

CCSDS Navigation WG Telecon	09-Nov-2022
-----------------------------	-------------

**Attendees:** David Berry, Juan Crenshaw, Cheryl Gramling, Julie Halverson, Hideaki Hinagawa, Ralph Kahle, Jose Miguel Lozano, Dan Oltrogge, Brian Swinburne, Patrick Zimmerman.

Notes	Action
<b>1. Special Topics</b>	
<ul style="list-style-type: none"> <li>There were no special topics for this meeting... only document status and action item status.</li> </ul>	None
<b>2. Action Item Status</b>	
<ul style="list-style-type: none"> <li>Action items from the Fall 2022 Meetings were reviewed, and new dates were assigned as applicable.</li> </ul>	To David: send updated Action Items document with telecon minutes.
<b>3. Document Status</b>	
<ul style="list-style-type: none"> <li>The status of selected documents in progress was reviewed. Documents are sorted below in alphabetical order.</li> </ul>	To David: Report doc status to Mario & Marc.
<ul style="list-style-type: none"> <li><b>ADM 2.0:</b> Alain was unable to attend the meeting, but indicated via email that there has been "some progress on the test plan. I have to send the current version to Julie so that we can finalize the test plan". In the telecon, Julie confirmed that she and Alain were finalizing the ADM Test Plan.</li> </ul>	To Alain & Julie: Finalize ADM 2.0 test planning and test development.
<ul style="list-style-type: none"> <li><b>CDM 2.0:</b> Brian indicated that he has made progress on the CDM P-1.0.4, but there are still some missing items (e.g., realistic values for some examples. He indicated that he would not have any more time this year to work on the CDM due to other commitments.</li> </ul>	To Brian and Dan: Complete CDM P-1.0.4 drafting, distribute.
<ul style="list-style-type: none"> <li><b>Navigation Data - Definitions and Conventions:</b> No discussion in this meeting.</li> </ul>	None.
<ul style="list-style-type: none"> <li><b>Navigation Data Messages Overview (NDMO):</b> David reported that the document has been submitted to the Secretariat for preparation of the CESG/CMC "Approval to Publish" polling, but no poll has yet materialized. The CESG "Document Editor Queue" has not been updated since before the Fall Meetings, so it is not possible to determine (without bugging the editor) whether or not he has received the document and its position in the queue.</li> </ul>	To David: Query CCSDS Editor regarding the status of the document.
<ul style="list-style-type: none"> <li><b>NDM/XML Specification:</b> David reported that the Agency Review for the NDM/XML Version 3 is currently in progress, with end date 08-Feb-2023; this version will include the ODM V.3 schemas. The test plan is in progress; it will be largely the same as that used for the NDM/XML V.2 (just one prototype). Also a new project for the NDM/XML V.4 has been submitted and is currently in the CMC "New Project Approval" poll. Version 4 is tentatively targeted for ADM V.2 and CDM V.2 schema changes. An initial cut of the Version 4 schemas has been</li> </ul>	To David: Complete NDM/XML Version 3 Test Plan.

Notes	Action
<p>prepared. We also discussed the distinction between the "unqualified" schemas and the "qualified" schemas.</p>	
<ul style="list-style-type: none"> <li>• <b>NEM:</b> Alain indicated via email that there is no progress on the NEM; this is fine because the ADM V.2 has top priority.</li> </ul>	None
<ul style="list-style-type: none"> <li>• <b>ODM 3.0:</b> Dan reported that the XML schema situation and correlation with the document have been straightened out; he is still working on getting the testing process going but is close. He has also continued to correspond with Luc Maisonbe for his contribution to the testing process. Note that subsequent to the meeting, Dan discovered some errors in the XML schemas and David; David corrected these new found errors and submitted updates to the SANA Team for posting on the beta SANA site.</li> </ul>	To Dan: Continue prototype testing and test report.
<ul style="list-style-type: none"> <li>• <b>PRM:</b> Jose Miguel confirmed that he has approval to work on the PRM Corrigendum requested by the Mission Planning WG.</li> </ul>	To Jose Miguel: Prepare Corrigendum draft.
<ul style="list-style-type: none"> <li>• <b>RDM:</b> No discussion in this meeting.</li> </ul>	None
<ul style="list-style-type: none"> <li>• <b>SANA:</b> Dan raised the issue that there was a registry proposed called the "Space Object Catalog Name" registry, and showed the proposed contents. David noted that there is currently a registry called the "Conjunction Data Message CATALOG_NAME" that contains most of the entries proposed for the "Space Object Catalog Name" registry. We agreed to change the name of the catalog in the CDM and add the catalogs identified in the draft that are not in the current CDM catalog.</li> </ul>	<p>To David: Request SANA to change name of "Conjunction Data Message Catalog Name" registry.</p> <p>To Brian: Reflect name change in CDM P-1.0.4</p>
<ul style="list-style-type: none"> <li>• <b>TDM 3.0:</b> Juan reported that he has had time to perform some work on the TDM draft, but not enough to complete it yet. He did raise one topic for discussion regarding the "CORRECTIONS_APPLIED" keyword. Currently the allowed values are "YES" or "NO"; the proposal is to add a list of data types for which corrections were applied; the new values would be "YES", "NO", or a list of data types. The change will be in the next draft; Agency Review will determine community receptivity to the change.</li> </ul>	To Juan & Cheryl: Complete drafting P-2.0.2 update and distribute for review.
<p><b>4. Other Discussion</b></p>	
<ul style="list-style-type: none"> <li>• Immediately after the telecon, Dan and David continued discussion of the number formats issue that was raised at Toulouse. We did not finalize the discussion in total, but agreed that the range of integers would be left unchanged, with the addition of some text regarding the ability of exchange participants to agree on a broader range of integers (e.g., 64 bit integers). The action items related to floating point numbers remain open because they require additional research.</li> </ul>	To David: Conduct survey of number ranges specified in other CCSDS standards.

Notes	Action
<b>5. Next Telecons</b>	
<ul style="list-style-type: none"> <li>• 18-Jan-2023 14:00-15:00 UTC</li> <li>• 22-Feb-2023 14:00-15:00 UTC</li> <li>• 29-Mar-2023 13:00-14:00 UTC</li> <li>• 26-Apr-2023 13:00-14:00 UTC</li> <li>• 08-May-2023 through 12-May-2023 Spring Meetings at Huntsville, Alabama, USA</li> </ul>	<p>To David: Send out current draft meeting schedule.</p>