Space Link Services Area

Resolution SLS-R-2012-02-002

123.0-B Lossless Multispectral & Hyperspectral Image Compression

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SLS-R-2012-02-002 (123.0)
The Space Link services Area,

CONSIDERING that the Multispectral Hyperspectral Data Compression (MHDC) WG

✧ completed Agency Review of CCSDS 123.0-R-1 “Lossless Multispectral & Hyperspectral Image Compression” Red Book dated May 2011, and
✧ has successfully disposed of all RIDs, and
✧ produced a version of the 123.0 book representing the consensus of the WG on a method for lossless compression of multispectral and hyperspectral image data and a format for storing the compressed data

CONSIDERING that
✧ new features of CCSDS 121.0-B “Lossless Data Compression” Issue 2 are used as part of CCSDS 123.0
RECOGNIZING

- that the proposed method is compatible with other CCSDS Protocols as e.g. Space Packet, CFDP, AOS, etc.
- that interoperability of 3 independent implementations has been verified and documented in associated yellow book
- that patents issues have been properly addressed and there are no patents for this technology that are known by the CCSDS community

RESOLVES to request CESG/CMC to approve the publication of the Blue Book Issue 1

RECOMMENDS that release be synchronized with CCSDS 121.0-B “Lossless Data Compression” Issue 2
SLS Resolutions to CESG

- RECOMMENDS that the CESG approves this resolution, and finally

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