

CCSDS Navigation WG Telecon	02/22/2023
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Attendees: David Berry, Vitali Brown, Juan Crenshaw, Frank Dreger, Cheryl Gramling, Julie Halverson, Ralph Kahle, Alain Lamy, Jose Miguel Lozano, Dan Oltrogge, Brian Swinburne, Patrick Zimmerman.

Notes	Action
1. Special Topics: TDM 3.0 Discussion	
<ul style="list-style-type: none"> Given that the January telecon allocated insufficient time to discuss proposed changes for the TDM version 3, 75% of the meeting was allocated to Juan's careful analysis of the TDM design principles and his assessment of how well the current version of the TDM does or does not embody those principles. For example, there was a fair amount of discussion on the topic of adding configuration information to the TDM. "Modularity" is a frequent theme in the Nav WG meetings, and these will apply to the TDM V.3 as well. Some of the issues have a new flavor given the rise of commercial tracking networks that supplement agency tracking networks. These items are likely to be a recurring discussion as we work through the various changes. Juan noted that the action item targets previously set for the next update of TDM were not met; David indicated that this was not an issue given that there will be many demands on the NavWG members in the next few months as we complete the work on the ODM, ADM, and CDM updates, along with their accompanying XML schema work. Thus the TDM targets can be fairly flexible. The discussion in this meeting was engaging and fruitful, and we will continue in future telecons, as well as a couple of time blocks in the Spring 2023 meetings. 	To David: Schedule discussion time for TDM in March telecon.
2. Action Item Status	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> The status of selected documents in progress was reviewed. Documents are sorted below in alphabetical order. 	To David: Report doc status to Mario & Marc.
<ul style="list-style-type: none"> ADM 2.0: Alain reported that an update to the ADM Test Plan/Report was distributed recently. The testing has commenced, and progress is good; good results are being achieved, and no major anomalies have resulted. Alain reported that the APM tests have been completed, and the AEM tests are almost complete. Soon they will be starting on the ACM tests. Jose Miguel will also start ADM testing on behalf of GMV. Luc Maisonobe (who also tested the OCM) will likely also be 	To Alain, Julie, Jose Miguel, Luc: Continue ADM 2.0 testing.

Notes	Action
<p>involved in ADM testing. Alain will send KVN messages to David for conversion to XML for XML testing. Alain noted the presence of DATA_START and DATA_STOP in the AEM; these are not present in the OEM, an inconsistency we did not have time to discuss.</p>	
<ul style="list-style-type: none"> • CDM 2.0: Brian reported that the CDM P-1.0.4 is now out for internal review. We anticipate this being the last formally reviewed version of the CDM. David has sent out review assignments to all WG members. 	<p>To All: Review CDM P-1.0.4 as assigned.</p>
<ul style="list-style-type: none"> • Navigation Data - Definitions and Conventions: No discussion in this meeting. 	<p>None.</p>
<ul style="list-style-type: none"> • Navigation Data Messages Overview (NDMO): David reported that he had submitted a copy of the document to the Secretariat that contained changes to address the "Conditions" that had been placed on advancing the document to the "Approval to Publish" poll by the CMC. No confirmation was received from the Secretariat, however, there is evidence that the Secretariat is satisfied with the disposition of the Conditions since the document no longer appears in the list of "Closed CESG Polls with Conditions Still Pending/Unsatisfied". Subsequent to the meeting, David found that the CMC "Approval to Publish" poll was established 23-Feb-2023, ending 09-Mar-2023. So we are in good shape. 	<p>None.</p>
<ul style="list-style-type: none"> • NDM/XML Specification: David reported that the Agency Review for the NDM/XML Version 3 completed 08-Feb-2023. The test plan is largely complete, and testing has been going well. For the past few months there has been an effort made to get the ODM and the NDM/XML 3.0 into the "Approval to Publish" cycle at the same time since the NDM/XML 3.0 schemas are aligned with the ODM 3.0, and we appear now to be able to achieve that goal. 	<p>To David: Complete NDM/XML Version 3 Test Plan, and submit to Mario required artifacts for "Approval to Publish" polling.</p>
<ul style="list-style-type: none"> • NEM: No discussion in this meeting. 	<p>None at this time.</p>
<ul style="list-style-type: none"> • ODM 3.0: Dan reported that the ODM testing is "complete-ish", the report test cases are done. Dan proposed a meeting with David on Monday 27-Feb-2023 to prepare the submission of artifacts to Mario for the "Approval to Publish" polling. David suggested that he and Dan do a careful proofreading review of all the changes made to the Agency Review Pink Book since it was produced. There are a number of them. 	<p>To Dan: Send to David the Changes Tracked against the Pink Book (from current state back to Agency Review version).</p> <p>To Dan & David: Submit to Mario required artifacts for "Approval to Publish" polling.</p>

Notes	Action
<ul style="list-style-type: none"> • PRM: No discussion in this meeting. 	To Jose Miguel: Complete design of PRM Corrigendum.
<ul style="list-style-type: none"> • RDM: No discussion in this meeting. 	None
<ul style="list-style-type: none"> • SANA: No discussion in this meeting. 	None
<ul style="list-style-type: none"> • TDM 3.0: See "Special Topics" at the beginning of these notes. 	See "Special Topics" at the beginning of these notes.
4. Other Discussion	
<ul style="list-style-type: none"> • None 	None
5. Next Telecons	
<ul style="list-style-type: none"> • 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.