ground-based telescopes.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="aperture" type="pds:aperture" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="telescope_longitude" type="pds:telescope_longitude" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="telescope_latitude" type="pds:telescope_latitude" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="altitude" type="pds:altitude" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="coordinate_source" type="pds:coordinate_source" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:aperture

Namespace	http://pds.nasa.gov/pds4/pds/v1										
Annotations	The aperture attribute provides the diameter of an opening, usually circular, that limits the quantity of light that can enter an optical instrument.										
Diagram											
Type	extension of pds:aperture_WO_Units										
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:aperture_WO_Units • pds:aperture 										
Used by	Element	pds:Telescope/pds:aperture									
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Length</td> <td>required</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		unit	pds:Units_of_Length	required			
QName	Type	Use									
unit	pds:Units_of_Length	required									
Source	<pre> <xs:complexType name="aperture"> <xs:annotation> <xs:documentation>The aperture attribute provides the diameter of an opening, usually circular, that limits the quantity of light that can enter an optical instrument.</xs:documentation> </xs:annotation> <xs:simpleContent> </pre>										

```
<xs:extension base="pds:aperture_WO_Units">
  <xs:attribute name="unit" type="pds:Units_of_Length" use="required"/>
</xs:extension>
</xs:simpleContent>
</xs:complexType>
```

Complex Type pds:telescope_longitude

Namespace	http://pds.nasa.gov/pds4/pds/v1								
Annotations	The longitude attribute provides the angular distance east or west on the object's surface, measured by the angle contained between the meridian of a particular place and some prime meridian.								
Diagram									
Type	extension of pds:telescope_longitude_WO_Units								
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:telescope_longitude_WO_Units • pds:telescope_longitude 								
Used by	Element	pds:Telescope/pds:telescope_longitude							
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:Units_of_Angle</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:Units_of_Angle	required		
QName	Type	Use							
unit	pds:Units_of_Angle	required							
Source	<pre><xs:complexType name="telescope_longitude"> <xs:annotation> <xs:documentation>The longitude attribute provides the angular distance east or west on the object's surface, measured by the angle contained between the meridian of a particular place and some prime meridian.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="pds:telescope_longitude_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/> </xs:extension> </xs:simpleContent> </xs:complexType></pre>								

Complex Type pds:telescope_latitude

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Annotations	The latitude attribute provides the angular distance north or south from the equator of a point on the object's surface, measured on the meridian of the point.		
Diagram			
Type	extension of pds:telescope_latitude_WO_Units		
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:telescope_latitude_WO_Units • pds:telescope_latitude 		
Used by	Element	pds:Telescope/pds:telescope_latitude	

Attributes	QName	Type	Use
	unit	pds:Units_of_Angle	required

Source

```
<xs:complexType name="telescope_latitude">
  <xs:annotation>
    <xs:documentation>The latitude attribute provides the angular distance north or south from the equator of a point on the object's surface, measured on the meridian of the point.</xs:documentation>
  </xs:annotation>
  <xs:simpleContent>
    <xs:extension base="pds:telescope_latitude_WO_Units">
      <xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

Complex Type pds:altitude

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Annotations	The altitude attribute provides the height of anything above a given reference plane.		
Diagram			
Type	extension of pds:altitude_WO_Units		
Type hierarchy	<ul style="list-style-type: none"> • xs:double • pds:ASCII_Real • pds:altitude_WO_Units • pds:altitude 		
Used by	Element	pds:Telescope/pds:altitude	
Attributes	QName	Type	Use
	unit	pds:Units_of_Length	required
Source	<pre><xs:complexType name="altitude"> <xs:annotation> <xs:documentation>The altitude attribute provides the height of anything above a given reference plane.</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="pds:altitude_WO_Units"> <xs:attribute name="unit" type="pds:Units_of_Length" use="required"/> </xs:extension> </xs:simpleContent> </xs:complexType></pre>		

Complex Type pds:Product_DIP

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Annotations	The Product DIP class defines a product for the Dissemination Information Package.		
Diagram			

Type	extension of pds:Product
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_DIP
Used by	Element pds:Product_DIP
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:Information_Package_Component+ , pds:Dissemination_Information_Package
Children	pds:Dissemination_Information_Package, pds:Identification_Area, pds:Information_Package_Component, pds:Reference_List
Source	<pre><xs:complexType name="Product_DIP"> <xs:annotation> <xs:documentation>The Product DIP class defines a product for the Dissemination Information Package.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Product"> <xs:sequence> <xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Information_Package_Component" type="pds:Information_Package_Component" minOccurs="1" maxOccurs="unbounded"> </xs:element> <xs:element name="Dissemination_Information_Package" type="pds:Dissemination_Information_Package" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType></pre>

Complex Type pds:Dissemination_Information_Package

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Dissemination Information Package (DIP) class defines an Information Package, derived from one or more AIPs, that is received by a consumer.
Diagram	
Type	restriction of pds:Information_Package
Type hierarchy	<ul style="list-style-type: none"> pds:Information_Package pds:Dissemination_Information_Package
Used by	Element pds:Product_DIP/pds:Dissemination_Information_Package
Model	pds:description
Children	pds:description
Source	<pre><xs:complexType name="Dissemination_Information_Package"> <xs:annotation> <xs:documentation>The Dissemination Information Package (DIP) class defines an Information Package, derived from one or more AIPs, that is received by a consumer.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:restriction base="pds:Information_Package"> <xs:sequence> <xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:restriction> </xs:complexContent> </xs:complexType></pre>

Complex Type pds:Product_DIP_Deep_Archive

Namespace	http://pds.nasa.gov/pds4/pds/v1
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Annotations	The Product DIP_Deep_Archive class defines a product for the Dissemination Information Package for the deep archive.
Diagram	
Type	extension of pds:Product
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_DIP_Deep_Archive
Used by	Element pds:Product_DIP_Deep_Archive
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:Information_Package_Component+ , pds:DIP_Deep_Archive
Children	pds:DIP_Deep_Archive, pds:Identification_Area, pds:Information_Package_Component, pds:Reference_List
Source	<pre> <xs:complexType name="Product_DIP_Deep_Archive"> <xs:annotation> <xs:documentation>The Product DIP_Deep_Archive class defines a product for the Dissemination Information Package for the deep archive.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Product"> <xs:sequence> <xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Information_Package_Component" type="pds:Information_Package_Component" minOccurs="1" maxOccurs="unbounded"> </xs:element> <xs:element name="DIP_Deep_Archive" type="pds:DIP_Deep_Archive" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:DIP_Deep_Archive

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Dissemination Information Package Deep Archive class is an Information Package derived from one or more AIPs and is received by the National Space Science Data Center (NSSDC).
Diagram	
Type	restriction of pds:Information_Package
Type hierarchy	<ul style="list-style-type: none"> pds:Information_Package pds:DIP_Deep_Archive
Used by	Element pds:Product_DIP_Deep_Archive/pds:DIP_Deep_Archive
Model	pds:description
Children	pds:description

Source	<pre> <xs:complexType name="DIP_Deep_Archive"> <xs:annotation> <xs:documentation>The Dissemination Information Package Deep Archive class is an Information Package derived from one or more AIPs and is received by the National Space Science Data Center (NSSDC).</xs:documentation> </xs:annotation> <xs:complexContent> <xs:restriction base="pds:Information_Package"> <xs:sequence> <xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>
--------	--

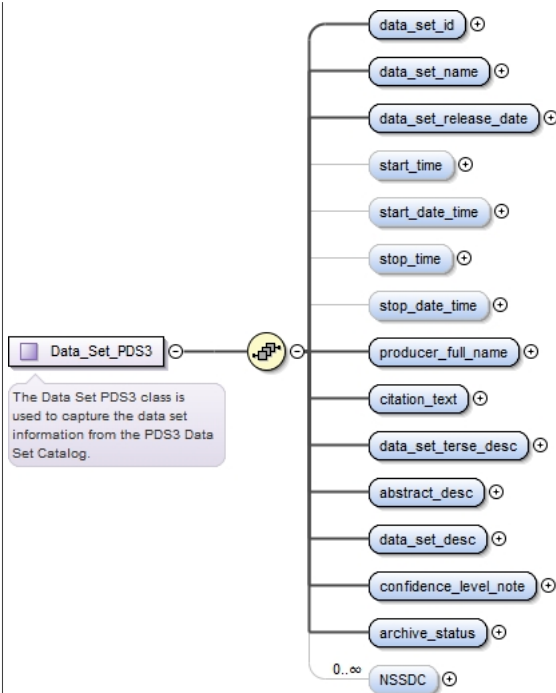
Complex Type pds:Product_Data_Set_PDS3

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Data Set PDS3 product is used to create proxy labels for the data sets in the PDS3 Data Set catalog.
Diagram	
Type	extension of pds:Product
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_Data_Set_PDS3
Used by	Element pds:Product_Data_Set_PDS3
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:Data_Set_PDS3
Children	pds:Data_Set_PDS3, pds:Identification_Area, pds:Reference_List
Source	<pre> <xs:complexType name="Product_Data_Set_PDS3"> <xs:annotation> <xs:documentation>The Data Set PDS3 product is used to create proxy labels for the data sets in the PDS3 Data Set catalog.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Product"> <xs:sequence> <xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Data_Set_PDS3" type="pds:Data_Set_PDS3" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Data_Set_PDS3

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Data Set PDS3 class is used to capture the data set information from the PDS3 Data Set Catalog.

Diagram



Used by

Element pds:Product_Data_Set_PDS3/pds:Data_Set_PDS3

Model

pds:data_set_id , pds:data_set_name , pds:data_set_release_date , pds:start_time{0,1} , pds:start_date_time{0,1} , pds:stop_time{0,1} , pds:stop_date_time{0,1} , pds:producer_full_name , pds:citation_text , pds:data_set_terse_desc , pds:abstract_desc , pds:data_set_desc , pds:confidence_level_note , pds:archive_status , pds:NSSDC*

Children

pds:NSSDC, pds:abstract_desc, pds:archive_status, pds:citation_text, pds:confidence_level_note, pds:data_set_desc, pds:data_set_id, pds:data_set_name, pds:data_set_release_date, pds:data_set_terse_desc, pds:producer_full_name, pds:start_date_time, pds:start_time, pds:stop_date_time, pds:stop_time

Source

```
<xs:complexType name="Data_Set_PDS3">
  <xs:annotation>
    <xs:documentation>The Data Set PDS3 class is used to capture the data set information from the
    PDS3 Data Set Catalog.</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="data_set_id" type="pds:data_set_id" minOccurs="1" maxOccurs="1">
    </xs:element>
    <xs:element name="data_set_name" type="pds:data_set_name" minOccurs="1" maxOccurs="1">
    </xs:element>
    <xs:element name="data_set_release_date" type="pds:data_set_release_date" minOccurs="1"
    maxOccurs="1">
    </xs:element>
    <xs:element name="start_time" nillable="true" type="pds:start_time" minOccurs="0" maxOccurs="1">
    </xs:element>
    <xs:element name="start_date_time" nillable="true" type="pds:start_date_time" minOccurs="0"
    maxOccurs="1">
    </xs:element>
    <xs:element name="stop_time" nillable="true" type="pds:stop_time" minOccurs="0" maxOccurs="1">
    </xs:element>
    <xs:element name="stop_date_time" nillable="true" type="pds:stop_date_time" minOccurs="0"
    maxOccurs="1">
    </xs:element>
    <xs:element name="producer_full_name" type="pds:producer_full_name" minOccurs="1" maxOccurs="1">
    </xs:element>
    <xs:element name="citation_text" type="pds:citation_text" minOccurs="1" maxOccurs="1">
    </xs:element>
    <xs:element name="data_set_terse_desc" type="pds:data_set_terse_desc" minOccurs="1"
    maxOccurs="1">
    </xs:element>
    <xs:element name="abstract_desc" type="pds:abstract_desc" minOccurs="1" maxOccurs="1">
    </xs:element>
    <xs:element name="data_set_desc" type="pds:data_set_desc" minOccurs="1" maxOccurs="1">
    </xs:element>
    <xs:element name="confidence_level_note" type="pds:confidence_level_note" minOccurs="1"
    maxOccurs="1">
    </xs:element>
    <xs:element name="archive_status" type="pds:archive_status" minOccurs="1" maxOccurs="1">
    </xs:element>
    <xs:element name="NSSDC" type="pds:NSSDC" minOccurs="0" maxOccurs="unbounded">
  </xs:sequence>
</xs:complexType>
```

```
</xs:element>
</xs:sequence>
</xs:complexType>
```

Complex Type pds:start_time

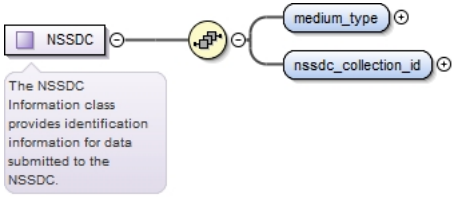
Namespace	http://pds.nasa.gov/pds4/pds/v1								
Diagram									
Type	extension of pds:ASCII_Date_Time								
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Date_Time pds:start_time 								
Used by	Element pds:Data_Set_PDS3/pds:start_time								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>nilReason</td> <td>pds:nil_reason</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	nilReason	pds:nil_reason	optional		
QName	Type	Use							
nilReason	pds:nil_reason	optional							
Source	<pre><xs:complexType name="start_time"> <xs:simpleContent> <xs:extension base="pds:ASCII_Date_Time"> <xs:attribute name="nilReason" type="pds:nil_reason" use="optional" /> </xs:extension> </xs:simpleContent> </xs:complexType></pre>								

Complex Type pds:stop_time

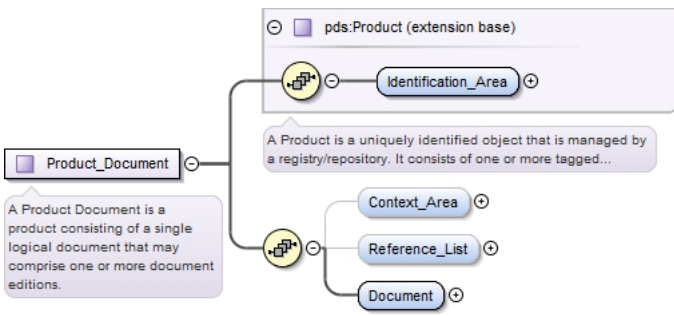
Namespace	http://pds.nasa.gov/pds4/pds/v1								
Diagram									
Type	extension of pds:ASCII_Date_Time								
Type hierarchy	<ul style="list-style-type: none"> xs:string pds:ASCII_Date_Time pds:stop_time 								
Used by	Element pds:Data_Set_PDS3/pds:stop_time								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>nilReason</td> <td>pds:nil_reason</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	nilReason	pds:nil_reason	optional		
QName	Type	Use							
nilReason	pds:nil_reason	optional							
Source	<pre><xs:complexType name="stop_time"> <xs:simpleContent> <xs:extension base="pds:ASCII_Date_Time"> <xs:attribute name="nilReason" type="pds:nil_reason" use="optional" /> </xs:extension> </xs:simpleContent> </xs:complexType></pre>								

Complex Type pds:NSSDC

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The NSSDC Information class provides identification information for data submitted to the NSSDC.

Diagram	
Used by	Element pds:Data_Set_PDS3/pds:NSSDC
Model	pds:medium_type , pds:nssdc_collection_id
Children	pds:medium_type, pds:nssdc_collection_id
Source	<pre> <xs:complexType name="NSSDC"> <xs:annotation> <xs:documentation>The NSSDC Information class provides identification information for data submitted to the NSSDC.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="medium_type" type="pds:medium_type" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="nssdc_collection_id" type="pds:nssdc_collection_id" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Product_Document

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	A Product Document is a product consisting of a single logical document that may comprise one or more document editions.
Diagram	
Type	extension of pds:Product
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_Document
Used by	Element pds:Product_Document
Model	pds:Identification_Area , pds:Context_Area{0,1} , pds:Reference_List{0,1} , pds:Document
Children	pds:Context_Area, pds:Document, pds:Identification_Area, pds:Reference_List
Source	<pre> <xs:complexType name="Product_Document"> <xs:annotation> <xs:documentation>A Product Document is a product consisting of a single logical document that may comprise one or more document editions.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Product"> <xs:sequence> <xs:element name="Context_Area" type="pds:Context_Area" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Document" type="pds:Document" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Document

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Document class describes a document.
Diagram	
Used by	Element pds:Product_Document/pds:Document
Model	pds:revision_id{0,1} , pds:document_name{0,1} , pds:doi{0,1} , pds:author_list{0,1} , pds:editor_list{0,1} , pds:acknowledgement_text{0,1} , pds:copyright{0,1} , pds:publication_date , pds:document_editions{0,1} , pds:description{0,1} , pds:Document_Edition+
Children	pds:Document_Edition, pds:acknowledgement_text, pds:author_list, pds:copyright, pds:description, pds:document_editions, pds:document_name, pds:doi, pds:editor_list, pds:publication_date, pds:revision_id
Source	<pre> <xs:complexType name="Document"> <xs:annotation> <xs:documentation>The Document class describes a document.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="revision_id" type="pds:revision_id" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="document_name" type="pds:document_name" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="doi" type="pds:doi" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="author_list" type="pds:author_list" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="editor_list" type="pds:editor_list" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="acknowledgement_text" type="pds:acknowledgement_text" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="copyright" type="pds:copyright" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="publication_date" nillable="true" type="pds:publication_date" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="document_editions" type="pds:document_editions" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Document_Edition" type="pds:Document_Edition" minOccurs="1" maxOccurs="unbounded"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:publication_date

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	

Type	extension of pds:ASCII_Date_YMD			
Type hierarchy	<ul style="list-style-type: none"> • xs:string • pds:ASCII_Date_YMD • pds:publication_date 			
Used by	Elements pds:Document/pds:publication_date, pds:Volume_PDS3/pds:publication_date			
Attributes	QName	Type	Use	
	nilReason	pds:nil_reason	optional	
Source	<pre><xs:complexType name="publication_date"> <xs:simpleContent> <xs:extension base="pds:ASCII_Date_YMD"> <xs:attribute name="nilReason" type="pds:nil_reason" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType></pre>			

Complex Type pds:Document_Edition

Namespace	http://pds.nasa.gov/pds4/pds/v1			
Annotations	A Document Edition is one complete version of the document in a set of files that is distinguished by language, a unique assemblage of file formats, or some other criteria.			
Diagram				
Used by	Element pds:Document/pds:Document_Edition			
Model	pds:edition_name , pds:starting_point_identifier{0,1} , pds:language , pds:files , pds:description{0,1} , pds:Document_File+			
Children	pds:Document_File, pds:description, pds:edition_name, pds:files, pds:language, pds:starting_point_identifier			
Source	<pre><xs:complexType name="Document_Edition"> <xs:annotation> <xs:documentation>A Document Edition is one complete version of the document in a set of files that is distinguished by language, a unique assemblage of file formats, or some other criteria.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="edition_name" type="pds:edition_name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="starting_point_identifier" type="pds:starting_point_identifier" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="language" type="pds:language" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="files" type="pds:files" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Document_File" type="pds:Document_File" minOccurs="1" maxOccurs="unbounded"> </xs:element> </xs:sequence> </xs:complexType></pre>			

Complex Type pds:Document_File

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Annotations	The Document File class describes a file which is a part of a document.		

Diagram	
Type	extension of pds:File
Type hierarchy	<ul style="list-style-type: none"> • pds:File • pds:Document_File
Used by	Element pds:Document_Edition/pds:Document_File
Model	pds:file_name , pds:local_identifier{0,1} , pds:creation_date_time{0,1} , pds:file_size{0,1} , pds:records{0,1} , pds:md5_checksum{0,1} , pds:comment{0,1} , pds:directory_path_name{0,1} , pds:document_standard_id
Children	pds:comment, pds:creation_date_time, pds:directory_path_name, pds:document_standard_id, pds:file_name, pds:file_size, pds:local_identifier, pds:md5_checksum, pds:records
Source	<pre> <xs:complexType name="Document_File"> <xs:annotation> <xs:documentation>The Document File class describes a file which is a part of a document.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:File"> <xs:sequence> <xs:element name="directory_path_name" type="pds:directory_path_name" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="document_standard_id" type="pds:document_standard_id" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Product_File_Repository

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Product File Repository class consists of a single text file. This product is used to register a file in a repository.
Diagram	
Type	extension of pds:Product
Type hierarchy	<ul style="list-style-type: none"> • pds:Product

	<ul style="list-style-type: none"> • pds:Product_File_Repository
Used by	Element pds:Product_File_Repository
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:File_Area_Binary
Children	pds:File_Area_Binary, pds:Identification_Area, pds:Reference_List
Source	<pre><xs:complexType name="Product_File_Repository"> <xs:annotation> <xs:documentation>The Product File Repository class consists of a single text file. This product is used to register a file in a repository.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Product"> <xs:sequence> <xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="File_Area_Binary" type="pds:File_Area_Binary" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType></pre>

Complex Type pds:File_Area_Binary

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The File Area Binary class describes a file that contains an encoded byte stream.
Diagram	<p>The diagram illustrates the class hierarchy and structure of pds:File_Area_Binary. It is an extension of pds:File_Area. The pds:File_Area class defines a File and its component data objects. The pds:File_Area_Binary class describes a file that contains an encoded byte stream. The pds:File_Area_Binary class contains a File element and an Encoded_Binary element (0..∞).</p>
Type	extension of pds:File_Area
Type hierarchy	<ul style="list-style-type: none"> • pds:File_Area • pds:File_Area_Binary
Used by	Elements pds:Product_File_Repository/pds:File_Area_Binary, pds:Product_Proxy_PDS3/pds:File_Area_Binary
Model	pds:File , pds:Encoded_Binary*
Children	pds:Encoded_Binary, pds:File
Source	<pre><xs:complexType name="File_Area_Binary"> <xs:annotation> <xs:documentation>The File Area Binary class describes a file that contains an encoded byte stream.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:File_Area"> <xs:sequence> <xs:element name="File" type="pds:File" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="Encoded_Binary" type="pds:Encoded_Binary" minOccurs="0" maxOccurs="unbounded"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType></pre>

Complex Type pds:Encoded_Binary

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Encoded Binary class describes a binary encoded byte stream. This class is used to describe files in the repository that are being registered using Product_File_Repository.

<p>Diagram</p>	
<p>Type</p>	<p>restriction of pds:Encoded_Byte_Stream</p>
<p>Type hierarchy</p>	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Encoded_Byte_Stream • pds:Encoded_Binary
<p>Used by</p>	<p>Elements pds:File_Area_Binary/pds:Encoded_Binary, pds:File_Area_Observational_Supplemental/pds:Encoded_Binary</p>
<p>Model</p>	<p>pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:encoding_standard_id , pds:description{0,1}</p>
<p>Children</p>	<p>pds:description, pds:encoding_standard_id, pds:local_identifier, pds:name, pds:object_length, pds:offset</p>
<p>Source</p>	<pre> <xs:complexType name="Encoded_Binary"> <xs:annotation> <xs:documentation>The Encoded Binary class describes a binary encoded byte stream. This class is used to describe files in the repository that are being registered using Product_File_Repository.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:restriction base="pds:Encoded_Byte_Stream"> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="object_length" type="pds:object_length" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="encoding_standard_id" type="pds:encoding_standard_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Product_File_Text

<p>Namespace</p>	<p>http://pds.nasa.gov/pds4/pds/v1</p>
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Annotations	The Product File Text consists of a single text file with ASCII character encoding.
Diagram	
Type	extension of pds:Product
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_File_Text
Used by	Element pds:Product_File_Text
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:File_Area_Text
Children	pds:File_Area_Text, pds:Identification_Area, pds:Reference_List
Source	<pre> <xs:complexType name="Product_File_Text"> <xs:annotation> <xs:documentation>The Product File Text consists of a single text file with ASCII character encoding.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Product"> <xs:sequence> <xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="File_Area_Text" type="pds:File_Area_Text" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Product_Instrument_Host_PDS3

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	An Instrument Host product describes an instrument host. This product captures the PDS3 catalog instrument host information.
Diagram	
Type	extension of pds:Product
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_Instrument_Host_PDS3
Used by	Element pds:Product_Instrument_Host_PDS3
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:Instrument_Host_PDS3
Children	pds:Identification_Area, pds:Instrument_Host_PDS3, pds:Reference_List
Source	<pre> <xs:complexType name="Product_Instrument_Host_PDS3"> <xs:annotation> <xs:documentation>An Instrument Host product describes an instrument host. This product captures the PDS3 catalog instrument host information.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Product"> <xs:sequence> </pre>

```

<xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1">
</xs:element>
<xs:element name="Instrument_Host_PDS3" type="pds:Instrument_Host_PDS3" minOccurs="1"
maxOccurs="1">
</xs:element>
</xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>

```

Complex Type pds:Instrument_Host_PDS3

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Instrument Host class provides a description of the physical object upon which an instrument is mounted. This class captures the PDS3 catalog Instrument Host information.
Diagram	
Used by	Element pds:Product_Instrument_Host_PDS3/pds:Instrument_Host_PDS3
Model	pds:instrument_host_name , pds:instrument_host_desc , pds:instrument_host_id , pds:instrument_host_type
Children	pds:instrument_host_desc, pds:instrument_host_id, pds:instrument_host_name, pds:instrument_host_type
Source	<pre> <xs:complexType name="Instrument_Host_PDS3"> <xs:annotation> <xs:documentation>The Instrument Host class provides a description of the physical object upon which an instrument is mounted. This class captures the PDS3 catalog Instrument Host information.</ xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="instrument_host_name" type="pds:instrument_host_name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="instrument_host_desc" type="pds:instrument_host_desc" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="instrument_host_id" type="pds:instrument_host_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="instrument_host_type" type="pds:instrument_host_type" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Product_Instrument_PDS3

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	An Instrument product describes an instrument. This product captures the PDS3 catalog instrument information.
Diagram	
Type	extension of pds:Product
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_Instrument_PDS3

Used by	Element pds:Product_Instrument_PDS3
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:Instrument_PDS3
Children	pds:Identification_Area, pds:Instrument_PDS3, pds:Reference_List
Source	<pre><xs:complexType name="Product_Instrument_PDS3"> <xs:annotation> <xs:documentation>An Instrument product describes an instrument. This product captures the PDS3 catalog instrument information.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Product"> <xs:sequence> <xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Instrument_PDS3" type="pds:Instrument_PDS3" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType></pre>

Complex Type pds:Instrument_PDS3

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Instrument class provides a description of a physical object that collects data. This class captures the PDS3 catalog Instrument information.
Diagram	
Used by	Element pds:Product_Instrument_PDS3/pds:Instrument_PDS3
Model	pds:instrument_name , pds:instrument_desc , pds:instrument_id , pds:instrument_serial_number , pds:instrument_type , pds:instrument_version_id
Children	pds:instrument_desc, pds:instrument_id, pds:instrument_name, pds:instrument_serial_number, pds:instrument_type, pds:instrument_version_id
Source	<pre><xs:complexType name="Instrument_PDS3"> <xs:annotation> <xs:documentation>The Instrument class provides a description of a physical object that collects data. This class captures the PDS3 catalog Instrument information.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="instrument_name" type="pds:instrument_name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="instrument_desc" type="pds:instrument_desc" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="instrument_id" type="pds:instrument_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="instrument_serial_number" type="pds:instrument_serial_number" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="instrument_type" type="pds:instrument_type" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="instrument_version_id" type="pds:instrument_version_id" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType></pre>

Complex Type pds:Product_Mission_PDS3

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	An Mission product describes a mission. This product captures the PDS3 catalog mission information.

Diagram	
Type	extension of pds:Product
Type hierarchy	<ul style="list-style-type: none"> • pds:Product • pds:Product_Mission_PDS3
Used by	Element pds:Product_Mission_PDS3
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:Mission_PDS3
Children	pds:Identification_Area, pds:Mission_PDS3, pds:Reference_List
Source	<pre> <xs:complexType name="Product_Mission_PDS3"> <xs:annotation> <xs:documentation>An Mission product describes a mission. This product captures the PDS3 catalog mission information.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Product"> <xs:sequence> <xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Mission_PDS3" type="pds:Mission_PDS3" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Mission_PDS3

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Mission PDS3 class describes an activity involved in the collection of data. This class captures the PDS3 catalog Mission information.
Diagram	
Used by	Element pds:Product_Mission_PDS3/pds:Mission_PDS3
Model	pds:mission_name , pds:mission_desc , pds:mission_objectives_summary , pds:mission_start_date , pds:mission_stop_date
Children	pds:mission_desc, pds:mission_name, pds:mission_objectives_summary, pds:mission_start_date, pds:mission_stop_date
Source	<pre> <xs:complexType name="Mission_PDS3"> <xs:annotation> <xs:documentation>The Mission PDS3 class describes an activity involved in the collection of data. This class captures the PDS3 catalog Mission information.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="mission_name" type="pds:mission_name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="mission_desc" type="pds:mission_desc" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="mission_objectives_summary" type="pds:mission_objectives_summary" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="mission_start_date" type="pds:mission_start_date" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="mission_stop_date" type="pds:mission_stop_date" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

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</xs:sequence>
</xs:complexType>
```

Complex Type pds:Product_Native

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	Product_Native is used to describe digital objects in the original format returned by the spacecraft or experimental system when that format cannot be described using one of the PDS4 formats specified for observational data (tables or arrays, excluding Array_1D).
Diagram	<p>The diagram illustrates the structure of the <code>pds:Product_Native</code> complex type. It is an extension of the <code>pds:Product</code> type. The <code>pds:Product_Native</code> type contains the following elements: <ul style="list-style-type: none"> <code>Identification_Area</code>: A single instance (1..1). <code>Context_Area</code>: A sequence of zero or one instances (0..1). <code>Reference_List</code>: A sequence of zero or one instances (0..1). <code>File_Area_Native</code>: A sequence of one or more instances (1..∞). </p>
Type	extension of pds:Product
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_Native
Used by	Element pds:Product_Native
Model	pds:Identification_Area , pds:Context_Area{0,1} , pds:Reference_List{0,1} , pds:File_Area_Native+
Children	pds:Context_Area, pds:File_Area_Native, pds:Identification_Area, pds:Reference_List
Source	<pre><xs:complexType name="Product_Native"> <xs:annotation> <xs:documentation>Product_Native is used to describe digital objects in the original format returned by the spacecraft or experimental system when that format cannot be described using one of the PDS4 formats specified for observational data (tables or arrays, excluding Array_1D).</ xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Product"> <xs:sequence> <xs:element name="Context_Area" type="pds:Context_Area" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="File_Area_Native" type="pds:File_Area_Native" minOccurs="1" maxOccurs="unbounded"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType></pre>

Complex Type pds:File_Area_Native

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The File Area Native describes tagged_data_objects collected from an instrument.
Diagram	<p>The diagram illustrates the structure of the <code>pds:File_Area_Native</code> complex type. It is an extension of the <code>pds:File_Area</code> type. The <code>pds:File_Area_Native</code> type contains the following elements: <ul style="list-style-type: none"> <code>File</code>: A single instance (1..1). <code>Encoded_Native</code>: A sequence of one or more instances (1..∞). </p>
Type	extension of pds:File_Area

Type hierarchy	<ul style="list-style-type: none"> • pds:File_Area • pds:File_Area_Native
Used by	Element pds:Product_Native/pds:File_Area_Native
Model	pds:File , (pds:Encoded_Native)
Children	pds:Encoded_Native, pds:File
Source	<pre> <xs:complexType name="File_Area_Native"> <xs:annotation> <xs:documentation>The File Area Native describes tagged_data_objects collected from an instrument.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:File_Area"> <xs:sequence> <xs:element name="File" type="pds:File" minOccurs="1" maxOccurs="1"> </xs:element> <xs:choice minOccurs="1" maxOccurs="unbounded"> <xs:element name="Encoded_Native" type="pds:Encoded_Native"> </xs:element> </xs:choice> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Encoded_Native

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Encoded Native class describes a binary encoded byte stream. This class is used to describe data objects for Product_Native.
Diagram	
Type	restriction of pds:Encoded_Byte_Stream
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Encoded_Byte_Stream • pds:Encoded_Native
Used by	Element pds:File_Area_Native/pds:Encoded_Native

Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:encoding_standard_id , pds:description{0,1}
Children	pds:description, pds:encoding_standard_id, pds:local_identifier, pds:name, pds:object_length, pds:offset
Source	<pre> <xs:complexType name="Encoded_Native"> <xs:annotation> <xs:documentation>The Encoded Native class describes a binary encoded byte stream. This class is used to describe data objects for Product_Native.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:restriction base="pds:Encoded_Byte_Stream"> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="object_length" type="pds:object_length" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="encoding_standard_id" type="pds:encoding_standard_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Product_Observational

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	A Product_Observational is a set of one or more information objects produced by an observing system.
Diagram	<p>The diagram illustrates the structure of the <code>pds:Product_Observational</code> complex type. It is an extension of the <code>pds:Product</code> type. The <code>pds:Product</code> type is defined as a uniquely identified object managed by a registry/repository, consisting of one or more tagged information objects. The <code>pds:Product_Observational</code> type inherits from <code>pds:Product</code> and includes the following elements:</p> <ul style="list-style-type: none"> <code>pds:Identification_Area</code>: A required element (minOccurs="1", maxOccurs="1"). <code>pds:Observation_Area</code>: A required element (minOccurs="1", maxOccurs="1"). <code>pds:Reference_List</code>: An optional element (minOccurs="0", maxOccurs="1"). <code>pds:File_Area_Observational</code>: A required element (minOccurs="1", maxOccurs="unbounded"). <code>pds:File_Area_Observational_Supplemental</code>: An optional element (minOccurs="0", maxOccurs="unbounded").
Type	extension of pds:Product
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_Observational
Used by	Element pds:Product_Observational
Model	pds:Identification_Area , pds:Observation_Area , pds:Reference_List{0,1} , pds:File_Area_Observational+ , pds:File_Area_Observational_Supplemental*
Children	pds:File_Area_Observational, pds:File_Area_Observational_Supplemental, pds:Identification_Area, pds:Observation_Area, pds:Reference_List
Source	<pre> <xs:complexType name="Product_Observational"> <xs:annotation> <xs:documentation>A Product_Observational is a set of one or more information objects produced by an observing system.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Product"> <xs:sequence> <xs:element name="Observation_Area" type="pds:Observation_Area" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="File_Area_Observational" type="pds:File_Area_Observational" minOccurs="1" maxOccurs="unbounded"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

```

<xs:element name="File_Area_Observational_Supplemental"
type="pds:File_Area_Observational_Supplemental" minOccurs="0" maxOccurs="unbounded">
  </xs:element>
</xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>

```

Complex Type pds:Observation_Area

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The observation area consists of attributes that provide information about the circumstances under which the data were collected.
Diagram	<p>The diagram illustrates the relationship between <code>pds:Context_Area</code> (restriction base) and <code>pds:Observation_Area</code>. <code>pds:Context_Area</code> contains elements: <code>comment</code>, <code>Time_Coordinates</code>, <code>Primary_Result_Summary</code>, <code>Investigation_Area</code> (0..∞), <code>Observing_System</code> (0..∞), <code>Target_Identification</code> (0..∞), <code>Mission_Area</code>, and <code>Discipline_Area</code>. <code>pds:Observation_Area</code> is a restriction of <code>pds:Context_Area</code> with the following cardinalities: <code>comment</code> (0,1), <code>Time_Coordinates</code>, <code>Primary_Result_Summary</code> (0,1), <code>Investigation_Area</code> (1..∞), <code>Observing_System</code> (1..∞), <code>Target_Identification</code> (1..∞), <code>Mission_Area</code>, and <code>Discipline_Area</code>. Annotations describe the context area as providing context information for a product and the observation area as providing information about data collection circumstances.</p>
Type	restriction of pds:Context_Area
Type hierarchy	<ul style="list-style-type: none"> pds:Context_Area pds:Observation_Area
Used by	Element pds:Product_Observational/pds:Observation_Area
Model	pds:comment{0,1} , pds:Time_Coordinates , pds:Primary_Result_Summary{0,1} , pds:Investigation_Area+ , pds:Observing_System+ , pds:Target_Identification+ , pds:Mission_Area{0,1} , pds:Discipline_Area{0,1}
Children	pds:Discipline_Area, pds:Investigation_Area, pds:Mission_Area, pds:Observing_System, pds:Primary_Result_Summary, pds:Target_Identification, pds:Time_Coordinates, pds:comment
Source	<pre> <xs:complexType name="Observation_Area"> <xs:annotation> <xs:documentation>The observation area consists of attributes that provide information about the circumstances under which the data were collected.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:restriction base="pds:Context_Area"> <xs:sequence> <xs:element name="comment" type="pds:comment" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Time_Coordinates" type="pds:Time_Coordinates" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="Primary_Result_Summary" type="pds:Primary_Result_Summary" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>

```

<xs:element name="Investigation_Area" type="pds:Investigation_Area" minOccurs="1"
maxOccurs="unbounded">
</xs:element>
<xs:element name="Observing_System" type="pds:Observing_System" minOccurs="1"
maxOccurs="unbounded">
</xs:element>
<xs:element name="Target_Identification" type="pds:Target_Identification" minOccurs="1"
maxOccurs="unbounded">
</xs:element>
<xs:element name="Mission_Area" type="pds:Mission_Area" minOccurs="0" maxOccurs="1">
</xs:element>
<xs:element name="Discipline_Area" type="pds:Discipline_Area" minOccurs="0" maxOccurs="1">
</xs:element>
</xs:sequence>
</xs:restriction>
</xs:complexContent>
</xs:complexType>
    
```

Complex Type pds:File_Area_Observational

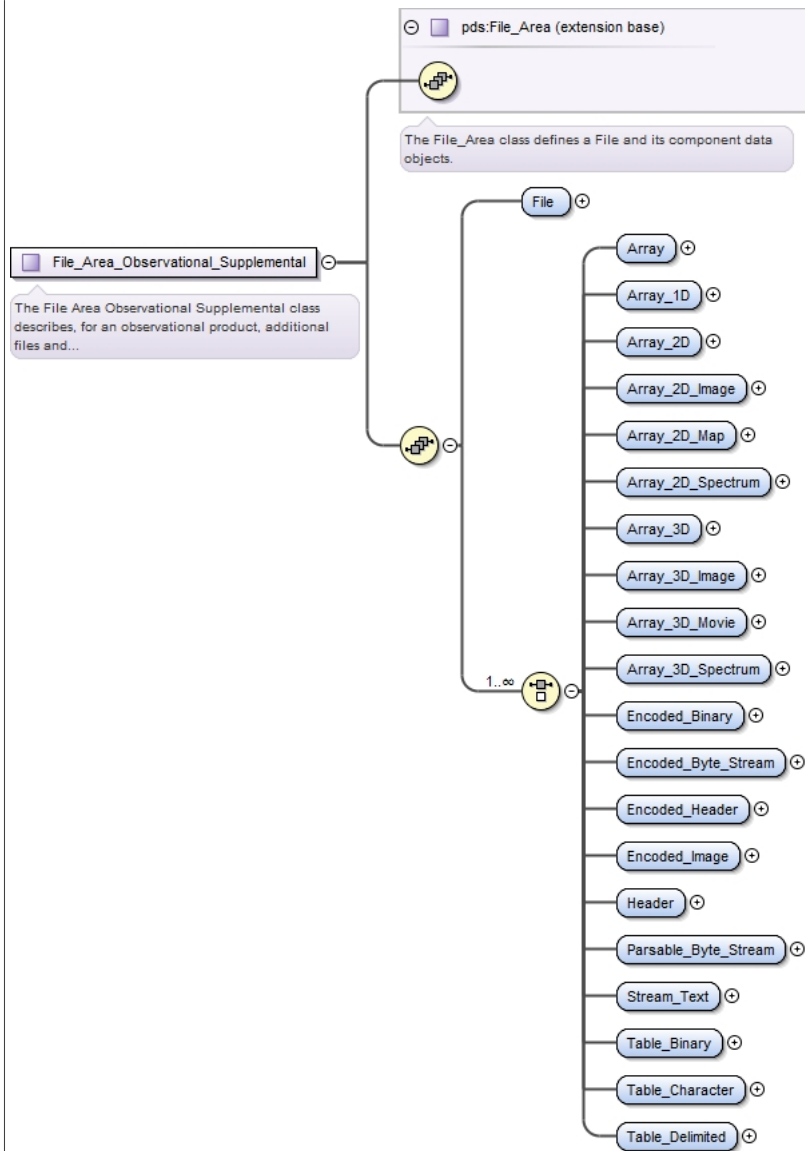
Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The File Area Observational class describes, for an observational product, a file and one or more tagged_data_objects contained within the file.
Diagram	<p>The diagram illustrates the structure of the <code>pds:File_Area_Observational</code> class. It is an extension of the <code>pds:File_Area</code> class (extension base). The <code>pds:File_Area</code> class defines a File and its component data objects. The <code>pds:File_Area_Observational</code> class inherits from <code>pds:File_Area</code> and adds a <code>File</code> attribute and a collection of <code>1..∞</code> data objects. The data objects include: <code>Array</code>, <code>Array_1D</code>, <code>Array_2D</code>, <code>Array_2D_Image</code>, <code>Array_2D_Map</code>, <code>Array_2D_Spectrum</code>, <code>Array_3D</code>, <code>Array_3D_Image</code>, <code>Array_3D_Movie</code>, <code>Array_3D_Spectrum</code>, <code>Encoded_Header</code>, <code>Header</code>, <code>Stream_Text</code>, <code>Table_Binary</code>, <code>Table_Character</code>, and <code>Table_Delimited</code>.</p>
Type	extension of pds:File_Area
Type hierarchy	<ul style="list-style-type: none"> pds:File_Area pds:File_Area_Observational
Used by	Element pds:Product_Observational/pds:File_Area_Observational
Model	pds:File , (pds:Array pds:Array_1D pds:Array_2D pds:Array_2D_Image pds:Array_2D_Map pds:Array_2D_Spectrum pds:Array_3D pds:Array_3D_Image pds:Array_3D_Movie pds:Array_3D_Spectrum pds:Encoded_Header pds:Header pds:Stream_Text pds:Table_Binary pds:Table_Character pds:Table_Delimited)

Children	pds:Array, pds:Array_1D, pds:Array_2D, pds:Array_2D_Image, pds:Array_2D_Map, pds:Array_2D_Spectrum, pds:Array_3D, pds:Array_3D_Image, pds:Array_3D_Movie, pds:Array_3D_Spectrum, pds:Encoded_Header, pds:File, pds:Header, pds:Stream_Text, pds:Table_Binary, pds:Table_Character, pds:Table_Delimited
Source	<pre> <xs:complexType name="File_Area_Observational"> <xs:annotation> <xs:documentation>The File Area Observational class describes, for an observational product, a file and one or more tagged_data_objects contained within the file.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:File_Area"> <xs:sequence> <xs:element name="File" type="pds:File" minOccurs="1" maxOccurs="1"> </xs:element> <xs:choice minOccurs="1" maxOccurs="unbounded"> <xs:element name="Array" type="pds:Array"> </xs:element> <xs:element name="Array_1D" type="pds:Array_1D"> </xs:element> <xs:element name="Array_2D" type="pds:Array_2D"> </xs:element> <xs:element name="Array_2D_Image" type="pds:Array_2D_Image"> </xs:element> <xs:element name="Array_2D_Map" type="pds:Array_2D_Map"> </xs:element> <xs:element name="Array_2D_Spectrum" type="pds:Array_2D_Spectrum"> </xs:element> <xs:element name="Array_3D" type="pds:Array_3D"> </xs:element> <xs:element name="Array_3D_Image" type="pds:Array_3D_Image"> </xs:element> <xs:element name="Array_3D_Movie" type="pds:Array_3D_Movie"> </xs:element> <xs:element name="Array_3D_Spectrum" type="pds:Array_3D_Spectrum"> </xs:element> <xs:element name="Encoded_Header" type="pds:Encoded_Header"> </xs:element> <xs:element name="Header" type="pds:Header"> </xs:element> <xs:element name="Stream_Text" type="pds:Stream_Text"> </xs:element> <xs:element name="Table_Binary" type="pds:Table_Binary"> </xs:element> <xs:element name="Table_Character" type="pds:Table_Character"> </xs:element> <xs:element name="Table_Delimited" type="pds:Table_Delimited"> </xs:element> </xs:choice> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:File_Area_Observational_Supplemental

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The File Area Observational Supplemental class describes, for an observational product, additional files and tagged_data_objects contained within the file.

Diagram



Type	extension of pds:File_Area
Type hierarchy	<ul style="list-style-type: none"> pds:File_Area pds:File_Area_Observational_Supplemental
Used by	Element pds:Product_Observational/pds:File_Area_Observational_Supplemental
Model	pds:File , (pds:Array pds:Array_1D pds:Array_2D pds:Array_2D_Image pds:Array_2D_Map pds:Array_2D_Spectrum pds:Array_3D pds:Array_3D_Image pds:Array_3D_Movie pds:Array_3D_Spectrum pds:Encoded_Binary pds:Encoded_Byte_Stream pds:Encoded_Header pds:Encoded_Image pds:Header pds:Parsable_Byte_Stream pds:Stream_Text pds:Table_Binary pds:Table_Character pds:Table_Delimited)
Children	pds:Array, pds:Array_1D, pds:Array_2D, pds:Array_2D_Image, pds:Array_2D_Map, pds:Array_2D_Spectrum, pds:Array_3D, pds:Array_3D_Image, pds:Array_3D_Movie, pds:Array_3D_Spectrum, pds:Encoded_Binary, pds:Encoded_Byte_Stream, pds:Encoded_Header, pds:Encoded_Image, pds:File, pds:Header, pds:Parsable_Byte_Stream, pds:Stream_Text, pds:Table_Binary, pds:Table_Character, pds:Table_Delimited
Source	<pre> <xs:complexType name="File_Area_Observational_Supplemental"> <xs:annotation> <xs:documentation>The File Area Observational Supplemental class describes, for an observational product, additional files and tagged_data_objects contained within the file.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:File_Area"> <xs:sequence> <xs:element name="File" type="pds:File" minOccurs="1" maxOccurs="1"> </xs:element> <xs:choice minOccurs="1" maxOccurs="unbounded"> <xs:element name="Array" type="pds:Array"> </pre>

```

</xs:element>
<xs:element name="Array_1D" type="pds:Array_1D">
</xs:element>
<xs:element name="Array_2D" type="pds:Array_2D">
</xs:element>
<xs:element name="Array_2D_Image" type="pds:Array_2D_Image">
</xs:element>
<xs:element name="Array_2D_Map" type="pds:Array_2D_Map">
</xs:element>
<xs:element name="Array_2D_Spectrum" type="pds:Array_2D_Spectrum">
</xs:element>
<xs:element name="Array_3D" type="pds:Array_3D">
</xs:element>
<xs:element name="Array_3D_Image" type="pds:Array_3D_Image">
</xs:element>
<xs:element name="Array_3D_Movie" type="pds:Array_3D_Movie">
</xs:element>
<xs:element name="Array_3D_Spectrum" type="pds:Array_3D_Spectrum">
</xs:element>
<xs:element name="Encoded_Binary" type="pds:Encoded_Binary">
</xs:element>
<xs:element name="Encoded_Byte_Stream" type="pds:Encoded_Byte_Stream">
</xs:element>
<xs:element name="Encoded_Header" type="pds:Encoded_Header">
</xs:element>
<xs:element name="Encoded_Image" type="pds:Encoded_Image">
</xs:element>
<xs:element name="Header" type="pds:Header">
</xs:element>
<xs:element name="Parsable_Byte_Stream" type="pds:Parsable_Byte_Stream">
</xs:element>
<xs:element name="Stream_Text" type="pds:Stream_Text">
</xs:element>
<xs:element name="Table_Binary" type="pds:Table_Binary">
</xs:element>
<xs:element name="Table_Character" type="pds:Table_Character">
</xs:element>
<xs:element name="Table_Delimited" type="pds:Table_Delimited">
</xs:element>
</xs:choice>
</xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>

```

Complex Type pds:Product_Proxy_PDS3

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Product Proxy PDS3 class defines a product with enough information to register a PDS3 data product.
Diagram	
Type	extension of pds:Product
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_Proxy_PDS3
Used by	Element pds:Product_Proxy_PDS3
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:File_Area_Binary+
Children	pds:File_Area_Binary, pds:Identification_Area, pds:Reference_List
Source	<pre> <xs:complexType name="Product_Proxy_PDS3"> <xs:annotation> <xs:documentation>The Product Proxy PDS3 class defines a product with enough information to register a PDS3 data product.</xs:documentation> </xs:annotation> <xs:complexContent> </pre>

```

<xs:extension base="pds:Product">
  <xs:sequence>
    <xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1">
    </xs:element>
    <xs:element name="File_Area_Binary" type="pds:File_Area_Binary" minOccurs="1"
maxOccurs="unbounded">
    </xs:element>
  </xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>

```

Complex Type pds:Product_SIP

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Product SIP class defines a product for the Submission Information Package.
Diagram	
Type	extension of pds:Product
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_SIP
Used by	Element pds:Product_SIP
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:Information_Package_Component+ , pds:Submission_Information_Package
Children	pds:Identification_Area, pds:Information_Package_Component, pds:Reference_List, pds:Submission_Information_Package
Source	<pre> <xs:complexType name="Product_SIP"> <xs:annotation> <xs:documentation>The Product SIP class defines a product for the Submission Information Package.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Product"> <xs:sequence> <xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Information_Package_Component" type="pds:Information_Package_Component" minOccurs="1" maxOccurs="unbounded"> </xs:element> <xs:element name="Submission_Information_Package" type="pds:Submission_Information_Package" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Submission_Information_Package

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Submission Information Package (SIP) class is an Information Package that is delivered by a Data Provider to an archive that conforms to the Open Archive Information System (OAIS) Reference Model for use in the construction of one or more AIPs.

Diagram	
Type	restriction of pds:Information_Package
Type hierarchy	<ul style="list-style-type: none"> • pds:Information_Package • pds:Submission_Information_Package
Used by	Element pds:Product_SIP/pds:Submission_Information_Package
Model	pds:description
Children	pds:description
Source	<pre> <xs:complexType name="Submission_Information_Package"> <xs:annotation> <xs:documentation>The Submission Information Package (SIP) class is an Information Package that is delivered by a Data Provider to an archive that conforms to the Open Archive Information System (OAIS) Reference Model for use in the construction of one or more AIPs.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:restriction base="pds:Information_Package"> <xs:sequence> <xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Product_SIP_Deep_Archive

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Product SIP Deep Archive class defines a Submission Information Package (SIP) for the NASA planetary science deep archive.
Diagram	
Type	extension of pds:Product
Type hierarchy	<ul style="list-style-type: none"> • pds:Product • pds:Product_SIP_Deep_Archive
Used by	Element pds:Product_SIP_Deep_Archive
Model	pds:Identification_Area , pds:Information_Package_Component_Deep_Archive , pds:SIP_Deep_Archive , pds:Reference_List{0,1}
Children	pds:Identification_Area, pds:Information_Package_Component_Deep_Archive, pds:Reference_List, pds:SIP_Deep_Archive
Source	<pre> <xs:complexType name="Product_SIP_Deep_Archive"> <xs:annotation> <xs:documentation>The Product SIP Deep Archive class defines a Submission Information Package (SIP) for the NASA planetary science deep archive.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Product"> <xs:sequence> <xs:element name="Information_Package_Component_Deep_Archive" type="pds:Information_Package_Component_Deep_Archive" minOccurs="1" maxOccurs="1"> </pre>

```

</xs:element>
<xs:element name="SIP_Deep_Archive" type="pds:SIP_Deep_Archive" minOccurs="1" maxOccurs="1">
</xs:element>
<xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1">
</xs:element>
</xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>
    
```

Complex Type pds:Information_Package_Component_Deep_Archive

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Information Package Component Deep Archive class is an Information Package Component for the NASA planetary science deep archive.
Diagram	
Used by	Element pds:Product_SIP_Deep_Archive/pds:Information_Package_Component_Deep_Archive
Model	pds:manifest_checksum , pds:checksum_type , pds:manifest_url , pds:File_Area_SIP_Deep_Archive , pds:Internal_Reference
Children	pds:File_Area_SIP_Deep_Archive, pds:Internal_Reference, pds:checksum_type, pds:manifest_checksum, pds:manifest_url
Source	<pre> <xs:complexType name="Information_Package_Component_Deep_Archive"> <xs:annotation> <xs:documentation>The Information Package Component Deep Archive class is an Information Package Component for the NASA planetary science deep archive.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="manifest_checksum" type="pds:manifest_checksum" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="checksum_type" type="pds:checksum_type" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="manifest_url" type="pds:manifest_url" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="File_Area_SIP_Deep_Archive" type="pds:File_Area_SIP_Deep_Archive" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="Internal_Reference" type="pds:Internal_Reference" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:File_Area_SIP_Deep_Archive

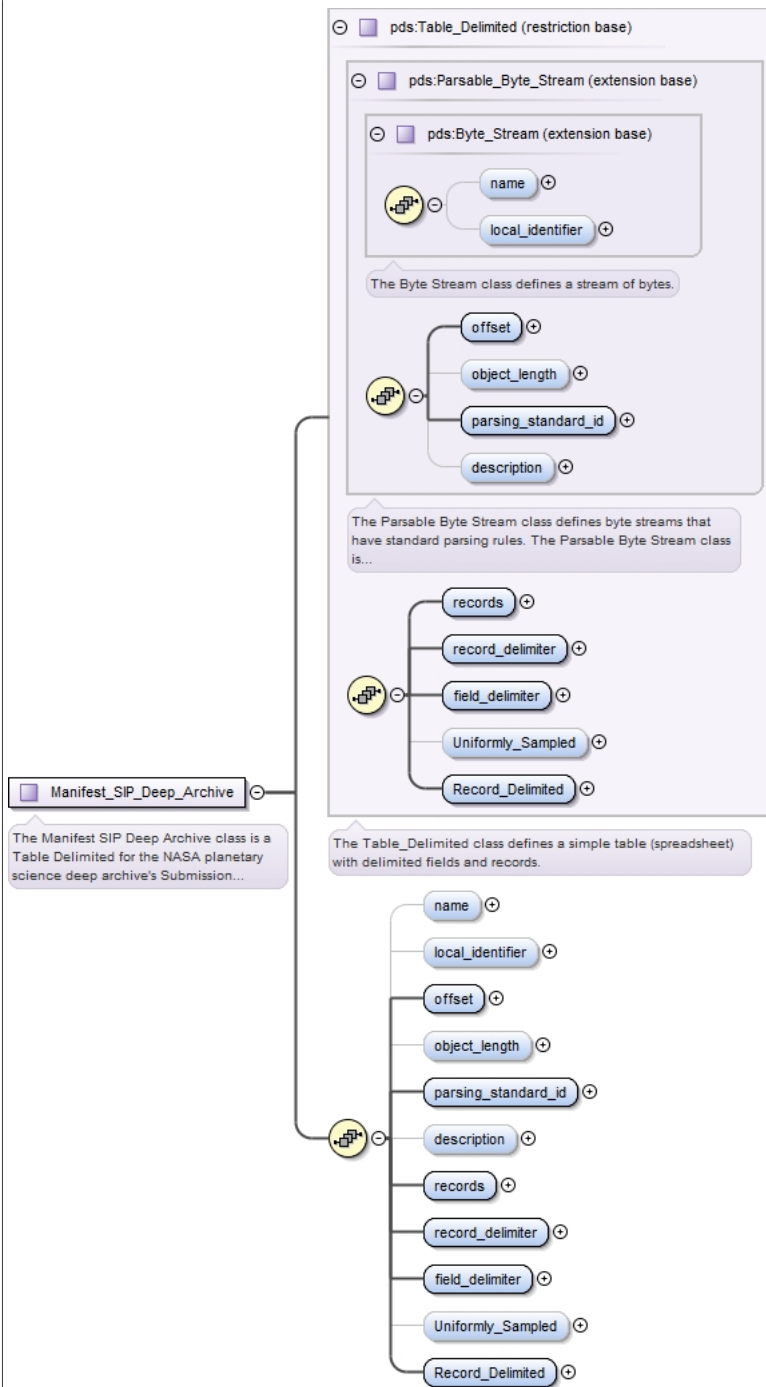
Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The File Area SIP Deep Archive class describes the File Area for the Submission Information Package (SIP) for the NASA planetary science deep archive.
Diagram	
Type	extension of pds:File_Area
Type hierarchy	<ul style="list-style-type: none"> pds:File_Area pds:File_Area_SIP_Deep_Archive
Used by	Element pds:Information_Package_Component_Deep_Archive/pds:File_Area_SIP_Deep_Archive

Model	pds:File , pds:Manifest_SIP_Deep_Archive
Children	pds:File, pds:Manifest_SIP_Deep_Archive
Source	<pre> <xs:complexType name="File_Area_SIP_Deep_Archive"> <xs:annotation> <xs:documentation>The File Area SIP Deep Archive class describes the File Area for the Submission Information Package (SIP) for the NASA planetary science deep archive.</ xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:File_Area"> <xs:sequence> <xs:element name="File" type="pds:File" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="Manifest_SIP_Deep_Archive" type="pds:Manifest_SIP_Deep_Archive" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Manifest_SIP_Deep_Archive

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Manifest SIP Deep Archive class is a Table Delimited for the NASA planetary science deep archive's Submission Information Package (SIP).

Diagram



Type restriction of pds:Table_Delimited

- Type hierarchy
- pds:Byte_Stream
 - pds:Parsable_Byte_Stream
 - pds:Table_Delimited
 - pds:Manifest_SIP_Deep_Archive

Used by Element pds:File_Area_SIP_Deep_Archive/pds:Manifest_SIP_Deep_Archive

Model pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:parsing_standard_id , pds:description{0,1} , pds:records , pds:record_delimiter , pds:field_delimiter , pds:Uniformly_Sampled{0,1} , pds:Record_Delimited

Children pds:Record_Delimited, pds:Uniformly_Sampled, pds:description, pds:field_delimiter, pds:local_identifier, pds:name, pds:object_length, pds:offset, pds:parsing_standard_id, pds:record_delimiter, pds:records

Source <xs:complexType name="Manifest_SIP_Deep_Archive">
<xs:annotation>

```

<xs:documentation>The Manifest SIP Deep Archive class is a Table Delimited for the NASA
planetary science deep archive's Submission Information Package (SIP).</xs:documentation>
</xs:annotation>
<xs:complexContent>
  <xs:restriction base="pds:Table_Delimited">
    <xs:sequence>
      <xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1">
      </xs:element>
      <xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1">
      </xs:element>
      <xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1">
      </xs:element>
      <xs:element name="object_length" type="pds:object_length" minOccurs="0" maxOccurs="1">
      </xs:element>
      <xs:element name="parsing_standard_id" type="pds:parsing_standard_id" minOccurs="1"
maxOccurs="1">
      </xs:element>
      <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1">
      </xs:element>
      <xs:element name="records" type="pds:records" minOccurs="1" maxOccurs="1">
      </xs:element>
      <xs:element name="record_delimiter" type="pds:record_delimiter" minOccurs="1" maxOccurs="1">
      </xs:element>
      <xs:element name="field_delimiter" type="pds:field_delimiter" minOccurs="1" maxOccurs="1">
      </xs:element>
      <xs:element name="Uniformly_Sampled" type="pds:Uniformly_Sampled" minOccurs="0"
maxOccurs="1">
      </xs:element>
      <xs:element name="Record_Delimited" type="pds:Record_Delimited" minOccurs="1" maxOccurs="1">
      </xs:element>
    </xs:sequence>
  </xs:restriction>
</xs:complexContent>
</xs:complexType>

```

Complex Type pds:SIP_Deep_Archive

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The SIP Deep Archive class is a Submission Information Package (SIP) for the NASA planetary science deep archive.
Diagram	
Type	extension of pds:Information_Package
Type hierarchy	<ul style="list-style-type: none"> pds:Information_Package pds:SIP_Deep_Archive
Used by	Element pds:Product_SIP_Deep_Archive/pds:SIP_Deep_Archive
Model	pds:description , pds:provider_site_id
Children	pds:description, pds:provider_site_id
Source	<pre> <xs:complexType name="SIP_Deep_Archive"> <xs:annotation> <xs:documentation>The SIP Deep Archive class is a Submission Information Package (SIP) for the NASA planetary science deep archive.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Information_Package"> <xs:sequence> <xs:element name="provider_site_id" type="pds:provider_site_id" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Product_SPICE_Kernel

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Product SPICE Kernel class defines a SPICE kernel product.
Diagram	
Type	extension of pds:Product
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_SPICE_Kernel
Used by	Element pds:Product_SPICE_Kernel
Model	pds:Identification_Area , pds:Context_Area , pds:Reference_List{0,1} , pds:File_Area_SPICE_Kernel
Children	pds:Context_Area, pds:File_Area_SPICE_Kernel, pds:Identification_Area, pds:Reference_List
Source	<pre> <xs:complexType name="Product_SPICE_Kernel"> <xs:annotation> <xs:documentation>The Product SPICE Kernel class defines a SPICE kernel product.</ </xs:annotation> <xs:complexContent> <xs:extension base="pds:Product"> <xs:sequence> <xs:element name="Context_Area" type="pds:Context_Area" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="File_Area_SPICE_Kernel" type="pds:File_Area_SPICE_Kernel" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:File_Area_SPICE_Kernel

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The File Area SPICE Kernel class describes a file that contains a SPICE Kernel object.
Diagram	
Type	extension of pds:File_Area
Type hierarchy	<ul style="list-style-type: none"> pds:File_Area pds:File_Area_SPICE_Kernel
Used by	Element pds:Product_SPICE_Kernel/pds:File_Area_SPICE_Kernel
Model	pds:File , pds:SPICE_Kernel
Children	pds:File, pds:SPICE_Kernel

Source	<pre> <xs:complexType name="File_Area_SPICE_Kernel"> <xs:annotation> <xs:documentation>The File Area SPICE Kernel class describes a file that contains a SPICE Kernel object.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:File_Area"> <xs:sequence> <xs:element name="File" type="pds:File" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="SPICE_Kernel" type="pds:SPICE_Kernel" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>
--------	--

Complex Type pds:SPICE_Kernel

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The SPICE Kernel class describes a SPICE object.
Diagram	<pre> classDiagram class pds_Parsable_Byte_Stream["pds:Parsable_Byte_Stream (extension base)"] { name local_identifier } class pds_Byte_Stream["pds:Byte_Stream (extension base)"] { offset object_length parsing_standard_id description } class pds_SPICE_Kernel["pds:SPICE_Kernel"] { kernel_type encoding_type } pds_Parsable_Byte_Stream < -- pds_Byte_Stream pds_Byte_Stream < -- pds_SPICE_Kernel </pre> <p>The Byte Stream class defines a stream of bytes.</p> <p>The SPICE Kernel class describes a SPICE object.</p> <p>The Parsable Byte Stream class defines byte streams that have standard parsing rules. The Parsable Byte Stream class is...</p>
Type	extension of pds:Parsable_Byte_Stream
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Parsable_Byte_Stream • pds:SPICE_Kernel
Used by	Element pds:File_Area_SPICE_Kernel/pds:SPICE_Kernel
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:parsing_standard_id , pds:description{0,1} , pds:kernel_type , pds:encoding_type
Children	pds:description, pds:encoding_type, pds:kernel_type, pds:local_identifier, pds:name, pds:object_length, pds:offset, pds:parsing_standard_id
Source	<pre> <xs:complexType name="SPICE_Kernel"> <xs:annotation> <xs:documentation>The SPICE Kernel class describes a SPICE object.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Parsable_Byte_Stream"> <xs:sequence> <xs:element name="kernel_type" type="pds:kernel_type" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="encoding_type" type="pds:encoding_type" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Product_Service

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Product Service class defines a product for registering services. Service descriptions from this product are used to register services as intrinsic registry objects.
Diagram	
Type	extension of pds:Product
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_Service
Used by	Element pds:Product_Service
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:File_Area_Service_Description*
Children	pds:File_Area_Service_Description, pds:Identification_Area, pds:Reference_List
Source	<pre> <xs:complexType name="Product_Service"> <xs:annotation> <xs:documentation>The Product Service class defines a product for registering services. Service descriptions from this product are used to register services as intrinsic registry objects.</ </xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Product"> <xs:sequence> <xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="File_Area_Service_Description" type="pds:File_Area_Service_Description" minOccurs="0" maxOccurs="unbounded"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:File_Area_Service_Description

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The File Area Service Description class describes a file that contains a service description.
Diagram	
Type	extension of pds:File_Area
Type hierarchy	<ul style="list-style-type: none"> pds:File_Area pds:File_Area_Service_Description
Used by	Element pds:Product_Service/pds:File_Area_Service_Description
Model	pds:File , pds:Service_Description+
Children	pds:File, pds:Service_Description

Source	<pre> <xs:complexType name="File_Area_Service_Description"> <xs:annotation> <xs:documentation>The File Area Service Description class describes a file that contains a service description.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:File_Area"> <xs:sequence> <xs:element name="File" type="pds:File" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="Service_Description" type="pds:Service_Description" minOccurs="1" maxOccurs="unbounded"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>
--------	--

Complex Type pds:Service_Description

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Service Description class defines a file that contains a standardized service specification.
Diagram	
Type	restriction of pds:Parsable_Byte_Stream
Type hierarchy	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Parsable_Byte_Stream • pds:Service_Description
Used by	Element pds:File_Area_Service_Description/pds:Service_Description
Model	pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:parsing_standard_id , pds:description{0,1}
Children	pds:description, pds:local_identifier, pds:name, pds:object_length, pds:offset, pds:parsing_standard_id
Source	<pre> <xs:complexType name="Service_Description"> <xs:annotation> <xs:documentation>The Service Description class defines a file that contains a standardized service specification.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:restriction base="pds:Parsable_Byte_Stream"> </pre>

```

<xs:sequence>
  <xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1">
  </xs:element>
  <xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1">
  </xs:element>
  <xs:element name="offset" type="pds:offset" minOccurs="1" maxOccurs="1">
  </xs:element>
  <xs:element name="object_length" type="pds:object_length" minOccurs="0" maxOccurs="1">
  </xs:element>
  <xs:element name="parsing_standard_id" type="pds:parsing_standard_id" minOccurs="1"
maxOccurs="1">
  </xs:element>
  <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1">
  </xs:element>
</xs:sequence>
</xs:restriction>
</xs:complexContent>
</xs:complexType>

```

Complex Type pds:Product_Software

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	Product Software is a product consisting of a set of one or more software formats.
Diagram	<p>The diagram illustrates the structure of the <code>pds:Product_Software</code> complex type. It is an extension of the <code>pds:Product</code> type. The <code>pds:Product_Software</code> type contains the following elements:</p> <ul style="list-style-type: none"> <code>Identification_Area</code>: 1 occurrence, required. <code>Reference_List</code>: 0 to 1 occurrence, optional. <code>Software</code>: 1 occurrence, required. <code>Software_Binary</code>: 0 to ∞ occurrences, optional. <code>Software_Script</code>: 0 to ∞ occurrences, optional. <code>Software_Source</code>: 0 to ∞ occurrences, optional. <p>A note for <code>pds:Product</code> states: "A Product is a uniquely identified object that is managed by a registry/repository. It consists of one or more tagged..."</p> <p>A note for <code>Product_Software</code> states: "Product Software is a product consisting of a set of one or more software formats."</p>
Type	extension of pds:Product
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_Software
Used by	Element pds:Product_Software
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:Software , pds:Software_Binary* , pds:Software_Script* , pds:Software_Source*
Children	pds:Identification_Area, pds:Reference_List, pds:Software, pds:Software_Binary, pds:Software_Script, pds:Software_Source
Source	<pre> <xs:complexType name="Product_Software"> <xs:annotation> <xs:documentation>Product Software is a product consisting of a set of one or more software formats.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Product"> <xs:sequence> <xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Software" type="pds:Software" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="Software_Binary" type="pds:Software_Binary" minOccurs="0" maxOccurs="unbounded"> </xs:element> <xs:element name="Software_Script" type="pds:Software_Script" minOccurs="0" maxOccurs="unbounded"> </xs:element> <xs:element name="Software_Source" type="pds:Software_Source" minOccurs="0" maxOccurs="unbounded"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Software

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Software class describes a software product
Diagram	
Used by	Element pds:Product_Software/pds:Software
Model	pds:name , pds:software_version_id , pds:version_id{0,1} , pds:author_list{0,1} , pds:programmers_manual_id , pds:software_id , pds:software_type , pds:users_manual_id , pds:description
Children	pds:author_list , pds:description , pds:name , pds:programmers_manual_id , pds:software_id , pds:software_type , pds:software_version_id , pds:users_manual_id , pds:version_id
Source	<pre> <xs:complexType name="Software"> <xs:annotation> <xs:documentation>The Software class describes a software product</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="software_version_id" type="pds:software_version_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="version_id" type="pds:version_id" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="author_list" type="pds:author_list" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="programmers_manual_id" type="pds:programmers_manual_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="software_id" type="pds:software_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="software_type" type="pds:software_type" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="users_manual_id" type="pds:users_manual_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Software_Binary

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Software Script class provides a description of a software code that is stored as a compiled binary file.

<p>Diagram</p>	
<p>Used by</p>	<p>Element <code>pds:Product_Software/pds:Software_Binary</code></p>
<p>Model</p>	<p><code>pds:files</code> , <code>pds:os_version+</code> , <code>pds:program_notes_id</code> , <code>pds:software_format_type</code> , <code>pds:supported_architecture_note+</code> , <code>pds:supported_operating_system_note+</code> , <code>pds:system_requirements_note</code></p>
<p>Children</p>	<p><code>pds:files</code> , <code>pds:os_version</code> , <code>pds:program_notes_id</code> , <code>pds:software_format_type</code> , <code>pds:supported_architecture_note</code> , <code>pds:supported_operating_system_note</code> , <code>pds:system_requirements_note</code></p>
<p>Source</p>	<pre> <xs:complexType name="Software_Binary"> <xs:annotation> <xs:documentation>The Software Script class provides a description of a software code that is stored as a compiled binary file.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="files" type="pds:files" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="os_version" type="pds:os_version" minOccurs="1" maxOccurs="unbounded"> </xs:element> <xs:element name="program_notes_id" type="pds:program_notes_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="software_format_type" type="pds:software_format_type" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="supported_architecture_note" type="pds:supported_architecture_note" minOccurs="1" maxOccurs="unbounded"> </xs:element> <xs:element name="supported_operating_system_note" type="pds:supported_operating_system_note" minOccurs="1" maxOccurs="unbounded"> </xs:element> <xs:element name="system_requirements_note" type="pds:system_requirements_note" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type `pds:Software_Script`

<p>Namespace</p>	<p><code>http://pds.nasa.gov/pds4/pds/v1</code></p>
<p>Annotations</p>	<p>The Software Script class provides a description of a software code that is stored as a script.</p>
<p>Diagram</p>	
<p>Used by</p>	<p>Element <code>pds:Product_Software/pds:Software_Script</code></p>
<p>Model</p>	<p><code>pds:files</code> , <code>pds:install_note</code> , <code>pds:supported_environment_note</code> , <code>pds:system_requirements_note</code></p>
<p>Children</p>	<p><code>pds:files</code> , <code>pds:install_note</code> , <code>pds:supported_environment_note</code> , <code>pds:system_requirements_note</code></p>
<p>Source</p>	<pre> <xs:complexType name="Software_Script"> <xs:annotation> <xs:documentation>The Software Script class provides a description of a software code that is stored as a script.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="files" type="pds:files" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="install_note" type="pds:install_note" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

```

<xs:element name="supported_environment_note" type="pds:supported_environment_note"
minOccurs="1" maxOccurs="1">
</xs:element>
<xs:element name="system_requirements_note" type="pds:system_requirements_note" minOccurs="1"
maxOccurs="1">
</xs:element>
</xs:sequence>
</xs:complexType>
    
```

Complex Type pds:Software_Source

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Software Script class provides a description of a software code that is stored as source code.
Diagram	
Used by	Element pds:Product_Software/pds:Software_Source
Model	pds:compile_note , pds:files , pds:os_version , pds:program_notes_id , pds:software_dialect , pds:software_format_type , pds:software_language , pds:supported_architecture_note+, pds:supported_operating_system_note+ , pds:system_requirements_note
Children	pds:compile_note, pds:files, pds:os_version, pds:program_notes_id, pds:software_dialect, pds:software_format_type, pds:software_language, pds:supported_architecture_note, pds:supported_operating_system_note, pds:system_requirements_note
Source	<pre> <xs:complexType name="Software_Source"> <xs:annotation> <xs:documentation>The Software Script class provides a description of a software code that is stored as source code.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="compile_note" type="pds:compile_note" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="files" type="pds:files" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="os_version" type="pds:os_version" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="program_notes_id" type="pds:program_notes_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="software_dialect" type="pds:software_dialect" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="software_format_type" type="pds:software_format_type" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="software_language" type="pds:software_language" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="supported_architecture_note" type="pds:supported_architecture_note" minOccurs="1" maxOccurs="unbounded"> </xs:element> <xs:element name="supported_operating_system_note" type="pds:supported_operating_system_note" minOccurs="1" maxOccurs="unbounded"> </xs:element> <xs:element name="system_requirements_note" type="pds:system_requirements_note" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Product_Subscription_PDS3

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Product_Subscription_PDS3 class provides the list of subscriptions for a PDS3 subscriber.
Diagram	
Type	extension of pds:Product
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_Subscription_PDS3
Used by	Element pds:Product_Subscription_PDS3
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:Subscriber_PDS3
Children	pds:Identification_Area, pds:Reference_List, pds:Subscriber_PDS3
Source	<pre> <xs:complexType name="Product_Subscription_PDS3"> <xs:annotation> <xs:documentation>The Product_Subscription_PDS3 class provides the list of subscriptions for a PDS3 subscriber.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Product"> <xs:sequence> <xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Subscriber_PDS3" type="pds:Subscriber_PDS3" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Subscriber_PDS3

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Subscriber PDS3 class provides the name of the subscriber and their subscription list.
Diagram	
Used by	Element pds:Product_Subscription_PDS3/pds:Subscriber_PDS3
Model	pds:full_name , pds:local_identifier{0,1} , pds:subscription_id+
Children	pds:full_name, pds:local_identifier, pds:subscription_id
Source	<pre> <xs:complexType name="Subscriber_PDS3"> <xs:annotation> <xs:documentation>The Subscriber PDS3 class provides the name of the subscriber and their subscription list.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="full_name" type="pds:full_name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="subscription_id" type="pds:subscription_id" minOccurs="1" maxOccurs="unbounded"> </xs:element> </xs:sequence> </xs:complexType> </pre>

```

</xs:element>
</xs:sequence>
</xs:complexType>
    
```

Complex Type pds:Product_Target_PDS3

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	A target product describes a target. This product captures a reduced set of the PDS3 catalog target information.
Diagram	
Type	extension of pds:Product
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_Target_PDS3
Used by	Element pds:Product_Target_PDS3
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:Target_PDS3
Children	pds:Identification_Area, pds:Reference_List, pds:Target_PDS3
Source	<pre> <xs:complexType name="Product_Target_PDS3"> <xs:annotation> <xs:documentation>A target product describes a target. This product captures a reduced set of the PDS3 catalog target information.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Product"> <xs:sequence> <xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Target_PDS3" type="pds:Target_PDS3" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Target_PDS3

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Target class provides a description of a physical object that is the object of data collection. This class captures the PDS3 catalog Target information.
Diagram	
Used by	Element pds:Product_Target_PDS3/pds:Target_PDS3
Model	pds:target_name , pds:orbit_direction* , pds:primary_body_name , pds:rotation_direction{0,1} , pds:target_desc , pds:target_type
Children	pds:orbit_direction, pds:primary_body_name, pds:rotation_direction, pds:target_desc, pds:target_name, pds:target_type
Source	<pre> <xs:complexType name="Target_PDS3"> </pre>

	<pre> <xs:annotation> <xs:documentation>The Target class provides a description of a physical object that is the object of data collection. This class captures the PDS3 catalog Target information.</ xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="target_name" type="pds:target_name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="orbit_direction" type="pds:orbit_direction" minOccurs="0" maxOccurs="unbounded"> </xs:element> <xs:element name="primary_body_name" type="pds:primary_body_name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="rotation_direction" type="pds:rotation_direction" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="target_desc" type="pds:target_desc" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="target_type" type="pds:target_type" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>
--	---

Complex Type pds:Product_Thumbnail

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Product Thumbnail class defines a product consisting of one encoded byte stream digital object.
Diagram	
Type	extension of pds:Product
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_Thumbnail
Used by	Element pds:Product_Thumbnail
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:File_Area_Encoded_Image
Children	pds:File_Area_Encoded_Image, pds:Identification_Area, pds:Reference_List
Source	<pre> <xs:complexType name="Product_Thumbnail"> <xs:annotation> <xs:documentation>The Product Thumbnail class defines a product consisting of one encoded byte stream digital object.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Product"> <xs:sequence> <xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="File_Area_Encoded_Image" type="pds:File_Area_Encoded_Image" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:File_Area_Encoded_Image

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The File Area Encoded Image class describes a file that contains an Encoded Image object.

Diagram	<p>The File Area Encoded Image class describes a file that contains an Encoded Image object.</p> <p>The File Area class defines a File and its component data objects.</p>
Type	extension of pds:File_Area
Type hierarchy	<ul style="list-style-type: none"> pds:File_Area pds:File_Area_Encoded_Image
Used by	Element pds:Product_Thumbnail/pds:File_Area_Encoded_Image
Model	pds:File , pds:Encoded_Image
Children	pds:Encoded_Image, pds:File
Source	<pre><xs:complexType name="File_Area_Encoded_Image"> <xs:annotation> <xs:documentation>The File Area Encoded Image class describes a file that contains an Encoded Image object.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:File_Area"> <xs:sequence> <xs:element name="File" type="pds:File" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="Encoded_Image" type="pds:Encoded_Image" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType></pre>

Complex Type pds:Product_Update

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Product Update class defines a product consisting of update information and optional references to other products.
Diagram	<p>The Product Update class defines a product consisting of update information and optional references to other products.</p> <p>A Product is a uniquely identified object that is managed by a registry/repository. It consists of one or more tagged...</p>
Type	extension of pds:Product
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_Update
Used by	Element pds:Product_Update
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:Update
Children	pds:Identification_Area, pds:Reference_List, pds:Update
Source	<pre><xs:complexType name="Product_Update"> <xs:annotation> <xs:documentation>The Product Update class defines a product consisting of update information and optional references to other products.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Product"> <xs:sequence> <xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType></pre>

```

        </xs:element>
        <xs:element name="Update" type="pds:Update" minOccurs="1" maxOccurs="1">
        </xs:element>
    </xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>
    
```

Complex Type pds:Update

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Update class consists of update information.
Diagram	
Used by	Element pds:Product_Update/pds:Update
Model	pds:local_identifier{0,1} , pds:description{0,1} , pds:Update_Entry+
Children	pds:Update_Entry, pds:description, pds:local_identifier
Source	<pre> <xs:complexType name="Update"> <xs:annotation> <xs:documentation>The Update class consists of update information.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Update_Entry" type="pds:Update_Entry" minOccurs="1" maxOccurs="unbounded"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Update_Entry

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Update Entry class provides the date and description of an update.
Diagram	
Used by	Element pds:Update/pds:Update_Entry
Model	pds:date_time , pds:full_name , pds:description , pds:Internal_Reference{0,1}
Children	pds:Internal_Reference, pds:date_time, pds:description, pds:full_name
Source	<pre> <xs:complexType name="Update_Entry"> <xs:annotation> <xs:documentation>The Update Entry class provides the date and description of an update.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="date_time" type="pds:date_time" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="full_name" type="pds:full_name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="Internal_Reference" type="pds:Internal_Reference" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Product_Volume_PDS3

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	A Product Volume PDS3 product captures the PDS3 volume information.
Diagram	
Type	extension of pds:Product
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_Volume_PDS3
Used by	Element pds:Product_Volume_PDS3
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:Volume_PDS3
Children	pds:Identification_Area, pds:Reference_List, pds:Volume_PDS3
Source	<pre> <xs:complexType name="Product_Volume_PDS3"> <xs:annotation> <xs:documentation>A Product Volume PDS3 product captures the PDS3 volume information.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Product"> <xs:sequence> <xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="Volume_PDS3" type="pds:Volume_PDS3" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Volume_PDS3

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Volume_PDS3 class is used to capture the volume information from the PDS3 Data Set Catalog.
Diagram	

Used by	Element pds:Product_Volume_PDS3/pds:Volume_PDS3
Model	pds:archive_status , pds:archive_status_note , pds:curating_node_id* , pds:medium_type , pds:publication_date , pds:volume_de_fullname , pds:volume_format , pds:volume_id , pds:volume_name , pds:volume_set_id , pds:volume_size , pds:volume_version_id , pds:description{0,1}
Children	pds:archive_status, pds:archive_status_note, pds:curating_node_id, pds:description, pds:medium_type, pds:publication_date, pds:volume_de_fullname, pds:volume_format, pds:volume_id, pds:volume_name, pds:volume_set_id, pds:volume_size, pds:volume_version_id
Source	<pre> <xs:complexType name="Volume_PDS3"> <xs:annotation> <xs:documentation>The Volume_PDS3 class is used to capture the volume information from the PDS3 Data Set Catalog.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="archive_status" type="pds:archive_status" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="archive_status_note" type="pds:archive_status_note" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="curating_node_id" type="pds:curating_node_id" minOccurs="0" maxOccurs="unbounded"> </xs:element> <xs:element name="medium_type" type="pds:medium_type" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="publication_date" nillable="true" type="pds:publication_date" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="volume_de_fullname" type="pds:volume_de_fullname" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="volume_format" type="pds:volume_format" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="volume_id" type="pds:volume_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="volume_name" type="pds:volume_name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="volume_set_id" type="pds:volume_set_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="volume_size" type="pds:volume_size" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="volume_version_id" type="pds:volume_version_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Product_Volume_Set_PDS3

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	A Product Volume Set PDS3 product captures the PDS3 volume set information.
Diagram	
Type	extension of pds:Product
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_Volume_Set_PDS3
Used by	Element pds:Product_Volume_Set_PDS3
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:Volume_Set_PDS3
Children	pds:Identification_Area, pds:Reference_List, pds:Volume_Set_PDS3
Source	<pre> <xs:complexType name="Product_Volume_Set_PDS3"> <xs:annotation> <xs:documentation>A Product Volume Set PDS3 product captures the PDS3 volume set information.</ xs:documentation> </pre>

```

</xs:annotation>
<xs:complexContent>
  <xs:extension base="pds:Product">
    <xs:sequence>
      <xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1">
      </xs:element>
      <xs:element name="Volume_Set_PDS3" type="pds:Volume_Set_PDS3" minOccurs="1" maxOccurs="1">
      </xs:element>
    </xs:sequence>
  </xs:extension>
</xs:complexContent>
</xs:complexType>

```

Complex Type pds:Volume_Set_PDS3

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Volume_Set_PDS3 class is used to capture the volume set information from the PDS3 Data Set Catalog.
Diagram	
Used by	Element pds:Product_Volume_Set_PDS3/pds:Volume_Set_PDS3
Model	pds:volume_series_name , pds:volume_set_id , pds:volume_set_name , pds:volumes , pds:description{0,1}
Children	pds:description, pds:volume_series_name, pds:volume_set_id, pds:volume_set_name, pds:volumes
Source	<pre> <xs:complexType name="Volume_Set_PDS3"> <xs:annotation> <xs:documentation>The Volume_Set_PDS3 class is used to capture the volume set information from the PDS3 Data Set Catalog.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="volume_series_name" type="pds:volume_series_name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="volume_set_id" type="pds:volume_set_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="volume_set_name" type="pds:volume_set_name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="volumes" type="pds:volumes" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Product_XML_Schema

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Product_XML_Schema describes a resource used for the PDS4 implementation into XML.
Diagram	
Type	extension of pds:Product
Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_XML_Schema

Used by	Element pds:Product_XML_Schema
Model	pds:Identification_Area , pds:Reference_List{0,1} , pds:File_Area_XML_Schema+
Children	pds:File_Area_XML_Schema, pds:Identification_Area, pds:Reference_List
Source	<pre><xs:complexType name="Product_XML_Schema"> <xs:annotation> <xs:documentation>The Product_XML_Schema describes a resource used for the PDS4 implementation into XML.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Product"> <xs:sequence> <xs:element name="Reference_List" type="pds:Reference_List" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="File_Area_XML_Schema" type="pds:File_Area_XML_Schema" minOccurs="1" maxOccurs="unbounded"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType></pre>

Complex Type pds:File_Area_XML_Schema

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The File Area XML Schema class describes a file that contains a resource used for the PDS4 implementation into XML.
Diagram	<pre> classDiagram class pds_File_Area["pds:File_Area (extension base)"] class File_Area_XML_Schema class File class XML_Schema pds_File_Area < -- File_Area_XML_Schema File_Area_XML_Schema -- File File_Area_XML_Schema -- XML_Schema </pre> <p>The File Area XML Schema class describes a file that contains a resource used for the PDS4 implementation into XML.</p> <p>The File Area class defines a File and its component data objects.</p>
Type	extension of pds:File_Area
Type hierarchy	<ul style="list-style-type: none"> pds:File_Area pds:File_Area_XML_Schema
Used by	Element pds:Product_XML_Schema/pds:File_Area_XML_Schema
Model	pds:File , pds:XML_Schema
Children	pds:File, pds:XML_Schema
Source	<pre><xs:complexType name="File_Area_XML_Schema"> <xs:annotation> <xs:documentation>The File Area XML Schema class describes a file that contains a resource used for the PDS4 implementation into XML.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:File_Area"> <xs:sequence> <xs:element name="File" type="pds:File" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="XML_Schema" type="pds:XML_Schema" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType></pre>

Complex Type pds:XML_Schema

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The XML Schema class defines a resource used for the PDS4 implementation into XML.

<p>Diagram</p>	
<p>Type</p>	<p>extension of pds:Parsable_Byte_Stream</p>
<p>Type hierarchy</p>	<ul style="list-style-type: none"> • pds:Byte_Stream • pds:Parsable_Byte_Stream • pds:XML_Schema
<p>Used by</p>	<p>Element pds:File_Area_XML_Schema/pds:XML_Schema</p>
<p>Model</p>	<p>pds:name{0,1} , pds:local_identifier{0,1} , pds:offset , pds:object_length{0,1} , pds:parsing_standard_id , pds:description{0,1} , pds:ldd_version_id{0,1}</p>
<p>Children</p>	<p>pds:description, pds:ldd_version_id, pds:local_identifier, pds:name, pds:object_length, pds:offset, pds:parsing_standard_id</p>
<p>Source</p>	<pre><xs:complexType name="XML_Schema" > <xs:annotation> <xs:documentation>The XML Schema class defines a resource used for the PDS4 implementation into XML.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Parsable_Byte_Stream"> <xs:sequence> <xs:element name="ldd_version_id" type="pds:ldd_version_id" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType></pre>

Complex Type pds:Product_Zipped

<p>Namespace</p>	<p>http://pds.nasa.gov/pds4/pds/v1</p>
<p>Annotations</p>	<p>The Product_Zipped is a product with references to other products. The referenced products and all associated products and files are packaged into a single ZIP file.</p>
<p>Diagram</p>	
<p>Type</p>	<p>extension of pds:Product</p>

Type hierarchy	<ul style="list-style-type: none"> pds:Product pds:Product_Zipped
Used by	Element pds:Product_Zipped
Model	pds:Identification_Area , pds:Internal_Reference+ , pds:Zip , pds:File
Children	pds:File, pds:Identification_Area, pds:Internal_Reference, pds:Zip
Source	<pre> <xs:complexType name="Product_Zipped"> <xs:annotation> <xs:documentation>The Product_Zipped is a product with references to other products. The referenced products and all associated products and files are packaged into a single ZIP file.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="pds:Product"> <xs:sequence> <xs:element name="Internal_Reference" type="pds:Internal_Reference" minOccurs="1" maxOccurs="unbounded"> </xs:element> <xs:element name="Zip" type="pds:Zip" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="File" type="pds:File" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

Complex Type pds:Zip

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Zip class describes a zip file.
Diagram	
Used by	Element pds:Product_Zipped/pds:Zip
Model	pds:container_type , pds:description
Children	pds:container_type, pds:description
Source	<pre> <xs:complexType name="Zip"> <xs:annotation> <xs:documentation>The Zip class describes a zip file.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="container_type" type="pds:container_type" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Geometry

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Geometry class groups geometry information.
Diagram	
Model	ANY element from ANY namespace OTHER than 'http://pds.nasa.gov/pds4/pds/v1'
Source	<pre> <xs:complexType name="Geometry"> <xs:annotation> <xs:documentation>The Geometry class groups geometry information.</xs:documentation> </xs:annotation> <xs:sequence> <!-- When creating a specific XML schema, remove the 'xs:any' element. You may insert any described nondigital object, one or more times. --> </pre>


```

<xs:any namespace="##other" processContents="strict" minOccurs="0" maxOccurs="unbounded"/>
<!-- <xs:element name="Any_NonDigital_Object" type="pds:Any_NonDigital_Object" minOccurs="0"
maxOccurs="unbounded"> </xs:element -->
</xs:sequence>
</xs:complexType>

```

Complex Type pds:Quaternion

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Quaternion class models a mathematical construct that consists of four individual numeric components. Quaternions are a convenient mechanism for encapsulating orientation information since they require only four units of numeric storage, as opposed to the nine needed for a rotation matrix.
Diagram	
Model	pds:name , pds:local_identifier{0,1} , pds:type , pds:description , pds:Quaternion_Component{4,4}
Children	pds:Quaternion_Component, pds:description, pds:local_identifier, pds:name, pds:type
Source	<pre> <xs:complexType name="Quaternion"> <xs:annotation> <xs:documentation>The Quaternion class models a mathematical construct that consists of four individual numeric components. Quaternions are a convenient mechanism for encapsulating orientation information since they require only four units of numeric storage, as opposed to the nine needed for a rotation matrix.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"/> </xs:element> <xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"/> </xs:element> <xs:element name="type" type="pds:type" minOccurs="1" maxOccurs="1"/> </xs:element> <xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"/> </xs:element> <xs:element name="Quaternion_Component" type="pds:Quaternion_Component" minOccurs="4" maxOccurs="4"/> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:Quaternion_Component

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Quaternion_Component class provides a component of a quaternion.
Diagram	
Used by	Element pds:Quaternion/pds:Quaternion_Component
Model	pds:name{0,1} , pds:data_type , pds:value , pds:sequence_number , pds:description{0,1}
Children	pds:data_type, pds:description, pds:name, pds:sequence_number, pds:value
Source	<pre> <xs:complexType name="Quaternion_Component"> <xs:annotation> <xs:documentation>The Quaternion_Component class provides a component of a quaternion.</xs:documentation> </xs:annotation> </pre>

```

<xs:sequence>
  <xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1">
  </xs:element>
  <xs:element name="data_type" type="pds:data_type" minOccurs="1" maxOccurs="1">
  </xs:element>
  <xs:element name="value" type="pds:value" minOccurs="1" maxOccurs="1">
  </xs:element>
  <xs:element name="sequence_number" type="pds:sequence_number" minOccurs="1" maxOccurs="1">
  </xs:element>
  <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1">
  </xs:element>
</xs:sequence>
</xs:complexType>

```

Complex Type pds:Vector

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Vector class provides the components of either a velocity or position vector.
Diagram	
Model	pds:name , pds:local_identifier{0,1} , pds:type , pds:data_type , pds:reference_frame_id , pds:vector_components , pds:description , pds:Vector_Component+
Children	pds:Vector_Component, pds:data_type, pds:description, pds:local_identifier, pds:name, pds:reference_frame_id, pds:type, pds:vector_components
Source	<pre> <xs:complexType name="Vector"> <xs:annotation> <xs:documentation>The Vector class provides the components of either a velocity or position vector.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="local_identifier" type="pds:local_identifier" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="type" type="pds:type" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="data_type" type="pds:data_type" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="reference_frame_id" nillable="true" type="pds:reference_frame_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="vector_components" type="pds:vector_components" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="Vector_Component" type="pds:Vector_Component" minOccurs="1" maxOccurs="unbounded"> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type pds:reference_frame_id

Namespace	http://pds.nasa.gov/pds4/pds/v1
Diagram	

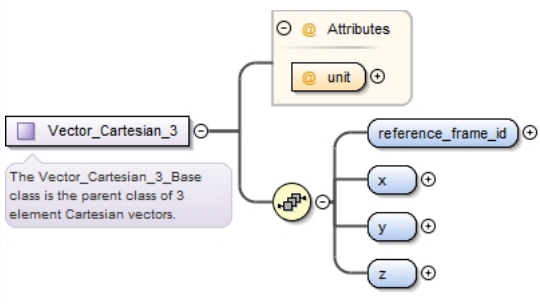
Type	extension of pds:ASCII_Short_String_Collapsed			
Type hierarchy	<ul style="list-style-type: none"> • xs:token • pds:ASCII_Short_String_Collapsed • pds:reference_frame_id 			
Used by	Elements pds:Vector/pds:reference_frame_id, pds:Vector_Cartesian_3/pds:reference_frame_id, pds:Vector_Cartesian_3_Acceleration/pds:reference_frame_id, pds:Vector_Cartesian_3_Pointing/pds:reference_frame_id, pds:Vector_Cartesian_3_Position/pds:reference_frame_id, pds:Vector_Cartesian_3_Velocity/pds:reference_frame_id			
Attributes	QName	Type	Use	
	nilReason	pds:nil_reason	optional	
Source	<pre><xs:complexType name="reference_frame_id"> <xs:simpleContent> <xs:extension base="pds:ASCII_Short_String_Collapsed"> <xs:attribute name="nilReason" type="pds:nil_reason" use="optional" /> </xs:extension> </xs:simpleContent> </xs:complexType></pre>			

Complex Type pds:Vector_Component

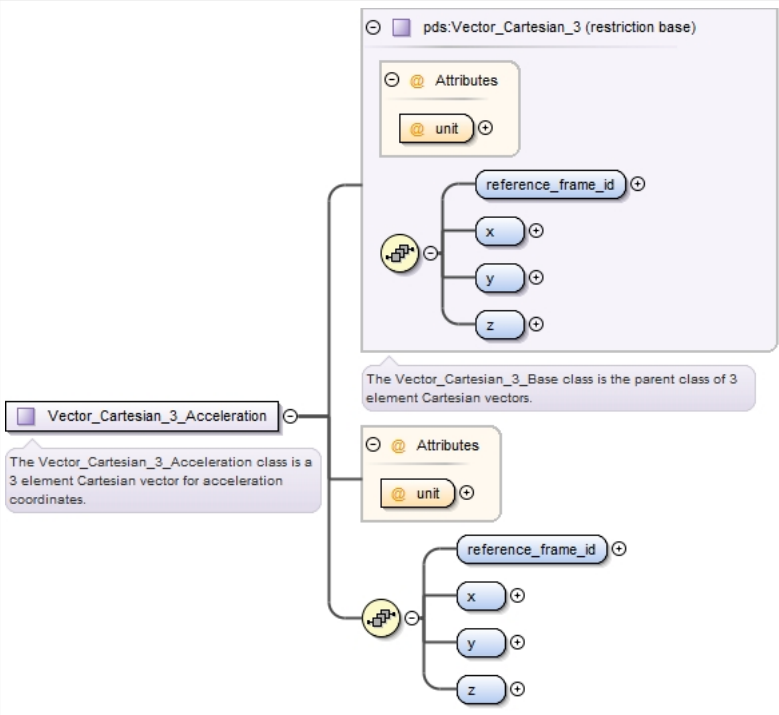
Namespace	http://pds.nasa.gov/pds4/pds/v1			
Annotations	The Vector_Component class provides a component of a vector.			
Diagram				
Used by	Element	pds:Vector/pds:Vector_Component		
Model	pds:name{0,1} , pds:unit{0,1} , pds:value , pds:sequence_number , pds:description{0,1}			
Children	pds:description, pds:name, pds:sequence_number, pds:unit, pds:value			
Source	<pre><xs:complexType name="Vector_Component" > <xs:annotation> <xs:documentation>The Vector_Component class provides a component of a vector.</ </xs:annotation> <xs:sequence> <xs:element name="name" type="pds:name" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="unit" type="pds:unit" minOccurs="0" maxOccurs="1"> </xs:element> <xs:element name="value" type="pds:value" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="sequence_number" type="pds:sequence_number" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="description" type="pds:description" minOccurs="0" maxOccurs="1"> </xs:element> </xs:sequence> </xs:complexType></pre>			

Complex Type pds:Vector_Cartesian_3

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Annotations	The Vector_Cartesian_3_Base class is the parent class of 3 element Cartesian vectors.		

Diagram									
Used by	Complex Types pds:Vector_Cartesian_3_Acceleration, pds:Vector_Cartesian_3_Pointing, pds:Vector_Cartesian_3_Position, pds:Vector_Cartesian_3_Velocity								
Model	pds:reference_frame_id , pds:x , pds:y , pds:z								
Children	pds:reference_frame_id, pds:x, pds:y, pds:z								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:ASCII_Short_String_Collapsed</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:ASCII_Short_String_Collapsed	required		
QName	Type	Use							
unit	pds:ASCII_Short_String_Collapsed	required							
Source	<pre> <xs:complexType name="Vector_Cartesian_3"> <xs:annotation> <xs:documentation>The Vector_Cartesian_3_Base class is the parent class of 3 element Cartesian vectors.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="reference_frame_id" type="pds:reference_frame_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="x" type="pds:x" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="y" type="pds:y" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="z" type="pds:z" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> <xs:attribute name="unit" type="pds:ASCII_Short_String_Collapsed" use="required"/> </xs:complexType> </pre>								

Complex Type pds:Vector_Cartesian_3_Acceleration

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Annotations	The Vector_Cartesian_3_Acceleration class is a 3 element Cartesian vector for acceleration coordinates.		
Diagram			

Type	restriction of pds:Vector_Cartesian_3		
Type hierarchy	<ul style="list-style-type: none"> • pds:Vector_Cartesian_3 <ul style="list-style-type: none"> • pds:Vector_Cartesian_3_Acceleration 		
Model	pds:reference_frame_id , pds:x , pds:y , pds:z		
Children	pds:reference_frame_id, pds:x, pds:y, pds:z		
Attributes	QName	Type	Use
	unit	pds:ASCII_Short_String_Collapsed	required
Source	<pre> <xs:complexType name="Vector_Cartesian_3_Acceleration"> <xs:annotation> <xs:documentation>The Vector_Cartesian_3_Acceleration class is a 3 element Cartesian vector for acceleration coordinates.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:restriction base="pds:Vector_Cartesian_3"> <xs:sequence> <xs:element name="reference_frame_id" type="pds:reference_frame_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="x" type="pds:x" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="y" type="pds:y" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="z" type="pds:z" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> <xs:attribute name="unit" type="pds:ASCII_Short_String_Collapsed" use="required"/> </xs:restriction> </xs:complexContent> </xs:complexType> </pre>		

Complex Type pds:Vector_Cartesian_3_Pointing

Namespace	http://pds.nasa.gov/pds4/pds/v1
Annotations	The Vector_Cartesian_3_Pointing class is a 3 element normalized Cartesian vector for pointing.
Diagram	<pre> classDiagram class Vector_Cartesian_3_Base["pds:Vector_Cartesian_3 (restriction base)"] { reference_frame_id x y z } class Vector_Cartesian_3_Pointing { reference_frame_id x y z unit } Vector_Cartesian_3_Base < -- Vector_Cartesian_3_Pointing </pre> <p>The Vector_Cartesian_3_Base class is the parent class of 3 element Cartesian vectors.</p> <p>The Vector_Cartesian_3_Pointing class is a 3 element normalized Cartesian vector for pointing.</p>
Type	restriction of pds:Vector_Cartesian_3
Type hierarchy	<ul style="list-style-type: none"> • pds:Vector_Cartesian_3 <ul style="list-style-type: none"> • pds:Vector_Cartesian_3_Pointing
Model	pds:reference_frame_id , pds:x , pds:y , pds:z
Children	pds:reference_frame_id, pds:x, pds:y, pds:z

Attributes	QName	Type	Use
	unit	pds:ASCII_Short_String_Collapsed	required
Source	<pre><xs:complexType name="Vector_Cartesian_3_Pointing"> <xs:annotation> <xs:documentation>The Vector_Cartesian_3_Pointing class is a 3 element normalized Cartesian vector for pointing.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:restriction base="pds:Vector_Cartesian_3"> <xs:sequence> <xs:element name="reference_frame_id" type="pds:reference_frame_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="x" type="pds:x" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="y" type="pds:y" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="z" type="pds:z" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:restriction> </xs:complexContent> </xs:complexType></pre>		

Complex Type pds:Vector_Cartesian_3_Position

Namespace	http://pds.nasa.gov/pds4/pds/v1		
Annotations	The Vector_Cartesian_3_Position class is a 3 element Cartesian vector for position coordinates.		
Diagram	<p>The diagram illustrates the structure of the <code>pds:Vector_Cartesian_3_Position</code> complex type. It is a restriction of the <code>pds:Vector_Cartesian_3</code> type. Both types share the same structure: an attribute <code>unit</code> and a sequence of four elements: <code>reference_frame_id</code>, <code>x</code>, <code>y</code>, and <code>z</code>. A note in the diagram states: "The Vector_Cartesian_3_Base class is the parent class of 3 element Cartesian vectors."</p>		
Type	restriction of pds:Vector_Cartesian_3		
Type hierarchy	<ul style="list-style-type: none"> pds:Vector_Cartesian_3 pds:Vector_Cartesian_3_Position 		
Model	pds:reference_frame_id, pds:x, pds:y, pds:z		
Children	pds:reference_frame_id, pds:x, pds:y, pds:z		
Attributes	QName	Type	Use
	unit	pds:ASCII_Short_String_Collapsed	required
Source	<pre><xs:complexType name="Vector_Cartesian_3_Position"> <xs:annotation> <xs:documentation>The Vector_Cartesian_3_Position class is a 3 element Cartesian vector for position coordinates.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:restriction base="pds:Vector_Cartesian_3"> <xs:sequence> <xs:element name="reference_frame_id" type="pds:reference_frame_id" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="x" type="pds:x" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="y" type="pds:y" minOccurs="1" maxOccurs="1"> </xs:element> <xs:element name="z" type="pds:z" minOccurs="1" maxOccurs="1"> </xs:element> </xs:sequence> </xs:restriction> </xs:complexContent> </xs:complexType></pre>		

```

</xs:annotation>
<xs:complexContent>
  <xs:restriction base="pds:Vector_Cartesian_3">
    <xs:sequence>
      <xs:element name="reference_frame_id" type="pds:reference_frame_id" minOccurs="1"
maxOccurs="1">
      </xs:element>
      <xs:element name="x" type="pds:x" minOccurs="1" maxOccurs="1">
      </xs:element>
      <xs:element name="y" type="pds:y" minOccurs="1" maxOccurs="1">
      </xs:element>
      <xs:element name="z" type="pds:z" minOccurs="1" maxOccurs="1">
      </xs:element>
    </xs:sequence>
    <xs:attribute name="unit" type="pds:ASCII_Short_String_Collapsed" use="required"/>
  </xs:restriction>
</xs:complexContent>
</xs:complexType>

```

Complex Type pds:Vector_Cartesian_3_Velocity

Namespace	http://pds.nasa.gov/pds4/pds/v1								
Annotations	The Vector_Cartesian_3_Velocity class is a 3 element Cartesian vector for velocity coordinates.								
Diagram									
Type	restriction of pds:Vector_Cartesian_3								
Type hierarchy	<ul style="list-style-type: none"> • pds:Vector_Cartesian_3 • pds:Vector_Cartesian_3_Velocity 								
Model	pds:reference_frame_id , pds:x , pds:y , pds:z								
Children	pds:reference_frame_id, pds:x, pds:y, pds:z								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>unit</td> <td>pds:ASCII_Short_String_Collapsed</td> <td>required</td> </tr> </tbody> </table>	QName	Type	Use	unit	pds:ASCII_Short_String_Collapsed	required		
QName	Type	Use							
unit	pds:ASCII_Short_String_Collapsed	required							
Source	<pre> <xs:complexType name="Vector_Cartesian_3_Velocity"> <xs:annotation> <xs:documentation>The Vector_Cartesian_3_Velocity class is a 3 element Cartesian vector for velocity coordinates.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:restriction base="pds:Vector_Cartesian_3"> <xs:sequence> <xs:element name="reference_frame_id" type="pds:reference_frame_id" minOccurs="1" maxOccurs="1"> </xs:element> </pre>								

```

<xs:element name="x" type="pds:x" minOccurs="1" maxOccurs="1">
</xs:element>
<xs:element name="y" type="pds:y" minOccurs="1" maxOccurs="1">
</xs:element>
<xs:element name="z" type="pds:z" minOccurs="1" maxOccurs="1">
</xs:element>
</xs:sequence>
<xs:attribute name="unit" type="pds:ASCII_Short_String_Collapsed" use="required"/>
</xs:restriction>
</xs:complexContent>
</xs:complexType>

```

Namespace: ""

Attribute(s)

Attribute cart:west_bounding_coordinate / @unit

Namespace	No namespace	
Type	pds:Units_of_Angle	
Properties	use:	required
Facets	enumeration	arcmin
	enumeration	arcsec
	enumeration	deg
	enumeration	hr
	enumeration	mrاد
	enumeration	rad
Used by	Complex Type	cart:west_bounding_coordinate
Source	<xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/>	

Attribute cart:east_bounding_coordinate / @unit

Namespace	No namespace	
Type	pds:Units_of_Angle	
Properties	use:	required
Facets	enumeration	arcmin
	enumeration	arcsec
	enumeration	deg
	enumeration	hr
	enumeration	mrاد
	enumeration	rad
Used by	Complex Type	cart:east_bounding_coordinate
Source	<xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/>	

Attribute cart:north_bounding_coordinate / @unit

Namespace	No namespace	
Type	pds:Units_of_Angle	
Properties	use:	required
Facets	enumeration	arcmin
	enumeration	arcsec
	enumeration	deg
	enumeration	hr
	enumeration	mrاد
	enumeration	rad

Used by	Complex Type cart:north_bounding_coordinate
Source	<code><xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/></code>

Attribute cart:south_bounding_coordinate / @unit

Namespace	No namespace												
Type	pds:Units_of_Angle												
Properties	use: required												
Facets	<table border="1"> <tr><td>enumeration</td><td>arcmin</td></tr> <tr><td>enumeration</td><td>arcsec</td></tr> <tr><td>enumeration</td><td>deg</td></tr> <tr><td>enumeration</td><td>hr</td></tr> <tr><td>enumeration</td><td>mrاد</td></tr> <tr><td>enumeration</td><td>rad</td></tr> </table>	enumeration	arcmin	enumeration	arcsec	enumeration	deg	enumeration	hr	enumeration	mrاد	enumeration	rad
enumeration	arcmin												
enumeration	arcsec												
enumeration	deg												
enumeration	hr												
enumeration	mrاد												
enumeration	rad												
Used by	Complex Type cart:south_bounding_coordinate												
Source	<code><xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/></code>												

Attribute cart:latitude_resolution / @unit

Namespace	No namespace												
Type	pds:Units_of_Angle												
Properties	use: required												
Facets	<table border="1"> <tr><td>enumeration</td><td>arcmin</td></tr> <tr><td>enumeration</td><td>arcsec</td></tr> <tr><td>enumeration</td><td>deg</td></tr> <tr><td>enumeration</td><td>hr</td></tr> <tr><td>enumeration</td><td>mrاد</td></tr> <tr><td>enumeration</td><td>rad</td></tr> </table>	enumeration	arcmin	enumeration	arcsec	enumeration	deg	enumeration	hr	enumeration	mrاد	enumeration	rad
enumeration	arcmin												
enumeration	arcsec												
enumeration	deg												
enumeration	hr												
enumeration	mrاد												
enumeration	rad												
Used by	Complex Type cart:latitude_resolution												
Source	<code><xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/></code>												

Attribute cart:longitude_resolution / @unit

Namespace	No namespace												
Type	pds:Units_of_Angle												
Properties	use: required												
Facets	<table border="1"> <tr><td>enumeration</td><td>arcmin</td></tr> <tr><td>enumeration</td><td>arcsec</td></tr> <tr><td>enumeration</td><td>deg</td></tr> <tr><td>enumeration</td><td>hr</td></tr> <tr><td>enumeration</td><td>mrاد</td></tr> <tr><td>enumeration</td><td>rad</td></tr> </table>	enumeration	arcmin	enumeration	arcsec	enumeration	deg	enumeration	hr	enumeration	mrاد	enumeration	rad
enumeration	arcmin												
enumeration	arcsec												
enumeration	deg												
enumeration	hr												
enumeration	mrاد												
enumeration	rad												
Used by	Complex Type cart:longitude_resolution												
Source	<code><xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/></code>												

Attribute cart:straight_vertical_longitude_from_pole / @unit

Namespace	No namespace
Type	pds:Units_of_Angle
Properties	use: required

Facets	enumeration	arcmin
	enumeration	arcsec
	enumeration	deg
	enumeration	hr
	enumeration	mrاد
	enumeration	rad
Used by	Complex Type	cart:straight_vertical_longitude_from_pole
Source	<code><xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/></code>	

Attribute cart:standard_parallel / @unit

Namespace	No namespace	
Type	pds:Units_of_Angle	
Properties	use:	required
Facets	enumeration	arcmin
	enumeration	arcsec
	enumeration	deg
	enumeration	hr
	enumeration	mrاد
	enumeration	rad
Used by	Complex Type	cart:standard_parallel
Source	<code><xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/></code>	

Attribute cart:longitude_of_central_meridian / @unit

Namespace	No namespace	
Type	pds:Units_of_Angle	
Properties	use:	required
Facets	enumeration	arcmin
	enumeration	arcsec
	enumeration	deg
	enumeration	hr
	enumeration	mrاد
	enumeration	rad
Used by	Complex Type	cart:longitude_of_central_meridian
Source	<code><xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/></code>	

Attribute cart:azimuthal_angle / @unit

Namespace	No namespace	
Type	pds:Units_of_Angle	
Properties	use:	required
Facets	enumeration	arcmin
	enumeration	arcsec
	enumeration	deg
	enumeration	hr
	enumeration	mrاد
	enumeration	rad
Used by	Complex Type	cart:azimuthal_angle

Source	<code><xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/></code>
--------	---

Attribute cart:azimuth_measure_point_longitude / @unit

Namespace	No namespace												
Type	pds:Units_of_Angle												
Properties	use: required												
Facets	<table border="1"> <tr><td>enumeration</td><td>arcmin</td></tr> <tr><td>enumeration</td><td>arcsec</td></tr> <tr><td>enumeration</td><td>deg</td></tr> <tr><td>enumeration</td><td>hr</td></tr> <tr><td>enumeration</td><td>mrاد</td></tr> <tr><td>enumeration</td><td>rad</td></tr> </table>	enumeration	arcmin	enumeration	arcsec	enumeration	deg	enumeration	hr	enumeration	mrاد	enumeration	rad
enumeration	arcmin												
enumeration	arcsec												
enumeration	deg												
enumeration	hr												
enumeration	mrاد												
enumeration	rad												
Used by	Complex Type cart:azimuth_measure_point_longitude												
Source	<code><xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/></code>												

Attribute cart:oblique_line_latitude / @unit

Namespace	No namespace												
Type	pds:Units_of_Angle												
Properties	use: required												
Facets	<table border="1"> <tr><td>enumeration</td><td>arcmin</td></tr> <tr><td>enumeration</td><td>arcsec</td></tr> <tr><td>enumeration</td><td>deg</td></tr> <tr><td>enumeration</td><td>hr</td></tr> <tr><td>enumeration</td><td>mrاد</td></tr> <tr><td>enumeration</td><td>rad</td></tr> </table>	enumeration	arcmin	enumeration	arcsec	enumeration	deg	enumeration	hr	enumeration	mrاد	enumeration	rad
enumeration	arcmin												
enumeration	arcsec												
enumeration	deg												
enumeration	hr												
enumeration	mrاد												
enumeration	rad												
Used by	Complex Type cart:oblique_line_latitude												
Source	<code><xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/></code>												

Attribute cart:oblique_line_longitude / @unit

Namespace	No namespace												
Type	pds:Units_of_Angle												
Properties	use: required												
Facets	<table border="1"> <tr><td>enumeration</td><td>arcmin</td></tr> <tr><td>enumeration</td><td>arcsec</td></tr> <tr><td>enumeration</td><td>deg</td></tr> <tr><td>enumeration</td><td>hr</td></tr> <tr><td>enumeration</td><td>mrاد</td></tr> <tr><td>enumeration</td><td>rad</td></tr> </table>	enumeration	arcmin	enumeration	arcsec	enumeration	deg	enumeration	hr	enumeration	mrاد	enumeration	rad
enumeration	arcmin												
enumeration	arcsec												
enumeration	deg												
enumeration	hr												
enumeration	mrاد												
enumeration	rad												
Used by	Complex Type cart:oblique_line_longitude												
Source	<code><xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/></code>												

Attribute cart:latitude_of_projection_origin / @unit

Namespace	No namespace		
Type	pds:Units_of_Angle		
Properties	use: required		
Facets	<table border="1"> <tr><td>enumeration</td><td>arcmin</td></tr> </table>	enumeration	arcmin
enumeration	arcmin		

	enumeration	arcsec
	enumeration	deg
	enumeration	hr
	enumeration	mrاد
	enumeration	rad
Used by	Complex Type	cart:latitude_of_projection_origin
Source	<code><xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/></code>	

Attribute cart:abscissa_resolution / @unit

Namespace	No namespace	
Type	pds:Units_of_Map_Scale	
Properties	use:	required
Facets	enumeration	km/pixel
	enumeration	m/pixel
	enumeration	mm/pixel
	enumeration	pixel/deg
Used by	Complex Type	cart:abscissa_resolution
Source	<code><xs:attribute name="unit" type="pds:Units_of_Map_Scale" use="required"/></code>	

Attribute cart:ordinate_resolution / @unit

Namespace	No namespace	
Type	pds:Units_of_Map_Scale	
Properties	use:	required
Facets	enumeration	km/pixel
	enumeration	m/pixel
	enumeration	mm/pixel
	enumeration	pixel/deg
Used by	Complex Type	cart:ordinate_resolution
Source	<code><xs:attribute name="unit" type="pds:Units_of_Map_Scale" use="required"/></code>	

Attribute cart:distance_resolution / @unit

Namespace	No namespace	
Type	pds:Units_of_Map_Scale	
Properties	use:	required
Facets	enumeration	km/pixel
	enumeration	m/pixel
	enumeration	mm/pixel
	enumeration	pixel/deg
Used by	Complex Type	cart:distance_resolution
Source	<code><xs:attribute name="unit" type="pds:Units_of_Map_Scale" use="required"/></code>	

Attribute cart:bearing_resolution / @unit

Namespace	No namespace	
Type	pds:Units_of_Angle	
Properties	use:	required
Facets	enumeration	arcmin

	enumeration	arcsec
	enumeration	deg
	enumeration	hr
	enumeration	mrاد
	enumeration	rad
Used by	Complex Type	cart:bearing_resolution
Source	<code><xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/></code>	

Attribute cart:upperleft_corner_x / @unit

Namespace	No namespace	
Type	pds:Units_of_Length	
Properties	use:	required
Facets	enumeration	AU
	enumeration	Angstrom
	enumeration	cm
	enumeration	km
	enumeration	m
	enumeration	micrometer
	enumeration	mm
	enumeration	nm
Used by	Complex Type	cart:upperleft_corner_x
Source	<code><xs:attribute name="unit" type="pds:Units_of_Length" use="required"/></code>	

Attribute cart:upperleft_corner_y / @unit

Namespace	No namespace	
Type	pds:Units_of_Length	
Properties	use:	required
Facets	enumeration	AU
	enumeration	Angstrom
	enumeration	cm
	enumeration	km
	enumeration	m
	enumeration	micrometer
	enumeration	mm
	enumeration	nm
Used by	Complex Type	cart:upperleft_corner_y
Source	<code><xs:attribute name="unit" type="pds:Units_of_Length" use="required"/></code>	

Attribute cart:semi_major_radius / @unit

Namespace	No namespace	
Type	pds:Units_of_Length	
Properties	use:	required
Facets	enumeration	AU
	enumeration	Angstrom
	enumeration	cm
	enumeration	km
	enumeration	m

	enumeration	micrometer
	enumeration	mm
	enumeration	nm
Used by	Complex Type	cart:semi_major_radius
Source	<code><xs:attribute name="unit" type="pds:Units_of_Length" use="required"/></code>	

Attribute cart:semi_minor_radius / @unit

Namespace	No namespace	
Type	pds:Units_of_Length	
Properties	use:	required
Facets	enumeration	AU
	enumeration	Angstrom
	enumeration	cm
	enumeration	km
	enumeration	m
	enumeration	micrometer
	enumeration	mm
	enumeration	nm
Used by	Complex Type	cart:semi_minor_radius
Source	<code><xs:attribute name="unit" type="pds:Units_of_Length" use="required"/></code>	

Attribute cart:polar_radius / @unit

Namespace	No namespace	
Type	pds:Units_of_Length	
Properties	use:	required
Facets	enumeration	AU
	enumeration	Angstrom
	enumeration	cm
	enumeration	km
	enumeration	m
	enumeration	micrometer
	enumeration	mm
	enumeration	nm
Used by	Complex Type	cart:polar_radius
Source	<code><xs:attribute name="unit" type="pds:Units_of_Length" use="required"/></code>	

Attribute pds:file_size / @unit

Namespace	No namespace	
Type	pds:Units_of_Storage	
Properties	use:	required
Facets	enumeration	byte
Used by	Complex Type	pds:file_size
Source	<code><xs:attribute name="unit" type="pds:Units_of_Storage" use="required"/></code>	

Attribute pds:offset / @unit

Namespace	No namespace	
-----------	--------------	--

Type	pds:Units_of_Storage
Properties	use: required
Facets	enumeration byte
Used by	Complex Type pds:offset
Source	<code><xs:attribute name="unit" type="pds:Units_of_Storage" use="required" /></code>

Attribute pds:object_length / @unit

Namespace	No namespace
Type	pds:Units_of_Storage
Properties	use: required
Facets	enumeration byte
Used by	Complex Type pds:object_length
Source	<code><xs:attribute name="unit" type="pds:Units_of_Storage" use="required" /></code>

Attribute pds:record_length / @unit

Namespace	No namespace
Type	pds:Units_of_Storage
Properties	use: required
Facets	enumeration byte
Used by	Complex Type pds:record_length
Source	<code><xs:attribute name="unit" type="pds:Units_of_Storage" use="required" /></code>

Attribute pds:field_location / @unit

Namespace	No namespace
Type	pds:Units_of_Storage
Properties	use: required
Facets	enumeration byte
Used by	Complex Type pds:field_location
Source	<code><xs:attribute name="unit" type="pds:Units_of_Storage" use="required" /></code>

Attribute pds:field_length / @unit

Namespace	No namespace
Type	pds:Units_of_Storage
Properties	use: required
Facets	enumeration byte
Used by	Complex Type pds:field_length
Source	<code><xs:attribute name="unit" type="pds:Units_of_Storage" use="required" /></code>

Attribute pds:group_location / @unit

Namespace	No namespace
Type	pds:Units_of_Storage
Properties	use: required
Facets	enumeration byte
Used by	Complex Type pds:group_location

Source	<code><xs:attribute name="unit" type="pds:Units_of_Storage" use="required" /></code>
--------	--

Attribute pds:group_length / @unit

Namespace	No namespace
Type	pds:Units_of_Storage
Properties	use: required
Facets	enumeration byte
Used by	Complex Type pds:group_length
Source	<code><xs:attribute name="unit" type="pds:Units_of_Storage" use="required" /></code>

Attribute pds:band_width / @unit

Namespace	No namespace
Type	pds:Units_of_Length
Properties	use: required
Facets	enumeration AU
	enumeration Angstrom
	enumeration cm
	enumeration km
	enumeration m
	enumeration micrometer
	enumeration mm
	enumeration nm
Used by	Complex Type pds:band_width
Source	<code><xs:attribute name="unit" type="pds:Units_of_Length" use="required" /></code>

Attribute pds:center_wavelength / @unit

Namespace	No namespace
Type	pds:Units_of_Length
Properties	use: required
Facets	enumeration AU
	enumeration Angstrom
	enumeration cm
	enumeration km
	enumeration m
	enumeration micrometer
	enumeration mm
	enumeration nm
Used by	Complex Type pds:center_wavelength
Source	<code><xs:attribute name="unit" type="pds:Units_of_Length" use="required" /></code>

Attribute pds:maximum_record_length / @unit

Namespace	No namespace
Type	pds:Units_of_Storage
Properties	use: required
Facets	enumeration byte
Used by	Complex Type pds:maximum_record_length

Source	<code><xs:attribute name="unit" type="pds:Units_of_Storage" use="required" /></code>
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Attribute pds:maximum_field_length / @unit

Namespace	No namespace
Type	pds:Units_of_Storage
Properties	use: required
Facets	enumeration byte
Used by	Complex Type pds:maximum_field_length
Source	<code><xs:attribute name="unit" type="pds:Units_of_Storage" use="required" /></code>

Attribute pds:start_date_time / @nilReason

Namespace	No namespace
Type	pds:nil_reason
Properties	use: optional
Used by	Complex Type pds:start_date_time
Source	<code><xs:attribute name="nilReason" type="pds:nil_reason" use="optional" /></code>

Attribute pds:stop_date_time / @nilReason

Namespace	No namespace
Type	pds:nil_reason
Properties	use: optional
Used by	Complex Type pds:stop_date_time
Source	<code><xs:attribute name="nilReason" type="pds:nil_reason" use="optional" /></code>

Attribute pds:solar_longitude / @unit

Namespace	No namespace
Type	pds:Units_of_Angle
Properties	use: required
Facets	enumeration arcmin enumeration arcsec enumeration deg enumeration hr enumeration mrad enumeration rad
Used by	Complex Type pds:solar_longitude
Source	<code><xs:attribute name="unit" type="pds:Units_of_Angle" use="required" /></code>

Attribute pds:stop_date / @nilReason

Namespace	No namespace
Type	pds:nil_reason
Properties	use: optional
Used by	Complex Type pds:stop_date
Source	<code><xs:attribute name="nilReason" type="pds:nil_reason" use="optional" /></code>

Attribute pds:aperture / @unit

Namespace	No namespace
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Type	pds:Units_of_Length	
Properties	use:	required
Facets	enumeration	AU
	enumeration	Angstrom
	enumeration	cm
	enumeration	km
	enumeration	m
	enumeration	micrometer
	enumeration	mm
	enumeration	nm
Used by	Complex Type	pds:aperture
Source	<code><xs:attribute name="unit" type="pds:Units_of_Length" use="required"/></code>	

Attribute pds:telescope_longitude / @unit

Namespace	No namespace	
Type	pds:Units_of_Angle	
Properties	use:	required
Facets	enumeration	arcmin
	enumeration	arcsec
	enumeration	deg
	enumeration	hr
	enumeration	mrاد
	enumeration	rad
Used by	Complex Type	pds:telescope_longitude
Source	<code><xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/></code>	

Attribute pds:telescope_latitude / @unit

Namespace	No namespace	
Type	pds:Units_of_Angle	
Properties	use:	required
Facets	enumeration	arcmin
	enumeration	arcsec
	enumeration	deg
	enumeration	hr
	enumeration	mrاد
	enumeration	rad
Used by	Complex Type	pds:telescope_latitude
Source	<code><xs:attribute name="unit" type="pds:Units_of_Angle" use="required"/></code>	

Attribute pds:altitude / @unit

Namespace	No namespace	
Type	pds:Units_of_Length	
Properties	use:	required
Facets	enumeration	AU
	enumeration	Angstrom
	enumeration	cm

	enumeration	km
	enumeration	m
	enumeration	micrometer
	enumeration	mm
	enumeration	nm
Used by	Complex Type	pds:altitude
Source	<code><xs:attribute name="unit" type="pds:Units_of_Length" use="required"/></code>	

Attribute pds:start_time / @nilReason

Namespace	No namespace	
Type	pds:nil_reason	
Properties	use:	optional
Used by	Complex Type	pds:start_time
Source	<code><xs:attribute name="nilReason" type="pds:nil_reason" use="optional"/></code>	

Attribute pds:stop_time / @nilReason

Namespace	No namespace	
Type	pds:nil_reason	
Properties	use:	optional
Used by	Complex Type	pds:stop_time
Source	<code><xs:attribute name="nilReason" type="pds:nil_reason" use="optional"/></code>	

Attribute pds:publication_date / @nilReason

Namespace	No namespace	
Type	pds:nil_reason	
Properties	use:	optional
Used by	Complex Type	pds:publication_date
Source	<code><xs:attribute name="nilReason" type="pds:nil_reason" use="optional"/></code>	

Attribute pds:reference_frame_id / @nilReason

Namespace	No namespace	
Type	pds:nil_reason	
Properties	use:	optional
Used by	Complex Type	pds:reference_frame_id
Source	<code><xs:attribute name="nilReason" type="pds:nil_reason" use="optional"/></code>	

Attribute pds:Vector_Cartesian_3 / @unit

Namespace	No namespace	
Type	pds:ASCII_Short_String_Collapsed	
Properties	use:	required
Facets	minLength	1
	maxLength	255
	pattern	<code>\p{IsBasicLatin}*</code>
Used by	Complex Type	pds:Vector_Cartesian_3
Source	<code><xs:attribute name="unit" type="pds:ASCII_Short_String_Collapsed" use="required"/></code>	

Attribute pds:Vector_Cartesian_3_Acceleration / @unit

Namespace	No namespace	
Type	pds:ASCII_Short_String_Collapsed	
Properties	use:	required
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Used by	Complex Type	pds:Vector_Cartesian_3_Acceleration
Source	<code><xs:attribute name="unit" type="pds:ASCII_Short_String_Collapsed" use="required"/></code>	

Attribute pds:Vector_Cartesian_3_Position / @unit

Namespace	No namespace	
Type	pds:ASCII_Short_String_Collapsed	
Properties	use:	required
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Used by	Complex Type	pds:Vector_Cartesian_3_Position
Source	<code><xs:attribute name="unit" type="pds:ASCII_Short_String_Collapsed" use="required"/></code>	

Attribute pds:Vector_Cartesian_3_Velocity / @unit

Namespace	No namespace	
Type	pds:ASCII_Short_String_Collapsed	
Properties	use:	required
Facets	minLength	1
	maxLength	255
	pattern	\p{IsBasicLatin}*
Used by	Complex Type	pds:Vector_Cartesian_3_Velocity
Source	<code><xs:attribute name="unit" type="pds:ASCII_Short_String_Collapsed" use="required"/></code>	