

CCSDS Navigation WG Telecon	09-Feb-2022
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**Attendees:** David Berry, Vitali Braun, Frank Dreger, Julie Halverson, Ralph Kahle, Alain Lamy, Jose Miguel Lozano, Dan Oltrogge.

Notes	Action
<b>1. ODM 3.0 Status</b>	
<ul style="list-style-type: none"> <li>Dan stated that the ODM had been updated with RID dispositions, and he has returned the RID documents with dispositions to David. David indicated that next steps were for him to provide the RID dispositions to the reviewers. Also, it is now time to "freeze" the document prior to publication. It is also now time to focus on the prototype testing. Dan indicated that Luc Maisonobe of Orekit is largely ready with his prototype (may have to tweak a bit based on RIDs). Dan stated that he was behind on the Comspoc prototype, but acknowledged that this is now the priority for the ODM to bring it to completion.</li> </ul>	<p>To David: Send RID dispositions to reviewers.</p> <p>To Dan: Focus on the test plan and the Comspoc prototype. Coordinate with Luc/Orekit.</p>
<b>2. ADM 2.0 Status</b>	
<ul style="list-style-type: none"> <li>Alain indicated that the CRM updates from the P-1.12 proofreading review have all been applied. He will do a final check and pass to Julie for her checkout. Once the document is forwarded to David, he will send to Mario Merri for the Area Director review and resolution to initiate the CESG/CMC polls required for Agency Review.</li> <li>Additionally, it is a very good time for Alain &amp; Julie to start considering a prototype testing plan for the ADM because once the document draft is turned over to the Secretariat, there will be at least 5.25 months where no other ADM action is possible: <ul style="list-style-type: none"> <li>Area Director Review &amp; Resolution: one week</li> <li>Secretariat Document Processing: two months</li> <li>CESG/CMC Polls for Agency Review: one month</li> <li>Agency Review: two months</li> </ul> </li> <li>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.).</li> </ul>	<p>To Alain: Final ADM checkout, send to Julie. Start thinking about test plan.</p> <p>To Julie: Final ADM checkout, send to David. Start thinking about test plan.</p> <p>To David: Check XML section. Forward to Mario, request resolution for polling.</p>
<b>3. CDM 2.0 Status</b>	
<ul style="list-style-type: none"> <li>Brian was unable to attend, so there was no discussion of the CDM. We do anticipate an updated draft in March.</li> </ul>	To Brian, Dan: Complete CDM P1.0.2
<b>4. Action Item Status</b>	
<ul style="list-style-type: none"> <li>Action items from the Fall 2021 Meetings were reviewed, and new dates assigned for items that were behind schedule.</li> </ul>	To David: send updated Action Items document with telecon minutes. Also post to CWE.

Notes	Action
<b>5. Review contents of SANA Registry CDM CATALOG NAME</b>	
<ul style="list-style-type: none"> <li>David stated that he has an action item to send updates to the SANA team for the CDM_CATALOG_NAME, but could not find the details of the updates. After several minutes discussing, this item was postponed until the next telecon. Dan did mention that he had a list of SSA operator catalogs (e.g., Starlink) that he could send to David for inclusion in the SANA.</li> </ul>	<p>To Dan: Send list of operator catalogs to David.</p> <p>To David: Prepare list for inclusion in SANA.</p>
<b>6. Document Status</b>	
<ul style="list-style-type: none"> <li>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.</li> </ul>	<p>To David: Report document status to Mario and Marc.</p>
a) ADM: See status on agenda item #2 above.	See action items on agenda item #2 above.
b) CDM: See status on agenda item #3 above.	See action items on agenda item #3 above.
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) NDM/XML Specification: David noted that he and Jose Miguel has been discussing the schema naming convention, and that a draft proposal for a revised schema naming system has been prepared and will be shared with the WG and the SANA team soon. If accepted, the proposed system should eliminate a number of problems that have been experienced with the NDM/XML over the last few years. This will be on the agenda for next telecon.	<p>To David: Revise draft after Jose Miguel's review. Add to agenda for 09-Mar-2022 telecon.</p>
f) NEM: No discussion in this meeting. NEM has been deprioritized to allow Alain to focus on working with Julie to complete the ADM.	<p>To Alain: Prepare NEM initial draft if feasible given ADM priority.</p>
g) ODM: See status on agenda item #1 above.	See action items on agenda item #1 above.
h) PRM: No discussion in this meeting.	None
i) RDM: No discussion in this meeting.	None
j) SANA: Discussion in this meeting regarding CDM_CATALOG_NAME, NDM/XML schemas. Several action items for SANA updates are outstanding, but are not time-critical. We will need to address SANA items required for the ADM very soon.	<p>To David: Schedule ADM SANA discussion.</p>
k) TDM: No discussion in this meeting. A first draft TDM P-2.0.1 will possibly be available prior to the Spring Meetings.	<p>To Cheryl: Work on initial draft.</p>
<b>7. Other Discussion</b>	
<ul style="list-style-type: none"> <li>Ralph noted that the Call for Papers for the next meeting of the International Symposium on Space Flight Dynamics (ISSFD) has</li> </ul>	<p>To All: Check out the website...</p>

Notes	Action
<p>been posted at The 28th International Symposium on Space Flight Dynamics (ISSFD 2022) is jointly organized by the Chinese Academy of Sciences (CAS), State Key Laboratory of Astronautic Dynamics (ADL), and Beihang University (Beijing University of Aeronautics and Astronautics, BUAA). The 28th ISSFD will be held in Beijing, China and the anticipated date is from 29 August to 2 September 2022. Considering the ongoing worldwide spread of Corona virus, ISSFD 2022 is planned to be a hybrid online and onsite conference. For more details please visit the 28th ISSFD website at <a href="https://issfd-28.casconf.cn/">https://issfd-28.casconf.cn/</a></p>	
<p><b>8. Next Telecons</b></p>	
<ul style="list-style-type: none"> <li>• 09-Mar-2022 14:00-15:00 UTC</li> <li>• 06-Apr-2022 13:00-14:00 UTC</li> <li>• 27-Apr-2022 13:00-14:00 UTC (if necessary for final Spring Meeting prep)</li> <li>• 09-May-2022 thru 13-May-2022 Spring 2022 Meetings (nominal dates) at Huntsville, Alabama, USA</li> </ul>	<p>To David: Send out meeting invitations and Webex info</p>