

The Consultative Committee for Space Data Systems

Space Link Services Area

Resolution SLS-R-2012-05-001

**130.2-G Space Data Link Protocols - Summary of
Concept and Rationale & 230.1-G TC
Synchronization and Channel Coding - Summary
of Concept and Rationale.**

11 May 2012

SLS-R-2012-05-001 (130.2+230.1)

Gian Paolo Calzolari

SLS Area Director

Gilles Moury

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✦ **The Space Link services Area,**

✦ **CONSIDERING** that

✧ CCSDS 232.0-B-2 “TC Space Data Link Protocol“ adds an option for repeated transmissions of Transfer Frames

✧ the Space Link Protocols (SLP) WG performed the implied review and reached consensus on an updated version of CCSDS 130.2-G-1 “Space Data Link Protocols - Summary of Concept and Rationale”

- ✧ CCSDS 231.0-B-2 “TC Synchronization and Channel Coding” adds an option for repeated transmissions of Transfer Frames and updates the Frame Error Control Field Encoding Procedure to be consistent with other CCSDS Space Data Link Protocol specifications;
- ✧ the Coding and Synchronization (C&S) WG performed the implied review and reached consensus on an updated version of CCSDS 230.1-G-1 “TC Synchronization and Channel Coding - Summary of Concept and Rationale” that includes also some improvements and clarifications
- ✧ the work of the 2 Working Groups accomplished better alignment and consistency of the books

SLS Resolutions to CESG

- ✦ **RESOLVES** to request CESG/CMC to approve the publication of Issue 2 for the following Green Books
 - 130.2-G Space Data Link Protocols - Summary of Concept and Rationale
 - 230.1-G TC Synchronization and Channel Coding - Summary of Concept and Rationale

- ✦ **RECOMMENDS** that the CESG approve this resolution, and finally

- ✦ **REQUESTS** that a CESG poll be conducted to accomplish this.