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 2 Standards Change Request
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 4 Change catalog files from 72 bytes to 80 bytes SCR3-1110.v1
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6 Provenance:
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 9 Date: 2007-04-20
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 11 Working Group: TBD
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 14 Problem:
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 17 Catalog files are currently limited to 72 byte records. The reason for
 18 this no longer exists (?). The record length for catalog files should
 19 be expanded to 80 bytes.
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 22 Current Urgency:
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 25 Tools development at EN and at external organizations such as ESA may
 26 end up being written to limit catalog files to 72 byte records. There
 27 is (or should be) no longer any reason for catalog files to be 72 bytes
 28 so future tools should not force this limitation.
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 31 Proposed Solution:
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 34 Change the Standards Reference and the Planetary Science Data Dictionary to
 35 allow catalog files to be 80 bytes instead of 72.
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 38 Impact Assessment:
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 41 (1) There is no impact on existing products.
 42 (2) There is an impact on the Data Dictionary in that the following fields
 43 in the Sybase PSDD will have to be modified to accommodate the increase
 44 in length:
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Catalog keyword	field in psdd (Sybase)	Catalog Object
- DATA_SET_COLLECTION_DESC	-- dscoll.dscoll	-- DATA_SET_COLLECTION_INFO
- DATA_SET_COLLECTION_USAGE_DESC	-- dscollusgd.dscollusgd	-- DATA_SET_COLLECTION_INFO
- DATA_SET_DESC	-- dsd.dsd	-- DATA_SET_INFORMATION
- CONFIDENCE_LEVEL_NOTE	-- dsconf.conflvlnote	-- DATA_SET_INFORMATION
- INSTRUMENT_DESC	-- instd.instd	-- INSTRUMENT_INFORMATION

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53 - INSTRUMENT_HOST_DESC -- hostd.insthstd -- INSTRUMENT_HOST_INFORMATION
54 - MAP_PROJECTION_DESC -- n/a -- DATA_SET_MAP_PROJECTION_INFO
55 - MEDIUM_DESC -- invnodemedia.mediumd -- INVENTORY_NODE_MEDIA_INFO
56 - INVENTORY_SPECIAL_ORDER_NOTE -- invspcordnt.invspcordnt -- INVENTORY_NODE_MEDIA_INFO
57 - NODE_DESC -- noded.noded -- NODE_INFORMATION
58 - ADDRESS_TEXT -- persmailaddr.addresstext -- PERSONNEL_INFORMATION
59 - MISSION_DESC -- msnd.msnd -- MISSION_INFORMATION
60 - MISSION_OBJECTIVES_SUMMARY -- msnobjsmys.msnobjsmys -- MISSION_INFORMATION
61 - REFERENCE_DESC -- refd.refd -- REFERENCE
62 - ROTATIONAL_ELEMENT_DESC -- n/a -- DATA_SET_MAP_PROJECTION_INFO
63 - SOFTWARE_DESC -- swd.swd -- SOFTWARE_INFORMATION
64 - TARGET_DESC -- targetd.targetd -- TARGET_INFORMATION
65 - DESCRIPTION -- voldesc.volumedesc -- VOLUME
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68 There is a minor change to be made to the Standards Reference.

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70 The validation tools distributed by EN will not be affected by the above changes
71 as they validate against the pdsdd.full. Tools developed internally at the
72 Nodes could suffer if those tools do not validate against the pdsdd.full.

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75 Additional Information:

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78 Other documents (e.g., PAG and APG) are not affected.

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81 Requested Changes:

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84 (1) In paragraph 4 of the introductory material to Appendix B, change
85 "should not exceed 72 characters" to "should not exceed 80 characters".

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87 (2) Modify the above fields in the Sybase PSDD to reflect the increase
88 in length from 72 to 80 characters.

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90 I have not been able to find any other reference to this limit (but I
91 wouldn't be surprised if there were others).

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