

Release Description 0.3.0.0.e

This release of the PDS4 Data Standards represents Build 1c and is intended as one in a series of builds leading to the operational Build 2 in October 2011. The following sections can be found in this document:

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Reference Documents

This section details the controlling and applicable documents referenced for this release. The controlling documents are as follows:

- PDS4 Information Model Requirements, December 29, 2008.
- PDS4 Information Model Specification , Version 0.3.0.0.e, March 30, 2011

Resources

This section details the new, modified and corrected resources that comprise this release. The set of resources and their relationships are illustrated in Figure 1, below. They are summarized below. A more detailed list of changes can be found in the release notes and change logs for each resource.

New Resources

The following resources are new for this release:

- Introduction – A guide to get you started.
- Jumpstart Guide – A brief introduction to PDS4 in terms of analogous PDS3 vocabulary.
- Brochure – Two page overview of the PDS4 Data Standards.

Modified Resources

The following resources have been modified for this release:

- Concepts Document – Introduction to PDS4 key concepts - Minor modifications were made to the Concepts Document based on review input.
- Glossary – A concise set of definitions for key PDS4 terms – The glossary went through several cycles of review and update.
- Data Provider’s Handbook (DPH) – A cookbook to guide data providers step-by-step through the process of developing an archive. – The DPH was rewritten based on review input.

- Standards Reference – One of the two fundamental reference documents for PDS4 – The Standards Reference was updated based on review input and many TBDs were addressed.
- Data Dictionary – A fundamental reference for PDS4 that contains attribute and class definitions – The Data Dictionary was updated to reflect review input and regenerated to reflect the latest version of the PDS4 Information Model Specification.
- Examples – A set of products, collections, bundles, and packages that illustrates design concepts and goals. The Examples were modified to reflect the latest version of the PDS4 Information Model Specification.

Liens

This section details the liens against the resources.

- The Examples continue to be updated. The final release is expected in mid-April.
- The Data Provider’s Handbook rewrite continues. Preliminary release is expected in mid-April.

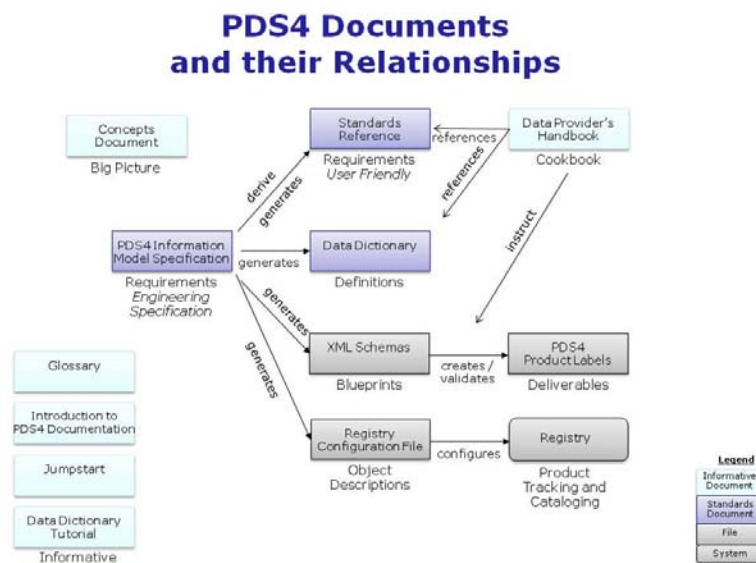


Figure 1 - PDS4 Documents and their Relationships

Release Notes

This section summarizes the changes made to the PDS4 Information Model for Build 1c. This build was scheduled for March 31, 2011. On March 30, the 0.3.0.0.e release was “frozen” so that the documents and examples could be updated to a stable version. This version included a few major changes to the core elements and many minor changes to the model in general.

Major Changes in the 3/21/11 0.3.0.0.e release for Build 1c

1. Tagged_Data_Objects (TDOs) nested within File_Area – This change eliminated the data_areas and alternate_data_areas. The File_Area now include one File class and all TDOs that are included in the described file. The cardinality for File_Area is 1..*.
2. The Array_Base class hierarchy was redesign to remove unused subclasses and many of the subclasses were renamed to be more consistent. For example, Image_Grayscale was renamed to Array_2D_Image.
3. The Collection class was redesign to allow three optional inventories. These inventories are a) primary member with LIDVID reference, b) secondary member with LIDVID reference and c)secondary member with LID reference.

Minor changes are listed in the release notes at the following website.

<https://oodt.jpl.nasa.gov/wiki/display/pdscollaboration/Data+Design+Working+Group>

See Build 1c - Summary of Changes - March 2011