CCSDS Navigation WG Telecon	29-Jun-2022

Attendees: David Berry, Vitali Braun, Cheryl Gramling, Julie Halverson, Hideaki Hinagawa, Ralph Kahle, Alain Lamy, Jose Miguel Lozano, Dan Oltrogge, Patrick Zimmerman.

Meeting Agenda
1. Finalize Spring Minutes
2. ODM Status (Test Status in particular)
3. ADM Status (Test Plan Status in particular)
4. CDM Status
5. NDMO Green Book Status
6. Action Items Update
7. XML Schema Versioning

Notes	Action
1. Finalize Spring Minutes	
• David indicated that he had received only a few comments on the Spring Meeting minutes. He would like to finalize the minutes early in the week of 04-Jul-2022.	To All: If you haven't yet reviewed or commented on minutes, please do so.
2. Action Item Status	
• Action items from the Spring 2022 Meetings were reviewed, and new dates were assigned as applicable. Several action items were either completed or cancelled since the last telecon.	To David: send updated Action Items document with telecon minutes. Also post to CWE.
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 indicated that there has been no change on the ADM Test Plan Status. David reiterated that now is a good time to be working on the draft plan because there will be at least 2 months "available" while the ADM is in Agency Review. Alain inquired about getting the ODM Test Plan. Dan said he would send the ODM Test Plan in MS Word format. David will post to the CWE Test Plan/Test Report library. Alain also asked if there were anything Dan would change in the plan. See the ODM discussion below.	To Alain & Julie: Start thinking about test plan. To Dan: Send ODM Test Plan MS Word version to David. To David: Post ODM plan on CWE.
• **CDM 2.0:** Brian was not able to attend the meeting, so there was no updated status. David indicated that he was still reviewing the document (2 annexes remaining).	To David: Complete review of outstanding sections of the CDM.
• **Navigation Data - Definitions and Conventions:** No discussion	None.
• **Navigation Data Messages Overview:** Patrick indicated that he has started on the updates, and the work is picking up.	To Patrick: Continue document update.
• **NDM/XML Specification:** David reported that he and Jose Miguel have continued to discuss the versioning of our XML schemas. The mockups of 2 possible methods that were shown in	To Jose Miguel and David: Continue to iterate on ideas.

Notes	Action
the Spring Meetings were shown again. David indicated that he is tending to favor the method that was most preferred by the SANA Team. A second topic related to XML versioning related to the content of the NDM/XML 3.0 document. Originally, when it appeared that the ODM and ADM might be published at around the same time, the NDM/XML 3.0 was planned to incorporate the changes related to ODM 3.0 and ADM 2.0. At this point, it appears that the ODM 3.0 might progress to Blue Book some number of months before the ADM 2.0. David will thus prepare the NDM/XML 3.0 to accommodate the ODM 3.0 and ADM 1.0. This will necessitate a new project for the NDM/XML 4.0 to accommodate the ADM 2.0.	To David: Modify the NDM/XML schemas to accommodate ODM 3.0 and ADM 1.0 (mostly changes in the "common" schema).
• **NEM:** No discussion during this meeting.	None.
• **ODM:** Dan reported that the Comspoc team continues to work on the prototype code, and that a lot of effort is begin put in. They are hoping to start the testing soon. They will test the individual blocks of the OCM in isolation, then combine them Alain inquired if there was anything he would do differently with the plan. Dan said that he liked what the Orekit was doing with testing some known problematic tests. David noted that the prototypes don't need to be "bulletproof", though it is good to test erroneous inputs, etc. That type of testing can never be "complete" because there are just too many combinations, especially given the number of optional keywords in the OCM. And you can never know all the improper inputs that will be problematic.	To Dan: Continue prototype testing development and testing.
• **PRM:** No discussion in this meeting.	None
• **RDM:** No discussion in this meeting.	None
• **SANA:** A discussion Jose Miguel's research of the SANA Registry API was presented. The capability shows some promise, particularly for parsing rows in the OCM (David showed an example look at the Orbital Elements registry in the JSON format). Dan inquired how to get a login for the SANA Registry.	None
• **TDM:** No discussion in this meeting.	None
8. Other Discussion	
• None	None
9. Next Telecons	
• 27-Jul-2022 13:00-14:00 UTC • August 2022 NO MEETING • 07-Sep-2022 13:00-14:00 UTC • 05-Oct-2022 13:00-14:00 UTC • 17-Oct-2022 thru 21-Oct-2022 Fall Meetings at Toulouse, France	To David: Send out meeting invitations and Webex info.