| NHM White Book 8 COMMENT RESOLUTION MATRIX 31-July-2014 |
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| **Reference** | **Comment/ Rationale** | **Source of Comment (Name/Agency)** | **Suggested Disposition of Comment** | **Final Disposition****(Do Not Fill In)** |
| **Page** | **Section** | **Line** |
| A-1, B-2, C-1, D-4 | Appendices A, B, C and D | Titles | The tittles and the page numbers seemed to be formatted incorrectly. | Juan Carlos Raymond/NASA GSFC | Suggest updating the format of the titles and fix the numbering of the pages. |  |
| A-1 | Annex A | 2 | Not all the time system values in table 7 are in the Green Book v3.0 (reference F2). SCLK and MET are not time systems. | Juan Carlos Raymond/NASA GSFC | Give a better description or detail for SCLK and MET. The definitions of these values may be included in the future vol. 2 of the Green Book or in this annex. |  |
| A-1 | Annex A | 3 | If these are normative values for TIME\_SYSTEMS, why is there an option to document different settings in an ICD? I recalled conversations regarding normative values during the review process of the CDM at one of the CCSDS biannual meetings. | Juan Carlos Raymond/NASA GSFC | If the values in table 7 are normative, why should be given an option to document different values in an ICD. |  |
| B-3 | Annex B | B2.2 | There is a note in B2.2. I could not figure out what the note was for. Joseph Hashmall’s note to re-register new sensors and data types should be explicitly mentioned in the section. | Juan Carlos Raymond/NASA GSFC | Suggest writing the note of re-registration of new sensors and data types as new hardware becomes available. |  |
| C-1 | Annex C | Paragraph 1, line 3 | I could not figure out if the word Mnemonics was allowed within the NHM. It was removed in a couple places within the standard. | Juan Carlos Raymond/NASA GSFC | Is the Mnemonic word allowed to be used in this standard? Would it conflict with any other usage of the word mnemonic in other standards? Should the first paragraph read “The values in this annex represent examples of values associated with three fields of the DEFINE keyword in the records of the Metadata Section.  |  |
| C-1 | Annex C | Paragraph 2, line 1 | At a first glance, I did not know what you meant by the table and the specification of the columns within a table. I initially thought it was the values for the DEFINE keyword. It did not come to me clear how they make up the values within the keyword unless I read the entire proposed NHM standard. | Juan Carlos Raymond/NASA GSFC | Do you think making a reference to the table C-1 would help the reader understand what columns you are referring to and how you make a “mnemonic” as a value within the DEFINE keyword from that table? In other words, it would be nice to show the relationship of the table with the values in the DEFINE keyword. |  |
| C-1 | Annex C | Table C-1 | Is there a rule or restriction in the number of letters to make up the values? If it is limited to 3 values, then the value PWRR should be PWR. It is hard to know that there is a 3 letter limit in the values unless I read the entire standard. You could have used GNC because not all the hardware types are related to ACS. For instance, Accelerometers can be deemed to be essential for Orbit Determination and Control along with the NAV. | Juan Carlos Raymond/NASA GSFC | Are the values limited to 3 letters? Should PWRR be PWR for power? If there is no limit in the number of letters, shouldn’t we make new ones for ADCS (Attitude Determination and Control System) and GNC (Guidance, Navigation and Control? |  |
| C-2 | Annex C-1 | Table C-1 NAV value | I did not understand why ephemeris is inside parenthesis here in the meaning. There is more into NAV than just ephemeris and how do you make the distinction between just orbit ephemeris and other relevant info for orbit determination?  | Juan Carlos Raymond/NASA GSFC | Why is ephemeris inside parenthesis here in the meaning? There is more into NAV than just ephemeris. How do you make the distinction between just orbit ephemeris and other relevant info for orbit determination? |  |
| C-1 through C-3 | Annex C | Table C-1 | I reviewed the list of hardware, measurement and unit types, and came up with many more. For example, the AST also provides a quality factor or index, or the accuracy of the attitude that is valuable for analysts. Modern ASTs also provide rates and could have an internal IRU for full AD. | Juan Carlos Raymond/NASA GSFC | It would be nice to say why the values, measurement and unit types are limited to those in the table. |  |
| D-4 | Annex D | Title | The example should be the value of the DEFINE keyword if the word mnemonic should not be used within the NHM.  | Juan Carlos Raymond/NASA GSFC | Should the tittle be changed to say that it is value of the DEFINE keyword in the form of a mnemonic or something of this nature? |  |
| D-4 | Annex D | Table D-1 | It was not clear why the example refers to info that should be included in an ICD. The mnemonic in the DEFINE keyword came from normative values. | Juan Carlos Raymond/NASA GSFC | I think a brief introduction of why this info should be included in an ICD could be helpful to understand the table. The mnemonic within the DEFINE keyword came from normative values. It would be nice to give a full description of the mnemonic given in the table like EYE current and what I4B means. Without reading the whole standard, it is hard to understand the meaning of the annex. |  |
| C-1 through D-4 | Annex C and D | Tables | I could not understand the relationship of the measurement and unit types in table of the SANA registry and the info that make up the rest of the “mnemonic” within the DEFINE keyword? | Juan Carlos Raymond/NASA GSFC | Shouldn’t the measurement and unit types in table of the SANA registry match the info that make up the rest of the “mnemonic”? |  |
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