

ECSS Standardization Status

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Status ECSS-E-ST-50-11C SpaceWire Protocols

- Public review of final draft v1.3b was finished on 18 November 2008
- 39 DRRs have been received from within ESA and EuroSpace
- Dispositions for all DRRs were found and agreed and a v1.4 of the document was created
- The Technical Authority representatives have approved the document by vote 12 June 2009
- The document has been finally edited by the ECSS secretariat as a final step before publication

Current Structure of ECSS-E-ST-50-11C

- All SpaceWire protocols are specified in one standard
- Currently there are the following protocols specified:
 - Chapter 5: Protocol Identification
 - Chapter 6: Remote Memory Access Protocol
 - Chapter 7: CCSDS Packet Transfer Protocol
- During the very last review by the ECSS Secretariat the concern was raised:
 - When adding a protocol or updating one chapter the version number of the complete standard has to be changed
 - It can lead to confusion if devices state compliance to version C but the latest version of the standard is already a higher number
- The made the ECSS Secretariat to stop the publication process and to propose a new structure to the Technical Authority

SpaceWire Protocols in ECSS-E-ST-50-5X series

- The different protocols should be standardised in separate standard documents
- The ECSS-E-ST-50-5X series shall be reserved for this purpose:
 - E-50-50: SpaceWire Protocols General Information and Protocol Identification
 - E-50-51: Remote Memory Access Protocol
 - E-50-52: CCSDS Packet Transfer Protocol
 - E-50-53 and following: Additional SpaceWire Protocols
- The changes are regarded as only editorial
- Therefore no new public review process is required
- The changes will be implemented by the ECSS Secretariat
- The resulting documents will be reviewed by the ECSS RMAP WG
- The publication is planned for November of this year
- The Technical Authority still has to approve this change by its vote

New ECSS Work Items for Next Year

- The following SpaceWire related work items have been proposed for standardisation to ECSS starting in 2010
 - Revision of ECSS-E-ST-50-12C
 - New standardisation of the SpaceWire-RT protocol in ECSS-E-ST-50-53