

Space Link Services Area

Resolution SLS-R-2021-01-001

Start Agency Review for Pink Sheets to Space Data Link Protocols Blue Books

[CCSDS 132.0, 232.0, 732.0, and 732.1]

12th January 2021

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The Space Link services Area,

CONSIDERING that the Space Link Protocols (SLP) Working Group

- identified the need to update the following Space Data Link Protocols books:
 - 132.0-B “TM Space Data Link Protocol”, due for 5-years review, in order to address integration with 355.1-B and other improvements
 - 232.0-B “TC Space Data Link Protocol”, as the book issued September 2015 is due for 5-years review, in order to introduce a number of improvements

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- 732.0-B “AOS Space Data Link Protocol”, due for 5-years review, in order to address integration with 355.1-B and other improvements
- 732.1-B “Unified Space Data Link Protocol” (USLP), despite the book issued October 2018 is not yet due for 5-years review, in order to limit the Frame Error Control Field options to CRC-16, clarify the way USLP interfaced to TC Coding Layer, clarify options about USLP Truncated transfer Frames, clarify applicability of COP-1 and COP-P, clarify usage of AD and BD Frames when COP-1 is applied, introduce other improvements, etc.
- reviewed the draft update to 132.0-B “TM Space Data Link Protocol”
- reviewed the draft update to CCSDS 232.0-B “TC Space Data Link Protocol”
- reviewed the draft update to CCSDS 732.0-B “AOS Space Data Link Protocol”
- reviewed the draft update to CCSDS 732.1-B “Unified Space Data Link Protocol” (USLP)
- has consensus on requesting to start Agency Review for Pink Sheets to the four recommended standards above mentioned
- **CONSIDERING** that
 - due to the nature of the changes no prototype is required
- **RESOLVES** to request CESG & CMC to approve starting the Agency Review of Pink Sheets for updating

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- i. CCSDS 132.0-B “TM Space Data Link Protocol”,
- ii. CCSDS 232.0-B “TC Space Data Link Protocol”,
- iii. CCSDS 732.0-B “AOS Space Data Link Protocol”,
and
- iv. CCSDS 732.1-B “Unified Space Data Link
Protocol” (USLP)

RECOMMENDS that the CESG & CMC approve this resolution
and finally

REQUESTS that CESG & CMC polls be conducted to accomplish
this.