

Standards Change Request

Increase length of SOURCE_PRODUCT_ID keyword

SCR3-1083.v3

Provenance:

Date: 2006-08-18, revised 2007-03-09
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Problem:

Labels in the MRO CRISM data set will have SOURCE_PRODUCT_ID values that are longer than the current limit of 40 characters. In particular, the source products identified are SPICE kernel file names. NAIF (Boris) says this is not unusual -- there have been SPICE file names as long as 53 characters. (NAIF converts them to 27.3 for archiving -- but these converted names will not be available at the time the CRISM labels are created.)

Current Urgency:

Priority is high. This change is needed for the first MRO delivery to PDS in June 2007.

Proposed Solution:

Increase the maximum length of the SOURCE_PRODUCT_ID keyword to 76 characters.

Impact Assessment:

The impact should be low. The Data Dictionary will need to be modified to change the maximum length in the definition of SOURCE_PRODUCT_ID.

Additional Information:

N/A

Requested Changes:

An updated element definition for SOURCE_PRODUCT_ID has been submitted.

PDS_VERSION_ID = PDS3
 LABEL_REVISION_NOTE = "3/9/07 GEO:shs Revised"
 max length = 76"

OBJECT = ELEMENT_DEFINITION
 ELEMENT_NAME = "source_product_id"
 BL_NAME = "sourceprodid"
 DESCRIPTION = "

The source_product_id data element identifies a product used as input to create a new product. The source_product_id may be based on a file name. See also: product_id.

Note: For Mars Pathfinder, this refers to the filenames of the SPICE kernels used to produce the product and its ancillary data."

GENERAL_DATA_TYPE = "CHARACTER"
 MAXIMUM = "N/A"
 MINIMUM = "N/A"
 MAXIMUM_LENGTH = "76"
 MINIMUM_LENGTH = "N/A"
 STANDARD_VALUE_TYPE = "NONE"
 STANDARD_VALUE_SET_DESC = ""
 KEYWORD_DEFAULT_VALUE = ""
 UNIT_ID = "none"
 SOURCE_NAME = "PDS CN/M. Cribbs"
 FORMATION_RULE_DESC = ""
 OBJECT = ELEMENT_ALIAS
 ALIAS_NAME = "spice_file_name"
 OBJECT_NAME = "file"
 USAGE_NOTE = ""
 END_OBJECT = ELEMENT_ALIAS

OBJECT = ELEMENT_ALIAS
 ALIAS_NAME = "source_image_id"
 OBJECT_NAME = "image"
 USAGE_NOTE = ""
 END_OBJECT = ELEMENT_ALIAS

SYSTEM_CLASSIFICATION_ID = "COMMON"
 GENERAL_CLASSIFICATION_TYPE = "DATASET"
 CHANGE_DATE = "1992-07-10"
 STATUS_TYPE = "APPROVED"
 STANDARD_VALUE_OUTPUT_FLAG = "N"
 TEXT_FLAG = "N"
 TERSE_NAME = ""
 SQL_FORMAT = "CHAR(76)"
 BL_SQL_FORMAT = "char(76)"
 DISPLAY_FORMAT = "JUSTLEFT"

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    AVAILABLE_VALUE_TYPE      = ""
END_OBJECT                   = ELEMENT_DEFINITION
END
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