

Release Notes

PD4 Information Model Version 1.1.0.0

Build 4a

September 30, 2013

These notes detail the changes made to the PDS4 Information Model and contained in Release 1.1.0.0. The purpose of this release is to address new requirements levied by the MAVEN mission since the release of V1.0.0.0. The release includes an XML Schema file, Schematron file, data dictionary, and an information model document. All non-bug changes have been approved by the PDS Change Control Board (CCB).

Changes made since the release of Version 1.0.0.0

Required for MAVEN

1. CCB-17 - Include Array_1D class in File_Area_Observational and File_Area_Observational_Supplemental and File_Area_Browse.
2. CCB-24 - Add "CDF 3.4 ISTP/IACG" as a parsing_standard_id
3. CCB-36 - Redesign the Primary_Result_Summary Class

Other changes

4. CCB-5 - Instrument Context product - add enumerated value of "robotic arm"
5. CCB-7 - Axis_Array: remove attribute <unit>
6. CCB-6 - Terminological_Entry.preferred_flag: add schematron rule
7. CCB-8 - Idd_version_id: modify constraints on value
8. CCB-11 - Identification_Area.logical_identifier: ensure value only contains lower case letters
9. CCB-12 - Primary_Result_Summary.type: remove 'Magnetometry' from enumerated value list
10. CCB-13 - Internal_Reference: lid_reference
11. CCB-14 - Bundle_Member_Entry: lidvid_reference & lid_reference
12. CCB-15 - Identification_Area.product_class: add schematron rule – Done
13. CCB-16 - Add new Unit_of_Measure class "Units_of_Wavenumber" (number of waves per unit distance, i.e., inverse length).

14. CCB-18 - Current definitions do not adequately distinguish among permissible values for instrument_host.type
15. CCB-19 - Initialize the permissible value set of Target_Identification.type using a copy of the set provided for Target.type in Product_Context.
16. CCB-26 - Add Idd_version_id to XML_Schema Class
17. CCB-27 - Axis_Array: add optional attribute local_identifier
18. CCB-28 - Typographical error in definition of min/maximum_scaled_value
19. CCB-29 - Deprecate Display_2D_Image class in main model (SCR NOT DONE YET)
20. CCB-33 - Deprecate Band_Bin_Set class.
21. CCB-31 - Two new Unit_of_Measure classes: Spectral_Radiance and Spectral_Irradiance
22. CCB-39 - Minor Problems with <fields> and <groups> attributes

Minor cleanup to generated documents.

1. Remove "DRAFT" from title page of IM Specification
2. An XML generated label for schema and schematron files calculate records and bytes