

# Program of Work

## ISO TC20/SC13 Subcommittee - Space data and information transfer systems

ISSUE: JULY, 2014 (Version: 10 September 2014)

**NOTICE 1:** This document is intended to represent a complete form, which is strictly updated on a monthly basis, the Program of Work of ISO TC20/SC13 Subcommittee, based on information drawn from the two following sources: 1) ISO Project Portal; 2) Status of CCSDS Publications which are associated to ISO TC20/SC13 Subcommittee. It also includes all possible, historical documents which have been processed by the Subcommittee, since the beginning.

**NOTICE 2:** The current preceding issues of the Program of Work can be obtained in the Web by clicking over any of the two following 2.1 and 2.2 pointers:

- 2.1 - At the ISO TC20/SC13 Program of Work Folder which can be found at the ISO Livelihood Website of ISO TC20/SC13 Subcommittee.
- 2.2 - At the ISO TC20/SC13 Program of Work Folder which can be found at ISO TC20/SC13 segment of the CCSDS Website.

**NOTICE 3:** Modifications in respect to the previous version of the Program of work are colored in the background.

**NOTICE 4:** This publication is being maintained on a monthly basis with support of the local secretariat of the Subcommittee Chairman.

**NOTICE 5: IMPORTANT** - This publication includes ALL information contained in the current "CCSDS - SC13 Standards Work Program" which is maintained by the ISO TC20/SC13 Secretariat.

**LEGEND:**

**Alert:** Marked with cancelled, project deleted based on TMB Resolution (3 tracks rule)

**Stage Date:** Initial date of current stage

**Limit Date:** Limit date for next stage

**VA:** Legal Organization for project under Vienna Agreement

**Time Frame:** Related to stage

**PA:** Patent Associated, marked with

**ISO SR Date:** Date of Entry for ISO Systematic Review (Entries provided by the subcommittee Secretariat)

Monthly UPDATE of NEW ITEMS introd. by ISO TC20/SC13 Secretariat

Monthly UPDATE of NEW ITEMS introduced by ISO CS

To be sent to ISO CS for PROCESSING

Considered to be UNDER ACTIVE PROCESSING by ISO

Current published documents

Alert	ISO Reference (withdrawal date)	ISO Document title	Reg. date	Current stage	Stage date	PA	Limit date	VA	Time frame	(Sub-) Committee	ID	CCSDS Reference (obsolescence date)	ISO SR Date	Notes
	ISO 10537:2010	Space data and information transfer systems -- Encapsulation service	2006-11-04	60.60	2010-09-10		2015-07-15		48	ISO/TC 20/SC 13	45990	CCSDS 133.1-B-2:2009	2013-09-10	Process Corr. 1 & 2
	ISO 11103:1991	Space data and information transfer systems -- Radio metric and orbit data	1990-09-01	95.99	2007-03-05					ISO/TC 20/SC 13	19092	CCSDS 501.0-B-1:1987		
	ISO 11104:1991	Space data and information transfer systems -- Time code formats	1990-09-01	95.99	2003-12-10					ISO/TC 20/SC 13	19093	CCSDS 301.0-B-2:1990		
	ISO 11104:2003	Space data and information transfer systems -- Time code formats	2002-10-15	95.99	2011-12-05					ISO/TC 20/SC 13	38141	CCSDS 301.0-B-3-S:2002		
	ISO 11104:2011	Space data and information transfer systems -- Time code formats	2011-02-17	60.60	2011-12-05		2016-10-15		36	ISO/TC 20/SC 13	59415	CCSDS 301.0-B-4:2010	2016-12-05	
	ISO 11754:1994	Space data and information transfer systems -- Telemetry channel coding	1991-10-01	95.99	2003-02-12					ISO/TC 20/SC 13	19675	CCSDS 101.0-B-3:1992		
	ISO 11754:2003	Space data and information transfer systems -- Telemetry channel coding	1999-05-18	95.99	2007-03-02					ISO/TC 20/SC 13	33004	CCSDS 101.0-B-5:2001		
	ISO/DIS 11754	Space data and information transfer systems -- Telemetry channel coding	2002-10-15	40.98	2005-10-24					ISO/TC 20/SC 13	38562	CCSDS 101.0-B-6-S:2002		
	ISO 12171:1998	Space data and information transfer systems -- Telemetry channel coding	1992-05-15	95.99	2002-09-26					ISO/TC 20/SC 13	21114	CCSDS 201.0-B-2:1995		
	ISO 12171:2002	Space data and information transfer systems -- Telemetry channel coding	2000-06-28	95.99	2007-03-02					ISO/TC 20/SC 13	34711	CCSDS 201.0-B-3-S:2000		
	ISO 12172:1998	Space data and information transfer systems -- Telemetry channel coding	1992-05-15	95.99	2003-02-10					ISO/TC 20/SC 13	21115	CCSDS 202.0-B-2:1992		
	ISO 12172:2003	Space data and information transfer systems -- Telemetry channel coding	2001-11-21	95.99	2007-03-02					ISO/TC 20/SC 13	36591	CCSDS 202.0-B-3-S:2001		
	ISO 12173:1998	Space data and information transfer systems -- Telemetry channel coding	1992-05-15	95.99	2003-02-10					ISO/TC 20/SC 13	21116	CCSDS 202.1-B-1:1991		
	ISO 12173:2003	Space data and information transfer systems -- Telemetry channel coding	2001-10-19	95.99	2007-03-02					ISO/TC 20/SC 13	36447	CCSDS 202.1-B-2-S:2001		
	ISO 12174:1998	Space data and information transfer systems -- Telemetry channel coding	1992-05-15	95.99	2003-02-12					ISO/TC 20/SC 13	21117	CCSDS 203.0-B-1:1987		
	ISO 12174:2003	Space data and information transfer systems -- Telemetry channel coding	2001-10-19	95.99	2007-03-05					ISO/TC 20/SC 13	36446	CCSDS 203.0-B-2-S:2001		
	ISO 12175:1994	Space data and information transfer systems -- Standard formatted data units -- Structure and construction rules	1992-05-15	90.92	2012-07-03					ISO/TC 20/SC 13	21118	CCSDS 620.0-B-2:1992	2014-12-31	Cor. 1 (Nov. 1996) needs ISO processing
	ISO/CD 12175	Space data and information transfer systems -- Standard formatted data units -- Structure and construction rules	2012-07-03	30.99	2012-07-03		2014-07-03 (Cancellation date: 2015-01-03)		48	ISO/TC 20/SC 13	62470	CCSDS 620.0-B-2		
	ISO 13419:1997	Space data and information transfer systems -- Packet telemetry	1992-11-15	95.99	2003-02-10					ISO/TC 20/SC 13	21968	CCSDS 102.0-B-4:1995		
	ISO 13419:1997/CD Amd 1	Space data and information transfer systems -- Packet telemetry -- Amendment 1	2000-11-30	30.98	2001-10-12					ISO/TC 20/SC 13	35681			
	ISO 13419:2003	Space data and information transfer systems -- Packet telemetry	2001-10-12	95.99	2007-03-05					ISO/TC 20/SC 13	36479	CCSDS 102.0-B-5-S:2000		
	ISO 13420:1997	Space data and information transfer systems -- Advanced orbiting systems -- Networks and data links -- Architectural specification	1992-11-15	95.99	2007-03-05					ISO/TC 20/SC 13	21969	CCSDS 701.0-B-2:1992		
	ISO/DIS 13420	Space data and information transfer systems -- Advanced orbiting systems, networks and data links -- Architectural specification	2001-10-19	40.98	2004-11-03					ISO/TC 20/SC 13	36450	CCSDS 701.0-B-3-S:2001		
	ISO 13526:2010	Space data and information transfer systems -- Tracking data message	2009-02-26	90.92	2012-07-03				36	ISO/TC 20/SC 13	53884	CCSDS 503.0-B-1:2007	2013-09-10	Technical Corr 1 for ISO processing
	ISO/CD 13526	Space data and information transfer systems -- Tracking data message	2012-07-03	30.99	2012-07-03		2014-07-03 (Cancellation date: 2015-01-03)		48	ISO/TC 20/SC 13	62472	CCSDS 503.0-B-1	2014-07-03	
	ISO 13527:2010	Space data and information transfer systems -- XML formatted data unit (XFDU) structure and construction rules	2009-03-05	60.60	2010-09-10		2015-07-15		36	ISO/TC 20/SC 13	53985	CCSDS 661.0-B-1:2008	2013-09-10	
	ISO 13537:2010	Space data and information transfer systems -- Reference architecture for space data systems	2009-03-05	60.60	2010-09-29		2015-07-15		36	ISO/TC 20/SC 13	53986	CCSDS 311.0-M-1:2008	2013-09-29	
	ISO 13541:2010	Space data and information transfer systems -- Attitude data messages	2009-03-05	60.60	2010-09-10		2015-07-15		36	ISO/TC 20/SC 13	53987	CCSDS 504.0-B-1:2008	2013-09-10	
	ISO 13764:1996	Space data and information transfer systems -- Standard formatted data units -- Control authority procedures	1993-05-01	90.60	2014-06-18					ISO/TC 20/SC 13	22845	CCSDS 630.0-B-1:1993	2019-07-14	Reaffirmed 2014-07-14
	ISO/DWD 14712	Space systems -- Mission operations functions	1994-11-01	20.98	1995-07-13					ISO/TC 20/SC 13	24682			
	ISO 14721:2003	Space data and information transfer systems -- Open archival information system -- Reference model	1994-11-01	95.99	2012-08-21					ISO/TC 20/SC 13	24683	CCSDS 650.0-B-1-S:2002	Under Revision	Report of Voting on DIS submitted to ISO/CS (2/17/2011)
	ISO 14721:2012	Space data and information transfer systems -- Reference Model for an Open Archival Information System (OAIS)	2010-08-19	60.60	2012-08-21				36	ISO/TC 20/SC 13	57284	CCSDS 650.0-M-2:2012	2017-09-01	Published: 9/1/2012
	ISO 14961:1997	Space data and information transfer systems -- Parameter value language specification	1995-05-01	95.99	2002-10-10					ISO/TC 20/SC 13	26095	CCSDS 641.0-B-1:1992		
	ISO 14961:2002	Space data and information transfer systems -- Parameter value language specification	2000-06-28	90.93	2013-08-23					ISO/TC 20/SC 13	34701	CCSDS 641.0-B-2:2000	2018-08-22	Reaffirmed 2013-08-22
	ISO 14962:1997	Space data and information transfer systems -- ASCII encoded English	1995-05-01	90.60	2014-06-18					ISO/TC 20/SC 13	26096	CCSDS 643.0-B-1:1992	2019-07-14	Reaffirmed: 2014-07-14
	ISO 15395:1998	Space data and information transfer systems -- Standard formatted data units -- Control authority data structures	1996-05-23	90.93	2013-08-23					ISO/TC 20/SC 13	27534	CCSDS 632.0-B-1:1994	2018-08-22	Reaffirmed 2013-08-22
	ISO 15396:1998	Space data and information transfer systems -- Cross support reference model -- Space link extension services	1996-05-23	95.99	2007-04-16					ISO/TC 20/SC 13	27535	CCSDS 910.4-B-1-S:1996		
	ISO 15396:2007	Space data and information transfer systems -- Cross support reference model - Part 1: Space Link Extension Service	2005-10-27	90.93	2010-09-17		2015-07-15		36	ISO/TC 20/SC 13	43828	CCSDS 910.4-B-2:2005	2015-09-17	
	ISO 15887:2000	Space data and information transfer systems -- Data systems -- Lossless data compression	1997-05-15	95.99	2013-05-29					ISO/TC 20/SC 13	29440	CCSDS 121.0-B-1-S:1997		Reaffirmed 2011-09-20
	ISO 15887:2000/Cor 1:2009	Space data and information transfer systems -- Data systems -- Lossless data compression -- Technical Corrigendum 1	2008-11-05	95.99	2013-05-29					ISO/TC 20/SC 13	52985			
	ISO 15887:2000/Cor 2	Space data and information transfer systems -- Data systems -- Lossless data compression -- Technical Corrigendum 2	2007-04-20	30.98	2008-11-26					ISO/TC 20/SC 13	46185			
	ISO 15887:2013	Space data and information transfer systems -- Lossless data compression	2012-06-08	60.60	2013-05-29				36	ISO/TC 20/SC 13	62314	CCSDS 121.0-B-2:2012	2018-06-01	
	ISO 15888:2000	Space data and information transfer systems -- Standard formatted data units -- Referencing environment	1997-05-15	90.93	2011-09-20		2016-07-15			ISO/TC 20/SC 13	29441	CCSDS 622.0-B-1:1997	2016-09-20	Reaffirmed 2011-09-20
	ISO 15889:2000	Space data and information transfer systems -- Data description language -- EAST specification	1997-05-15	95.99	2003-02-10					ISO/TC 20/SC 13	29442	CCSDS 644.0-B-1:1997		
	ISO 15889:2000/CD Amd 1	Space data and information transfer systems -- Data description language -- EAST specification -- Amendment 1	2000-11-30	30.98	2001-10-12					ISO/TC 20/SC 13	35682			
	ISO 15889:2003	Space data and information transfer systems -- Data description language -- EAST specification	2001-10-12	95.99	2011-10-14					ISO/TC 20/SC 13	36451	CCSDS 644.0-B-2-S:2000		
	ISO 15889:2011	Space data and information transfer systems -- The data description language -- EAST specification	2010-08-30	60.60	2011-10-14		2016-10-15		36	ISO/TC 20/SC 13	57320	CCSDS 644.0-B-3:2010	2016-10-14	
	ISO/DIS 15890	Space data and information transfer systems -- Advanced orbiting systems, networks and data links -- Audio, video and still-image communications services	1997-05-15	40.98	2001-09-04					ISO/TC 20/SC 13	29443	CCSDS 704.0-B-1:1994		
	ISO 15891:2000	Space data and information transfer systems -- Protocol specification for space communications -- Network protocol	1997-05-15	95.99	2011-05-10					ISO/TC 20/SC 13	29444	CCSDS 713.0-B-1-S:1999	N/A	Withdrawn: 2011-05-10

	ISO 15892:2000	Space data and information transfer systems -- Space Communications Protocol Specification (SCPS) - Security	1997-05-15	95.99	2011-05-10					ISO/TC 20/SC 13	29445	CCSDS 713.5-B-1-S:1999	N/A	Withdrawn: 2011-05-10
	ISO 15893:2000	Space data and information transfer systems -- Protocol specification for space communications -- Transport protocol	1997-05-15	95.99	2010-09-10					ISO/TC 20/SC 13	29446	CCSDS 714.0-B-1-S:1999		
	ISO 15893:2010	Space data and information transfer systems -- Space communications protocol specification (SCPS) -- Transport protocol (SCPS-TP)	2007-03-06	60.60	2010-09-10	2015-07-15		48		ISO/TC 20/SC 13	45986	CCSDS 714.0-B-2:2006	2015-09-10	
	ISO 15894:2000	Space data and information transfer systems -- Space Communications Protocol Specification (SCPS) - File Protocol (SCPS-FP)	1997-05-15	95.99	2011-05-10					ISO/TC 20/SC 13	29447	CCSDS 717.0-B-1-S:1999	N/A	Withdrawn: 2011-05-10
	ISO 16363:2012	Space data and information transfer systems - Audit and certification of trustworthy digital repositories	2010-04-08	60.60	2012-02-14				36	ISO/TC 20/SC 13	56510	CCSDS 652.0-M-1:2011	2015-02-14	
	FDIS 18919	Space data and information transfer systems - Requirements for bodies providing audit and certification of candidate trustworthy digital repositories	2010-12-07	50.20	2014-06-24				48	ISO/TC 20/SC 13	57950	CCSDS 652.1-M-2:2014	Under Development	National Votes Due: 2014-09-04
	ISO 17107:2011	Space data and information transfer systems -- XML specification for navigation data messages	2011-01-20	60.60	2011-11-08	2016-10-15			36	ISO/TC 20/SC 13	59155	CCSDS 505.0-B-1:2010	2014-11-08	
	ISO 17214:2011	Space data and information transfer systems -- Spacecraft onboard interface services -- Time access service	2011-02-17	60.60	2011-12-15	2016-10-15			36	ISO/TC 20/SC 13	59416	CCSDS 872.0-M-1:2011	2014-12-15	
	ISO 17355:2003	Space data and information transfer systems -- CCSDS file delivery protocol	1999-05-18	95.99	2004-05-18					ISO/TC 20/SC 13	33005	CCSDS 727.0-B-1:2002		
	ISO 17355:2004	Space data and information transfer systems -- CCSDS file delivery protocol	2002-10-15	95.99	2007-05-07					ISO/TC 20/SC 13	38593			
	ISO 17355:2007	Space data and information transfer systems -- CCSDS file delivery protocol (CFDP)	2005-10-27	90.93	2010-03-05				36	ISO/TC 20/SC 13	43829	CCSDS 727.0-B-4-S:2007	2012-08-10	
	ISO/CD 17355	Space data and information transfer systems -- CCSDS file delivery protocol	2007-08-10	30.98	2010-03-05				48	ISO/TC 20/SC 13	50246	CCSDS 727.0-B-3-S:2005		
	ISO 17433:2001	Space data and information transfer systems -- Packet telemetry services	1998-06-30	95.99	2003-02-11					ISO/TC 20/SC 13	28460	CCSDS 103.0-B-1:1996		
	ISO 17433:2003	Space data and information transfer systems -- Packet telemetry services	2001-10-19	85.99	2007-03-05					ISO/TC 20/SC 13	36448	CCSDS 103.0-B-2-S:2001		
	ISO 17807:2013	Space data and information transfer systems -- Asynchronous message service	2011-10-11	60.60	2013-05-29				36	ISO/TC 20/SC 13	60592	CCSDS 735.1-B-1:2011	2016-06-01	
	ISO/DIS 17808:2014	Space data and information transfer systems -- TM channel coding profiles	2011-10-11	60.60	2014-06-23				36	ISO/TC 20/SC 13	60593	CCSDS 131.4-M-1:2011	2019-07-01	
	ISO/DIS 17809:2014	Space data and information transfer systems - Delta-Differential One Way Ranging (Delta-DOR) Operations	2011-10-11	60.60	2014-06-23				36	ISO/TC 20/SC 13	60594	CCSDS 506.0-M-1:2011	2019-07-01	
	ISO/DIS 17810:2014	Space data and information transfer systems - Data Transmission and PN Ranging for 2 GHz CDMA Link via Data Relay Satellite	2011-10-11	60.60	2014-06-23				36	ISO/TC 20/SC 13	60595	CCSDS 415.1-B-1:2011	2019-07-01	
	ISO 17854:2013	Space data and information transfer systems - Flexible Advance Coding and Modulation Scheme for High Rate Telemetry Applications	2012-05-16	60.60	2013-05-29				36	ISO/TC 20/SC 13	60827	CCSDS 131.2-B-1:2012	2016-06-01	
	ISO 18201:2013	Space data and information transfer systems -- Missions operators reference model	2012-03-07	60.60	2013-05-30				36	ISO/TC 20/SC 13	61741	CCSDS 520.1-M-1:2010	2016-06-01	
	ISO 18202:2013	Space data and information transfer systems -- Mission operations message abstraction layer	2012-03-07	60.60	2013-05-29				36	ISO/TC 20/SC 13	61742	CCSDS 521.0-B-1:2010	2016-06-01	
	ISO 18381:2013	Space data and information transfer systems -- Lossless multispectral & hyperspectral image compression	2012-06-08	60.60	2013-05-29				36	ISO/TC 20/SC 13	62319	CCSDS 123.0-B-1 (May 2012)	2016-06-01	
	ISO 18382:2013	Space data and information transfer systems -- Spacecraft onboard interface services -- RFID-based inventory management systems	2012-06-08	60.60	2013-05-29				36	ISO/TC 20/SC 13	62320	CCSDS 881.0-M-1:2012	2016-06-01	
	ISO 18423:2013	Space data and information transfer systems -- Pseudo-Noise (PN) Ranging Systems	2012-07-03	60.60	2013-05-29				36	ISO/TC 20/SC 13	62447	CCSDS 414.1-B-2:2014	Under Revision	DIS expected: September 2014
	ISO 18424:2013	Space data and information transfer systems -- XML Telemetric and Command Exchange (XTCE)	2012-07-03	60.60	2013-05-29				36	ISO/TC 20/SC 13	62448	CCSDS 660.0-B-1:2007	2016-06-01	
	ISO 18425:2013	Space data and information transfer systems -- Spacecraft Onboard Interface Services -- Subnetwork Packet Service	2012-07-03	60.60	2013-05-29				36	ISO/TC 20/SC 13	62449	CCSDS 851.0-M-1:2009	2016-06-01	
	ISO 18426:2013	Space data and information transfer systems -- Spacecraft Onboard Interface Services -- Subnetwork Memory Access Service	2012-07-03	60.60	2013-05-29				36	ISO/TC 20/SC 13	62450	CCSDS 852.0-M-1:2009	2016-06-01	
	ISO 18427:2013	Space data and information transfer systems -- Spacecraft Onboard Interface Services -- Subnetwork Synchronization Service	2012-07-03	60.60	2013-05-30				36	ISO/TC 20/SC 13	62451	CCSDS 853.0-M-1:2009	2016-06-01	
	ISO 18428:2013	Space data and information transfer systems -- Spacecraft Onboard Interface Services -- Subnetwork Device Discovery Service	2012-07-03	60.60	2013-05-29				36	ISO/TC 20/SC 13	62452	CCSDS 854.0-M-1:2009	2016-06-01	
	ISO 18438:2013	Space data and information transfer systems -- Spacecraft Onboard Interface Services -- Subnetwork Test Service	2012-07-03	60.60	2013-05-29				36	ISO/TC 20/SC 13	62453	CCSDS 855.0-M-1:2009	2016-06-01	
	ISO 18439:2013	Space data and information transfer systems -- Space Communication Cross Support -- Service Management -- Service Specification	2012-07-03	60.60	2013-05-29				36	ISO/TC 20/SC 13	62454	CCSDS 910.11-B-1:2009	2016-06-01	
	ISO 18440:2013	Space data and information transfer systems -- Space Link Extension -- Internet Protocol for Transfer Services	2012-07-03	60.60	2013-05-29				36	ISO/TC 20/SC 13	62455	CCSDS 913.1-B-1:2008	2016-06-01	
	ISO 18441:2013	Space data and information transfer systems -- Space Link Extension -- Application Program Interface for Transfer Services -- Core Specification	2012-07-03	60.60	2013-05-29				36	ISO/TC 20/SC 13	62456	CCSDS 914.0-M-1:2008	2016-06-01	
	ISO 18442:2013	Space data and information transfer systems -- Space Link Extension -- Application Program Interface for Return All Frames Service	2012-07-03	60.60	2013-05-29				36	ISO/TC 20/SC 13	62457	CCSDS 915.1-M-1:2008	2016-06-01	
	ISO 18443:2013	Space data and information transfer systems -- Space Link Extension -- Application Program Interface for Return Channel Frames Service	2012-07-03	60.60	2013-05-29				36	ISO/TC 20/SC 13	62458	CCSDS 915.2-M-1:2008	2016-06-01	
	ISO 18444:2013	Space data and information transfer systems -- Space Link Extension -- Application Program Interface for Return Operational Control Fields Service	2012-07-03	60.60	2013-05-29				36	ISO/TC 20/SC 13	62459	CCSDS 915.5-M-1:2008	2016-06-01	
	ISO 18445:2013	Space data and information transfer systems -- Space Link Extension -- Application Program Interface for the Forward CLTU Service	2012-07-03	60.60	2013-05-29				36	ISO/TC 20/SC 13	62460	CCSDS 916.1-M-1:2008	2016-06-01	
	ISO 18446:2013	Space data and information transfer systems -- Space Link Extension -- Application Program Interface for the Forward Space Packet Service	2012-07-03	60.60	2013-05-29				36	ISO/TC 20/SC 13	62461	CCSDS 916.3-M-1:2008	2016-06-01	
	ISO/DIS 19389:2014	Space data and information transfer systems -- Conjunction data message	2013-06-07	60.60	2014-06-23				24	ISO/TC 20/SC 13	64784	CCSDS 508.0-B-1:2013	2019-07-01	
	DIS 20104	Space data and information transfer systems -- Producer-Archive Interface Specification (PAIS)	2014-06-30	30.99	2014-07-16	2014-12-31 (Cancellation date: 2015-06-30)			24	ISO/TC 20/SC 13	67056	CCSDS 651.1-B-1:2014	Under Development	DIS expected: September 2014
	DIS 20105	Space data and information transfer systems -- Operation of CFDP over encapsulation service	2014-06-30	30.99	2014-07-16	2014-12-31 (Cancellation date: 2015-06-30)			24	ISO/TC 20/SC 13	67057	CCSDS 722.1-M-1:2014	Under Development	DIS expected: September 2014
	DIS 20106	Space data and information transfer systems -- Mission operators common object model	2014-06-30	30.99	2014-07-16	2014-12-31 (Cancellation date: 2015-06-30)			24	ISO/TC 20/SC 13	67058	CCSDS 521.1-B-1:2014	Under Development	DIS expected: September 2014
	DIS 20107	Space data and information transfer systems -- Spacecraft onboard interface services -- Device virtualization service	2014-06-30	30.99	2014-07-16	2014-12-31 (Cancellation date: 2015-06-30)			24	ISO/TC 20/SC 13	67059	CCSDS 871.2-M-1:2014	Under Development	DIS expected: September 2014
	ISO 20652:2006	Space data and information transfer systems -- Producer-archive interface -- Metadata	2003-04-10	90.60	2014-06-18					ISO/TC 20/SC 13	39577	651.0-M-1:2004	2019-07-14	Reaffirmed 2014-07-14
	ISO 21459:2006	Space data and information transfer systems -- Proximity-1 space link protocol -- Coding and synchronization sublayer	2004-01-09	90.60	2014-06-18				48	ISO/TC 20/SC 13	40247	CCSDS 211.2-B-2-S:2003	Under Revision	Reaffirmed 2014-07-14; DIS expected: September 2014
	ISO 21460:2006	Space data and information transfer systems -- Proximity-1 space link protocol -- Physical layer	2004-01-09	95.99	2007-10-10				48	ISO/TC 20/SC 13	40248	CCSDS 211.1-B-1		
	ISO 21460:2007	Space data and information transfer systems -- Proximity-1 space link protocol -- Physical layer	2006-09-12	90.93	2011-09-20	2016-07-15			36	ISO/TC 20/SC 13	44999	CCSDS 211.1-B-4-S:2013	Under Revision	Reaffirmed 2011-09-20; DIS expected: September 2014
	ISO 21961:2003	Space data and information transfer systems -- Data entity dictionary specification language (DEDSL) -- Abstract syntax	2001-06-29	90.93	2013-08-23					ISO/TC 20/SC 13	36036	CCSDS 647.1-B-1:2001	2018-08-22	Reaffirmed 2013-08-22
	ISO 21962:2003	Space data and information transfer systems -- Data entity dictionary specification language (DEDSL) -- PVL	2001-06-29	90.93	2013-08-23					ISO/TC 20/SC 13	36037	CCSDS 647.2-B-1:2001	2018-08-22	Reaffirmed 2013-08-22
	ISO 22641:2005	Space data and information transfer systems -- TM (telemetry) synchronization and channel coding	2001-10-12	95.99	2012-07-13					ISO/TC 20/SC 13	36375	CCSDS 131.0-B-1-S:2003		Patent Policy & Declaration Form (CaTech) submitted to ISO on 7/8/2011; DIS text submitted to ISO/TC 20/SC 13 (11/11)
	ISO 22641:2012	Space data and information transfer systems -- TM synchronization and channel coding	2011-10-11	60.60	2012-07-13				36	ISO/TC 20/SC 13	60590	CCSDS 131.0-B-2:2011	2017-07-15	Patent Policy & Declaration Form (CaTech) submitted to ISO on 7/8/2011; Published 7/15/2012

ISO Number	ISO Title	Start Date	Current Status	Original Status	Original Date	Current Date	Priority	ISO/TC	ISO/SC	CCSDS ID	CCSDS Title	CCSDS Date	CCSDS Status	CCSDS Title	CCSDS Date	CCSDS Status
ISO 22642:2005	Space data and information transfer systems -- TC synchronization and channel coding	2001-10-12	90.92	2012-06-28				ISO/TC	20/SC 13	36376	CCSDS 231.0-B-2-S.2010	2012-10-03	CCSDS Cor. 1 = Sep. 03; ISO Cor. 1 = 07. For ISO processing of September 2010 edition			
ISO 22642:2005/Cor 1:2007	Space data and information transfer systems -- TC (telecommand) synchronization and channel coding -- Technical Corrigendum 1	2007-08-21	60.60	2007-10-03				ISO/TC	20/SC 13	50342						
ISO/NP 22642	Space data and information transfer systems -- TC (telecommand) synchronization and channel coding	2012-06-28	10.99	2012-06-28	2014-06-28 (Cancellation date: 2014-12-28)		48	ISO/TC	20/SC 13	62446						
ISO 22643:2003	Space data and information transfer systems -- Data entity dictionary specification language (DEDSL) -- XML/DTD Syntax	2001-07-20	90.60	2014-06-18				ISO/TC	20/SC 13	36377	CCSDS 647.3-B-1-2002	2019-07-14	Reaffirmed 2014-07-14			
ISO 22644:2006	Space data and information transfer systems -- Orbit data messages	2005-05-19	95.99	2012-07-13			36	ISO/TC	20/SC 13	42722	CCSDS 502.0-B-2-S.2009	N/A	ISO designation changed to ISO 26900 under SC 14 work program			
ISO/CD 22644	Space data and information transfer systems -- Orbit data messages	2001-10-12	30.98	2004-11-03				ISO/TC	20/SC 13	36379						
ISO 22645:2005	Space data and information transfer systems -- TM space data link protocol	2001-10-12	90.93	2013-08-23				ISO/TC	20/SC 13	36380	CCSDS 132.0-B-1-2003	2018-08-22	Cor. 1 (Sep 2012) needs ISO processing. Reaffirmed 2013-08-22			
ISO 22646:2005	Space data and information transfer systems -- Space packet protocol	2001-10-12	90.92	2012-07-03				ISO/TC	20/SC 13	36381	CCSDS 133.0-B-1-2003	2013-12-31	For ISO processing of Cor. 1 = Sep. 10			
ISO/CD 22646	Space data and information transfer systems -- Space packet protocol	2012-07-03	30.99	2012-07-03	2014-07-03 (Cancellation date: 2015-01-03)		36	ISO/TC	20/SC 13	62471	CCSDS 133.0-B-1					
ISO 22647:2006	Space data and information transfer systems -- Space link identifiers	2001-10-12	95.99	2010-09-10				ISO/TC	20/SC 13	36383	CCSDS 135.0-B-2-S.2005					
ISO 22647:2010	Space data and information transfer systems -- Space link identifiers	2007-03-14	60.60	2010-09-10	2015-07-15		48	ISO/TC	20/SC 13	45987	CCSDS 135.0-B-4-S.2009	2015-09-10				
ISO 22663:2006	Space data and information transfer systems -- Proximity-1 space link protocol -- Data link layer	2001-10-12	95.99	2007-10-10				ISO/TC	20/SC 13	36386	CCSDS 211.0-B-3-S.2004					
ISO 22663:2007	Space data and information transfer systems -- Proximity-1 space link protocol -- Data link layer	2006-09-12	90.93	2011-09-20	2016-07-15		36	ISO/TC	20/SC 13	45000	CCSDS 211.0-B-5-S.2013	Under Revision	Reaffirmed 2011-09-20; DIS expected: September 2014			
ISO 22664:2005	Space data and information transfer systems -- TC (telecommand) space data link protocol	2001-10-12	95.99	2013-05-29				ISO/TC	20/SC 13	36389	CCSDS 232.0-B-1-S.2003		For DIS text submission			
ISO 22664:2013	Space data and information transfer systems -- TC space data link protocol	2012-03-07	60.60	2013-05-29			36	ISO/TC	20/SC 13	61746	CCSDS 232.0-B-2-2010	2018-06-01	Corr 1 processing			
ISO 22666:2005	Space data and information transfer systems -- AOS (advanced orbiting systems) space data link protocol	2001-10-12	95.99	2007-08-15				ISO/TC	20/SC 13	36391	CCSDS 732.0-B-1-S.2003					
ISO 22666:2007	Space data and information transfer systems -- AOS data link protocol	2006-06-23	90.60	2010-12-17	2015-10-15		36	ISO/TC	20/SC 13	44866	CCSDS 732.0-B-2-2006	2017-08-15	Reaffirmed 2012; Corr 1 processing			
ISO/CD 22666	Space data and information transfer systems -- AOS (advanced orbiting systems) space data link protocol	2011-09-22	30.98	2011-10-18	2013-03-22		36	ISO/TC	20/SC 13	60519						
ISO 22667:2005	Space data and information transfer systems -- Communication operations Procedures-1	2001-10-12	95.99	2013-05-29				ISO/TC	20/SC 13	36392	CCSDS 232.1-B-1-S.2003		For DIS text submission			
ISO 22667:2013	Space data and information transfer systems -- Communication operations Procedures-1	2012-03-07	60.60	2013-05-29			36	ISO/TC	20/SC 13	61747	CCSDS 232.1-B-2-2010	2018-06-01				
ISO/WD 22668	Space data and information transfer systems -- Space link extension (SLE) -- Service management specification	2001-10-12	20.98	2003-11-07				ISO/TC	20/SC 13	36393						
ISO 22669:2003	Space data and information transfer systems -- Space link extension (SLE) -- Return-all-frames service	2001-10-12	95.99	2007-01-26				ISO/TC	20/SC 13	36394	CCSDS 911.1-B-1-2002					
ISO 22669:2007	Space data and information transfer systems -- Space link extension (SLE) -- Return-all-frames service	2004-12-08	95.99	2013-05-29			36	ISO/TC	20/SC 13	43442	CCSDS 911.1-B-2-S.2004		For DIS text submission			
ISO 22669:2013	Space data and information transfer systems -- Space link extension (SLE) -- Return-all-frames service Specification	2012-03-07	60.60	2013-05-29			36	ISO/TC	20/SC 13	61743	CCSDS 911.1-B-3-2010	2018-06-01				
ISO 22670:2006	Space data and information transfer systems -- Space link extension (SLE) -- Return-channel-frames service	2001-10-12	95.99	2013-05-29				ISO/TC	20/SC 13	36395	CCSDS 911.2-B-1-S.2004		For DIS text submission			
ISO 22670:2013	Space data and information transfer systems -- Space link extension -- Return-channel frames service specification	2012-03-07	60.60	2013-05-29			36	ISO/TC	20/SC 13	61744	CCSDS 911.2-B-2-2010	2018-06-01				
ISO 22671:2005	Space data and information transfer systems -- Space link extension (SLE) -- Forward command link transmission unit (CLTU)	2001-10-12	95.99	2007-01-26				ISO/TC	20/SC 13	36396	CCSDS 912.1-B-1-2002					
ISO 22671:2007	Space data and information transfer systems -- Space link extension (SLE) -- Forward communications link transmission unit (CLTU) service	2004-12-08	95.99	2011-11-08			36	ISO/TC	20/SC 13	43443	CCSDS 912.1-B-2-S.2004					
ISO 22671:2007/CD Cor 1	Space data and information transfer systems -- Space link extension (SLE) -- Forward communications link transmission unit (CLTU) service -- Technical Corrigendum 1	2007-10-01	30.98	2011-01-17				ISO/TC	20/SC 13	50563						
ISO 22671:2011	Space data and information transfer systems -- Space link extension -- Forward CLTU Service Specification	2010-12-22	60.60	2011-11-08	2016-10-15		36	ISO/TC	20/SC 13	58052	CCSDS 912.1-B-3-2010	2016-11-08				
ISO 22672:2006	Space data and information transfer systems -- Space link extension (SLE) -- Forward space packet service	2005-05-19	95.99	2011-11-08			36	ISO/TC	20/SC 13	42721	CCSDS 912.3-B-1-S.2004					
ISO/CD 22672	Space data and information transfer systems -- Space link extension (SLE) -- Forward space packet	2001-10-12	30.98	2004-05-04				ISO/TC	20/SC 13	36397						
ISO 22672:2011	Space data and information transfer systems -- Space link extension (SLE) -- Forward space packet service specification	2010-12-22	60.60	2011-11-08	2016-10-15		36	ISO/TC	20/SC 13	58052	CCSDS 912.3-B-2-2010	2016-11-08				
ISO 26143:2007	Space data and information transfer systems -- Space link extension (SLE) -- Return operational control fields service	2005-09-08	95.99	2013-05-29			36	ISO/TC	20/SC 13	43394	CCSDS 911.5-B-1		For DIS text submission			
ISO 26143:2013	Space data and information transfer systems -- Space link extension -- Return operational control fields service specification	2012-03-07	60.60	2013-05-29			36	ISO/TC	20/SC 13	61745	CCSDS 911.5-B-2-2010	2018-06-01				
ISO 26868:2009	Space data and information transfer systems -- Image data compression	2005-12-02	90.60	2014-06-18	41654		36	ISO/TC	20/SC 13	43849	CCSDS 122.0-B-1-2005	2019-07-14	Published correction of ISO 26868:2009 (June 2012). Incorporates all 3 CCSDS Corrigenda. Reaffirmed 2014-07-14			
ISO 26868:2009/CD Cor 1	Space data and information transfer systems -- Image data compression -- Technical Corrigendum 1	2011-11-09	30.98	2012-06-27	2012-05-09		24	ISO/TC	20/SC 13	60964						
DIS XXX	CCSDS Space Link Protocols over ETSI DVB-S2 Standard	T.B.D.	T.B.D.	T.B.D.				ISO/TC	20/SC 13	T.B.D.	131.3-B-1-2013	Under Development	ISO Project Number needed			
DIS XXX	Security Architecture for Space Data Systems	T.B.D.	T.B.D.	T.B.D.				ISO/TC	20/SC 13	T.B.D.	CCSDS 351.0-M-1-2012	Under Development	ISO Project Number needed			
DIS XXX	CCSDS Cryptographic Algorithms	T.B.D.	T.B.D.	T.B.D.				ISO/TC	20/SC 13	T.B.D.	CCSDS 352.0-B-1-2012	Under Development	ISO Project Number needed			
DIS XXX	IP Over CCSDS Space Links	T.B.D.	T.B.D.	T.B.D.				ISO/TC	20/SC 13	T.B.D.	CCSDS 702.1-B-1-2012	Under Development	ISO Project Number needed			
DIS XXX	Delta-Dor Data Exchange Format	T.B.D.	T.B.D.	T.B.D.				ISO/TC	20/SC 13	T.B.D.	CCSDS 506.1-B-1-2013	Under Development	ISO Project Number needed			
DIS XXX	Mission Operations Message Abstraction Layer -- JAVA API	T.B.D.	T.B.D.	T.B.D.				ISO/TC	20/SC 13	T.B.D.	CCSDS 523.1-M-1-2013	Under Development	ISO Project Number needed			
DIS XXX	Spacecraft Onboard Interface Services - Device Access Service	T.B.D.	T.B.D.	T.B.D.				ISO/TC	20/SC 13	T.B.D.	CCSDS 871.0-M-1-2013	Under Development	ISO Project Number needed			
DIS XXX	Spacecraft Onboard Interface Services - Device Data Pooling Service	T.B.D.	T.B.D.	T.B.D.				ISO/TC	20/SC 13	T.B.D.	CCSDS 871.1-M-1-2012	Under Development	ISO Project Number needed			
DIS XXX	Spacecraft Onboard Interface Services - File and Packet Store Services	T.B.D.	T.B.D.	T.B.D.				ISO/TC	20/SC 13	T.B.D.	CCSDS 873.0-M-1-2012	Under Development	ISO Project Number needed			
DIS XXX	Spacecraft Onboard Interface Services - Message Transfer Service	T.B.D.	T.B.D.	T.B.D.				ISO/TC	20/SC 13	T.B.D.	CCSDS 875.0-M-1-2012	Under Development	ISO Project Number needed			
DIS XXX	Spacecraft Onboard Interface Systems - Low Data Rate Wireless Communications for Spacecraft Monitoring and Control	T.B.D.	T.B.D.	T.B.D.				ISO/TC	20/SC 13	T.B.D.	CCSDS 882.0-M-1-2013	Under Development	ISO Project Number needed			

### International harmonized stage codes

STAGE	SUBSTAGE						
	90 Decision Substages						
	00 Registration	20 Start of main action	60 Completion of main action	92 Repeat an earlier phase	93 Repeat current phase	98 Abandon	99 Proceed
00 Preliminary stage	00.00 Proposal for new project received	00.20 Proposal for new project under review	00.60 Close of review			00.98 Proposal for new project abandoned	00.99 Approval to ballot proposal for new project
10 Proposal stage	10.00 Proposal for new project registered	10.20 New project ballot initiated	10.60 Close of voting	10.92 Proposal returned to submitter for further definition		10.98 New project rejected	10.99 New project approved
20 Preparatory stage	20.00 New project registered in TC/SC work	20.20 Working draft (WD) study initiated	20.60 Close of comment period			20.98 Project deleted	20.99 WD approved for registration as CD

	TC/SC work programme	initiated	period				as CD
30 Committee stage	30.00 Committee draft (CD) registered	30.20 CD study/ballot initiated	30.60 Close of voting/ comment period	30.92 CD referred back to Working Group		30.98 Project deleted	30.99 CD approved for registration as DIS
40 Enquiry stage	40.00 DIS registered	40.20 DIS ballot initiated: 5 months	40.60 Close of voting	40.92 Full report circulated: DIS referred back to TC or SC	40.93 Full report circulated: decision for new DIS ballot	40.98 Project deleted	40.99 Full report circulated: DIS approved for registration as FDIS
50 Approval stage	50.00 FDIS registered for formal approval	50.20 FDIS ballot initiated: 2 months. Proof sent to secretariat	50.60 Close of voting. Proof returned by secretariat	50.92 FDIS referred back to TC or SC		50.98 Project deleted	50.99 FDIS approved for publication
60 Publication stage	60.00 International Standard under publication		60.60 International Standard published				
90 Review stage		90.20 International Standard under periodical review	90.60 Close of review	90.92 International Standard to be revised	90.93 International Standard confirmed		90.99 Withdrawal of International Standard proposed by TC or SC
95 Withdrawal stage		95.20 Withdrawal ballot initiated	95.60 Close of voting	95.92 Decision not to withdraw International Standard			95.99 Withdrawal of International Standard