Release Notes

PD4 Information Model Version 1.D.0.0

Build 10a Release

September 27, 2019

These notes detail the changes made to the PDS4 Information Model and contained in Release 1.D.0.0. These changes include those approved by the CCB since Version 1.C.0.0 and bug fixes since Version 1.C.0.0. The released documents include:

1. index_1D00.html – Information Model Specification
2. PDS4_PDS_1D00.xsd – Common Schema
3. PDS4_PDS_1D00.sch – Common Schematron
4. PDS4_PDS_1D00.xml – Label for Common Schema and Schematron
5. PDS4_PDS_DD_1D00.html – Data Dictionary (html)
6. PDS4_PDS_DD_1D00.pdf – Data Dictionary (pdf)
7. PDS4_PDS_JSON_1D00.JSON – Information Model (JSON)

CCB approved changes made since the release of the prior version of the Information Model

1. CCB-237 - Change Attribute doi to Data Type ASCII_DOI
2. CCB-244 - Deprecate 'earth-based' from Context Product Instrument_Host types
3. CCB-249 - Schematron Rule Elements - Assert and Report
4. CCB-250 - Correct schematron rule pds:checksum_type" to test for 'MD5' not 'MD5Deep 4.n'
5. CCB-251 - Add Units_of_Gmass as a unit of measure
6. CCB-252 - Add "Not Applicable" to wavelength_range in Science_Facets
7. CCB-253 - Add Units_of_Force as a unit of measure
8. CCB-254 - Add Enumerated Value to Target_Identification.type for Gravitational Waves
9. CCB-256 - Need method for providing permissible value definitions for external namespaces in Ingest_LDD – Note:Implementation postponed until after Build 10a
10. CCB-258 - Use of nilReason with xsi:nil should be required and validated
11. CCB-262 - Add an enumerated value for Primary_Result_Summary
12. CCB-266 - Change type of External_Reference/reference_text

Bug Fixes and other Changes

1. None

LDDTool Changes

1. LDDTool code modified to use DOM instead of MOF model.
   a. DOM – Data Object Model
   b. MOF - Metadata Object Facility