

CCSDS Navigation WG Telecon	09-Mar-2022
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Attendees: David Berry, Vitali Braun, Frank Dreger, Cheryl Gramling, Julie Halverson, Hideaki Hinagawa, Alain Lamy, Jose Miguel Lozano, Patrick Zimmerman.

Notes	Action
1. Spring Meeting Decision	
<ul style="list-style-type: none"> David reported that the CCSDS Secretariat has determined that the Spring 2021 Meetings will be held virtually. Although NASA had hoped to host the meetings in-person, concerns regarding international travel have prevailed. David indicated that 27-April-2022 may be considered the first telecon of our Spring Meeting series. This meeting was originally planned for last minute discussion prior to the Huntsville. 	To David: Prepare Spring Meeting agenda options for group discussion at 04/06/2022 Meeting.
2. ODM 3.0 Status	
<ul style="list-style-type: none"> Because Dan was unable to attend the meeting, David provided status as he knew it (a) Orekit prototype is "complete" pending any revisions based on Agency Review RIDs, (b) COMSPOC prototype is in progress, (c) David has sent the Agency Review RID dispositions to the reviewers. 	To Dan: Finish up COMSPOC prototype and commence the tests outlined in the Test Plan.
3. ADM 2.0 Status	
<ul style="list-style-type: none"> The ADM final Pre-Agency Review Pink Book has been sent to Mario Merri and he has issued the required resolution to the Secretariat required to initiate the document processing and CESG/CMC polls required prior to Agency Review. We discussed the Test Plan a little bit. This is a very good time for Alain & Julie to start considering a prototype testing plan for the ADM because now that the document draft is turned over to the Secretariat, there will be at least 5 months where no other ADM action is possible: <ul style="list-style-type: none"> Secretariat Document Processing: two months CESG/CMC Polls for Agency Review: one month at LEAST Agency Review: two months The above times assume that there is no idle time between steps; typically this is not a good assumption (e.g., the Secretariat queue is rarely empty, time between these steps may be a week or two at each step, polls may have conditions that need to be resolved before we can proceed, etc.). We looked at the Document Editor's queue, and there are already several documents in that queue. In answer to a question as to which agencies will do the testing, we looked at the ADM 5 Year Update Charter, and it revealed that the agencies that agreed to do the testing in 2015 when the project was started were CNES and ESA. Note: All prior test plans are on the Nav WG CWE at https://cwe.ccsds.org/moims/docs/MOIMS-NAV/Test-Plans- 	<p>To Alain & Julie: Start thinking about test plan.</p> <p>To Dan: Send ODM Test Plan MS Word version to Alain & Julie.</p>

Notes	Action
Reports. Alain requested an MS Word copy of the latest ODM Test Plan.	
4. CDM 2.0 Status	
<ul style="list-style-type: none"> Brian was unable to attend. David reported that he had sent out CDM P1.0.2 Review assignments in response to Brian having recently distributed the draft. 	To All: Review CDM P1.0.2 per assignments.
5. Action Item Status	
<ul style="list-style-type: none"> Action items from the Fall 2021 Meetings were reviewed, and new dates assigned for items that were behind schedule. David raised an issue with one of the Action Items, specifically, #33 " Add "Unknown" to reference frames SANA". David stated that he had started to make this change, but wanted to discuss with the group. The context for this requested action was not documented, and in isolation it didn't seem to make sense (e.g., a state vector without a frame is useless). There was some discussion on this item that could make "unknown" plausible (e.g., sender and receiver knowing implicitly what is the frame), but this did not seem to justify adding "unknown". Alain pointed out that the logical extension of this would be a proliferation of "unknown" added to other registries. ODM 6.2.2.2 seems to accommodate the request without adding "unknown" to a slew of registries; this statement should perhaps be in all Nav WG documents. 	To David: send updated Action Items document with telecon minutes. Also post to CWE.
6. XML Schema Versioning	
<ul style="list-style-type: none"> This item was on the agenda, but Jose Miguel had not yet completed some tests of the proposal that he wanted to perform. Postponed to next telecon. 	To Jose Miguel: Conduct planned tests of the proposal.
7. Rob Rovetteo	
<ul style="list-style-type: none"> This item was on the agenda per Dan's proposal, but Dan was unable to attend. 	To David: Discuss with Dan offline.
8. CWE Schedule Updates	
<ul style="list-style-type: none"> David showed "Behind Schedule" items on the Nav WG CWE Charter. The NEM and TDM 3.0 schedules require update. 	To David: Update CWE schedules for NEM and TDM 3.0.
9. Document Status	
<ul style="list-style-type: none"> The status of each document in progress was not directly reviewed. Status in the below notes is based on emails, comments from action item status, and other advisories as to progress. Documents are sorted below in alphabetical order. Action item target dates appear in the Action Items list. 	To David: Report document status to Mario and Marc.
a) ADM: See status on agenda item #3 above.	See action items on agenda item #3 above.
b) CDM: See status on agenda item #4 above.	See action items on agenda item #4 above.

Notes	Action
c) Navigation Data - Definitions and Conventions Green Book: No discussion in this meeting.	None.
d) Navigation Data Messages Overview: No discussion in this meeting.	None.
e) CDM: See status on agenda item #4 above.	See action items on agenda item #4 above.
f) NDM/XML Specification: See status on agenda item #6 above.	See action items on agenda item #6 above.
g) NEM: See status on agenda item #8 above.	To David: Update NEM Schedule on the CWE.
h) ODM: See status on agenda item #2 above.	See action items on agenda item #2 above.
i) PRM: No discussion in this meeting.	None
j) RDM: No discussion in this meeting.	None
k) SANA: David still has several open action items related to SANA.	To David: Work down SANA action items.
l) TDM: See status on agenda item #8 above.	To David: Update TDM Schedule on the CWE.
10. Other Discussion	
<ul style="list-style-type: none"> • None 	None
11. Next Telecons	
<ul style="list-style-type: none"> • 06-Apr-2022 13:00-14:00 UTC • 27-Apr-2022 13:00-14:00 UTC (if necessary for final Spring Meeting prep) • 09-May-2022 thru 13-May-2022 Spring 2022 Meetings (nominal dates) at Huntsville, Alabama, USA 	To David: Send out meeting invitations and Webex info.