CCSDS Navigation WG Telecon	20-Feb-2019

Attendees: David Berry, Cheryl Gramling, Julie Halverson, Alexandru Mancas, Fran Martinez, Dan Oltrogge, Brian Swinburne, Patrick Zimmerman.

Notes	Action
1. SANA Registry Status	
David showed the progress on the SANA Registry implementation of Navigation Standards Normative Annexes. All material that has been submitted to date (5 of the 8 sub-registries) have been implemented. The "References" prototype has not yet been implemented. There was a lot of progress in the last week. David had stopped submitting more material until progress was being made; this has now been done so new submissions will resume.	To David: Continue submitting additional registry material as appropriate.
2. Tracking Data Message V.2 Test Status	
Cheryl reported that the Doppler count code is complete from her end, and is going through operations vetting. They are nearly ready to produce a data file. AGI will receive it. AGI confirms that they have the receiving side code implemented and are awaiting test data files from GSFC. Fran reported that he has discussed phase count tests with Frank Budnik/ESOC Navigation, and they should have something ready by the Spring Meetings.	To All: Continue with TDM prototype tests as assigned.
3. Spring Meeting Agenda (Draft 0)	
David stated that he had not originally planned to discuss Spring agenda at this telecon, but when the Secretariat made registration for the meetings available the previous day, it seemed advisable to begin discussing the agenda. He showed a "Draft 0" agenda so people could begin planning travel, identify conflicts, etc. There were a few conflicts identified: (1) Brian asked for the CDM discussion to be moved to a morning time slot since he will not physically be present so will need a telecon, and there is a large time differential between California and England; (2) Patrick noted that he may have a conflict due to his having to support the currently planned Boeing Starliner launch 04/29/2019; (3) David will follow up with Mehran Sarkarati (Chair of Mission Planning & Scheduling) to see if we need the currently planned joint meeting.	To All: Inform David if there are schedule conflicts that require changes in the agenda. To David: Modify Draft Agenda based on already identified issues.
4. Action Items Review & Other Document Status	
Action Items from/since the Berlin meetings and general document status were discussed and dates were updated. Many/most of the Action Items involve documents, so there is intertwined status of documents and their respective action items below. Documents are sorted below in alphabetical order. Action item target dates appear in the Action Items list.	To David: Send updated Action Items with minutes and post to CWE.
a) ADM: Julie reported that she owes Alain updated Attitude Comprehensive Message (ACM) material. Alain was not able to	To Julie: Provide ACM updates to Alain.

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attend so we did not have status on progress on other aspects of the ADM.	To Alain: Complete P1.8 draft after Julie's ACM updates arrive.
b) CDM: The official MS Word document has been provided to Brian. At the Spring Meetings we will be able to prioritize material to be updated. Brian noted that he would not be able to attend the Spring Meetings physically.	To Brian: Become familiar with the current CDM in preparation for the update. To David: Arrange for telecon capability for CDM discussion.
c) Navigation Data - Definitions and Conventions Green Book: Cheryl continues to focus on revised material on "measurements" (Section 6), glossary cleanup and migration to SANA, and reference citations. During the last 10-15 minutes of the telecon the group focused on 3 definitions that Cheryl had highlighted for discussion. "Nutation" and "precession" had potential issues due to the current ADM corrigendum, the definitions in the Green Book Glossary, and the Attitude & Spacecraft Conventions SANA registry. Cheryl and Julie will attempt to harmonize the definitions. This is one of the documents that is relatively close to being complete; completing it will help us reduce the large requirement for document reviews.	To Cheryl & Julie: discuss issues with "nutation" and "precession", make proposal and email to group to consider. To Cheryl: Complete draft 3.6.
d) Navigation Data Messages Overview Green Book: Patrick indicated that the document is getting close to completion. Progress is good overall. This is one of the documents that is relatively close to being complete; completing it will help us reduce the large requirement for document reviews.	To All: Review latest NDM Overview Green Book Draft 1.0.2
e) NDM/XML: David stated that he had received comments on the NDM/XML P1.0.1 from Fran, but not Frank. David has some comments to Fran in response; he will send via email	To Frank: Review changes in P1.0.1 in preparation for P1.0.2 draft. To David: Respond to Fran regarding his comments on NDM/XML P1.0.1.
f) NEM: Alain was not able to attend, so there was no discussion.	To All: Respond to Fall 2018 Action Items associated with NEM.
g) ODM: Version P2.38 review is in progress. Dan has received some comments. David indicated he is working through the document slowly. Dan indicated that he is eager to get feedback so as to continue the work.	To All: Review assigned sections of ODM P2.38. To David: Complete review of entire doc.
h) PRM: No discussion.	None

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i) RDM: The RDM is one of the documents that is relatively close to being complete; completing it will help us reduce the large requirement for document reviews.	To Alexandru and Ralph: Complete prototyping effort.
j) TDM: See discussion on item (2) above related to prototype test status. The TDM is one of the documents that is relatively close to being complete; completing it will help us reduce the large requirement for document reviews.	To All: Continue with TDM V.2 prototyping effort.
3. Other Discussion	
None	None
4. Next Telecons	
Proposed Telecon Schedule (all Times UTC) • 03-Apr-2019 13:00 Nav WG Telecon • 24-Apr-2019 13:00 Nav WG Telecon • 06-May-2019 Spring 2019 Meetings commence	To David: Send out meeting invitation and Webex info.