

# Program of Work

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

ISSUE: OCTOBER, 2012 (Version: 19 November 2012)

**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 It also includes all possible, historical documents which have been processed by the Subcommittee, since the beginning.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 the 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: Leal 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 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				48	ISO/TC 20/SC 13	45990	CCSDS 133.1-B-1	10/09/2013	
	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	05/12/2011					ISO/TC 20/SC 13	38141	CCSDS 301.0-B-3:2002		
	ISO 11104:2011	Space data and information transfer systems -- Time code formats	17/02/2011	60.60	05/12/2011				36	ISO/TC 20/SC 13	59415	CCSDS 301.0-B-4	2016-16-05	
	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-6:2002		
	ISO 12171:1998	Space data and information transfer systems -- Telecommand -- Channel service -- Architectural specification	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 -- Telecommand -- Channel service	2000-06-28	95.99	2007-03-02					ISO/TC 20/SC 13	34711	CCSDS 201.0-B-3:2000		
	ISO 12172:1998	Space data and information transfer systems -- Telecommand -- Data routing service	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 -- Telecommand -- Data routing service	2001-11-21	95.99	2007-03-02					ISO/TC 20/SC 13	36591	CCSDS 202.0-B-3:2001		
	ISO 12173:1998	Space data and information transfer systems -- Telecommand -- Command operation procedures	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 -- Telecommand -- Command operation procedures	2001-10-19	95.99	2007-03-02					ISO/TC 20/SC 13	36447	CCSDS 202.1-B-2:2001		
	ISO 12174:1998	Space data and information transfer systems -- Telecommand -- Data management service -- Architectural specification	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 -- Telecommand -- Architectural specification for the data management service	2001-10-19	95.99	2007-03-05					ISO/TC 20/SC 13	36446	CCSDS 203.0-B-2:2001		
	ISO 12175:1994	Space data and information transfer systems -- Standard formatted data units -- Structure and construction rules	1992-05-15	90.92	03/07/2012					ISO/TC 20/SC 13	21118	CCSDS 620.0-B-2:1992	31/12/2014	
	ISO/CD 12175	Space data and information transfer systems -- Standard formatted data units -- Structure and construction rules	03/07/2012	30.99	03/07/2012		03/01/2014		36	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-5:2000		
	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-3:2001		
	ISO 13526:2010	Space data and information transfer systems -- Tracking data message	2009-02-26	90.92	03/07/2012				36	ISO/TC 20/SC 13	53984	CCSDS 503.0-B-1	10/09/2013	Technical Corr 1 for ISO processing
	ISO/CD 13526	Space data and information transfer systems -- Tracking data message	03/07/2012	30.99	03/07/2012		03/01/2014		36	ISO/TC 20/SC 13	62472	CCSDS 503.0-B-1		
	ISO 13527:2010	Space data and information transfer systems -- XML formatted data unit (XFUDU) -- structure and construction rules	2009-03-05	60.60	2010-09-10					ISO/TC 20/SC 13	53985	CCSDS 661.0-B-1	20/09/2013	
	ISO 13537:2010	Space data and information transfer systems -- Reference architecture for space data systems	2009-03-05	60.60	2010-09-29				36	ISO/TC 20/SC 13	53986	CCSDS 311.0-M-1	29/09/2013	
	ISO 13541:2010	Space data and information transfer systems -- Attitude data messages	2009-03-05	60.60	2010-09-10				36	ISO/TC 20/SC 13	53987	CCSDS 504.0-B-1	10/09/2013	
	ISO 13764:1996	Space data and information transfer systems -- Standard formatted data units -- Control authority procedures	1993-05-01	90.93	2008-12-31		15/10/2014			ISO/TC 20/SC 13	22845	CCSDS 630.0-B-1:1993	31/12/2014	
	ISO/DW 14712	Space systems -- Mission operations functions	1994-11-01	20.98	1995-07-13					ISO/TC 20/SC 13	24682	-		
	ISO 14721:2012	Space data and information transfer systems -- Reference Model for an Open Archival Information System (OAIS)	01/09/2017	60.60	21/08/2012					ISO/TC 20/SC 13		CCSDS 650.0-M-2:2012		Published: 9/1/2012
	ISO 14721:2003	Space data and information transfer systems -- Open archival information system -- Reference model	1994-11-01	95.99	21/08/2012					ISO/TC 20/SC 13	24683	CCSDS 650.0-B-1:2002	Under Revision	Report of Voting on DIS submitted to ISO/CS (2/17/2011)
	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	2008-03-31		15/01/2013			ISO/TC 20/SC 13	34701	CCSDS 641.0-B-2:2000	31/03/2013	
	ISO 14962:1997	Space data and information transfer systems -- ASCII encoded English	1995-05-01	90.93	2008-12-31		15/10/2014			ISO/TC 20/SC 13	26096	CCSDS 643.0-B-1:1992	31/12/2013	
	ISO 15395:1998	Space data and information transfer systems -- Standard formatted data units -- Control authority data structures	1996-05-23	90.93	2008-12-31		15/10/2013			ISO/TC 20/SC 13	27534	CCSDS 632.0-B-1:1994	31/12/2013	
	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 -- Space link extension services	2005-10-27	90.93	2010-09-17				36	ISO/TC 20/SC 13	43828	CCSDS 910.4-B-2:2005	17/09/2015	
	ISO 15887:2000	Space data and information transfer systems -- Data systems -- Lossless data compression	1997-05-15	90.92	20/09/2011					ISO/TC 20/SC 13	29440	CCSDS 121.0-B-1:1997	20/09/2016	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	60.60	2009-05-15					ISO/TC 20/SC 13	52985			
	ISO 15887:2000/CD 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/DIS 15887	Space data and information transfer systems -- Data systems -- Lossless data compression	08/06/2012	40.20	2012-07-02		08/12/2014						08/12/2014	
	ISO 15888:2000	Space data and information transfer systems -- Standard formatted data units -- Referencing environment	1997-05-15	90.92	08/06/2012					ISO/TC 20/SC 13	29441	CCSDS 622.0-B-1:1997	20/09/2016	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-S: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	14/10/2011					ISO/TC 20/SC 13	36451	CCSDS 644.0-B-2-S:2000		
	ISO 15889:2011	Space data and information transfer systems -- Data description language -- EAST specification	30/08/2010	60.60	14/10/2011				36	ISO/TC 20/SC 13	57320	CCSDS 644.0-B-3	14/10/2016	
	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-S:1994		
	ISO 15891:2000	Space data and information transfer systems -- Protocol specification for space communications -- Network protocol	1997-05-15	95.99	10/05/2011					ISO/TC 20/SC 13	29444	CCSDS 713.0-B-1:1999	NA	Withdrawn: 2011-05-10
	ISO 15892:2000	Space data and information transfer systems -- Protocol specification for space communications -- Security protocol	1997-05-15	95.99	10/05/2011					ISO/TC 20/SC 13	29445	CCSDS 713.5-B-1:1999	NA	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-1:1999		
	ISO 15893:2010	Space data and information transfer systems – Space communications protocol specification (SCPB) – Transport protocol (SCPB-TP)	2007-03-06	60.60	2010-09-10		48	ISO/TC 20/SC 13	45986	CCSDS 714.0-B-2	10/09/2015		
	ISO 15894:2000	Space data and information transfer systems – Protocol specification for space communications – File protocol	1997-05-15	95.99	10/05/2011			ISO/TC 20/SC 13	29447	CCSDS 717.0-B-1:1999	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	14/02/2012		36	ISO/TC 20/SC 13	56510	CCSDS 652.0-R-1	14/02/2015		
	ISO/DIS 16919	Requirements for bodies providing audit and certification of candidate trustworthy digital repositories	2010-12-07	40.99	23/11/2011	07/06/2013	36	ISO/TC 20/SC 13	57950	CCSDS 652.1-R-1		Report of voting on DIS submitted to ISO/CS for direct publication (11/23/2011)	
	ISO 17107:2011	Space data and information transfer systems – XML specification for navigation data messages	20/01/2011	60.60	08/11/2011		36	ISO/TC 20/SC 13	59155	CCSDS 505.0-B-1 (Dec 2010)	08/11/2014		
	ISO 17214:2011	Space data and information transfer systems – Spacecraft onboard interface services – Time access services	17/02/2011	60.60	15/12/2011		36	ISO/TC 20/SC 13	59416	CCSDS 872.0-M-1	15/12/2014		
	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 S: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	2005-10-27	90.92	2007-08-10		36	ISO/TC 20/SC 13	43629	CCSDS 727.0-B-3 S: 2005			
	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-4: 2007			
	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 S:1996			
	ISO 17433:2003	Space data and information transfer systems – Packet telemetry services	2001-10-19	95.99	2007-03-05			ISO/TC 20/SC 13	36448	CCSDS 103.0-B-2 S:2001			
		Rationale, Scenarios, and Requirements for DTN in Space								CCSDS 734.0-G-1 (Aug 2010)		For ISO processing	
	ISO/DIS 17807	Space data and information transfer systems – Telemetry (TM) channel coding profiles	11/10/2011	40.99	04/05/2012	11/04/2014	36	ISO/TC 20/SC 13	60592	CCSDS 735.1-B-1	Under Development	Report of voting on DIS submitted to ISO/CS for direct publication (5/4/2012)	
	ISO/DIS 17808	Space data and information transfer systems – Telemetry (TM) channel coding profiles	11/10/2011	40.99	04/05/2012	11/04/2014	36	ISO/TC 20/SC 13	60593	CCSDS 131.4-M-1	Under Development	Report of voting on DIS submitted to ISO/CS for direct publication (5/4/2012)	
	ISO/DIS 17809	Space data and information transfer systems – Delta-Differential One Way Ranging (Delta-DOR) Operations	11/10/2011	40.99	04/05/2012	11/04/2014	36	ISO/TC 20/SC 13	60594	CCSDS 506.0-M-1	Under Development	Report of voting on DIS submitted to ISO/CS for direct publication (5/4/2012)	
		Mission Operations Reference Model								CCSDS 520.1-M-1 (Jul 2010)		For ISO processing	
		Mission Operations Message Abstraction Layer								CCSDS 520.0-B-1 (Sep 2010)		For ISO processing	
	ISO/DIS 17810	Space data and information transfer systems – Data Transmission and PN Ranging for 2 GHz CDMA Link via Data Relay Satellite	11/10/2011	40.99	04/05/2012	11/04/2014	36	ISO/TC 20/SC 13	60595	CCSDS 415.1-B-1	Under Development	Report of voting on DIS submitted to ISO/CS for direct publication (5/4/2012)	
	NP 17854	Flexible Advance Coding and Modulation Scheme for High Rate Telemetry Applications	16/05/2012	40.20 (Start date: 2012-07-02 End date: 2012-12-03)	02/07/2012	16/11/2014	36	ISO/TC 20/SC 13		CCSDS 131.2-B-1 (Mar 2012)	Under Development	SCCC patent resolved (1/2012)	
	ISO/DIS 18201	Space data and information transfer systems – Missions operations reference model	07/03/2012	40.20	03/11/2012	07/09/2013	24	ISO/TC 20/SC 13		CCSDS 520.1-M-1 (Jul 2010)			
	ISO/DIS 18202	Space data and information transfer systems – Mission operations message abstraction layer	07/03/2012	40.20	03/11/2012	07/09/2013	24	ISO/TC 20/SC 13		CCSDS 521.0-B-1 (Sep 2010)			
	ISO/DIS 18381	Space data and information transfer systems – Lossless multispectral and hyperspectral image compression	08/06/2012	40.20 (Start date: 2012-07-02 End date: 2012-12-03)	02/07/2012	08/12/2014	36	ISO/TC 20/SC 13		CCSDS 123.0-B-1 (May 2012)			
	ISO/DIS 18382	Space data and information transfer systems – Spacecraft onboard interface services – RFID-based inventory management systems	08/06/2012	40.20 (Start date: 2012-07-02 End date: 2012-12-03)	02/07/2012	08/12/2014	36	ISO/TC 20/SC 13		CCSDS 882.0-M-1 (May 2012)			
	ISO/DIS 18423	Pseudo-Noise (PN) Ranging Systems	03/07/2012	40.20	12/11/2012	03/01/2015	36	ISO/TC 20/SC 13	62447	CCSDS 414.1-B-1			
	ISO/DIS 18424	XML Telemetric and Command Exchange (XTCE)	03/07/2012	40.20	12/11/2012	03/01/2015	36	ISO/TC 20/SC 13	62448	CCSDS 660.0-B-1			
	ISO/DIS 18425	Spacecraft Onboard Interface Services – Subnetwork Packet Service	03/07/2012	40.00	24/07/2012		36	ISO/TC 20/SC 13	62449	CCSDS 851.0-M-1			
	ISO/DIS 18426	Spacecraft Onboard Interface Services – Subnetwork Memory Access Service	03/07/2012	40.20	12/11/2012	03/01/2015	36	ISO/TC 20/SC 13	62450	CCSDS 852.0-M-1			
	ISO/DIS 18427	Spacecraft Onboard Interface Services – Subnetwork Synchronization Service	03/07/2012	40.20			36	ISO/TC 20/SC 13	62451	CCSDS 852.0-M-1			
	ISO/DIS 18428	Spacecraft Onboard Interface Services – Subnetwork Device Discovery Service	03/07/2012	40.20	12/11/2012	03/01/2015	36	ISO/TC 20/SC 13	62452	CCSDS 854.0-M-1			
	ISO/DIS 18438	Spacecraft Onboard Interface Services – Subnetwork Test Service	03/07/2012	40.20	12/11/2012	03/01/2015	36	ISO/TC 20/SC 13	62453	CCSDS 855.0-M-1			
	ISO/DIS 18439	Space Communication Cross Support – Service Management – Service Specification	03/07/2012	40.20	12/11/2012	03/01/2015	36	ISO/TC 20/SC 13	62454	CCSDS 910.11-M-1			
	ISO/DIS 18440	Space Link Extension – Internet Protocol for Transfer Services	03/07/2012	40.20	12/11/2012	03/01/2015	36	ISO/TC 20/SC 13	62455	CCSDS 913.1-B-1			
	ISO/DIS 18441	Space Link Extension – Application Program Interface for Transfer Services – Core Specification	03/07/2012	40.20	12/11/2012	03/01/2015	36	ISO/TC 20/SC 13	62456	CCSDS 914.0-M-1			
	ISO/DIS 18442	Space Link Extension – Application Program Interface for Return All Frames Service	03/07/2012	40.20	12/11/2012	03/01/2015	36	ISO/TC 20/SC 13	62457	CCSDS 915.1-M-1			
	ISO/DIS 18443	Space Link Extension – Application Program Interface for Return Channel Frames Service	03/07/2012	40.20	12/11/2012	03/01/2015	36	ISO/TC 20/SC 13	62458	CCSDS 915.2-M-1			
	ISO/DIS 18444	Space Link Extension – Application Program Interface for Return Operational Control Fields Service	03/07/2012	40.20	12/11/2012	03/01/2015	36	ISO/TC 20/SC 13	62459	CCSDS 915.5-M-1			
	ISO/DIS 18445	Space Link Extension – Application Program Interface for the Forward CLTU Service	03/07/2012	40.20	12/11/2012	03/01/2015	36	ISO/TC 20/SC 13	62460	CCSDS 916.1-M-1			
	ISO/DIS 18446	Space Link Extension – Application Program Interface for the Forward Space Packet Service	03/07/2012	40.20	12/11/2012	03/01/2015	36	ISO/TC 20/SC 13	62461	CCSDS 916.3-M-1			
	ISO 20652:2006	Space data and information transfer systems – Producer/consumer interface – Methodology abstract standard	2003-04-10	90.93	2009-06-30	15/04/2014		ISO/TC 20/SC 13	39577	CCSDS 651.0-M-1:2004	30/06/2014		
	ISO 21459:2006	Space data and information transfer systems – Proximity-1 space link protocol – Coding and synchronization sublayer	2004-01-09	90.93	2009-12-31	15/10/2014	48	ISO/TC 20/SC 13	40247	CCSDS 211.2-B-1:2003	31/12/2014		
	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	20/09/2011		36	ISO/TC 20/SC 13	44999	CCSDS 211.1-B-3:2006	20/09/2016	Reaffirmed 2011-09-20	
	ISO 21961:2003	Space data and information transfer systems – Data entity dictionary specification language (DEDSL) – Abstract syntax	2001-06-29	90.93	2008-06-30	15/04/2013		ISO/TC 20/SC 13	36036	CCSDS 647.1-B-1:2001	30/06/2013		
	ISO 21962:2003	Space data and information transfer systems – Data entity dictionary specification language (DEDSL) – PVL	2001-06-29	90.93	2008-06-30	15/04/2013		ISO/TC 20/SC 13	36037	CCSDS 647.2-B-1:2001	30/06/2013		
	ISO 22641:2005	Space data and information transfer systems – TM (telemetry) synchronization and channel coding	2001-10-12	95.99	13/07/2012		36	ISO/TC 20/SC 13	36375	CCSDS 131.0-B-1:2003		Patent Policy & Declaration Form (Call'tech) submitted to ISO on 7/6/2011; DIS text submitted to ISO/CS (10/11/11)	
	ISO 22641:2012	Space data and information transfer systems – TM (telemetry) synchronization and channel coding	11/10/2011	60.60	13/07/2012		36	ISO/TC 20/SC 13	60590	CCSDS 131.1-B-2			
	ISO 22642:2005	Space data and information transfer systems – TC (telecommand) synchronization and channel coding	2001-10-12	90.92	28/06/2012		36	ISO/TC 20/SC 13	36376	CCSDS 231.0-B-1:2003		CCSDS Cor. 1 = Sep. '03; ISO Cor. 1 = '07	
	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	28/06/2012	10.99	28/06/2012	28/2/2013	36	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	90.93	2009-04-01	15/04/2014		ISO/TC 20/SC 13	36377	CCSDS 647.3-B-1:2002	01/04/2014		
	ISO 22644:2006	Space data and information transfer systems – Orbit data messages	19/05/2005	95.99	13/07/2012		36	ISO/TC 20/SC 13	42722	CCSDS 502.0-B-1		ISO designation changed to ISO 26900 under SC 14 work program	
	ISO/CD 22644	Space data and information transfer systems – Orbit data messages	12/10/2001	30.98	03/11/2004			ISO/TC 20/SC 13	36379				

	ISO 22645:2005	Space data and information transfer systems -- TM (telemetry) space data link protocol	2001-10-12	90.93	2008-12-31	15/10/2013			ISO/TC 20/SC 13	36380	CCSDS 132.0-B-1:2003	31/12/2013	
	ISO/CD 22646	Space data and information transfer systems -- Space packet protocol	2001-10-12	90.92	03/07/2012				ISO/TC 20/SC 13	36381	CCSDS 133.0-B-1:2003	31/12/2013	For ISO processing
	ISO/CD 22646	Space data and information transfer systems -- Space packet protocol	03/07/2012	30.99	03/07/2012	03/01/2014		36	ISO/TC 20/SC 13	62471			
	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-1:2002		
	ISO 22647:2010	Space data and information transfer systems -- Space link identifiers	2007-03-14	60.60	2010-09-10			48	ISO/TC 20/SC 13	45987	CCSDS 135.0-B-3		
	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-3:2004		
	ISO 22663:2007	Space data and information transfer systems -- Proximity-1 space link protocol -- Data link layer	2006-09-12	90.93	20/09/2011				ISO/TC 20/SC 13	45000	CCSDS 211.0-B-4	20/09/2016	Reaffirmed 2011-09-20
	ISO 22664:2005	Space data and information transfer systems -- TC (telecommand) space data link protocol	2001-10-12	90.92	14/03/2012				ISO/TC 20/SC 13	36389	CCSDS 232.0-B-1:2003		For DIS text submission
	ISO/NP 22664	Space data and information transfer systems -- TC (telecommand) space data link protocol	07/03/2012	40.60	10/11/2012	07/09/2014		36	ISO/TC 20/SC 13	61746	CCSDS 232.0-B-2		
	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-1:2003		
	ISO 22666:2007	Space data and information transfer systems -- AOS (advanced orbiting systems) space data link protocol	2006-06-23	90.60	17/12/2010			36	ISO/TC 20/SC 13	44866	CCSDS 732.0-B-2	15/08/2012	
	ISO/CD 22666	Space data and information transfer systems -- AOS (advanced orbiting systems) space data link protocol	22/09/2011	30.98	18/10/2011	2013-03-22 (Cancellation date: 2013-09-22)		36	ISO/TC 20/SC 13	60519			
	ISO 22667:2005	Space data and information transfer systems -- Communication operations Procedure-1	2001-10-12	90.92	14/03/2012				ISO/TC 20/SC 13	36392	CCSDS 232.1-B-1:2003	31/12/2013	For DIS text submission
	ISO/NP 22667	Space data and information transfer systems -- Communication operations Procedure-1	07/03/2012	40.20 (Start date: 2012-06-08 End date: 2012-11-09)	08/09/2012	07/09/2014		36	ISO/TC 20/SC 13	61747	CCSDS 232.1-B-2		
	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	90.92	14/03/2012			36	ISO/TC 20/SC 13	43442	CCSDS 911.1-B-2		For DIS text submission
	ISO/NP 22669	Space data and information transfer systems -- Space link extension (SLE) -- Return-all-frames service	07/03/2012	40.60	10/11/2012	07/09/2014		36	ISO/TC 20/SC 13	61743	CCSDS 911.1-B-3		
	ISO 22670:2006	Space data and information transfer systems -- Space link extension (SLE) -- Return-channel-frames service	2001-10-12	90.92	14/03/2012				ISO/TC 20/SC 13	36395	CCSDS 911.2-B-1:2004		For DIS text submission
	ISO/NP 22670	Space data and information transfer systems -- Space link extension (SLE) -- Return-channel-frames service	07/03/2012	40.60	10/11/2012	07/09/2014		36	ISO/TC 20/SC 13	61744	CCSDS 911.2-B-2		
	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	08/11/2011			36	ISO/TC 20/SC 13	43443	CCSDS 912.1-B-2		
	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	17/01/2011				ISO/TC 20/SC 13	50683			
	ISO 22671:2011	Space data and information transfer systems -- Space link extension (SLE) -- Forward communications link transmission unit (CLTU) service	22/12/2010	60.60	08/11/2011			36	ISO/TC 20/SC 13	58052			
	ISO 22672:2006	Space data and information transfer systems -- Space link extension (SLE) -- Forward space packet	19/05/2005	95.99	08/11/2011			36	ISO/TC 20/SC 13	42721	CCSDS 912.3-B-1		
	ISO/CD 22672	Space data and information transfer systems -- Space link extension (SLE) -- Forward space packet service	12/10/2001	30.98	04/05/2004			36	ISO/TC 20/SC 13	36397			
	ISO 22672:2011	Space data and information transfer systems -- Space link extension (SLE) -- Forward space packet service specification	22/12/2010	60.60	08/11/2011			36	ISO/TC 20/SC 13	58052	CCSDS 912.3-B-2		
	ISO 26143:2007	Space data and information transfer systems -- Space link extension (SLE) -- Return operational control fields service	2005-09-08	90.92	14/03/2012			36	ISO/TC 20/SC 13	43394	CCSDS 911.5-B-1		For DIS text submission
	ISO/NP 26143	Space data and information transfer systems -- Space link extension (SLE) -- Return operational control fields service	07/03/2012	40.60	10/11/2012	07/09/2014		36	ISO/TC 20/SC 13	61745	CCSDS 911.5-B-2		
	ISO 26868:2009	Space data and information transfer systems -- Image data compression	2005-12-02	60.60	2009-01-29	15/01/2014		36	ISO/TC 20/SC 13	43849	CCSDS 122.0-B-1	Under Revision	CCSDS Cor.1 = Jul. '06; Cor.2 = Jul. '08; no Cor. 1 or 2 in ISO; current CCSDS version has both Cor. incorporated; all 3 CCSDS Cor submitted to ISO/CS for processing
	ISO 26868:2009/CD Cor 1	Space data and information transfer systems -- Image data compression -- Technical Corrigendum 1	09/11/2011	30.99	27/05/2012	9/5/2012 (Cancellation date 2012-11-09)		24	ISO/TC 20/SC 13	60964			

## International harmonized stage codes

STAGE	SUBSTAGE							
	00 Registration	20 Start of main action	60 Completion of main action	90 Decision Substages	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 programme	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
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