

SLS - Coding & Synchronization Working Group - Berlin Agenda - ISSUE 2

Tuesday AM: C&S

1. 8:00 - ESA/UniBo input on the CRC Green Book" [1/2 hour]
2. 8:30 - High Data Rate Randomizer (ESA/Polito) [1 hour]
3. 9:30 - Review of CCSDS RECOMMENDATION FOR PROXIMITY-1 SPACE LINK PROTOCOL—CODING AND SYNCHRONIZATION SUBLAYER (includes some preparation for joint) [3/4 hour]

10:15 - Coffee Break

4. 10:30 - UniBo/DLR/ESA [LEC]: Packet Loss Recovery via Maximum-Likelihood LDPC Decoding - Update; DLR+Univ. of Bologna+ESA/ESOC [1/2 hour] + 1/4 hour discussion
5. 11:15 - NASA/JPL "Coding/Modulation tradeoffs for NASA's Constellation Program" [3/4 hour]

12:00 - Lunch

Tuesday PM: C&S

6. 13:00 - NASA: Revised Application Profiles (may be presented by Victor Sank) [3/4 hour]
7. 13:45 - NASA: Position Paper (including patent issues) [1/4 hour]
8. 14:00 - NASA: Lowering the error floor - Trapping set analysis [1/2 hour]

14:30 - Coffee Break

9. 15:00 ESA/ESTEC: Flexible advanced coding and modulation scheme for EES application [1 hour]
10. 16:00 ESA/ESTEC: Supporting results [1/2 hour]

16:30 - Discussion, Review of Actions, AOB.

17:00 - Adjourn

Wednesday: NGU - See dedicated Agenda.

Thursday AM: Joint C&S + RFM + NGU

11. 8:30 - High Data Rate Randomizer (ESA/Polito) [1/2 hour]
12. 9:00 - ESA/UniBo "A remark on frame synchronization" [1/2 hour]
13. 9:30 NASA/JPL "Coding/Modulation tradeoffs for NASA's Constellation Program" [1/2 hour]

10:00 - Coffee Break

14. 10:15 - ESA/ESTEC: Flexible advanced coding and modulation scheme for EES application [1/2 hour]
15. 11:45 - NGU Reporting [1/2 hour]
16. 11:15 - Idle Data/Pattern + Differential Encoding in Proximity-1 [1/4 hour]
17. 11:30 - CNES Red draft proposal for advanced variable coding and modulation for EESS

12:00 - Lunch

Thursday PM: C&S

18. 13:00 - UniGenova/DLR: [LEC] Applying Long Erasure Codes to CFDP [1 hour; possibly joint with SIS Area]
19. 14:00 - NASA/JPL: [LEC] Burst erasure correction with Reed-Solomon codes [1/2 hour]
20. 14:30 - NASA/JPL: [LEC] Analysis of buffer requirements [1/2 hour]

15:00 - Coffee Break

21. 15:15 - LEC & Optical Links, DLR [1/2 hour]
22. 15:45 - NASA/JPL: Presentation for possible BOF on coding/modulation for optical channels [1/2 hour]
23. 16:15 - Revision and Editing for Coding WG Charter [1/2 hour]
24. 16:45 - Finalization of Charter for LEC WG [1/2 hour]

17:15 - Adjourn