# INTEGRATED PROGRAM OF WORK (PoW)

## MONTHLY ISSUE: APRIL, 2018 (Version of 09 May 2018, directly derived from SECRETARIAT PoW of 07 May 2018 and from ISO CS PoW of 07 May 2018)

## 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 submisson 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 | Action | Project ID | ISO Reference (withdrawal date) | ISO Document title | Committee | Project Leader | VA | Stabilized | Registration Date | Time since Registration | Stage Date | Current Stage | Time since current stage | Limit Date | Cancellation Date | Edition Date | Timeframe | Target Date | CCSDS Reference (obsolescence date) | ISO SR Date | Next Action/Date | Action Assigned To | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (I) | (I) | (I) | (I,S) | (I,S) | (I) | (I) | (I) | (I) | (I) | (I) | (I) | (I) | (I) | (I) | (I) | (I) | (I) | (I) | (I) | (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 |
| I | | | 71058 | ISO 10537:2016 | Space data and information transfer systems -- Encapsulation service | ISO/TC 20/SC 13 | James Afarin (james.afarin@nasa.gov) | | | | | 2016-11-03 | 60.60 | 18 months | | | 2016-11 | SDT 24 | 2021-10-15 | | | | | |
| | | | | ISO 11104:2011 | Time Code Formats | | | | | | | | | | | | | | | 301.0-B-4 (Nov 2010) | 2022-03-07 | Systematic Review | ISO Central Secretariat | |
| I | | | 59415 | ISO 11104:2011 | Space data and information transfer systems -- Time code formats | ISO/TC 20/SC 13 | | | | | | 2017-03-21 | 90.93 | 13 months | | | 2011-12 | SDT 24 | | | | | | |
| | | | | 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 |
| I | | | 21118 | ISO 12175:1994 | Space data and information transfer systems -- Standard formatted data units -- Structure and construction rules | ISO/TC 20/SC 13 | | | | | | 2015-03-21 | 90.93 | 37 months | | | | | | | | | | |
| | | | 68746 | ISO 12175:1994/Amd 1:2015 | Space data and information transfer systems -- Standard formatted data units -- Structure and construction rules -- Amendment 1 | ISO/TC 20/SC 13 | James Afarin (james.afarin@nasa.gov) | | | | | 2015-06-16 | 60.60 | 34 months | | | 2015-07 | SDT 24 | | | | | | |
| | | | | 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 |
| I | | | 53984 | ISO 13526:2010 | Space data and information transfer systems -- Tracking data message | ISO/TC 20/SC 13 | | | | | | 2015-03-21 | 90.93 | 37 months | | | 2010-09 | SDT 36 | | | | | | |
| | | | 68745 | ISO 13526:2010/Amd 1:2015 | Space data and information transfer systems -- Tracking data message -- Amendment 1 | ISO/TC 20/SC 13 | James Afarin (james.afarin@nasa.gov) | | | | | 2015-06-16 | 60.60 | 34 months | | | 2015-07 | SDT 24 | | | | | | |
| | | | | 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 | ISO/TC 20/SC 13 | | | | | | 2015-12-18 | 90.93 | 28 months | | | 2010-09 | SDT 36 | 2020-10-15 | | | | | |
| | | | | 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 | ISO/TC 20/SC 13 | | | | | | 2015-12-18 | 90.93 | 28 months | | | 2010-10 | SDT 36 | 2020-10-15 | | | | | |
| I | | | 74559 | ISO/DIS 13541 | Space data and information transfer systems -- Attitude data messages | ISO/TC 20/SC 13 | James Afarin (james.afarin@nasa.gov) | | | 2017-09-14 | 7 months | 2018-03-08 | 40.00 | 2 months | 2020-09-14 | 2021-03-14 | | SDT 36 | 2018-05-10 | | | | | |
| | | | | ISO 13541:2010 | Attitude Data Messages | | | | | | | | | | | | | | | 504.0-B-1 (May 2008) | 2020-12-15 | DIS Balloting | ISO Central Secretariat | Process Cor.1 = Jul'15 |
| | | | 53987 | ISO 13541:2010 | Space data and information transfer systems -- Attitude data messages | ISO/TC 20/SC 13 | | | | | | 2017-09-14 | 90.92 | 7 months | | | 2010-09 | SDT 36 | | | | | | |
| | | | | 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 |
| | | | 22845 | ISO 13764:1996 | Space data and information transfer systems -- Standard formatted data units -- Control authority procedures | ISO/TC 20/SC 13 | | | | | | 2014-07-14 | 90.93 | 45 months | | | | | 2019-07-15 | | | | | |
| | | | | ISO 14721:2012 | Reference Model for an Open Archival Information System (OAIS) | | | | | | | | | | | | | | | 650.0-M-2 (Jun 2012) | 2023-01-09 | Systematic Review | ISO Central Secretariat | Published 2012-09-01, Reconfirmed 1/9/2018 |
| | | | 57284 | ISO 14721:2012 | Space data and information transfer systems -- Open archival information system (OAIS) -- Reference model | ISO/TC 20/SC 13 | | | | | | 2018-01-09 | 90.93 | 3 months | | | 2012-09 | SDT 36 | | | | | | |
| | | | | 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 |
| I | | | 34701 | ISO 14961:2002 | Space data and information transfer systems -- Parameter value language specification | ISO/TC 20/SC 13 | | | | | | 2013-08-23 | 90.93 | 56 months | | | 2002-09 | | 2018-07-15 | | | | | |
| | | | | ISO 14962:1997 | ASCII Encoded English | | | | | | | | | | | | | | | 643.0-B-1 (Nov 1992) | 2019-07-14 | Systematic Review | ISO Central Secretariat | Reaffirmed: 2014-07-14 |
| | | | 26096 | ISO 14962:1997 | Space data and information transfer systems -- ASCII encoded English | ISO/TC 20/SC 13 | | | | | | 2017-07-14 | 90.93 | 45 months | | | | | 2019-07-15 | | | | | |
| | | | | 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 |
| I | | | 27534 | ISO 15395:1998 | Space data and information transfer systems -- Standard formatted data units -- Control authority data structures | ISO/TC 20/SC 13 | | | | | | 2013-08-23 | 90.93 | 56 months | | | | | 2018-07-15 | | | | | |
| | | | | 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 - Space Link Extension Service | ISO/TC 20/SC 13 | | | | | | 2015-12-18 | 90.93 | 28 months | | | 2007-04 | SDT 36 | 2020-10-15 | | | | | |
| | | | | ISO 11754:2003 | Telemetry Channel Coding | | | | | | | | | | | | | | | 101.0-B-6 (Oct 2002) | Withdrawn | Archived | N/A | |
| | | | | ISO 13419:2003 | Packet Telemetry | | | | | | | | | | | | | | | 102.0-B-5 (Nov 2000) | Withdrawn | Archived | N/A | |
| | | | | ISO 17433:2003 | Packet Telemetry Service Specification | | | | | | | | | | | | | | | 103.0-B-1 (Jun 2001) | Withdrawn | Archived | N/A | |
| | | | | ISO 15887:2013 | Lossless Data Compression | | | | | | | | | | | | | | | 121.0-B-2 (May 2012) | 2018-04-15 | Systematic Review | ISO Central Secretariat | |
| I | | | 62314 | ISO 15887:2013 | Space data and information transfer systems -- Lossless data compression | ISO/TC 20/SC 13 | | | | | | 2018-04-15 | 90.20 | 23 days | | | 2013-06 | SDT 36 | 2018-09-04 | | | | | |
| | | | | 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 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 29441 | ISO 15888:2000 | Space data and information transfer systems -- Standard formatted data units -- Referencing environment | ISO/TC 20/SC 13 | | | | | | 2017-01-09 | 90.93 | 15 months | | | 2000-10 | | | | | | | |
| | | | | ISO 15889:2011 | The Data Description Language EAST Specification | | | | | | | | | | | | | | | 644.0-B-3 (Jun 2010) | 2022-12-04 | Systematic Review | ISO Central Secretariat | Reaffirmed 2017-12-04 |
| I | | | 57320 | ISO 15889:2011 | Space data and information transfer systems -- The data description language -- EAST specification | ISO/TC 20/SC 13 | | | | | | 2017-12-04 | 90.93 | 5 months | | | 2011-10 | SDT 36 | | | | | | |
| | | | | ISO 15891:2000 | Space Communications Protocol Specification (SCPS) - Network Protocol (SCPS-NP) | | | | | | | | | | | | | | | 713.0-B-1 (May 1999) | Withdrawn | Archived | N/A | Withdrawn: 2011-05-10 |
| | | | | ISO 15892:2000 | Space Communications Protocol Specification (SCPS) - Security Protocol (SCPS-SP) | | | | | | | | | | | | | | | 713.5-B-1 (May 1999) | Withdrawn | Archived | 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) | ISO/TC 20/SC 13 | | | | | | 2016-03-16 | 90.93 | 25 months | | | 2010-09 | SDT 48 | 2021-01-15 | | | | | |
| | | | | ISO 15894:2000 | Space Communications Protocol Specification (SCPS) - File Protocol (SCPS-FP) | | | | | | | | | | | | | | | 717.0-B-1 (May 1999) | Withdrawn | Archived | N/A | Withdrawn: 2011-05-10 |
| | | | | ISO 16363:2012 | Audit and Certification of Trustworthy Digital Repositories | | | | | | | | | | | | | | | 652.0-M-1 (Sep 2011) | 2022-07-12 | Systematic Review | ISO Central Secretariat | Reaffirmed 2017-07-12 |
| | | | 56510 | ISO 16363:2012 | Space data and information transfer systems - Audit and certification of trustworthy digital repositories | ISO/TC 20/SC 13 | John Garrett (jgarrett@his.com) | | | | | 2017-07-10 | 90.93 | 9 months | | | 2012-02 | SDT 36 | | | | | | |
| | | | | 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 | ISO/TC 20/SC 13 | | | | | | 2014-10-29 | 60.60 | 42 months | | | 2014-11 | SDT 48 | 2019-10-15 | | | | | |
| | | | | ISO 17107:2011 | XML Specification for Navigation Data Messages | | | | | | | | | | | | | | | 505.0-B-1 (Dec 2010) | 2022-12-04 | Systematic Review | ISO Central secretariat | Reaffirmed 2017-12-04 |
| I | | | 59155 | ISO 17107:2011 | Space data and information transfer systems -- XML specification for navigation data messages | ISO/TC 20/SC 13 | | | | | | 2017-12-04 | 90.93 | 5 months | | | 2011-11 | SDT 36 | | | | | | |
| | | | | ISO 17214:2011 | Spacecraft Onboard Interface Services - Time Access Service | | | | | | | | | | | | | | | 872.0-M-1 (Jan 2011) | Withdrawn | Archived | N/A | Withdrawn: 2017-12-03 |
| | | | | 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 |
| I | | | 43829 | ISO 17355:2007 | Space data and information transfer systems -- CCSDS file delivery protocol | ISO/TC 20/SC 13 | | | | | | 2016-01-21 | 90.92 | 27 months | | | 2007-05 | SDT 36 | | | | | | |
| I | | Submit to ISO/CS | 70700 | ISO/CD 17355 | Space data and information transfer systems -- CCSDS file delivery protocol | ISO/TC 20/SC 13 | James Afarin (james.afarin@nasa.gov) | | | 2016-01-21 | 27 months | 2016-01-21 | 30.99 | 27 months | 2019-01-21 | 2019-07-21 | | SDT 48 | | | | | | |
| | | | | ISO 17807:2013 | Asynchronous Message Service | | | | | | | | | | | | | | | 735.1-B-1 (Sep 2011) | 2018-04-15 | Systematic Review | ISO Central Secretariat | |
| I | | | 60592 | ISO 17807:2013 | Space data and information transfer systems -- Asynchronous message service | ISO/TC 20/SC 13 | | | | | | 2018-04-15 | 90.20 | 23 days | | | 2013-06 | SDT 36 | 2018-09-04 | | | | | |
| | | | | 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 -- Telemetry (TM) channel coding profiles | ISO/TC 20/SC 13 | | | | | | 2014-06-23 | 60.60 | 46 months | | | 2014-07 | SDT 36 | 2019-04-15 | | | | | |
| | | | | 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 | ISO/TC 20/SC 13 | | | | | | 2014-06-23 | 60.60 | 46 months | | | 2014-07 | SDT 36 | 2019-04-15 | | | | | |
| | | | | 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 pseudo-random noise (PN) Ranging for 2 GHz code division multiple access (CDMA) CDMA Link via Data Relay Satellite | ISO/TC 20/SC 13 | | | | | | 2014-06-23 | 60.60 | 46 months | | | 2014-07 | SDT 36 | 2019-04-15 | | | | | |
| | | | | ISO 17854:2013 | Flexible Advanced Coding and Modulation Scheme for High Rate Telemetry Applications | | | | | | | | | | | | | | | 131.2-B-1 (Mar 2012) | 2018-04-15 | Systematic Review | ISO Central Secretariat | |
| I | | | 60827 | ISO 17854:2013 | Space data and information transfer systems - Flexible Advance Coding and Modulation Scheme for High Rate Telemetry Applications | ISO/TC 20/SC 13 | | | | | | 2018-04-15 | 90.20 | 23 days | | | 2013-06 | SDT 36 | 2018-09-04 | | | | | |
| | | | | ISO 18201:2013 | Mission Operations Reference Model | | | | | | | | | | | | | | | 520.1-M-1 (Jul 2010) | 2018-04-15 | Systematic Review | ISO Central Secretariat | |
| I | | | 61741 | ISO 18201:2013 | Space data and information transfer systems -- Missions operations reference model | ISO/TC 20/SC 13 | | | | | | 2018-04-15 | 90.20 | 23 days | | | 2013-06 | SDT 36 | 2018-09-04 | | | | | |
| | | | | ISO 18202:2015 | Mission Operations Message Abstraction Layer | | | | | | | | | | | | | | | 521.0-B-2 (Mar 2013) | 2020-12-15 | Systematic Review | ISO Central Secretariat | |
| I | | | 68558 | ISO 18202:2015 | Space data and information transfer systems -- Mission operations message abstraction layer | ISO/TC 20/SC 13 | | | | | | 2015-11-24 | 60.60 | 29 months | | | 2015-12 | SDT 36 | 2020-10-15 | | | | | |
| | | | | ISO 18381:2013 | Lossless Multispectral & Hyperspectral Image Compression | | | | | | | | | | | | | | | 123.0-B-1 (May 2012) | 2018-04-15 | Systematic Review | ISO Central Secretariat | |
| I | | | 62319 | ISO 18381:2013 | Space data and information transfer systems -- Lossless multispectral & hyperspectral image compression | ISO/TC 20/SC 13 | | | | | | 2018-04-15 | 90.20 | 23 days | | | 2013-06 | SDT 36 | 2018-09-04 | | | | | |
| | | | | ISO 18382:2013 | Spacecraft Onboard Interface Services - RFID-Based Inventory Management Systems | | | | | | | | | | | | | | | 881.0-M-1 (May 2012) | 2018-04-15 | Systematic Review | ISO Central Secretariat | |
| I | | | 62320 | ISO 18382:2013 | Space data and information transfer systems -- Spacecraft onboard interface services -- RFID-based inventory management systems | ISO/TC 20/SC 13 | | | | | | 2018-04-15 | 90.20 | 23 days | | | 2013-06 | SDT 36 | 2018-09-04 | | | | | |
| | | | | 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 | ISO/TC 20/SC 13 | | | | | | 2015-08-11 | 60.60 | 32 months | | | 2015-08 | SDT 36 | | | | | | |
| | | | | ISO 18424:2013 | XML Telemetric and Command Exchange (XTCE) | | | | | | | | | | | | | | | 660.0-B-1 (Oct 2007) | 2018-04-15 | Systematic Review | ISO Central Secretariat | |
| I | | | 62448 | ISO 18424:2013 | Space data and information transfer systems -- XML Telemetric and Command Exchange (XTCE) | ISO/TC 20/SC 13 | | | | | | 2018-04-15 | 90.20 | 23 days | | | 2013-06 | SDT 36 | 2018-09-04 | | | | | |
| | | | | ISO 18425:2013 | Spacecraft Onboard Interface Services - Subnetwork Packet Service | | | | | | | | | | | | | | | 851.0-M-1 (Dec 2009) | 2018-04-15 | Systematic Review | ISO Central Secretariat | |
| I | | | 62449 | ISO 18425:2013 | Space data and information transfer systems -- Spacecraft Onboard Interface Services -- Subnetwork Packet Service | ISO/TC 20/SC 13 | | | | | | 2018-04-15 | 90.20 | 23 days | | | 2013-06 | SDT 36 | 2018-09-04 | | | | | |
| | | | | ISO 18426:2013 | Spacecraft Onboard Interface Services - Subnetwork Memory Access Service | | | | | | | | | | | | | | | 852.0-M-1 (Dec 2009) | 2018-04-15 | Systematic Review | ISO Central Secretariat | |
| I | | | 62450 | ISO 18426:2013 | Space data and information transfer systems -- Spacecraft Onboard Interface Services -- Subnetwork Memory Access Service | ISO/TC 20/SC 13 | | | | | | 2018-04-15 | 90.20 | 23 days | | | 2013-06 | SDT 36 | 2018-09-15 | | | | | |
| | | | | ISO 18427:2013 | Spacecraft Onboard Interface Services - Subnetwork Synchronization Service | | | | | | | | | | | | | | | 853.0-M-1 (Dec 2009) | 2018-04-15 | Systematic Review | ISO Central Secretariat | |
| I | | | 62451 | ISO 18427:2013 | Space data and information transfer systems -- Spacecraft Onboard Interface Services -- Subnetwork Synchronization Service | ISO/TC 20/SC 13 | | | | | | 2018-04-15 | 90.20 | 23 days | | | 2013-06 | SDT 36 | 2018-09-04 | | | | | |
| | | | | ISO 18428:2013 | Spacecraft Onboard Interface Services - Subnetwork Device Discovery Service | | | | | | | | | | | | | | | 854.0-M-1 (Dec 2009) | 2018-04-15 | Systematic Review | ISO Central Secretariat | |
| I | | | 62452 | ISO 18428:2013 | Space data and information transfer systems -- Spacecraft Onboard Interface Services -- Subnetwork Device Discovery Service | ISO/TC 20/SC 13 | | | | | | 2018-04-15 | 90.20 | 23 days | | | 2013-06 | SDT 36 | 2018-09-04 | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ISO 18438:2013 | Spacecraft Onboard Interface Services - Subnetwork Test Service | | | | | | | | | | | | | | | 855.0-M-1 (Dec 2009) | 2018-04-15 | Systematic Review | ISO Central Secretariat | |
| I | | | 62453 | ISO 18438:2013 | Space data and information transfer systems -- Spacecraft Onboard Interface Services -- Subnetwork Test Service | ISO/TC 20/SC 13 | | | | | | 2018-04-15 | 90.20 | 23 days | | | 2013-06 | SDT 36 | 2018-09-04 | | | | | |
| | | | | ISO 18439:2013 | Space Communication Cross Support - Service Management - Service Specification | | | | | | | | | | | | | | | 910.11-B-1 (Aug 2009) | Withdrawn | Archived | N/A | Withdrawn: 2017-12-03 |
| | | | | ISO 18440:2016 | Space Link Extension - Internet Protocol for Transfer Services | | | | | | | | | | | | | | | 913.1-B-2 (Sep 2015) | 2021-11-15 | Systematic Review | ISO Central Secretariat | |
| I | | | 70702 | ISO 18440:2016 | Space data and information transfer systems -- Space link extension -- Internet protocol for transfer services | ISO/TC 20/SC 13 | James Afarin (james.afarin@nasa.gov) | | | | | 2016-11-03 | 60.60 | 18 months | | | 2016-11 | SDT 24 | 2021-10-15 | | | | | |
| I | | | 74560 | ISO/DIS 18441 | Space data and information transfer systems -- Space link extension -- Application program interface for transfer services -- Core specification | ISO/TC 20/SC 13 | James Afarin (james.afarin@nasa.gov) | | | 2017-09-14 | 7 months | 2018-03-08 | 40.00 | 2 months | 2020-09-14 | 2021-03-14 | | SDT 36 | 2018-05-10 | | | | | |
| | | | | ISO 18441:2016 | Space Link Extension - Application Program Interface for Transfer Services - Core Specification | | | | | | | | | | | | | | | 914.0-M-2 (Sep 2015) | 2021-11-15 | DIS Balloting | ISO Central Secretariat | |
| | | | 70703 | ISO 18441:2016 | Space data and information transfer systems -- Space link extension -- Application program interface for transfer services -- Core specification | ISO/TC 20/SC 13 | James Afarin (james.afarin@nasa.gov) | | | | | 2017-09-14 | 90.92 | 7 months | | | 2016-11 | SDT 24 | | | | | | |
| | | | | ISO 18442:2016 | 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 | |
| I | | | 70704 | ISO 18442:2016 | Space data and information transfer systems -- Space link extension -- Application program interface for return all frames service | ISO/TC 20/SC 13 | James Afarin (james.afarin@nasa.gov) | | | | | 2016-11-03 | 60.60 | 18 months | | | 2016-11 | SDT 24 | 2021-10-15 | | | | | |
| | | | | ISO 18443:2016 | 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 | |
| I | | | 70705 | ISO 18443:2016 | Space data and information transfer systems -- Space link extension -- Application program interface for return channel frames service | ISO/TC 20/SC 13 | James Afarin (james.afarin@nasa.gov) | | | | | 2016-11-03 | 60.60 | 18 months | | | 2016-11 | SDT 24 | 2021-10-15 | | | | | |
| | | | | ISO 18444:2016 | 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 | |
| I | | | 70706 | ISO 18444:2016 | Space data and information transfer systems -- Space link extension -- Application program interface for return operational control fields service | ISO/TC 20/SC 13 | James Afarin (james.afarin@nasa.gov) | | | | | 2016-11-03 | 60.60 | 18 months | | | 2016-11 | SDT 24 | 2021-10-15 | | | | | |
| | | | | ISO 18445:2016 | 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 | |
| I | | | 70707 | ISO 18445:2016 | Space data and information transfer systems -- Space link extension -- Application program interface for the forward CLTU service | ISO/TC 20/SC 13 | James Afarin (james.afarin@nasa.gov) | | | | | 2016-11-03 | 60.60 | 18 months | | | 2016-11 | SDT 24 | 2021-10-15 | | | | | |
| | | | | ISO 18446:2016 | 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 | |
| I | | | 70708 | ISO 18446:2016 | Space data and information transfer systems -- Space link extension -- Application program interface for the forward space packet service | ISO/TC 20/SC 13 | James Afarin (james.afarin@nasa.gov) | | | | | 2016-11-03 | 60.60 | 18 months | | | 2016-11 | SDT 24 | 2021-10-15 | | | | | |
| | | | | 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 | ISO/TC 20/SC 13 | | | | | | 2014-06-23 | 60.60 | 46 months | | | 2014-07 | SDT 24 | 2019-04-15 | | | | | |
| | | | | 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) | ISO/TC 20/SC 13 | | | | | | 2015-08-11 | 60.60 | 32 months | | | 2015-08 | SDT 24 | | | | | | |
| | | | | 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 | ISO/TC 20/SC 13 | | | | | | 2015-08-11 | 60.60 | 32 months | | | 2015-08 | SDT 24 | | | | | | |
| | | | | 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 | ISO/TC 20/SC 13 | | | | | | 2015-08-11 | 60.60 | 32 months | | | 2015-08 | SDT 24 | | | | | | |
| | | | | ISO 20107:2015 | Spacecraft Onboard Interface Services - Device Virtualization Service | | | | | | | | | | | | | | | 871.2-M-1 (Mar 2014) | Withdrawn | Archived | N/A | Withdrawn: 2017-12-03 |
| | | | | ISO 20205:2015 | Spacecraft Onboard Interface Systems - Low Data-Rate Wireless Communications for Spacecraft Monitoring and Control | | | | | | | | | | | | | | | 882.0-M-1 (May 2013) | 2020-08-15 | Systematic Review | ISO Central Secretariat | |
| | | | 67300 | ISO 20205:2015 | Space data and information transfer systems -- Spacecraft Onboard Interface Systems - Low Data Rate Wireless Communications for Spacecraft Monitoring and Control | ISO/TC 20/SC 13 | | | | | | 2015-08-11 | 60.60 | 32 months | | | 2015-08 | SDT 24 | | | | | | |
| | | | | ISO 13420:1997 | Advanced Orbiting Systems, Networks and Data Links: Architectual Specification | | | | | | | | | | | | | | | 701.0-B-3 (Jun 2001) | Withdrawn | Archived | N/A | |
| | | | | 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 | Space data and information transfer systems -- IP over CCSDS space links | ISO/TC 20/SC 13 | | | | | | 2015-08-11 | 60.60 | 32 months | | | 2015-08 | SDT 24 | | | | | | |
| | | | | 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 | Space data and information transfer systems --CCSDS Space Link Protocols over ETSI DVB-S2 Standard | ISO/TC 20/SC 13 | | | | | | 2015-08-11 | 60.60 | 32 months | | | 2015-08 | SDT 24 | | | | | | |
| | | | | ISO 20208:2015 | Space data and information transfer systems -- Delta-DOR Raw Data Exchange Format | | | | | | | | | | | | | | | 506.1-B-1 (Jun 2013) | 2020-08-15 | Systematic Review | ISO Central Secretariat | |
| | | | 67303 | ISO 20208:2015 | Space data and information transfer systems -- Delta-DOR Raw Data Exchange Format | ISO/TC 20/SC 13 | | | | | | 2015-08-11 | 60.60 | 32 months | | | 2015-08 | SDT 24 | | | | | | |
| | | | | 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 | Space data and information transfer systems --Mission Operations Message Abstraction Layer - JAVA API | ISO/TC 20/SC 13 | | | | | | 2015-08-11 | 60.60 | 32 months | | | 2015-08 | SDT 24 | | | | | | |
| | | | | ISO 20211:2015 | Spacecraft Onboard Interface Services - Device Access Service | | | | | | | | | | | | | | | 871.0-M-1 (Mar 2013) | Withdrawn | Archived | N/A | Withdrawn: 2017-12-03 |
| | | | | ISO 20213:2015 | Spacecraft Onboard Interface Services - Message Transfer Service | | | | | | | | | | | | | | | 875.0-M-1 (Nov 2012) | Withdrawn | Archived | N/A | Withdrawn: 2017-12-03 |
| | | | | 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 | Space data and information transfer systems -- Security Architecture for Space Data Systems | ISO/TC 20/SC 13 | | | | | | 2015-08-11 | 60.60 | 32 months | | | 2015-08 | SDT 24 | | | | | | |
| | | | | ISO 20215:2015 | CCSDS Cryptographic Algorithms | | | | | | | | | | | | | | | 352.0-B-1 (Nov 2012) | 2020-08-15 | Systematic Review | ISO Central Secretariat | |
| | | | 67308 | ISO 20215:2015 | Space data and information transfer systems --CCSDS Cryptographic Algorithms | ISO/TC 20/SC 13 | | | | | | 2015-08-11 | 60.60 | 32 months | | | 2015-08 | SDT 24 | | | | | | |
| | | | | ISO 20216:2015 | Spacecraft Onboard Interface Services - Device Data Pooling Service | | | | | | | | | | | | | | | 871.1-M-1 (Nov 2012) | Withdrawn | Archived | N/A | Withdrawn: 2017-12-03 |
| | | | | ISO 20217:2015 | Spacecraft Onboard Interface Services - File and Packet Store Services | | | | | | | | | | | | | | | 873.0-M-1 (Sep 2012) | Withdrawn | Archived | N/A | Withdrawn: 2017-12-03 |
| | | | | ISO 20618:2015 | Spacecraft Onboard Interface Services - Device Enumeration Service | | | | | | | | | | | | | | | 871.3-M-1 (Oct 2014) | Withdrawn | Archived | N/A | Withdrawn: 2017-12-03 |
| | | | | 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 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 39577 | ISO 20652:2006 | Space data and information transfer systems -- Produces-archive interface -- Methodology abstract standard | ISO/TC 20/SC 13 | | | | | | 2014-07-14 | 90.93 | 45 months | | | 2006-02 | | 2019-07-15 | | | | | |
| | | | | ISO 21076:2016 | Space Communications Cross Support - Architecture Requirements Document | | | | | | | | | | | | | | | 901.1-M-1 (May 2015) | 2021-12-23 | Systematic Review | ISO Central Secretariat | |
| I | | | 69836 | ISO 21076:2016 | Space data and information transfer systems -- Space communications cross support -- Architecture requirements document | ISO/TC 20/SC 13 | | | | | | 2016-07-06 | 60.60 | 22 months | | | 2016-07 | SDT 24 | 2021-07-15 | | | | | |
| I | | | 74553 | ISO/DIS 21077 | Space data and information transfer systems -- Digital motion imagery | ISO/TC 20/SC 13 | James Afarin (james.afarin@nasa.gov) | | | 2017-09-14 | 7 months | 2018-03-08 | 40.00 | 2 months | 2020-09-14 | 2021-03-14 | | SDT 36 | 2018-05-10 | | | | | |
| | | | | ISO 21077:2016 | Digital Motion Imagery | | | | | | | | | | | | | | | 766.1-B-1 (May 2015) | 2021-12-23 | DIS Balloting | ISO Cetral Secretariat | |
| | | | 69837 | ISO 21077:2016 | Space data and information transfer systems -- Digital motion imagery | ISO/TC 20/SC 13 | | | | | | 2017-09-14 | 90.92 | 7 months | | | 2016-07 | SDT 24 | | | | | | |
| | | | | ISO 21080:2016 | Licklider Transmission Protocol (LTP) for CCSDS | | | | | | | | | | | | | | | 734.1-B-1 (May 2015) | 2021-12-23 | Systematic Review | ISO Central Secretariat | |
| I | | | 69839 | ISO 21080:2016 | Space data and information transfer systems -- Licklider transmission protocol (LTP) for CCSDS | ISO/TC 20/SC 13 | | | | | | 2016-07-06 | 60.60 | 22 months | | | 2016-07 | SDT 24 | 2021-07-15 | | | | | |
| | | | | 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 -- MAL space packet transport binding and binary encoding | ISO/TC 20/SC 13 | | | | | | 2016-07-14 | 60.60 | 21 months | | | 2016-07 | SDT 24 | 2021-07-15 | | | | | |
| | | | | ISO 21323:2016 | CCSDS Bundle Protocol Specification | | | | | | | | | | | | | | | 734.2-B-1 (Sep 2015) | 2021-11-15 | Systematic Review | ISO Central Secretariat | |
| I | | | 70545 | ISO 21323:2016 | Space data and information transfer systems -- CCSDS Bundle protocol specification | ISO/TC 20/SC 13 | | | | | | 2016-11-03 | 60.60 | 18 months | | | 2016-11 | SDT 24 | 2021-10-15 | | | | | |
| | | | | 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 | ISO/TC 20/SC 13 | | | | | | 2016-11-03 | 60.60 | 18 months | | | 2016-11 | SDT 24 | 2021-10-15 | | | | | |
| | | | | 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 | ISO/TC 20/SC 13 | | | | | | 2015-08-11 | 60.60 | 32 months | | | 2015-08 | SDT 36 | | | | | | |
| | | | | 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 | ISO/TC 20/SC 13 | | | | | | 2015-08-11 | 60.60 | 32 months | | | 2015-08 | SDT 36 | | | | | | |
| | | | | 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 |
| I | | | 36036 | ISO 21961:2003 | Space data and information transfer systems -- Data entity dictionary specification language (DEDSL) -- Abstract syntax | ISO/TC 20/SC 13 | | | | | | 2013-08-23 | 90.93 | 56 months | | | 2003-03 | | 2018-07-15 | | | | | |
| | | | | 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 |
| I | | | 36037 | ISO 21962:2003 | Space data and information transfer systems -- Data entity dictionary specification language (DEDSL) -- PVL syntax | ISO/TC 20/SC 13 | | | | | | 2013-08-23 | 90.93 | 56 months | | | 2003-03 | | 2018-07-15 | | | | | |
| | | | | ISO 22641:2012 | TM Synchronization and Channel Coding | | | | | | | | | | | | | | | 131.0-B-2 (Aug 2011) | 2023-01-09 | Systematic Review | ISO Central Secretariat | Patent Policy & Declaration Form (CalTech) submitted to ISO on 7/8/2011; Published 7/15/2012, Reconfirmed 1/9/2018 |
| | | | 60590 | ISO 22641:2012 | Space data and information transfer systems -- TM (telemetry) synchronization and channel coding | ISO/TC 20/SC 13 | | | | | | 2018-01-09 | 90.93 | 3 months | | | 2012-07 | STD 36 | | | | | | |
| | | | | 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 | ISO/TC 20/SC 13 | | | | | | 2015-11-16 | 60.60 | 29 months | | | 2015-11 | STD 48 | 2020-10-15 | | | | | |
| | | | | 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 |
| | | | 36377 | ISO 22643:2003 | Space data and information transfer systems -- Data entity dictionary specification language (DEDSL) -- XML/DTD Syntax | ISO/TC 20/SC 13 | | | | | | 2014-07-14 | 90.93 | 45 months | | | 2003-03 | | 2019-07-15 | | | | | |
| | | | | ISO 11103:1991 | Radio Metric and Orbit Data | | | | | | | | | | | | | | | 501.0.B-1 (Jan 1987) | Withdrawn | Archived | N/A | |
| | | | | 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 |
| I | | | 70698 | ISO 22645:2016 | Space data and information transfer systems -- TM (telemetry) space data link protocol | ISO/TC 20/SC 13 | James Afarin (james.afarin@nasa.gov) | | | | | 2016-11-03 | 60.60 | 18 months | | | 2016-11 | SDT 24 | 2021-10-15 | | | | | |
| | | | | 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 | ISO/TC 20/SC 13 | | | | | | 2015-03-17 | 90.93 | 37 months | | | 2005-07 | | | | | | | |
| | | | 68742 | ISO 22646:2005/Amd 1:2015 | Space data and information transfer systems -- Space packet protocol -- Amendment 1 | ISO/TC 20/SC 13 | James Afarin (james.afarin@nasa.gov) | | | | | 2015-07-09 | 60.60 | 33 months | | | 2015-07 | SDT 24 | | | | | | |
| | | | | ISO 22647:2010 | Space Link Identifiers | | | | | | | | | | | | | | | 135.0-B-4 (Oct 2009) | Withdrawn | Archived | N/A | Archived/Silver Book in CCSDS; withdrawn in ISO: 2016-03-28 |
| | | | | ISO 12171:2002 | Telecommand Part 1--Channel Service | | | | | | | | | | | | | | | 201.0.B-3 (Jun 2000) | Withdrawn | Archived | N/A | |
| | | | | ISO 12172:2001 | Telecommand Part 2--Data Routing Service | | | | | | | | | | | | | | | 202.0-B-3 (Jun 2001) | Withdrawn | Archived | N/A | |
| | | | | ISO 12173:2003 | Telecommand Part 2.1--Command Operation Procedures | | | | | | | | | | | | | | | 202.1-B-2 (Jun 2001) | Withdrawn | Archived | N/A | |
| | | | | ISO 12174:2003 | Telecommand Part 3--Data Management Service | | | | | | | | | | | | | | | 203.0-B-2 (Jun 2001) | Withdrawn | Archived | N/A | |
| | | | | 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 | ISO/TC 20/SC 13 | | | | | | 2015-08-11 | 60.60 | 32 months | | | 2015-08 | SDT 36 | | | | | | |
| | | | | 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 | ISO/TC 20/SC 13 | James Afarin (james.afarin@nasa.gov) | | | | | 2016-11-03 | 60.60 | 18 months | | | 2016-11 | SDT 24 | 2021-10-15 | | | | | |
| | | | | ISO 22666:2016 | 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) |
| I | | | 70701 | ISO 22666:2016 | Space data and information transfer systems -- AOS (advanced orbiting systems) space data link protocol | ISO/TC 20/SC 13 | James Afarin (james.afarin@nasa.gov) | | | | | 2016-11-03 | 60.60 | 18 months | | | 2016-11 | SDT 24 | 2021-10-15 | | | | | |
| | | | | ISO 22667:2013 | Communications Operation Procedure-1 | | | | | | | | | | | | | | | 232.1-B-2 (Sep 2010) | 2018-04-15 | Systematic Review | ISO Central Secretariat | |
| I | | | 61747 | ISO 22667:2013 | Space data and information transfer systems -- Communication operations Procedure-1 | ISO/TC 20/SC 13 | | | | | | 2018-04-15 | 90.20 | 23 days | | | 2013-06 | SDT 36 | 2018-09-04 | | | | | |
| I | | | 74554 | ISO/DIS 22669 | Space data and information transfer systems -- Space link extension (SLE) -- Return-all-frames service | ISO/TC 20/SC 13 | James Afarin (james.afarin@nasa.gov) | | | 2017-09-14 | 7 months | 2018-03-08 | 40.00 | 2 months | 2020-09-14 | 2021-03-14 | | SDT 36 | 2018-05-10 | | | | | |
| | | | | ISO 22669:2013 | Space Link Extension - Return All Frames Service Specification | | | | | | | | | | | | | | | 911.1-B-3 (Jan 2010) | 2018-06-01 | DIS Balloting | ISO Central Secretariat | |
| | | | 61743 | ISO 22669:2013 | Space data and information transfer systems -- Space link extension (SLE) -- Return-all-frames service | ISO/TC 20/SC 13 | | | | | | 2017-09-14 | 90.92 | 7 months | | | 2013-06 | SDT 36 | | | | | | |
| I | | | 74555 | ISO/DIS 22670 | Space data and information transfer systems -- Space link extension (SLE) -- Return-channel-frames service | ISO/TC 20/SC 13 | James Afarin (james.afarin@nasa.gov) | | | 2017-09-14 | 7 months | 2018-03-08 | 40.00 | 2 months | 2020-09-14 | 2021-03-14 | | SDT 36 | 2018-05-10 | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ISO 22670:2013 | Space Link Extension - Return Channel Frames Service Specification | | | | | | | | | | | | | | | 911.2-B-2 (Jan 2010) | 2018-06-01 | DIS Balloting | ISO Central Secretariat | |
| | | | 61744 | ISO 22670:2013 | Space data and information transfer systems -- Space link extension -- Return-channel frames service specification | ISO/TC 20/SC 13 | | | | | | 2017-09-14 | 90.92 | 7 months | | | 2013-06 | SDT 36 | | | | | | |
| I | | | 74557 | ISO/DIS 22671 | Space data and information transfer systems -- Space link extension (SLE) -- Forward communications link transmission unit (CLTU) service | ISO/TC 20/SC 13 | James Afarin (james.afarin@nasa.gov) | | | 2017-09-14 | 7 months | 2018-03-08 | 40.00 | 2 months | 2020-09-14 | 2021-03-14 | | SDT 36 | 2018-05-10 | | | | | |
| | | | | ISO 22671:2011 | Space Link Extension - Forward CLTU Service Specification | | | | | | | | | | | | | | | 912.1-B-3 (Jul 2010) | 2022-07-12 | DIS Balloting | ISO Central Secretariat | Reaffirmed 2017-07-12 |
| | | | 58052 | ISO 22671:2011 | Space data and information transfer systems -- Space link extension (SLE) -- Forward communications link transmission unit (CLTU) service | ISO/TC 20/SC 13 | | | | | | 2017-09-14 | 90.92 | 7 months | | | 2011-11 | SDT 36 | | | | | | |
| I | | | 74558 | ISO/DIS 22672 | Space data and information transfer systems -- Space link extension (SLE) -- Forward space packet service specification | ISO/TC 20/SC 13 | James Afarin (james.afarin@nasa.gov) | | | 2017-09-14 | 7 months | 2018-03-08 | 40.00 | 2 months | 2020-09-14 | 2021-03-14 | | SDT 36 | 2018-05-10 | | | | | |
| | | | | ISO 22672:2011 | Space Link Extension - Forward Space Packet Service Specification | | | | | | | | | | | | | | | 912.3-B-2 (Jul 2010) | 2022-03-11 | DIS Balloting | ISO Central secretariat | |
| | | | 58053 | ISO 22672:2011 | Space data and information transfer systems -- Space link extension (SLE) -- Forward space packet service specification | ISO/TC 20/SC 13 | | | | | | 2017-09-14 | 90.92 | 7 months | | | 2011-11 | SDT 24 | | | | | | |
| I | | | 74561 | ISO/DIS 23103 | Space link extension -- Cross support transfer service -- Specification framework | ISO/TC 20/SC 13 | James Afarin (james.afarin@nasa.gov) | | | 2017-09-14 | 7 months | 2018-03-08 | 40.00 | 2 months | 2019-09-14 | 2020-03-14 | | SDT 24 | 2018-05-10 | | | | | |
| I | | | 74562 | ISO/DIS 23104 | Space link extension -- Cross support transfer service -- Monitored data service | ISO/TC 20/SC 13 | James Afarin (james.afarin@nasa.gov) | | | 2017-09-14 | 7 months | 2018-03-08 | 40.00 | 2 months | 2019-09-14 | 2020-03-14 | | SDT 24 | 2018-05-10 | | | | | |
| I | | | 74556 | ISO/DIS 26143 | Space data and information transfer systems -- Space link extension (SLE) -- Return operational control fields service | ISO/TC 20/SC 13 | James Afarin (james.afarin@nasa.gov) | | | 2017-09-14 | 7 months | 2018-03-08 | 40.00 | 2 months | 2020-09-14 | 2021-03-14 | | SDT 36 | 2018-05-10 | | | | | |
| | | | | ISO 26143:2013 | Space Link Extension - Return Operation Control Fields Service Specification | | | | | | | | | | | | | | | 911.5-B-2 (Jan 2010) | 2018-06-01 | DIS Balloting | ISO Central Secretariat | |
| | | | 61745 | ISO 26143:2013 | Space data and information transfer systems -- Space link extension (SLE) -- Return operational control fields service | ISO/TC 20/SC 13 | | | | | | 2017-09-14 | 90-92 | 7 months | | | 2013-06 | SDT 24 | | | | | | |
| | | | | 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 |
| | | | | NP 23103 | Space link extension - Cross support transfer service - Specification framework | | | | | | | | | | | | | | | 921.1-B-1 (Apr 2017) | | DIS Balloting | ISO Central Secretariat | |
| | | | | NP 23104 | Space link extension - Cross support transfer service - Monitored data service | | | | | | | | | | | | | | | 922.1-B-1 (Apr 2017) | | DIS Balloting | ISO Central Secretariat | |
| | | | 43849 | ISO 26868:2009 | Space data and information transfer systems -- Image data compression | ISO/TC 20/SC 13 | | | | | | 2014-07-14 | 90.93 | 45 months | | | 2009-02 | SDT 36 | 2019-07-15 | | | | | |

## 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 |