

Standards Change Request

Add values for LRO mission phase names

SCR3-1122.v1

Provenance:

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Problem:

The LRO mission has defined some mission phase names that do not already exist in the PDS Data Dictionary. They need to be added to the list of valid values.

Current Urgency:

This change should be made before the first end-to-end delivery test between LRO and PDS, currently scheduled for March 2008.

Proposed Solution:

Add the following new values to the STANDARD_VALUE_SET for MISSION_PHASE_NAME in the PSDD:

"EARLY CRUISE",
"MID CRUISE",
"LATE CRUISE",
"LUNAR ORBIT ACQUISITION",
"COMMISSIONING",
"NOMINAL MISSION"

Impact Assessment:

There will be no impact on tools or documentation.

Additional Information:

None.

Requested Changes:

The revised definition for MISSION_PHASE_NAME is below. New standard values are shown in bold red text.

OBJECT = ELEMENT_DEFINITION
NAME = MISSION_PHASE_NAME
STATUS_TYPE = APPROVED
GENERAL_DATA_TYPE = CHARACTER
UNIT_ID = NONE
STANDARD_VALUE_TYPE = DYNAMIC
MAXIMUM_LENGTH = 30
DESCRIPTION = "

The mission_phase_name element provides the commonly-used identifier of a mission phase."

STANDARD_VALUE_SET = {
"4-DAY CHECKOUT",
"ALL",
"AMALTHEA 34 ENCOUNTER",
"AMALTHEA 34 ORBIT",
"CALLISTO 10 ENCOUNTER",
"CALLISTO 10 ORBIT",
"CALLISTO 20 ENCOUNTER",
"CALLISTO 20 ORBIT",
"CALLISTO 21 ENCOUNTER",
"CALLISTO 21 ORBIT",
"CALLISTO 22 ENCOUNTER",
"CALLISTO 22 ORBIT",
"CALLISTO 23 ENCOUNTER",
"CALLISTO 23 ORBIT",
"CALLISTO 3 ENCOUNTER",
"CALLISTO 3 ORBIT",
"CALLISTO 30 ENCOUNTER",
"CALLISTO 30 ORBIT",
"CALLISTO 9 ENCOUNTER",
"CALLISTO 9 ORBIT",
"COMMISSIONING",
"CRUISE",
"EARLY CRUISE",
"EARTH 1 ENCOUNTER",
"EARTH 2 ENCOUNTER",
"EARTH CRUISE",

"EARTH ENCOUNTER",
"EARTH FLYBY",
"EARTH PHASING LOOP A",
"EARTH PHASING LOOP B",
"EARTH-EARTH CRUISE",
"EARTH-JUPITER CRUISE",
"EARTH-VENUS CRUISE",
"EARTH1 ENCOUNTER",
"EARTH2 ENCOUNTER",
"EUROPA 12 ENCOUNTER",
"EUROPA 12 ORBIT",
"EUROPA 13 ORBIT",
"EUROPA 14 ENCOUNTER",
"EUROPA 14 ORBIT",
"EUROPA 15 ENCOUNTER",
"EUROPA 15 ORBIT",
"EUROPA 16 ENCOUNTER",
"EUROPA 16 ORBIT",
"EUROPA 17 ENCOUNTER",
"EUROPA 17 ORBIT",
"EUROPA 18 ENCOUNTER",
"EUROPA 18 ORBIT",
"EUROPA 19 ENCOUNTER",
"EUROPA 19 ORBIT",
"EUROPA 26 ENCOUNTER",
"EUROPA 26 ORBIT",
"EUROPA 4 ENCOUNTER",
"EUROPA 4 ORBIT",
"EUROPA 6 ENCOUNTER",
"EUROPA 6 ORBIT",
"EXTENDED MISSION",
"EXTENDED-EXTENDED MISSION",
"GANYMEDE 1 ENCOUNTER",
"GANYMEDE 1 ORBIT",
"GANYMEDE 2 ENCOUNTER",
"GANYMEDE 2 ORBIT",
"GANYMEDE 28 ENCOUNTER",
"GANYMEDE 28 ORBIT",
"GANYMEDE 29 ENCOUNTER",
"GANYMEDE 29 ORBIT",
"GANYMEDE 7 ENCOUNTER",
"GANYMEDE 7 ORBIT",

"GANYMEDE 8 ENCOUNTER",
"GANYMEDE 8 ORBIT",
"GASPRA ENCOUNTER",
"IDA ENCOUNTER",
"INTERPLANETARY CRUISE",
"IO 0 ENCOUNTER",
"IO 24 ENCOUNTER",
"IO 24 ORBIT",
"IO 25 ENCOUNTER",
"IO 25 ORBIT",
"IO 27 ENCOUNTER",
"IO 27 ORBIT",
"IO 31 ENCOUNTER",
"IO 31 ORBIT",
"IO 32 ENCOUNTER",
"IO 32 ORBIT",
"IO 33 ENCOUNTER",
"IO 33 ORBIT",
"JUPITER 0 ORBIT",
"JUPITER 35 ORBIT",
"JUPITER 5 ORBIT",
"JUPITER APPROACH",
"JUPITER ENCOUNTER",
"JUPITER ORBIT INSERTION",
"JUPITER ORBIT OPERATIONS",
"KENNEDY SPACE CENTER",
"LATE CRUISE",
"LAUNCH",
"LAUNCH AND DEPLOYMENT",
"LOW EARTH ORBIT",
"LUNAR MAPPING",
"LUNAR ORBIT ACQUISITION",
"MAPPING",
"MAPPING CYCLE 1",
"MAPPING CYCLE 2",
"MERCURY 1 CRUISE",
"MERCURY 1 FLYBY",
"MERCURY 2 CRUISE",
"MERCURY 2 FLYBY",
"MERCURY 3 CRUISE",
"MERCURY 3 FLYBY",
"MERCURY 4 CRUISE",

"MERCURY ORBIT",
"MID CRUISE",
"NEPTUNE ENCOUNTER",
"NOMINAL MISSION",
"ORBIT INSERTION",
"PRIMARY MISSION",
"PRIMARY SCIENCE PHASE",
"PRIME MISSION ORBIT OPERATIONS",
"PROBE",
"PROBE RELEASE",
"PROBE RELEASE AND ODM",
"SATURN ENCOUNTER",
"SHOEMAKER-LEVY 9 ENCOUNTER",
"SURVEY MISSION",
"URANUS ENCOUNTER",
"VENUS 1 CRUISE",
"VENUS 1 FLYBY",
"VENUS 2 CRUISE",
"VENUS 2 FLYBY",
"VENUS ENCOUNTER",
"VENUS-EARTH CRUISE"}
END_OBJECT = ELEMENT_DEFINITION
END