

Standards Change Request

Add Std Vals for MGN Bistatic Radar and Cassini Orbiter

SCR3-1139.v1

Provenance:

Date: 2008-09-11

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Problem:

Ongoing archiving of the Magellan Bistatic Radar and Cassini Orbiter ISS data requires the addition of several new standard values to existing keywords. The three affected keywords all have a standard value type of DYNAMIC which requires PDS approval for changes. This SCR proposes changing the standard value type of one of the keywords to SUGGESTED.

Current Urgency:

High, due to imminent close of MGN Bistatic Radar peer review.

Proposed Solution:

The addition of the following standard values to the specified keywords is requested:

FACILITY_NAME = "VEX RS STANFORD UNIVERSITY ELEMENT"

FACILITY_NAME = "CASSINI IMAGING CENTRAL LABORATORY FOR OPERATIONS"

INSTITUTION_NAME = "SPACE SCIENCE INSTITUTE"

INSTITUTION_NAME = "GERMAN AEROSPACE CENTER"

The Magellan Bistatic Radar team would like to utilize a standard value of "S" for the BAND_NAME keyword. Although the standard value type for this keyword is DYNAMIC, the keyword currently has no standard value list. We therefore request that the standard value type for this keyword be updated to SUGGESTED (which is more consistent with the use of this keyword since SCR3-1105) and that a sample standard value list be created, populated with the items drawn from the keyword description.

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 update the standard value lists for keywords FACILITY_NAME, INSTITUTION_NAME, and

BAND_NAME and the standard value type for BAND_NAME. The updated element definition objects are attached below.

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 = "2003-09-30, RS:simpson Revision;
2004-03-16, SLA, nix std vals, per RS, to allow other values;
2007-02-16 GEO:SHS Updated desc to permit non-spectral
values, increased max length to 50;
2008-09-11 RS:RAS Updated stdvaltype to SUGGESTED and re-introduced
std val list."

OBJECT = ELEMENT_DEFINITION
ELEMENT_NAME = "band_name"
BL_NAME = "bandname"
DESCRIPTION = "

BAND_NAME is the name given to a single band in a multi-band image or image cube. If the band is a spectral band, BAND_NAME refers to the associated spectral range; for example, RED, GREEN, BLUE, 415nm, 750nm, 900nm. Examples of names of non-spectral bands are 'Phase angle', 'Thermal inertia', 'Bolometric albedo', 'Latitude', 'Elevation in meters relative to MOLA'."

GENERAL_DATA_TYPE = "CHARACTER"
MAXIMUM = "N/A"
MINIMUM = "N/A"
MAXIMUM_LENGTH = "50"
MINIMUM_LENGTH = "0"
STANDARD_VALUE_TYPE = "SUGGESTED"
STANDARD_VALUE_SET_DESC = "N/A"
KEYWORD_DEFAULT_VALUE = "N/A"
UNIT_ID = "none"
SOURCE_NAME = "PDS GEO/SSLAVERY"
FORMATION_RULE_DESC = "N/A"
OBJECT = ELEMENT_STANDARD_VALUE
COLUMN_VALUE = "415NM"
COLUMN_VALUE_TYPE = "A"
COLUMN_VALUE_NODE_ID = ""
OUTPUT_FLAG = "Y"

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END_OBJECT = ELEMENT_STANDARD_VALUE

OBJECT = ELEMENT_STANDARD_VALUE
  COLUMN_VALUE = "750NM"
  COLUMN_VALUE_TYPE = "A"
  COLUMN_VALUE_NODE_ID = ""
  OUTPUT_FLAG = "Y"
END_OBJECT = ELEMENT_STANDARD_VALUE

OBJECT = ELEMENT_STANDARD_VALUE
  COLUMN_VALUE = "900NM"
  COLUMN_VALUE_TYPE = "A"
  COLUMN_VALUE_NODE_ID = ""
  OUTPUT_FLAG = "Y"
END_OBJECT = ELEMENT_STANDARD_VALUE

OBJECT = ELEMENT_STANDARD_VALUE
  COLUMN_VALUE = "BLUE"
  COLUMN_VALUE_TYPE = "A"
  COLUMN_VALUE_NODE_ID = "I"
  OUTPUT_FLAG = "Y"
END_OBJECT = ELEMENT_STANDARD_VALUE

OBJECT = ELEMENT_STANDARD_VALUE
  COLUMN_VALUE = "BOLOMETRIC ALBEDO"
  COLUMN_VALUE_TYPE = "A"
  COLUMN_VALUE_NODE_ID = ""
  OUTPUT_FLAG = "Y"
END_OBJECT = ELEMENT_STANDARD_VALUE

OBJECT = ELEMENT_STANDARD_VALUE
  COLUMN_VALUE = "ELEVATION IN METERS RELATIVE TO MOLA"
  COLUMN_VALUE_TYPE = "A"
  COLUMN_VALUE_NODE_ID = ""
  OUTPUT_FLAG = "Y"
END_OBJECT = ELEMENT_STANDARD_VALUE

OBJECT = ELEMENT_STANDARD_VALUE
  COLUMN_VALUE = "GREEN"
  COLUMN_VALUE_TYPE = "A"
  COLUMN_VALUE_NODE_ID = "I"
  OUTPUT_FLAG = "Y"
END_OBJECT = ELEMENT_STANDARD_VALUE

OBJECT = ELEMENT_STANDARD_VALUE
  COLUMN_VALUE = "LATITUDE"
  COLUMN_VALUE_TYPE = "A"
  COLUMN_VALUE_NODE_ID = ""
  OUTPUT_FLAG = "Y"
END_OBJECT = ELEMENT_STANDARD_VALUE

OBJECT = ELEMENT_STANDARD_VALUE
  COLUMN_VALUE = "PHASE ANGLE"
  COLUMN_VALUE_TYPE = "A"

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        COLUMN_VALUE_NODE_ID      = ""
        OUTPUT_FLAG                = "Y"
    END_OBJECT                    = ELEMENT_STANDARD_VALUE

    OBJECT                        = ELEMENT_STANDARD_VALUE
        COLUMN_VALUE                = "RED"
        COLUMN_VALUE_TYPE            = "A"
        COLUMN_VALUE_NODE_ID        = "I"
        OUTPUT_FLAG                = "Y"
    END_OBJECT                    = ELEMENT_STANDARD_VALUE

    OBJECT                        = ELEMENT_STANDARD_VALUE
        COLUMN_VALUE                = "THERMAL INERTIA"
        COLUMN_VALUE_TYPE            = "A"
        COLUMN_VALUE_NODE_ID        = "I"
        OUTPUT_FLAG                = "Y"
    END_OBJECT                    = ELEMENT_STANDARD_VALUE

    SYSTEM_CLASSIFICATION_ID      = "COMMON"
    GENERAL_CLASSIFICATION_TYPE    = "INSTRUMENT"
    CHANGE_DATE                    = "2008-09-11"
    STATUS_TYPE                    = "APPROVED"
    STANDARD_VALUE_OUTPUT_FLAG     = "Y"
    TEXT_FLAG                      = "N"
    TERSE_NAME                     = "bandname"
    SQL_FORMAT                     = "CHAR(50)"
    BL_SQL_FORMAT                  = "char(50)"
    DISPLAY_FORMAT                 = "JUSTLEFT"
    AVAILABLE_VALUE_TYPE           = "N"
    END_OBJECT                    = ELEMENT_DEFINITION
END

PDS_VERSION_ID                  = PDS3
LABEL_REVISION_NOTE             = "2007-10-09 RINGS:MKG Added SETI
INSTITUTE;
2008-09-11 RS:RAS Added VEX RS STANFORD UNIVERSITY ELEMENT;
2008-09-11 IMG:JMD Added CASSINI IMAGING CENTRAL LABORATORY FOR
OPERATIONS"

OBJECT                          = ELEMENT_DEFINITION
    ELEMENT_NAME                 = "facility_name"
    BL_NAME                      = "facilityname"
    DESCRIPTION                   = ""

The facility_name element identifies a department,
laboratory, or subsystem that exists within an institution."

    GENERAL_DATA_TYPE            = "CHARACTER"
    MAXIMUM                      = "N/A"
    MINIMUM                      = "N/A"
    MAXIMUM_LENGTH               = "60"
    MINIMUM_LENGTH               = "N/A"
    STANDARD_VALUE_TYPE          = "DYNAMIC"

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STANDARD_VALUE_SET_DESC	= ""
KEYWORD_DEFAULT_VALUE	= ""
UNIT_ID	= "none"
SOURCE_NAME	= "PDS CN/G. Woodward"
FORMATION_RULE_DESC	= ""
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "APPLIED COHERENT TECHNOLOGY CORPORATION"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "U"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "APPLIED PHYSICS LAB"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "U"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "ATMOSPHERES NODE"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "A"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "BRANCH OF ASTROGEOLOGY"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "I"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "CASSINI IMAGING CENTRAL LABORATORY FOR OPERATIONS"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "I"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "CENTER FOR SPACE RESEARCH"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= ""
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "DEPARTMENT OF ASTRONOMY"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "U"
OUTPUT_FLAG	= "Y"

END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "DEPARTMENT OF ATMOSPHERIC SCIENCES"
COLUMN_VALUE_TYPE	= ""
COLUMN_VALUE_NODE_ID	= ""
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "EARTH AND PLANETARY REMOTE SENSING LABORATORY"
COLUMN_VALUE_TYPE	= ""
COLUMN_VALUE_NODE_ID	= ""
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "GEOPHYSICS AND PLANETARY PHYSICS"
COLUMN_VALUE_TYPE	= ""
COLUMN_VALUE_NODE_ID	= ""
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "HERZBERG INSTITUTE OF ASTROPHYSICS"
COLUMN_VALUE_TYPE	= ""
COLUMN_VALUE_NODE_ID	= ""
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "KOSMOCHEMIE"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "U"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "LABORATORY FOR TERRESTRIAL PHYSICS"
COLUMN_VALUE_TYPE	= ""
COLUMN_VALUE_NODE_ID	= ""
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "LUNAR AND PLANETARY LABORATORY"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "U"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE

OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "MARS SPACE FLIGHT FACILITY"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "U"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "MGS RS REMOTE MISSION SUPPORT AREA"
COLUMN_VALUE_TYPE	= ""
COLUMN_VALUE_NODE_ID	= ""
OUTPUT_FLAG	= ""
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "MULTIMISSION IMAGE PROCESSING SUBSYSTEM"
COLUMN_VALUE_TYPE	= ""
COLUMN_VALUE_NODE_ID	= ""
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "NAVIGATION ANCILLARY INFORMATION FACILITY"
COLUMN_VALUE_TYPE	= ""
COLUMN_VALUE_NODE_ID	= ""
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "PDS DATA DISTRIBUTION LABORATORY"
COLUMN_VALUE_TYPE	= ""
COLUMN_VALUE_NODE_ID	= ""
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "PDS GEOSCIENCES NODE"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "U"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "PLANETARY DATA SYSTEM"
COLUMN_VALUE_TYPE	= ""
COLUMN_VALUE_NODE_ID	= ""
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE

COLUMN_VALUE	= "RADIO SCIENCE SYSTEMS GROUP"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "R"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "SETI INSTITUTE"
COLUMN_VALUE_TYPE	= ""
COLUMN_VALUE_NODE_ID	= "R"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "SPACE SCIENCE LABORATORY"
COLUMN_VALUE_TYPE	= ""
COLUMN_VALUE_NODE_ID	= ""
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "TES OPERATIONS FACILITY"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "U"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "THE BLACKETT LABORATORY"
COLUMN_VALUE_TYPE	= ""
COLUMN_VALUE_NODE_ID	= ""
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "VEX RS STANFORD UNIVERSITY ELEMENT"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "R"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
SYSTEM_CLASSIFICATION_ID	= "COMMON"
GENERAL_CLASSIFICATION_TYPE	= "PERS"
CHANGE_DATE	= "2008-09-11"
STATUS_TYPE	= "APPROVED"
STANDARD_VALUE_OUTPUT_FLAG	= "Y"
TEXT_FLAG	= "N"
TERSE_NAME	= "NULL"
SQL_FORMAT	= "CHAR(60)"
BL_SQL_FORMAT	= "char(60)"
DISPLAY_FORMAT	= "JUSTLEFT"
AVAILABLE_VALUE_TYPE	= "N"
END_OBJECT	= ELEMENT_DEFINITION

END

PDS_VERSION_ID = PDS3
LABEL_REVISION_NOTE = "2007-10-09 RINGS:MKG Added SETI
INSTITUTE;
2008-09-11 IMG:JMD Added GERMAN AEROSPACE CENTER and SPACE SCIENCE
INSTITUTE"

OBJECT = ELEMENT_DEFINITION
ELEMENT_NAME = "institution_name"
BL_NAME = "instnname"
DESCRIPTION = "

The institution_name element identifies a university,
research center, or NASA center."

GENERAL_DATA_TYPE = "CHARACTER"
MAXIMUM = "N/A"
MINIMUM = "N/A"
MAXIMUM_LENGTH = "60"
MINIMUM_LENGTH = "N/A"
STANDARD_VALUE_TYPE = "DYNAMIC"
STANDARD_VALUE_SET_DESC = ""
KEYWORD_DEFAULT_VALUE = ""
UNIT_ID = "none"
SOURCE_NAME = "PDS CN/G. Woodward"
FORMATION_RULE_DESC = ""
OBJECT = ELEMENT_STANDARD_VALUE
COLUMN_VALUE = "APPLIED COHERENT TECHNOLOGY"
COLUMN_VALUE_TYPE = "A"
COLUMN_VALUE_NODE_ID = "U"
OUTPUT_FLAG = "Y"
END_OBJECT = ELEMENT_STANDARD_VALUE

OBJECT = ELEMENT_STANDARD_VALUE
COLUMN_VALUE = "ARIZONA STATE UNIVERSITY"
COLUMN_VALUE_TYPE = "A"
COLUMN_VALUE_NODE_ID = "C"
OUTPUT_FLAG = "Y"
END_OBJECT = ELEMENT_STANDARD_VALUE

OBJECT = ELEMENT_STANDARD_VALUE
COLUMN_VALUE = "AT&T BELL LABORATORIES"
COLUMN_VALUE_TYPE = "A"
COLUMN_VALUE_NODE_ID = "U"
OUTPUT_FLAG = "Y"
END_OBJECT = ELEMENT_STANDARD_VALUE

OBJECT = ELEMENT_STANDARD_VALUE
COLUMN_VALUE = "BOSTON UNIVERSITY"
COLUMN_VALUE_TYPE = "A"
COLUMN_VALUE_NODE_ID = "C"
OUTPUT_FLAG = "Y"

END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "BROWN UNIVERSITY"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "CALIFORNIA INSTITUTE OF TECHNOLOGY"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "U"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "CORNELL UNIVERSITY"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "DECEASED"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "DENISON UNIVERSITY"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "GEORGIA INSTITUTE OF TECHNOLOGY"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "GERMAN AEROSPACE CENTER"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "I"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "HERZBERG INSTITUTE OF

	ASTROPHYSICS"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "U"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "HONEYBEE ROBOTICS"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "U"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "IMPERIAL COLLEGE"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "U"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "INSTITUTE FOR ASTRONOMY"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "ISTITUTO NAZIONALE DI ASTROFISICA"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "U"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "JET PROPULSION LABORATORY"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "IN"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "JOHNS HOPKINS UNIVERSITY"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "U"

OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "KITTE PEAK NATIONAL OBSERVATORY"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "KONKOLY OBSERVATORY OF THE HUNGARIAN ACADEMY OF SCIENCE"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "LOS ALAMOS NATIONAL LABORATORY"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "LUNAR AND PLANETARY INSTITUTE"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "MALIN SPACE SCIENCE SYSTEMS"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "U"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "MASSACHUSETTS INSTITUTE OF TECHNOLOGY"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "F"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "MAX PLANCK INSTITUTE"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "U"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE

OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "MAX-PLANCK-INSTITUT FUR AERONOMIE"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "U"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "N/A"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "NASA HEADQUARTERS"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "NASA/AMES RESEARCH CENTER"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "NASA/GODDARD INSTITUTE FOR SPACE STUDIES"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "NASA/GODDARD SPACE FLIGHT CENTER"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "NASA/JOHNSON SPACE CENTER"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "NATIONAL AERONAUTICS SPACE MUSEUM"

COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "NATIONAL SPACE SCIENCE DATA CENTER"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "NEW MEXICO STATE UNIVERSITY"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "NORTHWESTERN UNIVERSITY"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "U"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "PLANETARY SCIENCE INSTITUTE"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "RADIOPHYSICS INCORPORATED"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "RUSSIAN INSTITUTE OF SPACE RESEARCH"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "U"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "SAN JOSE STATE UNIVERSITY"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "U"
OUTPUT_FLAG	= "Y"

END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "SCIENCE APPLICATIONS INTERNATIONAL CORP"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "U"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "SETI INSTITUTE"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "U"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "SMITHSONIAN ASTROPHYSICAL OBSERVATORY"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "SMITHSONIAN INSTITUTE OF TECHNOLOGY"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "SOUTHWEST RESEARCH INSTITUTE"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "SPACE SCIENCE INSTITUTE"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "I"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "STANFORD UNIVERSITY"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE

OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "STERLING CORPORATION"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "TEXAS A & M UNIVERSITY"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "UNITED STATES GEOLOGICAL SURVEY"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "R"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "UNIVERSITA DEGLI STUDI DI PAVIA"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "U"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "UNIVERSITA' DI ROMA LA SAPIENZA"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "U"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "UNIVERSITAT BONN"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "U"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "UNIVERSITAT KIEL"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "U"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "UNIVERSITY OF ARIZONA"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"

END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "UNIVERSITY OF CALIFORNIA, BERKELEY"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "U"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "UNIVERSITY OF CALIFORNIA, LOS ANGELES"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "UNIVERSITY OF CHICAGO"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "UNIVERSITY OF COLORADO"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "A"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "UNIVERSITY OF FLORIDA"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "UNIVERSITY OF HAWAII"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "I"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "UNIVERSITY OF IOWA"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "F"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE

COLUMN_VALUE	= "UNIVERSITY OF KANSAS"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "F"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "UNIVERSITY OF MAINZ"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "U"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "UNIVERSITY OF MARYLAND"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "UNIVERSITY OF NEW MEXICO"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "UNIVERSITY OF VIRGINIA"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "UNIVERSITY OF WASHINGTON"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "A"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "UNIVERSITY OF WISCONSIN"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE
OBJECT	= ELEMENT_STANDARD_VALUE
COLUMN_VALUE	= "UNK"
COLUMN_VALUE_TYPE	= "A"
COLUMN_VALUE_NODE_ID	= "C"
OUTPUT_FLAG	= "Y"
END_OBJECT	= ELEMENT_STANDARD_VALUE

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OBJECT                = ELEMENT_STANDARD_VALUE
  COLUMN_VALUE        = "WASHINGTON UNIVERSITY"
  COLUMN_VALUE_TYPE   = "A"
  COLUMN_VALUE_NODE_ID = "I"
  OUTPUT_FLAG         = "Y"
END_OBJECT            = ELEMENT_STANDARD_VALUE

OBJECT                = ELEMENT_STANDARD_VALUE
  COLUMN_VALUE        = "WELLESLEY COLLEGE"
  COLUMN_VALUE_TYPE   = "A"
  COLUMN_VALUE_NODE_ID = "C"
  OUTPUT_FLAG         = "Y"
END_OBJECT            = ELEMENT_STANDARD_VALUE

SYSTEM_CLASSIFICATION_ID = "COMMON"
GENERAL_CLASSIFICATION_TYPE = "PERS"
CHANGE_DATE              = "2008-09-11"
STATUS_TYPE              = "APPROVED"
STANDARD_VALUE_OUTPUT_FLAG = "Y"
TEXT_FLAG                = "N"
TERSE_NAME               = "NULL"
SQL_FORMAT               = "CHAR(60)"
BL_SQL_FORMAT            = "char(60)"
DISPLAY_FORMAT           = "JUSTLEFT"
AVAILABLE_VALUE_TYPE     = "N"
END_OBJECT              = ELEMENT_DEFINITION
END

```