DDWG Status

DDWG Spokepersons

MC Face-to-Face
Arcadia, CA
September 28-29, 2015

Topics

- Information Model Status

- DDWG Telecon

- DDWG Tasks

- Summary

IM Status

- Common model remains stable.
  - The majority of changes involve schematron rules and new permissible values.
  - Product_Ancillary has been added as a new product.

- V1.5.0.0 has been released with CCB approved SCRs and Bug Fixes for *Testing and Comment*

- Key discipline dictionaries development continues.
  - Geometry – Released for InSight
  - Cartography – work continues

- International community is engaged.

Telecon

- The DDWG meets for a one hour teleconference on alternate weeks

- Typical DDWG Agenda
  - SCR Statuses
  - Team Task Statuses
  - Discussions on issues with goal of obtaining consensus opinions.
  - Votes to recommend SCRs to the CCB.

Tasks

- ## Steward Led Tasks (Discipline Teams)
  - Geometry
  - Cartography

- ## Special tasks
  - NSSDC/PDS Interface
  - Support for the release of IM V1.5.0.0 for Build 6a for Model Integration and Test
  - Document Improvement

Task - Geometry

Team lead and members: <u>E. Guinness, M. Gordon</u>, A. Raugh, C. Isbell, S. McLaughlin, B. Semenov , C. Acton, E. Rye, S. Hughes

Short Description: Capture geometry requirements from across the disciplines, obtain a consensus model, and write a geometry dictionary. Currently focusing on classes for flyby/orbital and landed missions.

Goals: Cross-discipline Geometry Model and Dictionary

Status:

  One round of review by interested DDWG members.

  Focus has been on classes for lander/rover geometry to support InSight cameras.

  Orbiter classes mostly stable, but with some comments from DDWG to be resolved.

Task - Cartography

Team leads: C. Isbell, E. Rye, R. Joyner

Short Description/Goals: Capture planetary cartography requirements and definitions across disciplines and projects. Produce a cross-discipline Cartography dictionary compliant with the PDS4 IM.

Schedule (Major milestones):

Done - Initiated Federal Geographic Data Committee (FGDC) based model, completed initial testing & sample product labels, extended FGDC model for Planetary (v1.2.0.0), presented status to IPDA, requested initial internal review, with additional extensions for v1.4.0.0

Recent - Actively working on additional LDD updates: add latitude_type, move spheroid_name & reference_frame (to GEOM), add/update scale/resolution attributes & descriptions.

Next – Continue weekly review/testing, coordinate with GEOM, update/ add attributes & enumeration.

Oct 2015 - Complete current review, implement updates

Late Oct 2015 – Release operational version (expect additional adjustments per wider use)

Task – PDS4/NSSDCA Interface

Team lead and members: McLaughlin, Bell, McCaslin, Kodis, Hughes, Hardman, Joyner, Guinness, Huber, Isbell, King, Raugh

Short Description & Goals: Develop an interface for transferring PDS4 data to the NSSDCA deep archive

• Automate deliveries; eliminate multiple ingests of products

• Provide the ability to return basic products, collections and bundles from the deep archive; report on those entities

• Perform data integrity checks

Schedule (Major milestones)

Ongoing – Revising NSSDCA's PDS4 ingest process and data model to make more extensive use of product inventories; Testing functionality of sample Submission Information Packages (SIPs) generated by EN and addressing issues.

Oct:Nov – Draft guidelines for generating SIPs and present to Nodes; Finish revising PDS4 ingest process and data model and complete testing with suitable SIPs.

Dec:Feb – Ingest suitable SIPs using PDS4 data model; Fine tune procedures.

Task - Document Improvement - 1

Team members: D. Simpson, M. Gordon, R. Joyner

Short Description: Address issues associated with the PDS4 Data Standards documents.

Goals: Consistent data standard documents and information model.

Schedule (ongoing work):

- Support Documents – Planned Reviews and Updates
  - *PDS4 Concepts* document (revised, posted for v1.4)
    - Glossary (included in above)
    - DD Tutorial (included in above)

Task- Document Improvement - 2

- *Standards Reference* (revised, posted for v1.4)
  - Comments from IPDA expected, but timing unknown
- *Data Providers' Handbook* (in progress)
  - Rewritten for v1.4
  - Because of delay, may be synchronized with v1.5
  - Needs *DPH Examples*
- *DPH Examples* (in progress)
  - Needs to be coordinated with *DPH* (v1.4 and/or 1.5?)

Other Documents
- *Proposer's Archiving Guide*
  - needs improved cost estimate section

Documentation is becoming more difficult to maintain as more detail appears in Schematron files

Summary

- The DDWG telecons tend to be more focused on SCR and Task statuses.

- The primary purpose of the DDWG is to provide a forum for gaining consensus opinions from science discipline experts on how to resolve important and cross-cutting PDS4 issues.
  - Special teams are created to resolve the larger more difficult issues.
  - The DDWG as a whole is important for final review and if necessary a formal vote on recommending the SCR to the CCB.