October 22, 2013 PDS4 Standards CCB Telecon

Attendees:

Lynn Neakrase, Carol Neese, Tom Stein, Joe Mafi, Trent Hare, Dave Heather, Mark Showalter, Dan Crichton, Emily Law

Summary

Dan Crichton presented IM change concept/procedures which was well received

CCB-20 A-H passed. I and J postponed till examples are given

CCB-22 Passed except node names

CCB-33 Postponed for evote when Spectral dictionary is ready

CCB-40 Passed with recommendation

CCB-35 was included in the agenda erroneously. It was discussed and passed previously.

VOTING

CCB-20: Correct Minor Errors in Enumerated Values
Partially PASSED

Votes for items A-H

ATM: YES

GEO: YES

IMG: YES

IPDA: YES

PPI: YES

SBN: YES

RINGS: YES

Comments

A,B,C,D,F,G,H passed as is, E passed after addition of "For example" verbiage (had too much specificity and that the Grinder example given may not fit all cases. Added "For example" verbiage to fix the problem)

I and J postponed. They were not considered for the vote because of lack of examples. "Unknown" could be necessary for metadata values from

migrated datasets and the CCB was unclear as to how these two considerations would be handled in that case.

CCB-22: Adopt Rules for Case of Enumerated Values
PASSED except Node names

ATM: YES
GEO: YES
IMG: YES
IPDA: YES
PPI: YES
SBN: YES
RINGS: absent

Comments
Voted on all values on the list provided except the official representations of the node names. By assuming all caps for the abbreviations of the node names, it could be misconstrued as acronyms. For NAIF, PPI, and SBN this is the case, but for the rest it is not. Currently, there isn't any meaningful constrains on the length of these fields.

PPI - Need to provide support for displaying the correct values for enumerated lists. This is probably a software issue for implementation.
GEO - What capitalization rules are we using? Is there a standard to which we can point? If yes, state it in the standards reference. If no we should state our rules there.
RINGS - Appears we use Title Case as the standard. Standards Reference needs to be updated to reflect the rules for case sensitivity.
GEO – Hyphenation rules are also not uniform (space before / after "-")

Recommendations:
1. The node names (with the exception of the 3 above) should be capitalized and spelt out. (e.g., Atmospheres, Geosciences, Radio Science, Imaging, Rings, etc.). In particular 'RS' and 'IMG' may be confused with other meanings or usage.

2. Software tool should display not only warning for invalid values for enumerated lists, but also display the correct values
3. Standard Reference needs to clearly specify capitalization, hyphenation rules.

CCB-33: Deprecate Band_Bin_Set class
POSTPONED

Comments
Not voted. CCB really felt it was difficult to consider this SCR without the fixed data dictionary that shows the results of the deprecation. Will plan to handle next week via e-vote, as long as members get a copy of the newer data dictionary for this topic.

CCB-40: Improve Consistency in Units Expressions
PASSED with recommendation

ATM: YES
GEO: YES
IMG: YES
IPDA: YES
PPI: YES
SBN: YES
RINGS: YES

Comments
Recommend to change wording in Standards Reference about reasons behind not using negative exponents. The reason really isn't for compactness and the explanation isn't very explicit. Suggestions included verbiage of, "negative exponents are handled with a '/' and positive exponents" and/or "easiest to understand". Better verbiage to explain the notation should be included in the Standards Reference.

CCB vote to Endorse the Deprecation Procedures (presented by Dan Crichton)
ATM: YES
GEO: YES
IMG: YES
IPDA: YES
PPI: YES
RINGS: YES
SBN: YES

Comments
The CCB endorses the use of the approach as Dan presented. Many felt this was a vast improvement for PDS. The only suggestion presented involved the use of items that may be changed from 'optional' to 'required' as part of non-backwards compatible changes. The suggestion was to add a warning message like the deprecation warning to allow users/data providers to know about impending changes.

All telecon artifacts will be posted on an EN webpage:
http://pds-engineering.jpl.nasa.gov/index.cfm?pid=145&cid=190
Artifacts for this meeting include:
Agenda, Minutes, IM changes concept/procedure sides and document