

Release Notes

PD4 Information Model Version 1.7.0.0

Build 7a Release

September 28, 2016

These notes detail the changes made to the PDS4 Information Model and contained in Release 1.7.0.0. These changes include those approved by the CCB since Version 1.6.0.0 and bug fixes since Version 1.6.0.0. The released documents include:

1. index_1600.html – Information Model Specification
2. PDS4_PDS_1600.xsd – Common Schema
3. PDS4_PDS_1600.sch – Common Schematron
4. PDS4_PDS_1600.xml – Label for Common Schema and Schematron
5. PDS4_PDS_DD_1600.html – Data Dictionary (html)
6. PDS4_PDS_DD_1600.pdf – Data Dictionary (pdf)
7. PDS4_PDS_JSON_1600.JSON – Information Model (JSON)
8. PDS4_PDS_SKOS_1600.ttl – Information Model (SKOS)
9. PDS4_DISP_1600.xsd – Display LDD Schema
10. PDS4_DISP_1600.sch – Display LDD Schematron
11. PDS4_DISP_1600.xml – Label for Display Schema and Schematron

CCB approved changes made since the release of Version 1.6.0.0

1. CCB-65 - Need additional Target_Identification/type values
2. CCB-132 - Units_of_Map_Scale is Badly Defined
3. CCB-143 - Validate field_format via regex
4. CCB-150 - Modify <Product_Context> to accommodate Balloon
5. CCB-152 - field_format definition mismatch between IM and SR
6. CCB-157 - Remove sampling_parameters attribute from Uniformly_Sampled
7. CCB-158 - Restore J2C as valid format for supplemental data
8. CCB-159* - Bug fixes for Version 1.7.0.0
9. CCB-160 - URN prefix for the Japan Aerospace eXploration Agency (JAXA)
10. CCB-163 - Correct the Instrument.Type enumerated list

Bug Fixes

1. Add the value "English" and its value meaning to the attribute <Document_Edition.language>
2. Change the cardinalities of the attributes <Facility.type> and <Target.type> to (1..1) from (0..1).
3. Add permissible values {instrument_to_telescope, instrument_to_observatory, instrument_to_facility} to <Product_Context.Reference_List.Internal_Reference.reference_type>
4. Add permissible values {telescope_to_observatory, telescope_to_facility, telescope_to_airborne} to <Product_Context.Reference_List.Internal_Reference.reference_type>
5. Exposed <External_Reference>, <Internal_Reference>, and <Local_Internal_Reference> as xs:elements when writing the .xsd.
 - a. Changed "xs:element name" to "xs:element ref" when writing elements to an .xsd for elements in external namespaces and that are exposed.
6. CCB-143 - Bugfix - Removed the ^ and \$ regex symbols from the <field_format> pattern since the symbols are assumed to be required in XML schema; In the regex system used to develop the pattern they mean the beginning and ending of the line, respectively.
7. CCB-146 - Bugfix - Added "Roscosmos State Corporation for Space Activities" to <Agency.name> for ROSCOSMO
8. CCB-160 - Bugfix – Added "Japan Aerospace Exploration Agency" to <Agency.name> for JAXA
9. Changed Cartography LDD namespace and steward to cart and img respectively
10. Added Units_of_Acceleration to <DD_Value_Domain_Full.unit_of_measure_type>