

Attendees: David Berry, Cheryl Gramling, Ralph Kahle, Dan Oltrogge, Patrick Zimmerman.

Notes	Action
1. SANA Registry Status	
David showed that the Orbital Covariance Matrix Types registry is complete, and explained that the "Units" column didn't appear until a filter seeking the units was applied; this will be referred to the SANA Team. Also, the Orbital Covariance Matrix Types is not listed in the "Master" list of CCSDS Navigation Normative Annexes. Dan inquired whether or not the default sort issue had been addressed; David did not know but will inquire of the SANA Team. David also showed the beta entries for the Orbit-Relative Reference Frames registry; there are some defects in the image presentations of some of the frames. Dan suggested that we inquire as to the format desired by the SANA Team. Finally, the Glossary updates that were submitted have not yet been processed into the CCSDS Terms registry; the SANA Team delegated this task to the CCSDS Lead Editor Tom Gannett but he has not yet had the opportunity to address it.	To David: Follow up with SANA Team regarding units in the Orbital Covariance registry, inclusion in the "Master" index for Nav WG annexes, default sort, format for pictures.
2. Action Items Review & Other Document Status	
Action Items from/since the Mountain View 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: Internal WG review of version Pink Book P1.8 of the document is essentially complete (Dan indicated that he was still reviewing the document, but since Alain is on vacation he can continue and send comments to Alain). Julie was not able to attend the telecon but indicated via email that she needs to connect with Alain to work on updates. A version P1.9 is anticipated prior to the Fall Meetings.	To Alain, Julie: Process P1.8 CRMs to produce ADM P1.9.
b) CDM: No new status.	To Dan: Continue dialog with 18SPCS.
c) Navigation Data - Definitions and Conventions Green Book: Cheryl completed version 3.7 that included processing of the review comments from our final proofreading effort. There were a couple of those comments that required some discussion. David and Cheryl discussed these, and one topic needed to be referred to Oliver Montenbruck for resolution. Based on the outcomes of these discussions, a version 3.8 will be produced and submitted for the Area Director Review and CESG/CMC "approval to publish" polls within the next week.	To Cheryl: Complete version 3.8 To David: Forward 3.8 to Mario for Area Director review and resolution to create approval to publish polls.

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d) Navigation Data Messages Overview Green Book: The document has been in the hands of the Secretariat since 14-Jun-2019. We are hopeful that CESG/CMC Polls for "approval to publish" will commence soon.	None
e) NDM/XML: No discussion. There has been no progress recently on the updates to this document given the priority on other documents and budget issues.	To David: Prepare NDM/XML P1.0.2
f) NEM: Alain was unable to attend so there was no new status on the NEM. Prior to his vacation Alain indicated that he still hopes to produce the first White Book prior to the Fall Meetings.	To Alain: Produce NEM White Book 1.
g) ODM: Dan is working on Pink Book P2.39, but is waiting on a decision regarding the broadly applicable GDOP formulation that Cheryl has an action item to research. Once Dan has this, he can send David a preliminary P2.39 which will be used to prepare the XML implementation of the OCM. Dan will then produce a P2.39 final version for the WG to review. Updates continue to SANA Registries referenced by the ODM.	<p>To Cheryl: Complete GDOP formulation research.</p> <p>To Dan: Prepare P2.39 preliminary version and send to David only.</p> <p>To David: Prepare XML material based on P2.39 preliminary version and return to Dan.</p>
h) PRM: No discussion.	None
i) RDM: The final Red Book document has been in the hands of the Secretariat since 14-Jun-2019. In response to an inquiry to the Secretariat, we have been informed that the CESG/CMC "approval to publish" polls should begin in the next 2 weeks. Publication by end of September 2019 is anticipated (which is good news in terms of our planned post-publication WG ritual).	None
j) TDM: Unfortunately, very little progress on TDM Version 2 has been made recently, primarily due to budget issues. David noted that Ralph Kahle had submitted a request for a small addition to the TDM Version 2; the nature of the addition is such that it would not trigger a second Agency Review of the document, so it will be added. Version 3 was not discussed in this telecon.	<p>To David: Add the 2 new "CORRECTION*" keywords requested by DLR to the document.</p> <p>To All: Continue with TDM V.2 prototyping effort.</p>
3. Fall 2019 Meeting Agenda Draft 0	
<ul style="list-style-type: none"> David presented a "Draft 0" version of the Fall Meetings agenda and requested Lead Editors to review it and notify him of any conflicts with travel dates and/or other work assignments that would prevent being present per the draft. 	<p>To All Lead Editors: review schedule and let David know of travel or other work conflicts.</p> <p>To David: Produced updated draft schedule based on feedback.</p>

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4. Other Discussion	
<ul style="list-style-type: none"> • Dan raised a question regarding references to use of an "ICD". Use of ICDs has fallen out of favor, and he encountered a recommendation to use an ICD in his review of the ADM. David noted that ICDs may still be necessary, but we should try to minimize explicit recommendations to use them. • David noted that the "Abstract Event Definition" Red Book review is now in progress. This definition was previously embedded in the "Planning Information Formats" document, but it has been excerpted. This is part of the construct for the Navigation Events Message, so we should review the document if we have time to do it. • Dan reported that ISO/TC20/SC14 has resolved to establish a common repository for terminology, with that repository being in the SANA Registry. SC14 Points of Contact (POC) are Dan Oltrogge and Fred Slane; SC13 POC is Peter Shames. • SC14 NWIP on rendezvous and on-orbit servicing may require some CCSDS work. 	<ul style="list-style-type: none"> • ICD: None • Event Definition: Alain, Fran, Frank should try to review, file RIDs as needed. Others are welcome to review it too. • Terminology: David should let Peter Shames know about plan to use SANA for terminology. • NWIP: None at this time
5. Next Telecons	
<p>Proposed Telecon Schedule (all Times UTC)</p> <ul style="list-style-type: none"> • 11-Sep-2019 13:00 UTC • 09-Oct-2019 13:00 UTC • 21-Oct-2019 Fall 2019 Meetings commence 	<p>To David: Send out meeting invitation and Webex info.</p>