

Standards Change Request

Update PSDD to list the correct required and optional sub-objects for the CATALOG object **SCR3-1121.v1**

Provenance:

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Problem:

The definition for the CATALOG object in the PDS Data Dictionary includes SOFTWARE and REFERENCE as required sub-objects. Section A.5 of the Standards Reference lists REFERENCE as an optional sub-object of CATALOG, and does not mention SOFTWARE at all.

Current Urgency:

For VTool to work properly with CATALOG objects this correction needs to be made.

Proposed Solution:

- 1) Modify A.5 of PDS SR to include SOFTWARE as an optional sub-object of CATALOG.
- 2) Modify the PSDD CATALOG object definition to list SOFTWARE and REFERENCE as optional, not required, sub-objects.

Impact Assessment:

Impact on existing data sets and tools should be minimal since this change is to bring the PSDD in line with current usage and with the PDS SR.

Documentation

The PDS Standards Reference section A.5 needs to be modified to include SOFTWARE as an optional object. The PSDD then needs to be modified to correct the CATALOG object definition to match A.5, by moving SOFTWARE and REFERENCE from the required sub-objects list to the optional sub-objects list.

Interface

No impact foreseen.

Legacy Data and Software

No impact foreseen.

Interagency

Should not impact ESA's PVV tool as it uses the PSDD CATALOG object definition.

Additional Information:

N/A.

Requested Changes:

PDS Standards Reference

In section A.5 "CATALOG", add SOFTWARE to the list of Optional Objects (Section A.5.4).

Planetary Science Data Dictionary and PDSDD.FULL

In the GENERIC_OBJECT_DEFINITION for CATALOG, move REFERENCE and SOFTWARE from the REQUIRED_OBJECT_SET to the OPTIONAL_OBJECT_SET in order to match the lists in A.5 of the PDS SR.