

Space Link Services Area

Resolution SLS-R-2024-10-002

Publication of CCSDS-141.0-B

“Optical Communications

Physical Layer”

Blue Book Issue 2

15th October 2024

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The Space Link services Area,

CONSIDERING that

- the Optical Communications (OPT) WG has reviewed the RIDs to the Pink Sheets and reached consensus on their dispositions,
- the OPT WG has produced and reached consensus on the updated version of the draft Blue Book “Optical Communications Physical Layer” for CCSDS 141.0-B, which

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specifies physical layer attributes for Optical On-Off-Keying (O3K) communications,

- interoperability testing has been conducted to verify compatibility between two independently developed optical communications physical layer implementations by exercising the presence and absence of all normative attributes, both individually and in combination,
- interoperability testing is documented in a related Yellow Book, and
- the OPT WG has consensus on requesting to publish this book

RESOLVES to request GESG/CMC to approve publishing CCSDS 141.0-B-2 “Optical Communications Physical Layer” Blue Book Issue 2

RECOMMENDS that CESG/CMC approve this resolution and, finally

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