INTEGRATED PROGRAM OF WORK (PoW)

MONTHLY ISSUE: JANUARY, 2016 (Version of 10 February 2017, directly derived from SECRETARIAT PoW of 7 February 2017 and from ISO CS PoW of 7 February 2017)

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

NOTICE 1: The ISO TC20/SC13 Subcommittee INTEGRATED PROGRAM OF WORK or, simply, the Subcommittee INTEGRATED PoW, is updated on a monthly basis and is presented as the result of the concatenation of the following two Programs of Work: 1) The ISO TC20/SC13 Subcommittee Secretariat Program of Work, named SECRETARIAT PoW, and; 2) The ISO Central Secretariat Program of Work, named ISO CS PoW.

NOTICE 2: Given that ALL the inputs to the Subcommittee **INTEGRATED PoW** are provided by the **SECRETARIAT PoW** or by the **ISO CS PoW**, each content written in the each of the slots of the HEADER of the list of items will be ADDED by one of the following three (3) notations: **1)** Header added by the notation **(S)** that indicates that ALL the column instanciating slots associated to the header are originated from the **SECRETARIAT PoW; 2)** Header added by the notation **(I)**, that indicates that ALL the column instanciating slots associated to the header are originated from the **ISO CS PoW; 3)** Header added by the notation **(S,I)**, that indicates that ALL the column instanciating slots associated to the header originated from the **SECRETARIAT PoW** or from the **ISO CS PoW**, therefore, observing the specific colour associated to the PoW (SECRETARIAT or ISO CS) which originated the instance presented in the slot.

NOTICE 3: The current and preceding monthly issues of the Subcommittee **INTEGRATED PoW** can be found in the associated folder of the two Subcommittee Websites, by clicking the following pointers:

2.1 - Folder of the INTEGRATED PoWs in ISO Livelink Website of ISO TC20/SC13 Subcommittee.

2.2 - Folder of the INTEGRATED PoWs in CCSDS-CWE Website of ISO TC20/SC13 Subcommittee.

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

COLOR CODES:

EXPLANATION (Attention, please!): With the use of specific and exclusive colours that are clearly defined in the following lines, the identity of EACH existing line of an item listed in this issue of Program of Work **EXCLUSIVELY** reflects a **SINGLE ORIGIN**, be it, from the **SECRETARIAT PoW** or, from the **ISO CS PoW**. That is, although some of the slot contents of each of the listed items may be of common meaning for both, **SECRETARIAT PoW** and **ISO CS PoW**, each slot content is strictly associated to just ONE of these two Programs of Work as justified by the colour of the item that is under consideration over the whole line. Just that.

WHITE Color – Used as **white** background color in listed items that have already been introduced by the Subcommittee Secretariat in a previous issue of the SECRETARIAT PoW and that are also considered to be under regular processing by ISO CS.

RED Color - When used in a slot of the "NI (New Item)" column, the **red** color in background indicates that the listed item is a NEW one; if the slot is marked-up in red background with the letter **S**, means that the New Item NI comes from Subcommittee SECRETARIAT PoW; Otherwise, if the slot is marked-up in red background with the letter **I**, means that the New Item NI comes from ISO CS PoW;

YELLOW Color - When the **yellow** background color is used it indicates that the listed item was provided by the Subcommittee SECRETARIAT PoW. In this case, the associated "Next Action/Date" (S) column slot presents **red** color in background and *contains a written reminder to the Subcommittee Secretariat of the limit date for submission of the corresponding document to ISO CS*.

GREEN Color - When the **green** background color is used it indicates that the listed item was provided by the Subcommittee SECRETARIAT PoW. In this case, the associated "Next Action/Date" (S) column slot presents **red** color in background and *contains a written reminder to the Subcommittee Secretariat of the date when the status of the submisson of the corresponding document has to be checked-out with ISO CS*.

GREY Color - The **grey** background color is used in listed items that are also presented in the SC13 PoW that is maintained by ISO in its ISO CS PoW, in ISO Livelink Portal.

LEGEND:

ALERT Mark-ups for Projects: **1) D** for Cancelled or Deleted item; **2) W** for Warning, derived from ISO TMB Resolution for 3 tracks rule; **3) Stage Date:** Initial date of current stage; **4) Limit Date:** Limit date for next stage; **5) VA:** Legal Organization for project under Vienna Agreement; **6) Time Frame:** Related to ISO stage; **7) PA:** Header for Patent Associated mark-ups with P; **8) ISO SR Date:** Date of Entry for ISO Systematic Review; These entries are to be provided by the Subcommittee Secretariat.

NI	Alert	Project ID	ISO Reference (withdrawal date)	ISO Document title	Reg. Date	Stage date	Current stage	Next Date	Limit date	Publication date	Time frame	VA	(Sub-) Committee	Project Leader	Stabilized	CCSDS Reference (obsolescence date)	ISO SR Date	Next Action/Date	Action Assigned To	Notes
	(I)	(I)	(I,S)	(I,S)	(I)	(I)	(I)	(I)	(I)	(I)	(I)	(I)	(I)	(I)	(I)	(S)	(S)	(S)	(S)	(S)
			ISO 10537:2016	Encapsulation Service												133.1-B-2 (Oct 2009)	2021-11-15	Systematic Review	ISO Central Secretariat	Corr.1 (Sep 2012) & 2 (Apr 2014) published in ISO as Amd1 (Jul 2015) ; Reaffirmed 2015-12-15; use Oct2009 edition for revision
		71058	ISO 10537:2016	Space data and information transfer systems -- Encapsulation service	2016-03-21	2016-11-03	60.60			2016-11-03	15		ISO/TC 20/SC 13	Afarin, James Dr						
			ISO 11104:2011	Time Code Formats												301.0-B-4 (Nov 2010)	2016-12-05	Systematic Review	SC 13 Secretariat	
I		59415	ISO 11104:2011	Space data and information transfer systems -- Time code formats	2011-02-17	2016-10-15	90.20	2017-03-07		2016-10-15	15		ISO/TC 20/SC 13							
			ISO 12175:1994	Standard Formatted Data Units - Structure and Construction Rules												620.0-B-2 (May 1992)	2020-03-21	Systematic Review	ISO Central Secretariat	Cor. 1 (Nov. 1996) published in ISO as Amd1 (Jul 2015); Reaffirmed 2015-03-21
		21118	ISO 12175:1994	Space data and information transfer systems -- Standard formatted data units -- Structure and construction rules	1992-05-15	2015-03-21	90.93			2015-03-21			ISO/TC 20/SC 13							
		68746	ISO 12175:1994/Amd 1:2015	Space data and information transfer systems -- Standard formatted data units -- Structure and construction rules -- Amendment 1	2015-03-17	2015-06-16	60.60			2015-06-16	24		ISO/TC 20/SC 13	Afarin, James Dr						
			ISO 13526:2010	Tracking Data Message												503.0-B-1 (Nov 2007)	2020-03-21	Systematic Review	ISO Central Secretariat	Corr 1 (Sep 2010) published in ISO as Amd1 (Jul 2015); Reaffirmed 2015-03-21
		53984	ISO 13526:2010	Space data and information transfer systems -- Tracking data message	2009-02-26	2015-03-21	90.93			2015-03-21	36		ISO/TC 20/SC 13							
		68745	ISO 13526:2010/Amd 1:2015	Space data and information transfer systems -- Tracking data message -- Amendment 1	2015-03-17	2015-06-16	60.60			2015-06-16	24		ISO/TC 20/SC 13	Afarin, James Dr						
			ISO 13527:2010	XML Formatted Data Unit (XFDU) Structure and Construction Rules												661.0-B-1 (Sep 2008)	2020-12-15	Systematic Review	ISO Central Secretariat	
		53985	ISO 13527:2010	Space data and information transfer systems -- XML formatted data unit (XFDU) structure and construction rules	2009-03-05	2015-12-18	90.93			2015-12-18	36		ISO/TC 20/SC 13							
			ISO 13537:2010	Reference Architecture for Space Data Systems												311.0-M-1 (Sep 2008)	2020-12-15	Systematic Review	ISO Central Secretariat	Reaffirmed 2015-12-15
		53986	ISO 13537:2010	Space data and information transfer systems -- Reference architecture for space data systems	2009-03-05	2015-12-18	90.93			2015-12-18	36		ISO/TC 20/SC 13							
			ISO 13541:2010	Attitude Data Messages												504.0-B-1 (May 2008)	2020-12-15	Systematic Review	ISO Central Secretariat	Process Cor.1 – Jul'15
		53987	ISO 13541:2010	Space data and information transfer systems -- Attitude data messages	2009-03-05	2015-12-18	90.93			2015-12-18	36		ISO/TC 20/SC 13							
			ISO 13764:1996	Standard Formatted Data Units - Control Authority Procedures												630.0-B-1 (Jun 1993)	2019-07-14	Systematic Review	ISO Central Secretariat	Reaffirmed 2014-07-14
I		22845	ISO 13764:1996	Space data and information transfer systems -- Standard formatted data units -- Control authority procedures	1993-05-01	2014-07-14	90.93	2019-07-15		2014-07-14			ISO/TC 20/SC 13							
			ISO 14721:2012	Reference Model for an Open Archival Information System (OAIS)												650.0-M-2 (Jun 2012)	2017-09-01	Systematic Review	ISO Central Secretariat	Published 2012-09-01
		57284	ISO 14721:2012	Space data and information transfer systems -- Reference Model for an Open Archival Information System (OAIS)	2010-08-19	2012-08-21	60.60	2017-07-15		2012-08-21	36		ISO/TC 20/SC 13							
			ISO 14961:2002	Parameter Value Language Specification												641.0-B-2 (Jun 2000)	2018-08-22	Systematic Review	ISO Central Secretariat	Reaffirmed 2013-08-22
		34701	ISO 14961:2002	Space data and information transfer systems -- Parameter value language specification	2000-06-28	2013-08-23	90.93	2018-07-15		2013-08-23			ISO/TC 20/SC 13							
			ISO 14962:1997	ASCII Encoded English												643.0-B-1 (Nov 1992)	2019-07-14	Systematic Review	ISO Central Secretariat	Reaffirmed: 2014-07-14
I		26096	ISO 14962:1997	Space data and information transfer systems -- ASCII encoded English	1995-05-01	2014-07-14	90.93	2019-07-15		2014-07-14			ISO/TC 20/SC 13							
			ISO 15395:1998	Standard Formatted Data Units - Control Authority Data Structures												632.0-B-1 (Nov 1994)	2018-08-22	Systematic Review	ISO Central Secretariat	Reaffirmed 2013-08-22
		27534	ISO 15395:1998	Space data and information transfer systems -- Standard formatted data units -- Control authority data structures	1996-05-23	2013-08-23	90.93	2018-07-15		2013-08-23			ISO/TC 20/SC 13							
			ISO 15396:2007	Cross Support Reference Model - Part 1: Space Link Extension Service												910.4-B-2 (Oct 2005)	2020-12-15	Systematic Review	ISO Central Secretariat	Reaffirmed 2015-12-15
		43828	ISO 15396:2007	Space data and information transfer systems -- Cross support reference model - Part 1: Space Link Extension Service	2005-10-27	2015-12-18	90.93			2015-12-18	36		ISO/TC 20/SC 13							
			ISO 15887:2013	Lossless Data Compression												121.0-B-2 (May 2012)	2018-06-01	Systematic Review	ISO Central Secretariat	
		62314	ISO 15887:2013	Space data and information transfer systems -- Lossless data compression	2012-06-08	2013-05-29	60.60	2018-04-15		2013-05-29	36		ISO/TC 20/SC 13							
S			ISO 15888:2000	Standard Formatted Data Units - Referencing Environment												622.0-B-1 (May 1997)	2022-01-09	Systematic Review	ISO Central Secretariat	Reaffirmed 2017-01-09
I		29441	ISO 15888:2000	Space data and information transfer systems -- Standard formatted data units -- Referencing environment	1997-05-15	2017-01-09	90.93	2017-06-07		2017-01-09			ISO/TC 20/SC 13							
			ISO 15889:2011	The Data Description Language EAST Specification												644.0-B-3 (Jun 2010)	2016-10-14	Systematic Review	SC 13 Secretariat	
		57320	ISO 15889:2011	Space data and information transfer systems -- The data description language -- EAST specification	2010-08-30	2016-10-15	90.20	2017-03-07		2016-10-15	36		ISO/TC 20/SC 13							
			ISO 15891:2000	Space Communications Protocol Specification (SCPS) - Network Protocol (SCPS-NP)												713.0-B-1 (May 1999)	N/A	N/A	N/A	Withdrawn: 2011-05-10
			ISO 15892:2000	Space Communications Protocol Specification (SCPS) - Security Protocol (SCPS-SP)												713.5-B-1 (May 1999)	N/A	N/A	N/A	Withdrawn: 2011-05-10
			ISO 15893:2010	Space Communications Protocol Specification (SCPS) - Transport Protocol												714.0-B-2 (Oct 2006)	2021-03-15	Systematic Review	ISO Central Secretariat	Reaffirmed 2016-03-15 (SR & CIB N1557)
		45986	ISO 15893:2010	Space data and information transfer systems -- Space communications protocol specification (SCPS) -- Transport protocol (SCPS-TP)	2007-03-06	2016-03-16	90.93			2016-03-16	48		ISO/TC 20/SC 13							
			ISO 15894:2000	Space Communications Protocol Specification (SCPS) - File Protocol (SCPS-FP)												717.0-B-1 (May 1999)	N/A	N/A	N/A	Withdrawn: 2011-05-10
S			ISO 16363:2012	Audit and Certification of Trustworthy Digital Repositories												652.0-M-1 (Sep 2011)	2015-02-14	Systematic Review	SC 13 Secretariat	
I		56510	ISO 16363:2012	Space data and information transfer systems - Audit and certification of trustworthy digital repositories	2010-04-08	2017-01-15	60.60	2017-06-06		2017-01-15	36		ISO/TC 20/SC 13	Garret, John Mr						

			ISO 16919:2014	Requirements for Bodies Providing Audit and Certification of Candidate Trustworthy Digital Repositories												652.1-M-2 (Mar 2014)	2019-10-29	Systematic Review	ISO Central Secretariat	
I		57950	ISO 16919:2014	Space data and information transfer systems - Requirements for bodies providing audit and certification of candidate trustworthy digital repositories	2010-12-07	2014-10-29	60.60	2019-10-15		2014-10-29	48		ISO/TC 20/SC 13							
			ISO 17107:2011	XML Specification for Navigation Data Messages												505.0-B-1 (Dec 2010)	2014-11-08	Systematic Review	SC 13 Secretariat	
		59155	ISO 17107:2011	Space data and information transfer systems -- XML specification for navigation data messages	2011-01-20	2016-10-15	90.20	2017-03-07		2016-10-15	36		ISO/TC 20/SC 13							
			ISO 17214:2011	Spacecraft Onboard Interface Services - Time Access Service												872.0-M-1 (Jan 2011)	2014-12-15	Systematic Review	SC 13 Secretariat	
		59416	ISO 17214:2011	Space data and information transfer systems -- Spacecraft onboard interface services -- Time access service	2011-02-17	2016-10-15	90.20	2017-03-07		2016-10-15	36		ISO/TC 20/SC 13							
			ISO 17355:2007	CCSDS File Delivery Protocol (CFDP)												727.0-B-4 (Jan 2007)	Under Revision	Submit DIS Text: 2018-01-21	SC 13 Secretariat	Reaffirmed 2010; Revise with 2016 Edition
		43829	ISO 17355:2007	Space data and information transfer systems -- CCSDS file delivery protocol (CFDP)	2005-10-27	2016-01-21	90.92			2016-01-21	36		ISO/TC 20/SC 13							
		70700	ISO/CD 17355	Space data and information transfer systems -- CCSDS file delivery protocol	2016-01-21	2016-01-21	30.99	2018-01-21	2018-01-21		36		ISO/TC 20/SC 13	Afarin, James Dr.						
			ISO 17807:2013	Asynchronous Message Service												735.1-B-1 (Sep 2011)	2016-06-01	Systematic Review	ISO Central Secretariat	
		60592	ISO 17807:2013	Space data and information transfer systems -- Asynchronous message service	2011-10-11	2013-05-29	60.60	2018-04-15		2013-05-29	36		ISO/TC 20/SC 13							
			ISO17808:2014	TM Channel Coding Profiles												131.4-M-1 (Jul 2011)	2019-07-01	Systematic Review	ISO Central Secretariat	
I		60593	ISO17808:2014	Space data and information transfer systems -- TM channel coding profiles	2011-10-11	2014-06-23	60.60	2019-04-15		2014-06-23	36		ISO/TC 20/SC 13							
			ISO 17809:2014	Delta-Differential One Way Ranging (Delta-DOR) Operations												506.0-M-1 (Apr 2011)	2019-07-01	Systematic Review	ISO Central Secretariat	
I		60594	ISO 17809:2014	Space data and information transfer systems - Delta-Differential One Way Ranging (Delta-DOR) Operations	2011-10-11	2014-06-23	60.60	2019-04-15		2014-06-23	36		ISO/TC 20/SC 13							
			ISO 17810:2014	Data Transmission and PN Ranging for 2 GHz CDMA Link via Data Relay Satellite												415.1-B-1 (Sep 2011)	2019-07-01	Systematic Review	ISO Central Secretariat	
I		60595	ISO 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	2014-06-23	60.60	2019-04-15		2014-06-23	36		ISO/TC 20/SC 13							
			ISO 17854:2013	Flexible Advanced Coding and Modulation Scheme for High Rate Telemetry Applications												131.2-B-1 (Mar 2012)	2016-06-01	Systematic Review	ISO Central Secretariat	
		60827	ISO 17854:2013	Space data and information transfer systems - Flexible Advance Coding and Modulation Scheme for High Rate Telemetry Applications	2012-05-16	2013-05-29	60.60	2018-04-15		2013-05-29	36		ISO/TC 20/SC 13							
			ISO 18201:2013	Mission Operations Reference Model												520.1-M-1 (Jul 2010)	2016-06-01	Systematic Review	ISO Central Secretariat	
		61741	ISO 18201:2013	Space data and information transfer systems -- Missions operations reference model	2012-03-07	2013-05-30	60.60	2018-04-15		2013-05-30	36		ISO/TC 20/SC 13							
			ISO 18202:2015	Mission Operations Message Abstraction Layer												521.0-B-2 (Mar 2013)	2020-12-15	Systematic Review	ISO Central Secretariat	
		68558	ISO 18202:2015	Space data and information transfer systems -- Mission operations message abstraction layer	2015-02-13	2015-11-24	60.60			2015-11-24	36		ISO/TC 20/SC 13							
			ISO 18381:2013	Lossless Multispectral & Hyperspectral Image Compression												123.0-B-1 (May 2012)	2016-06-01	Systematic Review	ISO Central Secretariat	
		62319	ISO 18381:2013	Space data and information transfer systems -- Lossless multispectral & hyperspectral image compression	2012-06-08	2013-05-29	60.60	2018-04-15		2013-05-29	36		ISO/TC 20/SC 13							
			ISO 18382:2013	Spacecraft Onboard Interface Services - RFID-Based Inventory Management Systems												881.0-M-1 (May 2012)	2016-06-01	Systematic Review	ISO Central Secretariat	
		62320	ISO 18382:2013	Space data and information transfer systems -- Spacecraft onboard interface services -- RFID-based inventory management systems	2012-06-08	2013-05-29	60.60	2018-04-15		2013-05-29	36		ISO/TC 20/SC 13							
			ISO 18423:2015	Pseudo-Noise (PN) Ranging Systems												414.1-B-2 (Feb 2014)	2020-08-15	Systematic Review	ISO Central Secretariat	
		67086	ISO 18423:2015	Space data and information transfer systems -- Pseudo-Noise (PN) Ranging Systems	2014-07-21	2015-08-11	60.60			2015-08-11	36		ISO/TC 20/SC 13							
			ISO 18424:2013	XML Telemetric and Command Exchange (XTCE)												660.0-B-1 (Oct 2007)	2016-06-01	Systematic Review	ISO Central Secretariat	
		62448	ISO 18424:2013	Space data and information transfer systems -- XML Telemetric and Command Exchange (XTCE)	2012-07-03	2013-05-29	60.60	2018-04-15		2013-05-29	36		ISO/TC 20/SC 13							
			ISO 18425:2013	Spacecraft Onboard Interface Services - Subnetwork Packet Service												851.0-M-1 (Dec 2009)	2016-06-01	Systematic Review	ISO Central Secretariat	
		62449	ISO 18425:2013	Space data and information transfer systems -- Spacecraft Onboard Interface Services -- Subnetwork Packet Service	2012-07-03	2013-05-29	60.60	2018-04-15		2013-05-29	36		ISO/TC 20/SC 13							
			ISO 18426:2013	Spacecraft Onboard Interface Services - Subnetwork Memory Access Service												852.0-M-1 (Dec 2009)	2016-06-01	Systematic Review	ISO Central Secretariat	
		62450	ISO 18426:2013	Space data and information transfer systems -- Spacecraft Onboard Interface Services -- Subnetwork Memory Access Service	2012-07-03	2013-05-29	60.60	2018-04-15		2013-05-29	36		ISO/TC 20/SC 13							
			ISO 18427:2013	Spacecraft Onboard Interface Services - Subnetwork Synchronization Service												853.0-M-1 (Dec 2009)	2016-06-01	Systematic Review	ISO Central Secretariat	
		62451	ISO 18427:2013	Space data and information transfer systems -- Spacecraft Onboard Interface Services -- Subnetwork Synchronization Service	2012-07-03	2013-05-30	60.60	2018-04-15		2013-05-30	36		ISO/TC 20/SC 13							
			ISO 18428:2013	Spacecraft Onboard Interface Services - Subnetwork Device Discovery Service												854.0-M-1 (Dec 2009)	2016-06-01	Systematic Review	ISO Central Secretariat	
		62452	ISO 18428:2013	Space data and information transfer systems -- Spacecraft Onboard Interface Services -- Subnetwork Device Discovery Service	2012-07-03	2013-05-29	60.60	2018-04-15		2013-05-29	36		ISO/TC 20/SC 13							
			ISO 18438:2013	Spacecraft Onboard Interface Services - Subnetwork Test Service												855.0-M-1 (Dec 2009)	2016-06-01	Systematic Review	ISO Central Secretariat	
		62453	ISO 18438:2013	Space data and information transfer systems -- Spacecraft Onboard Interface Services -- Subnetwork Test Service	2012-07-03	2013-05-29	60.60	2018-04-15		2013-05-29	36		ISO/TC 20/SC 13							
			ISO 18439:2013	Space Communication Cross Support - Service Management - Service Specification												910.11-B-1 (Aug 2009)	2016-06-01	Systematic Review	ISO Central Secretariat	
		62454	ISO 18439:2013	Space data and information transfer systems -- Space Communication Cross Support -- Service Management - Service Specification	2012-07-03	2013-05-29	60.60	2018-04-15		2013-05-29	36		ISO/TC 20/SC 13							
			ISO 18440:2013	Space Link Extension - Internet Protocol for Transfer Services												913.1-B-2 (Sep 2015)	2021-11-15	Systematic Review	ISO Central Secretariat	
		70702	ISO 18440:2016	Space data and information transfer systems -- Space link extension -- Internet protocol for transfer services	2016-01-21	2016-11-03	60.60			2016-11-03	15		ISO/TC 20/SC 13	Afarin, James Dr.						
			ISO 18441:2013	Space Link Extension - Application Program Interface for Transfer Services - Core Specification												914.0-M-2 (Sep 2015)	2021-11-15	Systematic Review	ISO Central Secretariat	
		70703	ISO 18441:2016	Space data and information transfer systems -- Space link extension -- Application program interface for transfer services -- Core specification	2016-01-21	2016-11-03	60.60			2016-11-03	15		ISO/TC 20/SC 13	Afarin, James Dr.						
			ISO 18442:2013	Space Link Extension - Application Program Interface for Return All Frames Service												915.1-M-2 (Sep 2015)	2021-11-15	Systematic Review	ISO Central Secretariat	
		70704	ISO 18442:2016	Space data and information transfer systems -- Space link extension -- Application program interface for return all frames service	2016-01-21	2016-11-03	60.60			2016-11-03	15		ISO/TC 20/SC 13	Afarin, James Dr.						
			ISO 18443:2013	Space Link Extension - Application Program Interface for Return Channel Frames Service												915.2-M-2 (Sep 2015)	2021-11-15	Systematic Review	ISO Central Secretariat	

		70705	ISO 18443:2016	Space data and information transfer systems -- Space link extension -- Application program interface for return channel frames service	2016-01-21	2016-11-03	60.60			2016-11-03	15		ISO/TC 20/SC 13	Afarin, James Dr.						
			ISO 18444:2013	Space Link Extension - Application Program Interface for Return Operational Control Fields Service												915.5-M-2 (Sep 2015)	2021-11-15	Systematic Review	ISO Central Secretariat	
		70706	ISO 18444:2016	Space data and information transfer systems -- Space link extension -- Application program interface for return operational control fields service	2016-01-21	2016-11-03	60.60			2016-11-03	15		ISO/TC 20/SC 13	Afarin, James Dr.						
			ISO 18445:2013	Space Link Extension - Application Program Interface for the Forward CLTU Service												916.1-M-2 (Sep 2015)	2021-11-15	Systematic Review	ISO Central Secretariat	
		70707	ISO 18445:2016	Space data and information transfer systems -- Space link extension -- Application program interface for the forward CLTU service	2016-01-21	2016-11-03	60.60			2016-11-03	15		ISO/TC 20/SC 13	Afarin, James Dr.						
			ISO 18446:2013	Space Link Extension - Application Program Interface for the Forward Space Packet Service												916.3-M-2 (Sep 2015)	2021-11-15	Systematic Review	ISO Central Secretariat	
		70708	ISO 18446:2016	Space data and information transfer systems -- Space link extension -- Application program interface for the forward space packet service	2016-01-21	2016-11-03	60.60			2016-11-03	15		ISO/TC 20/SC 13	Afarin, James Dr.						
			ISO 19389:2014	Conjunction Data Message												508.0-B-1 (Jun 2013)	2019-07-01	Systematic Review	ISO Central Secretariat	
I		64784	ISO 19389:2014	Space data and information transfer systems -- Conjunction data message	2013-08-07	2014-06-23	60.60	2019-04-15		2014-06-23	24		ISO/TC 20/SC 13							
			ISO 20104:2015	Producer-Archive Interface Specification (PAIS)												651.1-B-1 (Feb 2014)	2020-08-15	Systematic Review	ISO Central Secretariat	
		67056	ISO 20104:2015	Space data and information transfer systems -- Producer-Archive Interface Specification (PAIS)	2014-06-30	2015-08-11	60.60			2015-08-11	24		ISO/TC 20/SC 13							
			ISO 20105:2015	Operation of CFDP Over Encapsulation Service												722.1-M-1 (Mar 2014)	2020-08-15	Systematic Review	ISO Central Secretariat	
		67057	ISO 20105:2015	Space data and information transfer systems -- Operation of CFDP over encapsulation service	2014-06-30	2015-08-11	60.60			2015-08-11	24		ISO/TC 20/SC 13							
			ISO 20106:2015	Mission Operations Common Object Model												521.1-B-1 (Feb 2014)	2020-08-15	Systematic Review	ISO Central Secretariat	
		67058	ISO 20106:2015	Space data and information transfer systems -- Mission operations common object model	2014-06-30	2015-08-11	60.60			2015-08-11	24		ISO/TC 20/SC 13							
			ISO 20107:2015	Spacecraft Onboard Interface Services - Device Virtualization Service												871.2-M-1 (Mar 2014)	2020-08-15	Systematic Review	ISO Central Secretariat	
		67059	ISO 20107:2015	Space data and information transfer systems -- Spacecraft onboard interface services -- Device virtualization service	2014-06-30	2015-08-11	60.60			2015-08-11	24		ISO/TC 20/SC 13							
			ISO 20205:2015	Spacecraft Onboard Interface Systems - Low Data-Rate Wireless Communications for Spacecraft												882.0.M-1 (May 2013)	2020-08-15	Systematic Review	ISO Central Secretariat	
		67300	ISO 20205:2015	Spacecraft Onboard Interface Systems - Low Data Rate Wireless Communications for Spacecraft Monitoring and Control	2014-07-21	2015-08-11	60.60			2015-08-11	24		ISO/TC 20/SC 13							
			ISO 20206:2015	IP Over CCSDS Space Links												702.1-B-1 (Sep 2012)	2020-08-15	Systematic Review	ISO Central Secretariat	
		67301	ISO 20206:2015	IP over CCSDS space links	2014-07-21	2015-08-11	60.60			2015-08-11	24		ISO/TC 20/SC 13							
			ISO 20207:2015	CCSDS Space Link Protocols over ETSI DVB-S2 Standard												131.3-B-1 (Mar 2013)	2020-08-15	Systematic Review	ISO Central Secretariat	
		67302	ISO 20207:2015	CCSDS Space Link Protocols over ETSI DVB-S2 Standard	2014-07-21	2015-08-11	60.60			2015-08-11	24		ISO/TC 20/SC 13							
			ISO 20208:2015	Delta-DOR Raw Data Exchange Format												506.1-B-1 (Jun 2013)	2020-08-15	Systematic Review	ISO Central Secretariat	
		67303	ISO 20208:2015	Delta - DOR Raw Data Exchange Format	2014-07-21	2015-08-11	60.60			2015-08-11	24		ISO/TC 20/SC 13							
			ISO 20210:2015	Mission Operations Message Abstraction Layer - JAVA API												523.1-M-1 (Apr 2013)	2020-08-15	Systematic Review	ISO Central Secretariat	
		67304	ISO 20210:2015	Mission Operations Message Abstraction Layer - JAVA API	2014-07-21	2015-08-11	60.60			2015-08-11	24		ISO/TC 20/SC 13							
			ISO 20211:2015	Spacecraft Onboard Interface Services - Device Access Service												871.0-M-1 (Mar 2013)	2020-08-15	Systematic Review	ISO Central Secretariat	
		67305	ISO 20211:2015	Spacecraft Onboard Interface Services - Device Access Service	2014-07-21	2015-08-11	60.60			2015-08-11	24		ISO/TC 20/SC 13							
			ISO 20213:2015	Spacecraft Onboard Interface Services - Message Transfer Service												875.0-M-1 (Nov 2012)	2020-08-15	Systematic Review	ISO Central Secretariat	
		67306	ISO 20213:2015	Space data and information transfer systems -- Spacecraft onboard interface services -- Message transfer service	2014-07-21	2015-08-11	60.60			2015-08-11	24		ISO/TC 20/SC 13							
			ISO 20214:2015	Security Architecture for Space Data Systems												351.0-M-1 (Nov 2012)	2020-08-15	Systematic Review	ISO Central Secretariat	
		67307	ISO 20214:2015	Security Architecture for Space Data Systems	2014-07-21	2015-08-11	60.60			2015-08-11	24		ISO/TC 20/SC 13							
			ISO 20215:2015	CCSDS Cryptographic Algorithms												352.0-B-1 (Nov 2012)	2020-08-15	Systematic Review	ISO Central Secretariat	
		67308	ISO 20215:2015	CCSDS Cryptographic Algorihtms	2014-07-21	2015-08-11	60.60			2015-08-11	24		ISO/TC 20/SC 13							
			ISO 20216:2015	Spacecraft Onboard Interface Services - Device Data Pooling Service												871.1-M-1 (Nov 2012)	2020-08-15	Systematic Review	ISO Central Secretariat	
		67309	ISO 20216:2015	Spacecraft Onboard Interface Services - Device Data Pooling Service	2014-07-21	2015-08-11	60.60			2015-08-11	24		ISO/TC 20/SC 13							
			ISO 20217:2015	Spacecraft Onboard Interface Services - File and Packet Store Services												873.0-M-1 (Sep 2012)	2020-08-15	Systematic Review	ISO Central Secretariat	
		67311	ISO 20217:2015	Spacecraft Onboard Interface Services - File and Packet Store Services	2014-07-21	2015-08-11	60.60			2015-08-11	24		ISO/TC 20/SC 13							
			ISO 20618:2015	Spacecraft Onboard Interface Services - Device Enumeration Service												871.3-M-1 (Oct 2014)	2020-12-15	Systematic Review	ISO Central Secretariat	
		68576	ISO 20618:2015	Space data and information transfer systems -- Spacecraft onboard interface services -- Device enumeration service	2015-02-19	2015-11-24	60.60			2015-11-24	24		ISO/TC 20/SC 13							
			ISO 20652:2006	Producer-Archive Interface Methodology Abstract Standard												651.0-M-1 (May 2004)	2019-07-14	Systematic Review	ISO Central Secretariat	Reaffirmed 2014-07-14
		39577	ISO 20652:2006	Space data and information transfer systems -- Producer-archive interface -- Methodology abstract standard	2003-04-10	2014-07-14	90.93			2014-07-14			ISO/TC 20/SC 13							
			DIS 21076	Space Communications Cross Support - Architecture Requirements Document												901.1-M-1 (May 2015)	Under Development	Publication: 2016-12-23	ISO Central Secretariat	
			ISO 21076:2016	Space Communications Cross Support - Architecture Requirements Document												901.1-M-1 (May 2015)	2021-12-23	Systematic Review	ISO Central Secretariat	
		69836	ISO 21076:2016	Space data and information transfer systems -- Space communications cross support -- Architecture requirements document (based on CCSDS 901.1-M-1)	2015-09-23	2016-07-06	60.60			2016-07-06	15		ISO/TC 20/SC 13							
			DIS 21077	Digital Motion Imagery												766.1-B-1 (May 2015)	Under Development	Publication: 2016-12-23	ISO Central Secretariat	
			ISO 21077:2016	Digital Motion Imagery												766.1-B-1 (May 2015)	2021-12-23	Systematic Review	ISO Central Secretariat	
		69837	ISO 21077:2016	Space data and information transfer systems -- Digital motion imagery (based on CCSDS 766.1.-B-1)	2015-09-23	2016-07-06	60.60			2016-07-06	15		ISO/TC 20/SC 13							
			DIS 21080	Licklider Transmission Protocol (LTP) for CCSDS												734.1-B-1 (May 2015)	Under Development	Publication: 2016-12-23	ISO Central Secretariat	
			ISO 21080:2016	Licklider Transmission Protocol (LTP) for CCSDS												734.1-B-1 (May 2015)	2021-12-23	Systematic Review	ISO Central Secretariat	
		69839	ISO 21080:2016	Space data and information transfer systems -- Licklider transmission protocol (LTP) for CCSDS (based on CCSDS 734.1-B-1)	2015-09-23	2016-07-06	60.60			2016-07-06	15		ISO/TC 20/SC 13							
			DIS 21082	Mission Operations - MAL Space Packet Transport Binding and Binary Encoding												524.1-B-1 (Aug 2015)	Under Development	Publication: 2017-09-23	ISO Central Secretariat	
			ISO 21082:2016	Mission Operations - MAL Space Packet Transport Binding and Binary Encoding												524.1-B-1 (Aug 2015)	23/09/2021	Systematic Review	ISO Central Secretariat	
		69842	ISO 21082:2016	Mission operations -- Message abstraction layer (MAL) space packet transport binding and binary encoding	2015-09-23	2016-07-14	60.60			2016-07-14	24		ISO/TC 20/SC 13							

			ISO 21323:2016	CCSDS Bundle Protocol Specification												734.2-B-1 (Sep 2015)	2021-11-15	Systematic Review	ISO Central Secretariat	
		70545	ISO 21323:2016	Space data and information transfer systems -- CCSDS Bundle protocol specification	2015-12-09	2016-11-03	60.60			2016-11-03	15		ISO/TC 20/SC 13							
			ISO 21324:2016	Space Data Link Security Protocol												355.0-B-1 (Sep 2015)	2021-11-15	Systematic Review	ISO Central Secretariat	
I		70546	ISO 21324:2016	Space data and information transfer systems -- Space data link security protocol	2015-12-09	2016-11-03	60.60			2016-11-03	15		ISO/TC 20/SC 13							
			ISO 21459:2015	Proximity-1 Space Link Protocol - Coding and Synchronization Sublayer												211.2-B-2 (Dec 2013)	2020-08-15	Systematic Review	ISO Central Secretariat	Reaffirmed 2014-07-14
		67093	ISO 21459:2015	Space data and information transfer systems -- Proximity-1 space link protocol -- Coding and synchronization sublayer	2014-07-21	2015-08-11	60.60			2015-08-11	36		ISO/TC 20/SC 13							
			ISO 21460:2015	Proximity-1 Space Link Protocol - Physical Layer												211.1-B-4 (Dec 2013)	2020-08-15	Systematic Review	ISO Central Secretariat	Reaffirmed 2011-09-20
		67092	ISO 21460:2015	Space data and information transfer systems -- Proximity-1 space link protocol -- Physical layer	2014-07-21	2015-08-11	60.60			2015-08-11	36		ISO/TC 20/SC 13							
			ISO 21961:2003	Data Entity Dictionary Specification Language (DEDSL) Abstract Syntax												647.1-B-1 (Jun 2001)	2018-08-22	Systematic Review	ISO Central Secretariat	Reaffirmed 2013-08-22
		36036	ISO 21961:2003	Space data and information transfer systems -- Data entity dictionary specification language (DEDSL) -- Abstract syntax	2001-06-29	2013-08-23	90.93	2018-07-15		2013-08-23			ISO/TC 20/SC 13							
			ISO 21962:2003	Data Entity Dictionary Specification Language (DEDSL) PVL Syntax												647.2-B-1 (Jun 2001)	2018-08-22	Systematic Review	ISO Central Secretariat	Reaffirmed 2013-08-22
		36037	ISO 21962:2003	Space data and information transfer systems -- Data entity dictionary specification language (DEDSL) -- PVL syntax	2001-06-29	2013-08-23	90.93	2018-07-15		2013-08-23			ISO/TC 20/SC 13							
			ISO 22641:2012	TM Synchronization and Channel Coding												131.0-B-2 (Aug 2011)	2017-07-15	Systematic Review	ISO Central Secretariat	Patent Policy & Declaration Form (CalTech) submitted to ISO on 7/8/2011; Published 7/15/2012
		60590	ISO 22641:2012	Space data and information transfer systems -- TM synchronization and channel coding	2011-10-11	2012-07-13	60.60	2017-07-15		2012-07-13	36		ISO/TC 20/SC 13							
			ISO 22642:2015	TC Synchronization and Channel Coding												231.0-B-2 (Sep 2010)	2020-11-15	Systematic Review	ISO Central Secretariat	CCSDS Cor. 1 = Sep. '03; ISO Cor. 1 = '07.
		62446	ISO 22642:2015	Space data and information transfer systems -- TC synchronization and channel coding	2012-06-28	2015-11-16	60.60			2015-11-16	48		ISO/TC 20/SC 13							
			ISO 22643:2003	Data Entity Dictionary Specification Language (DEDSL) XML/DTD Syntax												647.3-B-1 (Jan 2002)	2019-07-14	Systematic Review	ISO Central Secretariat	Reaffirmed 2014-07-14
I		36377	ISO 22643:2003	Space data and information transfer systems -- Data entity dictionary specification language (DEDSL) -- XML/DTD Syntax	2001-07-20	2014-07-14	90.93	2019-07-15		2014-07-14			ISO/TC 20/SC 13							
			ISO 22644:2006	Orbit Data Messages												502.0-B-2 (Nov 2009)	N/A	N/A	N/A	ISO designation changed to ISO 26900 under SC 14 work program
			ISO 22645:2016	TM Space Data Link Protocol												132.0-B-2 (Sep 2015)	2021-11-15	Systematic Review	ISO Central Secretariat	Corr.1 (Sep 2012) published in ISO as Amd1 (Jul 2015); Reaffirmed 2016-11-15
		70698	ISO 22645:2016	Space data and information transfer systems -- TM (telemetry) space data link protocol	2016-01-21	2016-11-03	60.60			2016-11-03	15		ISO/TC 20/SC 13	Afarin, James Dr.						
			ISO 22646:2005	Space Packet Protocol												133.0-B-1 (Sep 2003)	2020-03-17	Systematic Review	ISO Central Secretariat	Corr.1 (Sep 2010) & Corr.2 (Sep 2012) published in ISO as Amd1 (Jul 2015); Reaffirmed 2015-03-17
		36381	ISO 22646:2005	Space data and information transfer systems -- Space packet protocol	2001-10-12	2015-03-17	90.93			2015-03-17			ISO/TC 20/SC 13							
		68742	ISO 22646:2005/Amd 1:2015	Space data and information transfer systems -- Space packet protocol -- Amendment 1	2015-03-17	2015-07-09	60.60			2015-07-09	24		ISO/TC 20/SC 13	Afarin, James Dr						
			ISO 22647:2010	Space Link Identifiers												135.0-B-4 (Oct 2009)	Withdrawn	Archived	ISO Central Secretariat	Archived/Silver Book in CCSDS; withdrawn in ISO: 2016-03-28
			ISO 22663:2015	Proximity-1 Space Link Protocol - Data Link Layer												211.0-B-5 (Dec 2013)	2020-08-15	Systematic Review	ISO Central Secretariat	Reaffirmed 2011-09-20
		67091	ISO 22663:2015	Space data and information transfer systems -- Proximity-1 space link protocol -- Data link layer	2014-07-21	2015-08-11	60.60			2015-08-11	36		ISO/TC 20/SC 13							
			ISO 22664:2016	TC Space Data Link Protocol												232.0-B-3 (Sep 2015)	2021-11-15	Systematic Review	ISO Central Secretariat	Corr 1 (Sep 2012) published in ISO as Amd1 (Jul 2015)
I		70699	ISO 22664:2016	Space data and information transfer systems -- TC (telecommand) space data link protocol	2016-01-21	2016-11-03	60.60			2016-11-03	15		ISO/TC 20/SC 13	Afarin, James Dr.						
			ISO 22666:2007	AOS Space Data Link Protocol												732.0-B-3 (Sep 2015)	2021-11-15	Systematic Review	ISO Central Secretariat	Reaffirmed 2014-07-14; Corr 1 (Sep 2012) published in ISO as Amd1 (Jul 2015)
		70701	ISO 22666:2016	Space data and information transfer systems -- AOS (advanced orbiting systems) space data link protocol	2016-01-21	2016-11-03	60.60			2016-11-03	15		ISO/TC 20/SC 13	Afarin, James Dr.						
			ISO 22667:2013	Communications Operation Procedure-1												232.1-B-2 (Sep 2010)	2018-06-01	Systematic Review	ISO Central Secretariat	
		61747	ISO 22667:2013	Space data and information transfer systems -- Communication operations Procedure-1	2012-03-07	2013-05-29	60.60	2018-04-15		2013-05-29	36		ISO/TC 20/SC 13							
			ISO 22669:2013	Space Link Extension - Return All Frames Service Specification												911.1-B-3 (Jan 2010)	2018-06-01	Systematic Review	ISO Central Secretariat	
		61743	ISO 22669:2013	Space data and information transfer systems -- Space link extension -- Return-all frames service Specification	2012-03-07	2013-05-29	60.60	2018-04-15		2013-05-29	36		ISO/TC 20/SC 13							
			ISO 22670:2013	Space Link Extension - Return Channel Frames Service Specification												911.2-B-2 (Jan 2010)	2018-06-01	Systematic Review	ISO Central Secretariat	
		61744	ISO 22670:2013	Space data and information transfer systems -- Space link extension -- Return-channel frames service specification	2012-03-07	2013-05-29	60.60	2018-04-15		2013-05-29	36		ISO/TC 20/SC 13							
			ISO 22671:2011	Space Link Extension - Forward CLTU Service Specification												912.1-B-3 (Jul 2010)	2016-11-08	Systematic Review	SC 13 Secretariat	
		58052	ISO 22671:2011	Space data and information transfer systems -- Space link extension - Forward CLTU Service Specification	2010-12-22	2016-10-15	90.20	2017-03-07		2016-10-15	36		ISO/TC 20/SC 13							
			ISO 22672:2011	Space Link Extension - Forward Space Packet Service Specification												912.3-B-2 (Jul 2010)	2016-11-08	Systematic Review	SC 13 Secretariat	
I		58053	ISO 22672:2011	Space data and information transfer systems -- Space link extension (SLE) -- Forward space packet service specification	2010-12-22	2016-10-15	90.20	2017-03-07		2016-10-15	15		ISO/TC 20/SC 13							
			ISO 26143:2013	Space Link Extension - Return Operation Control Fields Service Specification												911.5-B-2 (Jan 2010)	2018-06-01	Systematic Review	ISO Central Secretariat	
I		61745	ISO 26143:2013	Space data and information transfer systems -- Space link extension -- Return operational control fields service specification	2012-03-07	2013-05-29	60.60	2018-04-15		2013-05-29	15		ISO/TC 20/SC 13							
			ISO 26868:2009	Image Data Compression												122.0-B-1 (Nov 2005)	2019-07-14	Systematic Review	ISO Central Secretariat	Published correction of ISO 26868:2009 (June 2012). Incorporates all 3 CCSDS Corrigenda.Reaffirmed 2014-07-14
I		43849	ISO 26868:2009	Space data and information transfer systems -- Image data compression	2005-12-02	2014-07-14	90.93	2019-07-15		2014-07-14	36		ISO/TC 20/SC 13							

ISO CONVENTION FOR ITEMS UNDER THE STANDARDIZATION PROCESS

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 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