Wrap Up

PDS System Review

June 21-22, 2011

Summary

- A significant amount of work has been accomplished
  - Project->Architecture->Design->Implementation
  - Deliveries
  - Working prototypes
  - Working coordination PDS-wide
  - PDS-wide engagement; IPDA engagement; community engagement; mission alignment

- A number of key risk items have been addressed
  - Migration of the catalog, moving to a model-driven approach (end-to-end), community engagement

- Adequate resources and support are in place and the schedule is well understood to get to build 2

- Ultimately, we believe this approach (architecture, the organization/structure, etc) will serve PDS for years to come

System Builds

Phase	Purpose	Release	Date
I Prototype Build 1 Ingestion	• Release a prototype Ingest Subsystem • Baseline PDS4 model, standards reference (beta release) • Enable PDS3 to PDS4 catalog migration • Support PDS4 product prototypes	• PDS4 beta info model, standards reference, data dictionary, schemas baseline • PDS 2010 Ingestion subsystem including Harvest, Registry (Inventory, Document, Dictionary, Service), Report and Security services • Initial data provider tool suite • First set of process, documentation and tutorial	October 2010
II Operational Build 2 Distribution	• Initial operational PDS 2010 system and PDS4 Standards • Allow acceptance of PDS4 data into operational archive • Enable data migration from PDS3 to PDS4 • Allow user to search and access both PDS3 and PDS4 data	• E2E PDS 2010 system, Distribution subsystem including Search and Monitor services, revised web site, general portal applications • Complete tool suite • Production release of PDS4 standards reference, data dictionary • Enhanced process, documentation and tutorial	October 2011
III Operational Build 3 User Capabilities	• Incremental release of operational PDS 2010 system to enhance user capabilities • Support data transformation • Support science services	• Integration of DN applications and science services • Order and Subscription services	Summer 2012

Build 2 Release Plan

- Complete PDS4 build 2 (October 2011)
- Conduct Operational Readiness Review (November 2011)
  - Assemble review to assess any final issues that need to be addressed prior to production release of PDS4
  - Finalize steps for release
  - More on next page
- Release PDS4 (January 2012)
  - Switch over software system and supporting catalog
  - Post PDS4 standards documents
- Continue future build/release process
- Begin Migration

Review Criteria

- Ensure the design is responsive to the architecture
  - Model-driven, service-oriented implementation that will scale
- Ensure the design will support the key level 3 requirements for data distribution
  - The prototype can replicate its PDS3 functionality, but will build substantially from there
- Assess progress since the build 1 delivery
  - PDS started and has met its build schedule identified 20 months ago
- Assess plans for the build 2 delivery and support for the early PDS4 missions
  - The analysis on the missions has helped us scope our release and ensure we are not in the critical path.
- Assess the transition plan/approach from PDS3 to PDS4 operations to ensure continued operations
  - The transition is currently being tested to ensure it will work.
- Provide overall technical and project management recommendations

Feedback Process

- RFA forms are provided electronically

- They can be emailed to Emily Law (Emily.Law@jpl.nasa.gov)

- RFAs will be collected and then dispositioned by the project team

Thanks

- Thanks to
  - Review board for your support and guidance
  - PDS nodes for excellent collaboration
  - PDS and HQ management for your support
  - Tom Morgan for hosting the meeting

- We would be happy to follow up on individual items and collaborate on areas of interest.