

Space Link Services Area

Resolution SLS-R-2022-02-001

Publication of

“Optical High Data Rate Communication – 1550nm Orange Book”

CCSDS 141.10 Orange Book Issue 1

28 February 2022

Ignacio Aguilar

SLS Area Director

Gilles Moury

SLS Deputy Area Director

The Space Link services Area,

CONSIDERING that

- the Optical Communications Working Group has an approved project titled “Optical High Data rate (HDR) communication – 1550nm – Orange Book”
- NASA, CNES and JAXA produced a final draft of the Orange Book that has been exposed to the WG and completed successfully internal WG review

Space Link Services Area

- The WG kept a collaborative attitude on the preparation of the Orange Book (without implying consensus), and
- NASA, CNES and JAXA met all the requirements required for the production of an Experimental Specification
- the Optical Communication Working Group has consensus on allowing publication of this Experimental Specification
- **RESOLVES** to request CMC to approve publication of CCSDS 141.10-O “Optical High Data Rate Communication – 1550nm” Experimental Specification (Orange Book) Issue 1
- **RECOMMENDS** that CESG & CMC approve this resolution and, finally
- **REQUESTS** that CESG & CMC poll be conducted to accomplish this.