

# Standards Change Request

Update REFERENCE\_DESC Format to Handle DOIs

SCR 3-1146.v1

## Provenance:

### Submitted

Date: 2009-05-15

Author: A. Raugh

### Draft v1

Date: 2009-05-15

Author(s): A. Raugh (SBN)

Working Group: A. Raugh (lead), Elizabeth Rye (EN), Patty Garcia (Imaging), Ray Walker (PPI), Sue Slavney (Geo), Steve Hughes (EN), Disk Simpson (RS)

## Problem:

The original problem was reported when REFFIND, a routine used in validating REFERENCE objects before they are ingested into the EN central catalog, failed to find the year of publication because it did not appear at the end of the reference. A Document Object Identifier (DOI) was listed at the end instead.

Subsequent research has determined that there are conflicting reference formatting standards listed in the Standards Reference and the PSDD entry for the REFERENCE\_DESC element: The former requires the date of publication at the end, the latter could lead a reasonable user to place the year immediately following the author list.

It is also true that inclusion/placement of DOIs in the REFERENCE\_DESC text is not included in our current Standards Reference.

## Current Urgency:

Lo.

## Proposed Solution:

- Remove all references to "JGR format" from the PSDD description of REFERENCE\_DESC.
- Remove all reference to "AGU format" from the Standards Reference (because AGU format no longer places the year of publication at the end). I believe this is

limited to Section B.32.

- Add DOI to the description of reference format in Section B.32 of the Standards Reference, placing it before the year of publication.

#### Additional Considerations:

The REFFIND software provides some useful sanity-checking on REFERENCE objects, and so it is preferable that we maintain the existing PDS reference format, which places the year of publication at the end where it can be reliably located and parsed. This no longer corresponds to the AGU style sheet.

Consequently, the DOI should be located prior to the year of publication. To help in identifying DOIs when they exist, we recommend preceding DOIs with the tag “DOI:”, and placing them immediately before the year of publication.

Since DOIs are unique, permanent identifiers, we should encourage users to provide them where they are available; but DOI generation is not yet at a stage where we can require them in all REFERENCE objects.

#### **Impact Assessment:**

PDS Standards Reference – 1 hour to edit text

Archive Preparation Guide – [research required]

Proposer’s Archive Guide – [research required]

Planetary Science Data Dictionary – 1 hour to edit

PDS tools – No impact to effect the change. REFFIND failures should be decreased, at least among conscientious data preparers. The proposed addition of DOIs is designed to avoid unintended REFFIND failures when DOIs are included.

#### **Additional Information:**

None at this time.

#### **Requested Changes:**

Modifications to be detailed.