Build 2c Test Plan

April 9, 2012

Goal

- Identify and resolve any issues remaining in the core PDS4 Information Model.
  - Validate the data products and data objects that have not been the focus of the LADEE and MAVEN development teams.
    - Do the fundamental structures meet our needs?
    - Are the products types an adequate set of baseline templates for constructing products?
    - What discipline classes are still needed?
    - What additional validation should be done?
  - Resolve issues identified during the LADEE and MAVEN development task.

Plan

- A portion of the core information model has been accepted for testing by each node.
- Two-phased approached to be completed by end of May 2012
- Phase 1: test the assigned data products and data objects
  - PDS3 data products identified for early migration?
- Phase 2: test aggregation and ancillary products
  - Collections, bundles, documents, etc.

Core Product and Data Object Testing by Node

	PDS4 Product	Atm	Geo	Img	NAIF	PPI	Rgs	RS	SBN
1	Product_Observational:Table_Binary		*			*		*	
2	Product_Observational:Table_Character	*				*	*		
3	Product_Observational:Table_Delimited		*			*			
4	Product_Observational:Array_2D_Image		*	*					
5	Product_Observational:Header	*				*			
6	Product_Observational:Header_Binary					*			
7	Product_SPICE_Kernel_Binary				*				
8	Product_SPICE_Kernel_Text				*				
9	Product_Document	*				*	*		
10	Product_Thumbnail					*			
11	Product_Browse					*			
12	Product_Collection	*				*	*		
13	Product_Archive_Bundle	*				*	*		

Time Line

- Mar 28 – Test Plan reviewed and approved
  - Node assignments made and development started Mar 16.
  - Full suite of documents available April 9.

- Apr 20 – Data product labels available for review and testing; issues reported via RFAs.

- May 3 – Collection and bundle product labels available for review and testing; issues reported via RFAs.

- May 11 – Final products available
  - Updates have been applied to information model.
  - Information model has been frozen and released.
  - Schemas have been re-generated.

Wrap Up

- The core PDS Information Model and its implementation into XML Schema has matured to the point where comprehensive testing is required for further progress.
- The node testing should cover all aspects of the core model, from individual data objects, e.g. the array, through to the archive bundle that is sent to the deep archive.
- The data products chosen for testing should be a broad cross section of the data in the archive.
- Identified issues will be addressed as soon as they are reported.
  - Review the issue, determine impact and fix, schedule implementation.

Questions and Answers