

Standards Change Request

Remove Formation Rule from DATA_SET_LOCAL_ID Definition

SCR3-1159.v1

Provenance:

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Problem:

SCR 3-1145 was intended to clean up residual errors not captured in the change request when SCR 3-1144 was passed (allowing file names up to 36.3). One of the residual errors was that definition of DATA_SET_LOCAL_ID included a formation rule phrased in terms of 8.3 file names. Several within the Tech Group objected that the DATA_SET_LOCAL_ID correction was too far removed from the 'file name length' issue and should not be included in SCR 3-1145; instead a separate SCR should be submitted.

Current Urgency:

Medium.

Proposed Solution:

Remove the formation rule from the definition of DATA_SET_LOCAL_ID.

Impact Assessment:

PDS Standards Reference -- no impact

Archive Preparation Guide -- no impact

Proposer's Archive Guide -- no impact

Planetary Science Data Dictionary – The formation rule must be removed from the full element definition object for the DATA_SET_LOCAL_ID keyword. The formation rule does not appear in pdsdd.full, but it does appear in the on-line Data Dictionary. Presumably the latter will be updated when the next version of the source file is released.

PDS tools – no impact

Existing archives -- no impact

Additional Information:

Anne Raugh says that DATA_SET_LOCAL_ID was added to the Data Dictionary by the Small Bodies Node. At the time, there was no formation rule; she does not know when or how the formation rule was included and would prefer that it be removed.

Requested Changes:

The text to be removed from the definition is highlighted in red and crossed out.

```
PDS_VERSION_ID          = PDS3
LABEL_REVISION_NOTE     = "NULL"

OBJECT                  = ELEMENT_DEFINITION
  ELEMENT_NAME          = "data_set_local_id"
  BL_NAME               = "dslocalid"
  DESCRIPTION           = "
```

The DATA_SET_LOCAL_ID element provides a short (of order 3 characters) acronym used as the local ID of a data set (Example value: IGLC). It may also appear as the first element of file names from a particular DATA_SET (Example value: IGLCINDX.LBL)."

```
GENERAL_DATA_TYPE      = "CHARACTER"
MAXIMUM                = "N/A"
MINIMUM                = "N/A"
MAXIMUM_LENGTH         = "8"
MINIMUM_LENGTH         = "N/A"
STANDARD_VALUE_TYPE    = "SUGGESTED"
STANDARD_VALUE_SET_DESC = ""
KEYWORD_DEFAULT_VALUE  = ""
UNIT_ID                = "none"
SOURCE_NAME            = "PDS SBN/A. Raugh"
FORMATION_RULE_DESC    = "
```

~~The DATA_SET_LOCAL_ID should follow the filename formation rules. That is, it must be a string of no more than 8 characters (the maximum valid length for a filename), and must consist of alphanumeric characters, hyphens and underscores (A-Z, a-z, 0-9, -, _)."~~

```
SYSTEM_CLASSIFICATION_ID = "PDS_SBN"
GENERAL_CLASSIFICATION_TYPE = "DATASET"
CHANGE_DATE              = ""
STATUS_TYPE              = "APPROVED"
STANDARD_VALUE_OUTPUT_FLAG = "N"
TEXT_FLAG                = "N"
TERSE_NAME               = "dslocalid"
SQL_FORMAT               = "CHAR(8)"
BL_SQL_FORMAT            = "char(8)"
DISPLAY_FORMAT           = "JUSTLEFT"
AVAILABLE_VALUE_TYPE     = ""
END_OBJECT               = ELEMENT_DEFINITION
END
```