

IPDA Meeting at Caltech

August 14, 2007

IPDA White Paper - Data Standards Project Deliverables*

- “The first of the four projects associated with the IPDA Archive Data Standards is underway with representations from NASA, ESA, JAXA/ISAS, RSA/IKI, and CNSA including R. Beebe, E. Guinness, D. Heather, M. Huang, Y. Kasaba, P. Osuna, E. Rye, V. Savorskiy, and S. Hughes. The project team is currently reviewing a set of use cases and preparing an initial set of requirements. Concurrently the team will be identifying PDS data formats either currently in use by the PSA or being considered for use by other agencies such as JAXA and the SELENE project. These will be included in an initial data model to be presented at the 2nd IPDA Steering Committee meeting in July.” - *Jan 2007*

Process

- High Level Use Cases/Requirements defined by IPDA Project Team (Jan - Mar)
- Data formats and data sets captured from PDS/PSA(Mar - May)
- Initial model (as starting point) defined using data formats (May - July)
 - Identified PDS 3 core
- Assessment (Aug - Jan 2008)
 - Discussion within the agencies regarding granular requirements
 - Agencies supply requirements to IPDA
- Draft IPDA model generated based on requirements (TBD) leveraging initial core, where possible

IPDA Meeting at Caltech

- Attendees from NASA, ESA, BNSC, JAXA, ASI, ISRO
- 4 Days
 - Monday, July 16: Splinter on Data Standards and Interoperability
 - Tuesday, July 17 & 18: Steering Committee Meeting
 - Vote on charter
 - Nominate new chair
 - Report on archiving activities
 - Report on current projects
 - Review proposed projects
 - Plan COSPAR meeting
 - Thursday, July 19: Wrap up splinter/reporting writing



Key IPDA Projects Identified

- IPDA Requirements
- Data Standards Assessment
- Interoperability Assessment
- Query Model Definition

Data Standards Assessment

- Identify additional requirements for the IPDA data model derived from the IPDA Requirements documents and MOMs.
- Assess the current data model against the "existing" data model requirements document.
- Deliver updated Data Model Requirements Document
- Produce comments to improve structure and documentation of the model
 - For example, is UML a useful way to document the model
 - Is the data model documentation organized in a useful manner

Access to IPDA Information

- New user added to IPDA webpage for PDS MC
- Located at: <http://planetarydata.org>
- User Information
 - User: pdsmc
 - Password: council
- Project and Meetings tabs will show
- Documents that were password protected will show
- Joe Zender transitioning website responsibilities to Maria Teresa

Backup

PDS 4

- PDS define goals and requirements for PDS 4
 - Consensus within PDS
 - High level set submitted to IPDA during the assessment period
- PDS volunteer to take lead on organizing relationship between the IPDA and PDS4 models
 - This would come after the assessment period

“Systems” Approach

- Capture Current State
- Define Future State
- Define Transition Plan