

Title: IPDA Query Language

16-November-2011

Updated:

Proposed by: Steering Committee

Project Status: Continuing

Team Leader: S. Hughes

Team Members: P. Osuna, J. Salgado

Field: System Engineering

Description: The IPDA Steering Committee feels that it is important to continue the project to define an IPDA Query Language that is compatible with the capabilities of the PDS and PSA data models. At the 2011 Steering Committee meeting an evaluation of various query languages including those from Apache SOLR was performed primarily with respect to the needs of PDS4. It was suggested that the resulting sample syntax be expanded to become an IPDA query language.

Requirements:

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

Risks: High –IPDA data standards.

Timescale: Start 9/2011
End 7/2012

17-Feb-2012 – Determine the complexity of planetary science product searches.

01-Apr-2012 – Determine mechanism for extending PDAP protocol

01-Jun-2012 - Final reports and tutorial information written and distributed.

01-Jul-2012 - Present results to the IPDA Steering Committee

Deliverables:

- 1) Report on the complexity planetary science product searches.
- 2) Example searches and results.
- 3) Suggested extensions to the PDAP protocol.

Contact Information: