



PDS4 Build2a Liens

December 13, 2011

Action Item

- At the PDS Management Council on December 1, Steve Hughes and Dan Crichton accepted an action to develop a plan for resolving liens prior to the deployment of build 2b.
 - The action item predominately focus on the data standards, however, all liens will be addressed.

Liens and RFAs

- Liens from the review were captured and categorized. The liens are major items to be resolved prior to release of build 2b.
- RFAs provided by members during exercises and review
 - RFAs classified into build 2b and build 2c+ categories
 - Build 2b will be resolved prior to release
 - No additional liens have been identified from initial review by Beebe and Crichton

Build 2 Scope

- Begin PDS4 label design for LADEE and MAVEN; Begin planning/testing migration
- Deploy a PDS4 standard that supports the Policy on “Acceptable PDS4 Data Formats”
- Transition the central catalog to the registry infrastructure
- Deploy early PDS4 software tools and services

Data Standards Liens

- Need to finalize and freeze the information model for Build 2b incorporating high priority changes identified in Build 2a.
- Need capabilities to support local data dictionary validation and the creation of schema and human-readable definition lists.
- Need to baseline the current documentation; Need to provide additional information/changes.
- Need to finalize and freeze the XML Schema for Build 2b incorporating the extension schemas currently under testing by the DDWG

Key DDWG Liens Areas

1) Information Model

- a) Prepare actionable items for each high priority change.
- b) Review the actionable items.
- c) Apply the actionable items and release Jan 9.

2) Local Data Dictionary

- a) Document the current local data dictionary process in a wiki.
- b) Generate local schema and DD reports for LADEE and MAVEN using local data dictionary schema by Jan 15.

3) PDS4 Data Standards Documentation

- a) Minimal changes to current documentation
- b) Add any additional information/ changes to an online resource (e.g., wiki) by Jan 31.

4) PDS4 Master Schema (aka Extension Schema)

- a) Immediately address known issues with Extension schema in light of decision to go with XML Schema 1.1 (e.g. vacuous classes).
- b) Release the XML Schema by Dec 15 for pre-build 2b testing.
- c) Finalize and freeze the XML Schema by Jan 27 for Build 2b. ⁶

DDWG Focus Build 2b

- Assemble sub-teams for build 2b
 - One person generates the draft upgrade or fix
 - A review group of up to 4 people finalize
- Focus DDWG telecons on key items
 - Review of upgrades
 - Finalization of build 2b items and resolution of critical RFAs
- Ensure that PDS can do a full test in January prior to release

Plan for Release of Build 2b

- Dec 5-9 - DDWG/Steve/Dan send plan to MC to address ORR liens
- Dec 12 - MC telecon to discuss ORR lien plan
- Dec 15 - XML Schemas available for early testing
- Week Jan 9 - Release Information Model, XML Schemas, and XML Label(s); Tech telecon to discuss label(s); begin node exercises; document LDD support for LADEE/MAVEN
- Jan 18 - Exercises due
- Jan 23 - Telecon to discuss results of exercises
- Jan 27 - Freeze IM and DDWG artifacts (including documentation)
- Jan 31 - Release Build 2b - Complete SDWG delivery

Software System Liens

- Finalize implementation of the Catalog Ingest Tool supporting ingestion of PDS3 catalog files into the PDS4 registry.
- Add support for XML Schema 1.1 to the Harvest and Validate Tools.
- Upgrade the Data Search interface to remove the dependence on the PDS3 catalog database.

SDWG Plan

- Finalize, test and release “citool” by January 31, 2011 (upgrade of existing ingest tool for PDS4) and include in build 2b delivery.
- Add support for schema 1.1 after DDWG delivery on December 15. Delivery as part of build 2b.
- Upgrade data search by January 31, 2011 and include in build 2b delivery.

Backup

Planned Deployment for Build 2b

- Software System
 - Registry Service
 - Harvest Tool
 - Validate Tool
 - Security Service
 - Report Service
 - Search Service
- Data Standards
 - Information Model
 - XML Schemas
 - Data Dictionary
 - Standards Documents
 - Introduction
 - Concepts Document
 - Standards Reference
 - Data Provider Handbook
 - Glossary
 - Jumpstart

** PDS4 is following an iterative development model so additional phases will deliver additional capability.*