

Standards Change Request

Fix bad OBJECT_CLASSIFICATION_TYPEs in PSDD

SCR3-1131.v1

Provenance:

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Problem:

Three new objects and a group have been added to the PSDD in recent years that have had poorly assigned OBJECT_CLASSIFICATION_TYPE values. These values are used to determine which objects should be used to populate Appendix D, “PDS Structure Objects”, of the PDF version of the PSDD. This SCR proposes to update the OBJECT_CLASSIFICATION_TYPE of these objects and the group.

Current Urgency:

The production of the PDF version of the PSDD is waiting on these corrections, among others.

Proposed Solution:

The OBJECT_CLASSIFICATION_TYPE of the three objects should be updated to “SYSTEM”. The group should be updated to “PRODUCT CATALOG”.

Impact Assessment:

There should be no impact from these changes on any ongoing mission.

PDS Standards Reference – no impact

Archive Preparation Guide – no impact

Proposer’s Archive Guide – no impact

Planetary Science Data Dictionary – changes as specified below

PDS tools – no impact (except enabling correct performance of gen_PSDD_pdf.pl)

Additional Information:

None.

Requested Changes:

Change the OBJECT_CLASSIFICATION_TYPE for the DATA_SET_HOUSEKEEPING object from "STRUCTURE" to "SYSTEM".

Change the OBJECT_CLASSIFICATION_TYPE for the DATA_SET_RELEASE object from "STRUCTURE" to "SYSTEM".

Change the OBJECT_CLASSIFICATION_TYPE for the PARAMETERS group from "STRUCTURE" to "PRODUCT CATALOG".

Change the OBJECT_CLASSIFICATION_TYPE for the RESOURCE_INFORMATION object from "STRUCTURE" to "SYSTEM".

The updated object definition templates for these objects have been attached. Changes are highlighted in red.

```

PDS_VERSION_ID          = PDS3

OBJECT                   = OBJECT_DEFINITION
  NAME                   = "data_set_housekeeping"
  TERSE_NAME             = "dshousekeep"
  STATUS_TYPE            = "PENDING"
  SOURCE_NAME            = "PDS-EN"
  OBJECT_TYPE            = "GENERIC"
  OBJECT_CLASSIFICATION_TYPE = "SYSTEM"
  DESCRIPTION            = "

```

The DATA_SET_HOUSEKEEPING object is used to submit information about the resources (e.g. web pages, data set browsers etc) associated with a particular data set. These resources are used to select and download data products or other files associated with the data set."

```

OBJECT                   = OBJECT_HIER
  SUBOBJECT_NAME        = "resource_information"
  REQUIRED_FLAG          = "Y"
END_OBJECT              = OBJECT_HIER

OBJECT                   = OBJECT_ELEMENT
  ELEMENT_NAME          = "curating_node_id"
  REQUIRED_FLAG          = "Y"
END_OBJECT              = OBJECT_ELEMENT

OBJECT                   = OBJECT_ELEMENT
  ELEMENT_NAME          = "data_set_id"
  REQUIRED_FLAG          = "Y"
END_OBJECT              = OBJECT_ELEMENT

STATUS_NOTE             = "V1.1 2005-05-12 JHO/PDS-EN; 2008-02-22
                          EDR/PDS-EN Changed objclasstype."
END_OBJECT              = OBJECT_DEFINITION
END

```

```

PDS_VERSION_ID          = PDS3

OBJECT                   = OBJECT_DEFINITION
  NAME                   = "data_set_release"
  TERSE_NAME             = "dsrelease"
  STATUS_TYPE            = "PENDING"
  SOURCE_NAME            = "PDS-EN"
  OBJECT_TYPE            = "GENERIC"
  OBJECT_CLASSIFICATION_TYPE = "SYSTEM"
  DESCRIPTION            = "

```

The DATA_SET_RELEASE object provides information on the release of a data set or portion of a data set being made available for online access."

```

OBJECT                   = OBJECT_ELEMENT
  ELEMENT_NAME           = "archive_status"
  REQUIRED_FLAG           = "Y"
END_OBJECT               = OBJECT_ELEMENT

OBJECT                   = OBJECT_ELEMENT
  ELEMENT_NAME           = "data_provider_name"
  REQUIRED_FLAG           = "Y"
END_OBJECT               = OBJECT_ELEMENT

OBJECT                   = OBJECT_ELEMENT
  ELEMENT_NAME           = "data_set_id"
  REQUIRED_FLAG           = "Y"
END_OBJECT               = OBJECT_ELEMENT

OBJECT                   = OBJECT_ELEMENT
  ELEMENT_NAME           = "description"
  REQUIRED_FLAG           = "Y"
END_OBJECT               = OBJECT_ELEMENT

OBJECT                   = OBJECT_ELEMENT
  ELEMENT_NAME           = "distribution_type"
  REQUIRED_FLAG           = "Y"
END_OBJECT               = OBJECT_ELEMENT

OBJECT                   = OBJECT_ELEMENT
  ELEMENT_NAME           = "product_type"
  REQUIRED_FLAG           = "Y"
END_OBJECT               = OBJECT_ELEMENT

OBJECT                   = OBJECT_ELEMENT
  ELEMENT_NAME           = "release_date"
  REQUIRED_FLAG           = "Y"
END_OBJECT               = OBJECT_ELEMENT

OBJECT                   = OBJECT_ELEMENT
  ELEMENT_NAME           = "release_id"
  REQUIRED_FLAG           = "Y"
END_OBJECT               = OBJECT_ELEMENT

OBJECT                   = OBJECT_ELEMENT
  ELEMENT_NAME           = "release_medium"
  REQUIRED_FLAG           = "Y"

```

```
END_OBJECT                = OBJECT_ELEMENT

OBJECT                    = OBJECT_ELEMENT
  ELEMENT_NAME            = "release_parameter_text"
  REQUIRED_FLAG            = "Y"
END_OBJECT                = OBJECT_ELEMENT

STATUS_NOTE              = "V1.1 2005-05-12 JHO/PDS-EN; 2008-02-22
                           EDR/PDS-EN Changed objclasstype "
END_OBJECT                = OBJECT_DEFINITION
END
```

```

PDS_VERSION_ID          = PDS3

OBJECT                   = OBJECT_DEFINITION
  NAME                   = "parameters"
  TERSE_NAME             = "parameters"
  STATUS_TYPE            = "PENDING"
  SOURCE_NAME            = "PDS IMG/E. RYE"
  OBJECT_TYPE            = "GENERIC_GROUP"
  OBJECT_CLASSIFICATION_TYPE = "PRODUCT CATALOG"
  DESCRIPTION            = "

```

The parameters group provides a mechanism for Grouping multiple sets of related parameters within a data product label."

```

OBJECT                   = OBJECT_ELEMENT
  ELEMENT_NAME           = "psdd"
  REQUIRED_FLAG           = "N"
END_OBJECT              = OBJECT_ELEMENT

OBJECT                   = OBJECT_ALIAS
  ALIAS_NAME             = "parms"
  USAGE_NOTE             = "Used as an abbreviated form of
                           PARAMETERS."
END_OBJECT              = OBJECT_ALIAS

STATUS_NOTE             = "V1.0 2002-01-01 New Group Object
                           Definition; 2008-02-22 EDR/PDS-EN
                           Changed objclasstype "
END_OBJECT              = OBJECT_DEFINITION
END

```

```

PDS_VERSION_ID          = PDS3

OBJECT                   = OBJECT_DEFINITION
  NAME                   = "resource_information"
  TERSE_NAME             = "resinformati"
  STATUS_TYPE            = "PENDING"
  SOURCE_NAME            = "PDS-EN"
  OBJECT_TYPE            = "GENERIC"
  OBJECT_CLASSIFICATION_TYPE = "SYSTEM"
  DESCRIPTION            = "

```

The RESOURCE_INFORMATION object is used to submit information about each of the resources (e.g. web pages, ftp sites, data set browsers) that may be used used to select and download data products or other files associated with the data set. The RESOURCE_INFORMATION object is repeated for each resource associated with the data set."

```

OBJECT                   = OBJECT_ELEMENT
  ELEMENT_NAME           = "description"
  REQUIRED_FLAG            = "Y"
END_OBJECT              = OBJECT_ELEMENT

OBJECT                   = OBJECT_ELEMENT
  ELEMENT_NAME           = "resource_class"
  REQUIRED_FLAG            = "Y"
END_OBJECT              = OBJECT_ELEMENT

OBJECT                   = OBJECT_ELEMENT
  ELEMENT_NAME           = "resource_id"
  REQUIRED_FLAG            = "Y"
END_OBJECT              = OBJECT_ELEMENT

OBJECT                   = OBJECT_ELEMENT
  ELEMENT_NAME           = "resource_link"
  REQUIRED_FLAG            = "Y"
END_OBJECT              = OBJECT_ELEMENT

OBJECT                   = OBJECT_ELEMENT
  ELEMENT_NAME           = "resource_name"
  REQUIRED_FLAG            = "Y"
END_OBJECT              = OBJECT_ELEMENT

OBJECT                   = OBJECT_ELEMENT
  ELEMENT_NAME           = "resource_status"
  REQUIRED_FLAG            = "Y"
END_OBJECT              = OBJECT_ELEMENT

STATUS_NOTE              = "V1.1 2005-05-12 JHO/PDS-EN; 2008-02-22
                           EDR/PDS-EN Changed objclasstype "
END_OBJECT              = OBJECT_DEFINITION
END

```

