

The Consultative Committee for Space Data Systems

Space Link Services Area

Resolution SLS-R-2011-02-002

**355.0-R-1 Space Data Link Security
Protocol**

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✦ The Space Link services Area,

✦ **CONSIDERING** that

- ✧ the Space Data Link Security (SDLS) WG has produced a version of the 355.0 book representing the consensus of the WG on the core protocol needed to secure, at the data link layer, the TM, TC, AOS based space links.
- ✧ the proposed SDLS protocol is fully compatible with CCSDS TM, TC and AOS data link protocols, and can provide authentication, integrity and/or confidentiality on the TM/TC links to those missions which need it.
- ✧ the proposed SDLS protocol is compatible with a large range of cryptographic algorithms being standardized within the SEA SecWG, enabling missions to select the most appropriate algorithm.
- ✧ The SEA AD and SecWG concur in the selected approach.

SLS Resolutions to CESG

- ✦ RESOLVES to request CESG/CMC to approve the submission of the draft recommended standard 355.0-R-0 Space Data Link Security Protocol to Agency Review
- ✦ RECOMMENDS that the CESG approve this resolution and, and finally
- ✦ REQUESTS that a CESG poll be conducted to accomplish this.