CCSDS Navigation WG Telecon	12/13/2023

Attendees: David Berry, Vitali Braun, Juan Crenshaw, Frank Dreger, Cheryl Gramling, Julie Halverson, Ralph Kahle, Kiyoshi Hamada, Hideaki Hinagawa, Alain Lamy, Jose Miguel Lozano, Dan Oltrogge, Patrick Zimmerman.

Notes	Action
0. Confirm Minutes of Fall Minutes	
• David sought to confirm the minutes of the Fall Meetings so they could be finalized. Alain requested some additional time to review the minutes.	To Alain, and others who have not yet reviewed: Review the Fall Meeting Minutes & respond to David.
1-3. Document Statuses	
• The status of selected documents in progress was reviewed. Documents are sorted below in alphabetical order.	To David: Report "simple" doc status to MOIMS AD.
• **ADM**: Until recently we presumed that the ADM publication should occur before year's end. However, the CESG "Approval to Publish" poll ended with Conditions, and the Area Director who raised the Conditions has not responded to the proposed resolutions. Thus, the ADM is in limbo until perhap early January 2024. After the CESG Poll conditions are eventually satisfied, there will be a CMC "Approval to Publish" poll.	To David: Follow up with CESG regarding Poll Conditions. To Secretariat: Initiate CMC Poll once CESG Poll Conditions are satisfied.
• **CDM:** Brian recently distributed the CDM P-1.0.7 draft based on the technical/proofreading review of P-1.0.6. David submitted the required materials to the MOIMS Area Director for the Resolution required to commence Secretariat document processing and Agency Review. David noted that historically once a standard is out of the hands of the Working Group, it is generally about a year until it is published. Dan indicated that he and Brian had provided the document to the GSFC CARA for and USSF 18th Squadron for their review and commentary. David noted that we would treat their input as "internal RIDs" once the Agency Review formally starts. As part of one CDM-related Action Item, David inquired whether or not a full internal proofread of CDM P-1.0.7 was necessary; he proposed that it was not necessary. Dan suggested that a review of just the new technical material in P-1.0.7 should be reviewed.	To Brian and Dan: Retain feedback from NASA/CARA and USSF 18th until Agency Review starts, then enter RIDs. To David: Commence CDM P-1.0.7 internal review of new technical material.
• **FDM (Fragmentation Data Message):** David noted that no CMC "New Project" poll had yet commenced. Subsequent to the meeting he followed up with the CCSDS Technical Support, which indicated that they had held the poll request thinking that they would bundle it with other polls. But no new polls had been requested since we made our request, so they said they would start	To David: Reiterate Nav WG request for FDM CMC Poll.

Notes	Action
our "New Project" poll. I just checked the CMC queue, and 2 new polls have been started, but neither of them is our new project poll.	
• **LDM:** No discussion in this meeting.	None.
• **Navigation Data - Definitions and Conventions (NDDC):** No discussion in this meeting.	None.
• **Navigation Data Messages Overview (NDMO):** No discussion in this meeting.	None.
• **NDM/XML Specification:** David noted that work has not yet resumed on the NDM/XML V.4 due to FY24 startup priorities. However, that will be completed soon. There will also be a need for a set of schemas to conform with the CDM P-1.0.7 prior to the commencement of the CDM Pink Book Agency Review. The ADM V.2 schemas and V.4 utility schemas (master, namespace, common) have been posted on the nav.sanaregistry.org site, and are ready to be moved to Production concurrent with the ADM V.2 publication.	To David: Complete NDM/XML Version 4 Pink Book 3.0.1.
• **NEM:** No discussion in this meeting.	To Alain: Prepare White Book 1.0 for discussion at the Spring Meetings.
• **NFM (Navigation Functions Message):** No discussion in this meeting.	To Dan: Distribute draft of the NIST paper (insofar as this is possible under terms of assignment).
• **ODM:** No discussion in this meeting.	None
• **PRM:** No discussion in this meeting.	None
• **RDM:** No discussion at these meetings.	None
• **SANA:** David reiterated that the NDM/XML 4.0 schemas are posted on the nav.sanaregistry ready for publication with the ADM. Dan proposed some revisions to the SANA "Operational Status" registry (https://sanaregistry.org/r/operational_status/), which provides values for the OPS_STATUS keyword in the ODM and CDM.	None
• **TDM:** Juan reported that the TDM P-2.0.2 is still in progress as he applies inputs from the Fall Meetings. He and Jose Miguel spent a short time discussing issues with an example TDM provided by Jose Miguel related to TDOA (time difference of arrival) and FDOA (frequency difference of arrival) data types that are in the process of being added to the TDM.	To Juan: Complete development of TDM P-2.0.2
4. Action Item Update	**Action**
• We reviewed outstanding action items, made date changes and status changes as necessary.	To David: Send updated action item list with minutes.
5. Any Other Business	**Action**
• None	None

Notes	Action
6. Next Telecons/Meetings	**Action**
10-Jan-2024 14:00-15:00 UTC 07-Feb-2024 14:00-15:00 UTC 06-Mar-2024 14:00-15:00 UTC 10-Apr-2023 13:00-14:00 UTC 29-Apr-2024 through 03-May-2024 Spring Meetings at Washington, D.C., USA NOTE: - US Daylight Savings Time begins 10-Mar-2024 - Europe Daylight Savings Time begins 31-Mar-2024	To David: Send out MS Teams invites for virtual attendees