# CCSM Teleconference Notes, 04 June 2024

# Attendees

O. Albina, E. Barkley, W. Eddy, M. Gnat, C. Haddow, H. Keliher, T. Pham, M. Unal, K. Yoichi, M. Yuusuke

# Agenda (as modified during the teleconference) and notes

## General Announcements

1. CESG has approved prototype waiver for SC-CSTS (based on new functionality re CSTS framework still needs to go through agency review process)
2. Lunar Interoperability Forum was held on May 7; ~220 attendees (91 attendees in-person, 130+ on-line); NASA Luna Net, ESA Moonlight, and JAXA Lunar Navigation Satellite System among the agency plans presented; lot of good industry/academia inputs from off-the-shelf DTN nodes to coordinated lunar time
3. Draft outline of CDDS Greenbook is progressing nicely – thank to H. Dreihahn
4. MOIMS Mission Operations – Mission Planning and Scheduling Services R-1 is out of agency review – inputs due by July 15
5. Fall meetings confirmed to be in London (exact location to be confirmed)

## Action Items Check

1. 1 action item(s) closed
2. 0 action items postponed
3. 2 new action items
4. 15 action items open
5. See updated spreadsheet for details
6. Spring Meetings notes check
7. Performed some minor updates while reviewing the notes on updates to the CDE
   1. See item 5 below re FRM FRIN concerns
8. Agreed that the aliasing/name translation scheme (for space user node and ground station identifiers) will be contained to the future SSF; i.e. will not be broadly applicable/adopted in the CDE
9. No other additions/comments to the notes
10. Any further comments, if any, requested by June 7

## Auto-generation of XML Schema form UML model

1. C. Haddow walked through presentation “Papyrus UML Parser” (which has been uploaded to the CWE – available at <https://cwe.ccsds.org/css/docs/CSS-SM/Meeting%20Materials/2024/Telecons/Papyrus%20UML%20Parser%2020240604.pptx?d=w40d90cdec1c14b03af9231bb26d9b24b> )
2. a couple of issues, to date, have been identified, which require a bit of manual cleanup
3. C. Haddow plans to move form successful proof of concept efforts to an Eclipse Plug-in and user guide and maybe JSON generation
4. E. Barkley expressed concern about C. Haddow becoming a single point of failure
   1. M. Gnat, C. Haddow concurred

## Confirmation of FRIN “solution” re ModResParm etc. (from Spring mtgs)

1. noted that using what is afforded by the FRM for distinguishing functional resource instances (i.e. the OID and the functional resource instance number) does not quite address the use case for configuration profiles that are not making use of the FRM
2. After some discussion it was not quite clear how to update/define the CDE “ModResParm” properly
3. M. Gnat took an action to write a write up on the usage of ModResParm in relation to the SMURF and CDE (“using” recommendations for the CDE)
4. a splinter session to review the right of has been scheduled for July 1

## SPDF Prototyping status

1. A. Crowson has resumed prototyping activity for ESA
   1. ~1/3 of the test cases from ESA have been sent to DLR
   2. remaining 2/3 test cases will be sent in the very near future
2. Projected to have prototype test report by the end of June
3. the SPDF will remain on the blue book track

## Closing out SSF 5-year refresh items

1. E. Barkley reported that the only open item requiring follow-up is the translation/aliasing approach which is to be checked with NASA/DSN representative
2. E. Barkley also noted that likely additional parameters such as light-time and bandwidth to support DTN Network Management could easily be accommodated via existing SSF extensibility mechanism

## Test environment – taking advantage of GitHub

1. C. Haddow introduced the main point of the proposed approach to the WG, lsted below. WG concurred.
   1. For every book once it is ready for testing a new GitHub repository is created.
   2. The schemas for testing (and any required additional schemas) are copied into the repository.
   3. All test XML examples are put into the repository as and when they are created (i.e. we use GitHub both as config control and interchange mechanism (replacing CWE for the latter)).
   4. Each testcase has a separate test log document. The test log document should be done using mark down so that it can also be included in the repo. (This would replace the current use of Excel - it should be straightforward to come up with a markdown test log template based on what we currently have in Excel).
   5. Releases on the test repo can be created as and when required, e.g. once the initial schemas have been loaded, when significant phases of the testing have been completed etc. This would give a clear history of the testing and any issues found and resolved.

## AOB

1. Welcome to Oana Albina joining us from DLR.

## Next Teleconference

Our next teleconference is scheduled for July 2.