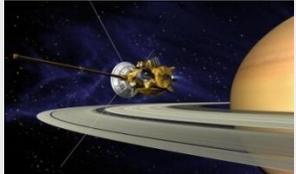# International Planetary Data Alliance

IPDA New Projects

Projects proposed on July 2008 .IPDA

Title: *IPDA Documentation Requirements : archiving text files written without using alphabetical characters*
Proposed by: Steering Committee
Project Status:
Team Leader:
Team Members:
Field: Requirements

Description:
Adequate, complete and clear documentation is an essential part of any data archive. Historically the requirements for documentation, for example the PDS documentation requirements, allowed only a few types of files that were based on the ASCII character set. These requirements now need to be changed to meet the necessities of a wider, truly international community. To this end, it is desirable to allow non-ASCII characters sets, for example Chinese.

Projects proposed on July 2008 .IPDA

Title: *IPDA Documentation Requirements : archiving text files written without using alphabetical characters*

Requirements:
Analyse the problem
Identify the level-1 and level-2 requirements.
Propose a solution

Risks:

Schedule:

Deliverables: IPDA Documetation Requirements Document, containing level1 and level2 requirements.

Projects proposed on July 2008

Title: *IPDA Documentation Requirements : archiving algorithms*
Proposed by: Steering Committee
Project Status:
Team Leader:
Team Members:
Field: Requirements

Description:

The PDS standards currently allow software source code to be included in its archive. The source code and documentation can be extremely useful to the user. However how the software was used in relation to a data set, for example production, is not always clear. A better approach is to archive the algorithms. To this end, a formal way to describe an algorithm and a document format in which to archive the description should be defined.

Projects proposed on July 2008

Title: *IPDA Documentation Requirements : archiving algorithms*

Requirements:
 analyse the problem
Identify the level-1 and level-2 requirements.
Propose a representation scheme
Propose a format to archive an algorithm
 Risks:
 Schedule:
 Deliverables:
IPDA Documetation Requirements Document, containing level1 and level2 requirements.
A document describing the representation scheme

Projects proposed on July 2008

.IPDA

Title: *IPDA Documentation Requirements : proprietary data formats*
Proposed by: Steering Committee
Project Status:
Team Leader:
Team Members:
Field: Requirements

Description:

Information that is very useful or even critical for a data archive is often captured in propietary data formats. Examples include IDL software codes, compressed files, figures, and word documents. Since data formats often become obsolete the information in these formats could become very difficult to retrieve as the supporting software disappears. The use of « proprietary data formats » should be discussed and recommendations written to minimize the possible loss of archived information.

Projects proposed on July 2008

Title: *IPDA Documentation Requirements : proprietary data formats*

Requirements :

Analyse the problem
Propose solution

Risks:

Schedule:

Deliverables: recommendations