

Release Notes

PDS4 Information Model Version 1.E.0.0

Build 10b Release

March 23, 2020

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

1. index_1E00.html – Information Model Specification
2. PDS4_PDS_1E00.xsd – Common Schema
3. PDS4_PDS_1E00.sch – Common Schematron
4. PDS4_PDS_1E00.xml – Label for Common Schema and Schematron
5. PDS4_PDS_DD_1E00.html – Data Dictionary (html)
6. PDS4_PDS_DD_1E00.pdf – Data Dictionary (pdf)
7. PDS4_PDS_JSON_1E00.JSON – Information Model (JSON)

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

1. CCB-138 - Mismatch between context type and observing_system_component type.
2. CCB-204 - Define and enforce best practices for LDD.
3. CCB-220 - Add ability to specify many source products via table.
4. CCB-256 - Need method for providing permissible value definitions for external namespaces in Ingest_LDD.
5. CCB-268 - Add optional attribute to class <Terminological_Entry>
6. CCB-271 - Add reference_types for Product_Ancillary.
7. CCB-274 - Add attribute dictionary_type to Ingest_LDD
8. CCB-278 - Fix errors in logical_identifier, ASCII_LID, ASCIIVID and ASCII_LIDVID_LID.
9. CCB-272 - Reinstate Array_1D
10. CCB-279 - Mis-Matched <axes> and Axis_Array Specifications
11. CCB-280 - Ambiguity in Application of Most-Specific-Class Requirement

Bug Fixes and other Changes

1. Updated LDDTool to replace the character “&” with XML escape code for data type patterns.

LDDTool Changes

1. Local dictionary attributes named "type" or with names ending in "_type" must have permissible value lists.
2. No attribute should be named "unit", "units", "unit_of_measure", or similar, or end in any of those strings.
3. No class defined with <element_flag> set to "true" may be a component at any level of another class with <element_flag> set to "true".
4. An attribute that is defined as "nillable" must be a required attribute of at least one class.