

United Kingdom report to ISO TC20/SC13, Jun 2017

CH Perry, 13 June 2017

The adoption of standards produced by ISO TC20/SC13 is overseen by a committee of the British Standards Institute – ACE/68 – in particular sub-group 7 of this committee. This committee also deals with the ISO standards from ISO TC20/SC14.

The default position of this committee is to vote to adopt standards emerging from TC20/SC13 as the necessary scrutiny is considered to have been undertaken within the context of the CCSDS activities.

Activities for 2016

The UK has voted to accept the following documents as international standards.

ISO/DIS 10537	Encapsulation service (CCSDS 133.1-B-2: October 2009)
ISO/DIS 18440	SLE - Internet protocol for transfer services (CCSDS 913.1-B-2: September 2015)
ISO/DIS 18441	SLE -- Application program interface for transfer services -- Core specification
ISO/DIS 18442	SLE - Application program interface for return all frames service (CCSDS 915.1-M-2: September 2015)
ISO/DIS 18443	SLE - Application program interface for return channel frames service (CCSDS 915.2-M-2: September 2015)
ISO/DIS 18444	SLE - Application program interface for return operational control fields service (CCSDS 915.5-M-2: September 2015)
ISO/DIS 18445	SLE - Application program interface for the forward CLTU service (CCSDS 916.1-M-2: September 2015)
ISO/DIS 18446	SLE - Application program interface for the forward space packet service (CCSDS 916.3-M-2: September 2015)
ISO/DIS 21076	Space communications cross support -- Architecture requirements document (based on CCSDS 901.1-M-1)
ISO/DIS 21077	Digital motion imagery (based on CCSDS 766.1.-B-1)
ISO/DIS 21080	Space data and information transfer systems -- Licklider transmission protocol (LTP) for CCSDS (based on CCSDS 734.1-B-1)
ISO/DIS 21323	CCSDS Bundle protocol specification (CCSDS 734.2-B-1: September 2015)
ISO/DIS 21324	Space data link security protocol (CCSDS 355.0-B-1: September 2015)
ISO/DIS 22645	(telemetry) space data link protocol (CCSDS 132.0-B-2: September 2015)
ISO/DIS 22664	(telecommand) space data link protocol (CCSDS 232.0-B-3: September 2015)
ISO/DIS 22666	AOS (advanced orbiting systems) space data link protocol (CCSDS 732.0-B-3: September 2015)

The UK has voted to confirm the following standards as a result of a systematic ISO review since Oct 2016.

ISO 15888:2000	Space data and information transfer systems
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All ISO standards developed by SC13 are adopted by BSI as British Standards as a matter of course.

The information relating to **N1593 Request for discontinuation of ISO/TC 20/SC 13 Working Groups** arose before the committee in January. This raised some initial queries concerning the continued infusion of CCSDS standards through TC20/SC13 and from there to the national standards agencies. Some communication was held with the SC13 chair and we thank him for his help in confirming the continuation dissemination of the CCSDS standards via the ISO route. It is not clear if there are any procedural changes are required but we assume this will be dealt by the secretariat.

Over the course of the last couple of ACE/68 committee meetings there has been some discussion on the relationship of standards released by ISO and CEN. This is broader than SC13. In general there is an agreement to avoid overlap of standards there are some ISO standards that get re-badged by CEN. The requirement for European members to adopt all CEN standards has in a few rare cases raised issues related to potential issues with reissued ISO compared to adopted CEN standards. We would be interested if any of our other European colleagues have encountered this and any strategy that is used to deal with it.