CCSDS SOIS Area Fall 2019
SOIS APP & SUBNET Joint WG (31th) Meeting Agenda

21st – 24th October 2019 (4 days)

Objectives:

Primary

- Discuss the SEA SOIS / MOIMS Yellow Book, CCSDS 870x10y1
- Discuss SEA Application and Support Layer (ASL) Green Book
- Resolve issues with CBOR type encoding in SEDS propose updates
- Discuss concept of SEDS definition of operational interfaces for CCSDS protocols and common services
- Review Specification for Dictionary of Terms for EDS (876.1). Generate resolution for agency review
- Review 870.1 Green book updates and generate resolution for agency review
- Review and update Subnetwork service books
- Lunar Gateway use cases
  - Discuss silvered SOIS File store service book include Subnetwork interfaces with focus on EDS definition
  - Discuss silvered SOIS packet store service book include Subnetwork interfaces with focus on EDS definition
  - Discuss Discovery services
- Discuss future work.
  - Develop schema for Subnetwork Management Information Base (MIB)
    - May require new blue book or appendix to existing blue book
  - Create SEDS and DOT terms for command and telemetry of existing standard interfaces. (Not APIs)
    - ECSSS-E-70-41C PUS service interfaces (limited set of common)
    - CFDP, DTN BP, AMS, NASA cFS Software Bus, Unified Space Data Link Protocol (USLP)
    - How to work with vendors to create device interface data sheets
  - Inclusion of ESA study schema/terms for thermal, power, mass properties
  - Discuss EDS for use with wireless subnetwork protocol stacks
- Liaison with other CCSDS and external groups, MOIMS, DTN, SEA, SEA-Time.
  - Joint meetings with other WGs is TBR

Secondary

- None

Notes:

1. Discussion topics are general, there will not be enough time to cover them all in depth
2. We will take 5-10 minute breaks every hour or so as needed.
3. Call in for Joe only in afternoons. Arrange telecon number
4. Ramon Krosley and others will be representing SOIS-APP WG at SEA-SA schedule adjustments may be made.
Monday 21 October 2019

08:45 – 09:45
  • **CCSDS Plenary**

09:55 – 10:00
  • *Wilmot*: Welcome, goals, agenda and opening remarks.

10:00 – 12:30 SEDS Updates
  • *All*: Resolve issues with CBOR type encoding in SEDS, propose book updates

Lunch 12:30 – 13:30

13:30 – 17:30
  • *All*: Discuss concept of SEDS definition of operational interfaces for CCSDS protocols and common services (Lunar Gateway use case?)
  • *All*: Discuss SEA Application and Support Layer (ASL) Green Book
  • *All*: Review 870.1 Green book updates with ASL Green Book

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Tuesday 22 October 2019 (Marek not available)

08:45 – 12:30 Joint Meeting with SEA
  • *All*: Discuss the SEA SOIS / MOIMS Yellow Book, CCSDS 870x10y1,
  • *All*: Discuss SEA Application and Support Layer (ASL) Green Book

Lunch 12:30 – 13:30

13:30 – 15:30
  • *All*: Review Specification for Dictionary of Terms for EDS (876.1). Generate resolution for agency review

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Wednesday 23 October 2019

08:45 – 12:30
  • *All*: Review 870.1 Green book updates and generate resolution for agency review

Lunch 12:30 – 13:30

13:30 – 14:30 MOIMS SM&C joint meeting

14:30 – 15:30
  • *All*: Discuss services, file and packet store, discovery, time …
  • *All*: Review and update Subnetwork service books

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Thursday 24 October 2019

08:45 – 12:30 Future Work
• Develop schema for Subnetwork Management Information Base (MIB)
• May require new blue book or appendix to existing blue book
• Recently public SAVOIR service mapping to SEDS
• Create SEDS and DOT terms for command and telemetry of existing standard interfaces. (Not APIs)
• ECSSS-E-70-41C PUS service interfaces (limited set of common)
• CFDP, DTN BP, AMS, NASA cFS Software Bus, Unified Space Data Link Protocol (USLP)
• Inclusion of ESA study schema/terms for thermal, power, mass properties
• Discuss EDS for use with wireless subnetwork protocol stacks
• How to work with vendors to create device interface data sheets

Lunch 12:00 – 13:30

13:30 – 17:30
• Overall planning, reporting and wrap up.

Friday 25 October 2019

08:45 – 17:45 Wilmot, and He attending CESG meeting