

## Standards Change Request

**Change STANDARD\_VALUE\_TYPE for INSTRUMENT\_MODE\_ID to SUGGESTED.**

### Provenance:

Date: 2009-01-13

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### Problem:

INSTRUMENT\_MODE\_ID has a standard value type (STANDARD\_VALUE\_TYPE) of DYNAMIC which requires PDS approval for changes.

The definition of INSTRUMENT\_MODE\_ID is: "The instrument\_mode\_id element provides an instrument-dependent designation of operating mode. This may be simply a number, letter or code, or a word such as 'normal', 'full resolution', 'near encounter', or 'fixed grating'."

Currently in the data dictionary are many values such as: IM1 and XXXXXH. There would appear to be very little merit in requiring formal approval for these types of values and with each mission and instrument a batch of new ones must be added because there is very little reusability of the ones already approved.

This SCR proposes changing the standard value type of this keyword to SUGGESTED.

### Current Urgency:

Medium. MRO has a number of new standard values for this keyword (examples: SS11, SS13, SS19). These of course cause validation software errors.

### Proposed Solution:

Change the standard value type of this keyword to SUGGESTED. This would include removing the current list of values from the on-line version of the PDSDD. Since the definition allows such obscure values as "a number" or "letter", it makes little sense to require approval beyond the instrument team and discipline node.

### Impact Assessment:

PDS Standards Reference -- no impact

Archive Preparation Guide -- no impact

Proposer's Archive Guide -- no impact

Planetary Science Data Dictionary – will need to change the STANDARD\_VALUE\_TYPE value for this keyword to SUGGESTED.

PDS tools -- no impact

Existing archives -- no impact

### Additional Information:

(none)

### Requested Changes:

Update the Planetary Science Data Dictionary as follows:

```
PDS_VERSION_ID          = PDS3
LABEL_REVISION_NOTE     = "1992-03-25; 2009-01-14, update
Stdvaltype to SUGGESTED
```

```
OBJECT                  = ELEMENT_DEFINITION
  ELEMENT_NAME          = "instmodeid"
  BL_NAME               = "instmodeid"
  DESCRIPTION           = "
```

The instrument\_mode\_id element provides an instrument-dependent designation of operating mode. This may be simply a number, letter or code, or a word such as 'normal', 'full resolution', 'near encounter', or 'fixed grating'.

```
  GENERAL_DATA_TYPE     = "IDENTIFIER"
  MAXIMUM               = "N/A"
  MINIMUM               = "N/A"
  MAXIMUM_LENGTH        = "20"
  MINIMUM_LENGTH        = "N/A"
  STANDARD_VALUE_TYPE   = "SUGGESTED"
  STANDARD_VALUE_SET_DESC = "N/A"
  KEYWORD_DEFAULT_VALUE = "N/A"
  UNIT_ID               = "none"
  SOURCE_NAME           = " "
  FORMATION_RULE_DESC   = "N/A"
  STANDARD_VALUE_SET_DESC = "N/A"
  SYSTEM_CLASSIFICATION_ID = "COMMON"
  GENERAL_CLASSIFICATION_TYPE = "INSTRUMENT"
  CHANGE_DATE           = "2009-01-14"
  STATUS_TYPE           = "APPROVED"
  STANDARD_VALUE_OUTPUT_FLAG = "N"
  TEXT_FLAG             = "N"
  TERSE_NAME            = "instmodeid"
  SQL_FORMAT            = "CHAR(20)"
  BL_SQL_FORMAT         = "char(20)"
  DISPLAY_FORMAT        = "JUSTLEFT"
  AVAILABLE_VALUE_TYPE  = "N"
END_OBJECT             = ELEMENT_DEFINITION
END
```

