Title: IPDA Assessment of PDS4 Data Standards

Proposed by: Steering Committee

Project Status: Startup

Team Leader: Steve Hughes

Team Members: Thomas Roatsch, Dave Heather, B. Gopala Krishna, Iku Shinohara, Peter Allan, Maria Teresa Capria, Thomas Stein, Alain Sarkissian, Jesus Salgado

Field: System Engineering

Description: The IPDA Steering Committee feels that it is important to initiate a project to review and comment on the PDS4 data standards effort with a view toward identifying elements to be promoted to the international level. The project should also make suggestions for improving the standards for use in the global planetary science community. A key goal of this project is to identify elements that should be assigned to an International namespace. A registration authority and stewards for the elements in this namespace should be proposed. This project should also feel free to make recommendations for changes or additions to the PDS4 data standards. The PDS4 development team is currently six months into an 18 month development cycle and has requested review and comment by the larger planetary science community.

Requirements:

- IPDA Level 1/2 requirements
- IPDA Data Model Requirements.
- PDS4 Requirements

Risks: High –IPDA data standards.

Timescale: Start immediately
End 7/2010

31-Jul-2009 - Project and Project Members defined.
1-Sep-2009 - Draft PDS4 data standards made accessible for review.
- Start monthly telecons – Present PDS4 tutorial then start review.
1-Feb-2010 - Draft set of elements to be assigned to an international namespace Documented.
Assessment matrix containing set of recommendations for changes or additions created.
1-Mar-2010 - Final Reports written.

- Immediately start follow-on project to create draft IPDA Data Standards documents.

1-Jul-2010 - Present assessment matrix and results to the IPDA Steering Committee

Deliverables:

1. Report containing identified elements for international namespace.
    - Archive Information Model
    - Query Parameters
2. Proposed process for maintaining IPDA and agency data standards alignment.
3. Assessment matrix containing recommendations for PDS4 data standards.
    - Information Model
    - Data Dictionary Model
    - Query Parameters
    - Standards Reference

4. Follow-on Project – Draft IPDA Data Standards Document

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