

Space Link Services Area

Resolution SLS-R-2021-06-005

Publication of “Unified Space Data Link Protocol”

CCSDS 732.1 Blue Book Issue 2

6th June 2021

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The Space Link services Area,

CONSIDERING that the Space Link Protocols (SLP) Working Group

- identified the need to update 732.1-B,, in order to
 - limit the Frame Error Control Field options to CRC-16 (i.e. removing CRC-32 option),
 - 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,

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- etc.
- and then
 - performed Agency Review of the Pink Book
 - discussed and dispositioned all RIDs
 - produced and reached consensus on the updated version of the draft Blue Book
 - the WG has consensus on publishing Issue 3 of this Blue Book
 - the nature of the changes does not require prototype implementation
- **RESOLVES** to request CMC to approve publication of “Unified Space Data Link Protocol” CCSDS 732.1 Blue Book Issue 2
- **RECOMMENDS** that CESG & CMC approve this resolution and, finally
- **REQUESTS** that CESG & CMC poll be conducted to accomplish this.