CCSDS Navigation WG Telecon	01/18/2023

Attendees: David Berry, Juan Crenshaw, Frank Dreger, Julie Halverson, Hideaki Hinagawa, Ralph Kahle, Alain Lamy, Jose Miguel Lozano, Dan Oltrogge, Brian Swinburne, Patrick Zimmerman.

Notes	Action
1. Special Topics	
• There were no special topics for this meeting... only document status and action item status.	None
2. Action Item Status	
• Due to time constraints, action items from the Fall 2022 Meetings were NOT reviewed in this meeting. David requested WG members to review the action items list sent out prior to the meeting and send updated dates as applicable.	To All: Review Action Item list and send updates to David.
3. Document Status	
• The status of selected documents in progress was reviewed. Documents are sorted below in alphabetical order.	To David: Report doc status to Mario & Marc.
• **ADM 2.0:** Alain reported that an update to the ADM Test Plan/Report was distributed recently. It has now been updated again and will be distributed soon. At this point, all of the message exchanges are between NASA and CNES, although Luc Maisonobe of Thales Aerospace has indicated interest in participating in the testing, and Jose Miguel indicated that GMV may also be able to participate. David noted that the identities of the "X" and "Y" participants didn't need to be identified in the Plan section of the document, but should be identified in the Report.	To Alain & Julie: Finalize ADM 2.0 test planning and test development.
• **CDM 2.0:** Brian indicated that the CDM P-1.0.4 will be ready soon. There are still some missing items, in particular, the floating point number language and the Annex G examples. David indicated that he would prioritize working on the floating point language, and he and Dan will discuss it.	To David: Resolve floating point language, and discuss with Dan.

To Brian and Dan: Complete CDM P-1.0.4 drafting, distribute. |
| • **Navigation Data - Definitions and Conventions:** No discussion in this meeting. | None. |
| • **Navigation Data Messages Overview (NDMO):** David showed that the CESG "Approval to Publish" poll had completed the day prior to the telecon, but the review ended with one of the Area Directors filing "Conditions" related to navigation events that must be resolved prior to the document going to the CMC Poll. The Conditions do not look particularly difficult, and should be easily resolved. | To David: Submit resolutions to the poll conditions raised by the CESG. |

Notes	Action
• **NDM/XML Specification:** 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. Also a new project for the NDM/XML V.4 has been approved by the CMC "New Project Approval" poll. Version 4 is tentatively targeted for ADM V.2 and CDM V.2 schema changes.	To David: Complete NDM/XML Version 3 Test Plan.
• **NEM:** The NEM was only discussed in the context of the conditions raised by the CESG in the "Approval to Publish" poll. When we commence work on the NEM, we will need to avoid overlaps with the Cross Support Services "CPIF" document (Communications Planning Information Format).	None at this time.
• **ODM 3.0:** Dan reported that the ODM document is "final"; there were a few things that cropped up in testing that needed revision. He is ready to run the final tests and prepare the test report. Dan indicated that he would send the XML messages used in testing to David. Also, David apologized for having made some of the data structures in the OCM have units required as opposed to optional. This was caused by some shared units between the OCM and RDM; the RDM states that units are required. So the data structures cannot be shared with the ODM.	To Dan: Complete prototype testing and test report. Distribute Test Report to Nav WG. Send XML messages used in testing to David.
• **PRM:** David thanked Jose Miguel for his work on the PRM Corrigendum draft, and asked the group if it was OK for Frank, Jose Miguel, and David to meet to finalize the Corrigendum rather than having the whole group in the discussion. No objections were raised. David will coordinate with Frank and Jose Miguel to determine a mutually agreeable date/time for this discussion.	To David: Schedule meeting with Frank and Jose Miguel.
• **RDM:** Only discussed in this meeting in the context of units on XML structures (RDM requires, ODM/OCM optional).	None
• **SANA:** 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.	To David: Request SANA to change name of "Conjunction Data Message Catalog Name" registry. To Brian: Reflect name change in CDM P-1.0.4
• **TDM 3.0:** Juan reported that he had prepared several discussion topics for this telecon, but given that the great bulk of the meeting time had been consumed by discussion of the other standards, there was insufficient time to discuss them. David apologized that the bulk of the meeting had been allocated to documents farther along in the standards lifecycle. He suggested that the TDM be scheduled as the lead topic in the next telecon so we would have time to discuss the items. Some of the issues involved potential contradictions in some of the tracking data principles.	To David: Schedule TDM discussion as the lead topic in the next telecon.

Notes	Action
4. Other Discussion	
• None	None
5. Next Telecons	
• 22-Feb-2023 14:00-15:00 UTC • 29-Mar-2023 13:00-14:00 UTC • 26-Apr-2023 13:00-14:00 UTC • 08-May-2023 through 12-May-2023 Spring Meetings at Huntsville, Alabama, USA	To David: Send out current draft meeting schedule.