

German report for the 34th meeting of of the ISO/Technical Committee 20/Subcommittee 13

New Standards

No new Standard went through a voting process in the reporting period.

No new Standard was published during the reporting period according the German Standardization Institute (DIN, NA 131-06-01 AA).

Standards for systematic review

The following documents (7) are gone through an ISO review cycle with a positive German vote:

- ISO 22667, 2005: Space data and information transfer systems -- Communication operations Procedure-1
- ISO 22641, 2005: Space data and information transfer systems -- TM (telemetry) synchronization and channel coding
- ISO 15395, 1998: Space data and information transfer systems -- Standard formatted data units -- Control authority data structures
- ISO 22645, 2005: Space data and information transfer systems -- TM (telemetry) space data link protocol
- ISO 22646, 2005: Space data and information transfer systems -- Space packet protocol
- ISO 22642, 2005: Space data and information transfer systems -- TC (telecommand) synchronization and channel coding
- ISO 22664, 2005: Space data and information transfer systems -- TC (telecommand) space data link protocol

Only ISO 22642 will be reissued in an updated version.

Use of standards within DLR projects

All DLR space projects are forced to make use of the standards defined by CCSDS and ECSS, especially coding and frequency standards, packet TM/TC and SLE services.

There are in fact commercial projects supported by DLR, which are not supporting the current standards (e.g. SATCOMBw). There are projects from other CCSDS member agencies, which force us to bypass current standards (e.g. LRO).

Standardization work with for Ukraine

Within an EU-project Germany and Ukraine

- will clarify the adaptation of Ukrainian requirements to the European norms,
- will approximate of Ukrainian norms with European ones.

As another step Germany will train Ukrainians on norms in order to increase qualifications and skills.

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Oberpfaffenhofen, 21.10.2008