

Space Link Services Area

Resolution SLS-R-2016-07-001

Publication of CCSDS 401.0-B “Radio Frequency and Modulation Systems-Part 1” Recommendation 2.4.23

7th July 2016

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The Space Link services Area,

CONSIDERING that the RF & Modulation (RFM) WG

- completed successfully the Agency Review of CCSDS 401.0-B “Radio Frequency and Modulation Systems-Part 1” Blue Book for the following new recommendation
 - 2.4.23 “MODULATION METHODS AT HIGH SYMBOL RATE TRANSMISSIONS, EARTH EXPLORATION SATELLITES (EES) 25.5-27.0 GHZ BAND, SPACE-TO-EARTH”,
- discussed all provided RIDs and dispositions were agreed by the WG

Space Link Services Area

- identified draft blue sheets to CCSDS 401.0-B representing the consensus of the WG
- produced an Interoperability Test Report for Recommendation 2.4.23 documenting that independent and interoperable prototypes/implementations in support of CCSDS 131.3-B and 131.2-B and therefore also of the new Recommendation 2.4.23 have been developed and demonstrated by at least two agencies in simulated operationally relevant environment

CONSIDERING that

- no known patent issues exist (i.e. same patents valid for CCSDS 131.3-B and 131.2-B apply to some options of this recommendation)

RESOLVES to request CESG/CMC to approve Publication of CCSDS 401.0-B “Radio Frequency and Modulation Systems—Part 1: Earth Stations and Spacecraft”

- new recommendation 2.4.23

RECOMMENDS that the CESG approve this resolution and, finally

REQUESTS that a CESG poll be conducted to accomplish this.