

SLS Meeting Objectives: 1/2

- **RF & Modulation WG**

- **401.0-B RF & Modulation:**

- Turn-around ratios for EESS 7/8 GHz **Red 2.6.11A** Review of RIDs
 - Stations sweep specifications **Pink 2.1.4A/B** Review of RIDs
 - Telemetry ranging Finalization of draft Recommendation
 - Flexible turn-around ratios and MSPA Initial recommendation discussion
 - GMSK+PN ranging Recommendation update discussion
 - Station frequency stability Recommendation update discussion
 - **ACHIEVEMENTS:** ; 401.0-B-28 Radio Frequency and Modulation Systems (**updates to Turn-around ratios for EESS 7/8 GHz & Stations sweep specifications**) . Issue 28. February 2018 **Published**; 413.0-G Bandwidth-Efficient Modulations: Summary of Definition, Implementation, and Performance” Issue 3 **Published**;

To be updated by Enrico

- **Space Link Code/Sync WG**

- Proximity-1 C&S Sublayer 211.2-B Start update for USLP adaptation
 - VCM Blue Book 431.1-B Check of the status (concept paper, simulations...) (**with RFM**)
 - SCCC Blue Book 131.2-B Propose extension as part of 5-year review (**with RFM**)
 - DVB-S2X Orange Book 131.6-O First draft to be presented to WG (**with RFM**)
 - SCCC Green Book 130.11-G Start WG review to finalize draft for publication (**with RFM**)

- **Space Link Protocols WG**

- USLP Final Updates to USLP Red book
Discuss progress on USLP Interoperability Testing (NASA and DLR)
Start work on updated Proximity-1 Coding Book (**with C&S**)
Review updated USLP Green Book
 - SDLP Books Discuss Corrigenda on TM, TC, AOS (Preparing for 5-year Review)
 - SPP Revision Discuss Revision Plan & identify areas to be modified

SLS Meeting Objectives: 2/2

- **Space Data Link Security (SDLS) WG**

- Extended Protocol Blue Book 355.1 Review of last modifications introduced in draft **RED** Book v1
Review final interoperability testing results
- Extended Protocol Green Book 350.5 Review contributions
 - **ACHIEVEMENTS:** 350.5-G SDLS Core Protocol Green Book: (**Waiting CESG Poll to be Published**); 355.1-R DSLS Extended Procedures: (**Waiting CESG Poll to**) **start Agency review**;

- **Multispectral & Hyperspectral Data Compression (MHDC) WG**

- CCSDS-123.0-B: Lossless/Near-Lossless Compression (Issue 2 Extension of CCSDS-123.0-B)
 - Review recent changes (Draft Pink Book queued to start Agency review)
 - Review cross-verification progress. Establish timeline to complete Yellow Book.
- CCSDS-124.0-B: Compression of “housekeeping-like” telemetry data
 - Establish selection criteria & Review and assess test data
- CCSDS-120.2-G: Update to issue 2 to cover additional features added in CCSDS-123.0-B-2
 - Establish topics to be updated / added, make writing assignments
- CCSDS-120.3-G, “Spectral Pre-processing Transform for Multispectral & Hyperspectral Image Compression”
 - Resolve for publication (book supports recently released 122.1-B)

- **Optical Communications WG**

- Optical Communications “Physical Layer” and “Coding & Synchronization” Blue Books.
 1. Deep Space Scenario: High Photon Efficiency (HPE) Scenario – Resolve Agency Reviews RIDs for Physical Layer book and finalize Draft Red Book for Coding Layer to submit for agency review.
 2. Near Earth Scenario for Low Complexity (O3K) Systems: Work towards reaching a consensus on Optical On-off Keying (O3K) physical layer.
- High Data Rate (HDR) Near Earth Scenario: Agree on resolution for publication of ESA/DLR Orange Book