

|                             |             |
|-----------------------------|-------------|
| CCSDS Navigation WG Telecon | 11-Sep-2019 |
|-----------------------------|-------------|

**Attendees:** David Berry, Frank Dreger, Julie Halverson, Ralph Kahle, Alexandru Mancas, Fran Martinez, Patrick Zimmerman.

| Notes  | Action  |
|--|---|
| <b>1. SANA Registry Status</b>   |   |
| David showed the status of the Nav WG SANA registries. All of the registries required for the RDM have been created, but we ran into a procedural wrinkle in that all these registries are supposed to be in "Approved" status prior to opening the "approval to publish" polls, according to Tom (but I read the governing document and I think it's ambiguous). Consequently, Tom Gannett was not able to get the RDM into the most recent round of polls. [Note: subsequent to the meeting, David met with Peter Shames, the System Engineering Area Director in charge of SANA, and we received conditional approval to move the registries to approved.] Additionally, 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: Continue follow up with SANA team to address action items raised by Shames' conditional approval. |
| <b>2. Action Items Review &amp; Other Document Status</b>  |   |
| Action Items from/since the Mountain View meetings and general document status were discussed and dates were updated. Many action items remain outstanding, perhaps natural for a meeting immediately post-summer. 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: Version 2 updates are in progress. Comments from the internal WG review of ADM Pink Book version P1.8 are being applied to the document. A version P1.9 is anticipated prior to the Fall Meetings. Julie has offered to assist Alain in resolving the comments, particularly for those in the ACM section.   | To Alain, Julie: Process P1.8 CRMs to produce ADM P1.9.   |
| b) CDM: Neither Brian nor Dan could participate in the telecon, so there is minimal new status. A prioritized list of modifications has been proposed by Brian. The US Air Force may participate in the Fall Meetings (probably via telecon), but that has not been confirmed.   | To Brian, Dan, and David: Evaluate Brian's proposed list of modifications.                                  |
| c) Navigation Data - Definitions and Conventions Green Book: Version 4 updates have been completed. The final draft (3.8) has completed Area Director review and has been submitted to the Secretariat for CESG/CMC "approval to publish" polls. The Secretariat has acknowledged receipt of the final draft as of 06-Sep-2019.  | None, except to wait for Secretariat to create poll.  |

| Notes   | Action   |
|---|--|
| 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. No change since last telecon.  | None, except to wait for Secretariat to create poll.   |
| e) NDM/XML: There has been very little progress recently on the updates to this document given the priority on other documents and budget issues. There was no discussion of the document except topics related to the RDM schema. Recently an updated version of the schema set (Version 1.0.C) was posted to SANA in order to accommodate the Re-Entry Data Message schema. Some work preparatory related to this document update was included in the schema set update.        | 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. No change since last telecon.   | To Alain: Produce NEM White Book 1.  |
| g) ODM: Version 3 updates are in progress. Cheryl completed her GDOP action item. Updates continue to SANA Registries referenced by the ODM. An updated draft of Pink Book version P2.39 is anticipated shortly before the Fall 2019 Meetings.  | To Dan: Continue preparation of P2.39 draft.   |
| h) PRM: No discussion.  | None   |
| i) RDM: The final Red Book document has been in the hands of the Secretariat since 14-Jun-2019. The Secretariat has informed us that the document preparation is complete and ready for the CESG/CMC "approval to publish" polling. However, due to SANA Registry technicalities, the polls cannot begin at this time (see above). The issues with the SANA may take some time to resolve. We still hope for publication prior to 21-Oct-2019, but that is no longer anticipated. | To David: Work with Peter Shames to resolve SANA registry issues related to the RDM.   |
| j) TDM: Unfortunately, very little progress on TDM Version 2 has been made recently, primarily due to budget issues and priorities to get the 2 Green Books and the RDM published. A P1.3 version was recently created to accommodate a small, late breaking request from DLR/Ralph Kahle. Prototyping discussions continue. Version 3 work is in the very early stages, and was not discussed in this telecon.   | To All: Continue with TDM V.2 prototyping effort.  |
| <b>3. Fall 2019 Meeting Agenda Draft 2</b>  |  |
| <ul style="list-style-type: none"> <li>David presented a "Draft 2" 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.</li> <li>David indicated that he would check with Julien regarding the SANA Operator presence at Darmstadt.</li> </ul>   | <p>To All Lead Editors: review schedule and let David know of travel or other work conflicts.</p> <p>To David: Produce updated draft schedule based on feedback.</p> |

| Notes   | Action   |
|---|--|
| <ul style="list-style-type: none"> <li>• Alexandru suggested the Nav WG RDM celebration be moved to Monday so as to avoid conflict with the projected MOIMS dinner date. He has a place in mind.</li> <li>• David noted that only a few WG members have registered to date. All those planning to attend should register <b>before</b> 11-Oct-2019, the "close of registration" date. (it's VERY difficult to register after they've closed registration).</li> </ul> |  |
| <b>4. Other Discussion</b>  |  |
| <ul style="list-style-type: none"> <li>• None</li> </ul>  | <ul style="list-style-type: none"> <li>• None</li> </ul>     |
| <b>5. Next Telecons</b>   |  |
| <p>Proposed Telecon Schedule (all Times UTC)</p> <ul style="list-style-type: none"> <li>• 10-Oct-2019 13:00 UTC (***) ONE DAY LATER THAN ORIGNALLY PLANNED (***)</li> <li>• 21-Oct-2019 Fall 2019 Meetings commence</li> </ul>  | <p>To David: Send out meeting invitation and Webex info.</p> |