CCSDS Document Status as of October 3, 2016

Total Number of Documents: 216

CMC Documents

Number	Title	Owner	Current Status	Status Date	Presumptive Next Action	Action Date	Respon-sible Party	ISO
A01.1-Y-2	Strategic Plan of the Consultative Committee for Space Data Systems	Secretariat					Secretariat	
A02.1-Y-4	Organization and Processes for the Consultative Committee for Space Data Systems	Secretariat	Released	March 2014	Reconfirmation Review	April 2019	Secretariat	
A02.1-Y-4 Cor. 1	Corrigendum 1 to CCSDS A02.1-Y-4, Issued April 2014	Secretariat	Released	February 2015	None			
A02.1-Y-4 Cor. 2	Corrigendum 1 to CCSDS A02.1-Y-4, Issued April 2014	Secretariat	Released	January 2016	Supersession	January 2021	Secretariat	
A20.0-Y-4	CCSDS Publications Manual	Secretariat	Released	March 2014	Reconfirmation Review	April 2019	Secretariat	
A20.0-Y-4 Cor. 1	Corrigendum 1 to CCSDS A20.0-Y-4, issued April 2014	Secretariat	Released	February 2015	None			
A20.1-Y-1	CCSDS Implementation Conformance Statements	Secretariat	Released	March 2014	Reconfirmation Review	April 2019	Secretariat	

SEA Documents

Number	Title	Owner	Current Status	Status Date	Presumptive Next Action	Action Date	Respon- sible Party		ISO
301.0-B-4	Time Code Formats	Time Code Working Group	Released	November 2010	Reconfirmation Review	November 2015	Working Group	IS 11104:2011	60.60: International Standard published.
311.0-M-1	Reference Architecture for Space Data Systems	Not currently assigned	Released	October 2008	Reconfirmation Review	April 2021	Working Group	IS 13537:2010	90.93: International Standard confirmed.
312.0-G-1	Reference Architecture for Space Information Management	Information Architecture Working Group	Released	March 2013	Reconfirmation Review	March 2018	Working Group		
313.0-Y-1	Space Assigned Numbers Authority (SANA)—Role, Responsibilities, Policies, and Procedures	Space Assigned Numbers Authority Working Group	Released	July 2011	Reconfirmation Review	July 2016	Working Group		
313.0-Y-2	Space Assigned Numbers Authority (SANA)—Role, Responsibilities, Policies, and Procedures	Space Assigned Numbers Authority Working Group	Released	May 2016	Reconfirmation Review	May 2021	Working Group		
313.1-Y-1	CCSDS SANA Registry Management Policy	Space Assigned Numbers Authority Working Group	Released	May 2016	Reconfirmation Review	May 2021	Working Group		
313.2-Y-1	Procedures for SANA Registry Specification	Space Assigned Numbers Authority Working Group	Released	May 2016	Reconfirmation Review	May 2021	Working Group		
320.0-B-6	CCSDS Global Spacecraft Identification Field Code Assignment Control Procedures	Secretariat	Released	October 2013	Reconfirmation Review	October 2018	Secretariat		
320.0-B-6 Cor. 1	Technical Corrigendum 1 to CCSDS 320.0-B-6, Issued October 2013	Secretariat	Released	December 2013	None				

SEA Documents (continued)

Number	Title	Owner	Current Status	Status Date	Presumptive Next Action	Action Date	Respon-sible Party		ISO
320.0-P-6.1	CCSDS Spacecraft Identification Field Code Assignment Control Procedures	Ad Hoc WG	In CESG Ballot	September 2016	CMC Ballot	October 2016	Secretariat		
350.0-G-2	The Application of CCSDS Protocols to Secure Systems	Security Working Group	Released	February 2006	Reconfirmation Review	January 2011	Working Group		
350.1-G-2	Security Threats against Space Missions	Security Working Group	Released	December 2015	Review Item Disposition	December 2020	Working Group		
350.4-G-1	CCSDS Guide for Secure System Interconnection	Security Working Group	Released	November 2007	Reconfirmation Review	November 2012	Working Group		
350.6-G-1	Space Missions Key Management Concept	Security Working Group	Released	November 2011	Reconfirmation Review	November 2016	Working Group		
350.7-G-1	Security Guide for Mission Planners	Security Working Group	Released	October 2011	Reconfirmation Review	October 2016	Working Group		
350.8-G-1	Information Security Glossary of Terms	Security Working Group	Released	November 2012	Reconfirmation Review	November 2017	Working Group		
350.9-G-1	CCSDS Cryptographic Algorithms	Security Working Group	Released	December 2014	Reconfirmation Review	December 2019	Working Group		
351.0-M-1	Security Architecture for Space Data Systems	Security Working Group	Released	November 2012	Reconfirmation Review	November 2017	Working Group	IS 20214:2015	60.60: International Standard published.
352.0-B-1	CCSDS Cryptographic Algorithms	Security Working Group	Released	November 2012	Reconfirmation Review	November 2017	Working Group	IS 20215:2015	60.60: International Standard published.
356.0-R-1	Network Layer Security Adaptation Profile	Security Working Group	In Agency Review	August 2016	Review Item Disposition	October 2016	Working Group		
500.1-G-1	Delta-DOR—Technical Characteristics and Performance	Delta Differential One Way Ranging (D-DOR) Working Group	Released	May 2013	Reconfirmation Review	May 2018	Working Group		

SEA Documents (continued)

Number	Title	Owner	Current Status	Status Date	Presumptive Next Action	Action Date	Respon-sible Party		ISO
506.0-M-1	Delta-Differential One Way Ranging (Delta-DOR) Operations	Delta Differential One Way Ranging (D-DOR) Working Group	Released	April 2011	Reconfirmation Review	April 2016	Working Group	IS 17809:2014	60.60: International Standard published.
506.0-P-1.1	Delta-Differential One Way Ranging (Delta-DOR) Operations	Delta Differential One Way Ranging (D-DOR) Working Group	Review Item Disposition	September 2016	Delivery to Secretariat		Working Group	17809	60.60: International Standard published.
506.1-B-1	Delta-DOR Raw Data Exchange Format	Delta Differential One Way Ranging (D-DOR) Working Group	Released	June 2013	Reconfirmation Review	June 2018	Working Group	IS 20208:2015	60.60: International Standard published.
506.3-R-1	Delta-DOR Quasar Catalogue Update Procedure	Delta Differential One Way Ranging (D-DOR) Working Group	Review Item Disposition	September 2016	Delivery to Secretariat		Working Group		

MOIMS Documents

Number	Title	Owner	Current Status	Status Date	Presumptive Next Action	Action Date	Respon-sible Party		ISO
500.0-G-3	Navigation Data—Definitions and Conventions	Navigation Working Group	Released	May 2010	Reconfirmation Review	May 2015	Working Group		
500.2-G-1	Navigation Data Messages Overview	Navigation Working Group	Released	December 2015	Reconfirmation Review	December 2020	Working Group		
502.0-B-2	Orbit Data Messages	Navigation Working Group	Released	November 2009	Reconfirmation Review	November 2014	Working Group	IS 26900:2012	60.60: International Standard published. (This is an SC 14 Work Item.)
502.0-B-2 Cor. 1	Technical Corrigendum 1 to CCSDS 502.0-B-2, Issued November 2009	Navigation Working Group	Released	June 2012	None			TBD	Submitted by CCSDS Editor to SC13 Secretariat, August 1, 2012
502.1-Y-1	Orbit Data Messages V2.0 Test Plan/Report	Navigation Working Group	Released	May 2010	Reconfirmation Review	May 2015	Working Group		
503.0-B-1	Tracking Data Message	Navigation Working Group	Released	November 2007	Reconfirmation Review	November 2012	Working Group	IS (CD) 13526:2010	90.93: International Standard confirmed.
503.0-B-1 Cor. 1	Technical Corrigendum 1 to CCSDS 503.0-B-1, Issued November 2007	Navigation Working Group	Released	September 2010	None			IS 13526:2010/Amd 1:2015	60.60: International Standard published.
504.0-B-1	Attitude Data Messages	Navigation Working Group	Released	May 2008	Reconfirmation Review	May 2013	Working Group	IS 13541:2010	90.93: International Standard confirmed.
504.0-B-1 Cor. 1	Corrigendum 1 to CCSDS 504.0-B-1, Issued May 2008	Navigation Working Group	In CMC Ballot	July 2015	Publication	July 2015	Secretariat	13541	60.60: International Standard published.
505.0-B-1	XML Specification for Navigation Data Messages	Navigation Working Group	Released	December 2010	Reconfirmation Review	December 2015	Working Group	IS 17107:2011	60.60: International Standard published.
508.0-B-1	Conjunction Data Message	Navigation Working Group	Released	June 2013	Reconfirmation Review	June 2018	Working Group	IS 19389:2014	60.60: International Standard published.
509.0-R-1	Pointing Request Message	Navigation Working Group	Review Item Disposition	March 2016	Delivery to Secretariat		Working Group		

MOIMS Documents (continued)

Number	Title	Owner	Current Status	Status Date	Presumptive Next Action	Action Date	Respon-sible Party		ISO
520.0-G-3	Mission Operations Services Concept	Spacecraft Monitoring and Control Working Group	Released	December 2010	Reconfirmation Review	December 2015	Working Group		
520.1-M-1	Mission Operations Reference Model	Spacecraft Monitoring and Control Working Group	Released	July 2010	Reconfirmation Review	July 2015	Working Group	IS 18201:2013	60.60: International Standard published.
521.0-B-2	Mission Operations Message Abstraction Layer	Spacecraft Monitoring and Control Working Group	Released	March 2013	Reconfirmation Review	March 2018	Working Group	IS 18202:2015	60.60: International Standard published.
521.1-B-1	Mission Operations Common Object Model	Spacecraft Monitoring and Control Working Group	Released	February 2014	Reconfirmation Review	February 2019	Working Group	IS 20106:2015	60.60: International Standard published.
522.1-B-0	Mission Operations Monitor & Control Services	Spacecraft Monitoring and Control Working Group	Delivered to Secretariat	September 2016	CESG Ballot		Working Group		
522.1-R-3	Mission Operations Monitor & Control Services	Spacecraft Monitoring and Control Working Group	Status Change Pending		None		Working Group		
523.1-M-1	Mission Operations Message Abstraction Layer—JAVA API	Spacecraft Monitoring and Control Working Group	Released	April 2013	Reconfirmation Review	April 2018	Working Group	IS 20210:2015	60.60: International Standard published.

MOIMS Documents (continued)

Number	Title	Owner	Current Status	Status Date	Presumptive Next Action	Action Date	Respon-sible Party		ISO
523.2-R-0	Mission Operations Message Abstraction Layer—C++ API	Spacecraft Monitoring and Control Working Group	Delivered to Secretariat	August 2016	CESG Ballot		Secretariat		
524.1-B-1	Mission Operations—MAL Space Packet Transport Binding and Binary Encoding	Spacecraft Monitoring and Control Working Group	Released	August 2015	Reconfirmation Review	August 2020	Working Group	IS 21082:2016	60.60: International Standard published.
524.2-R-1	Mission Operations—Message Abstraction Layer Binding to TCP/IP Transport and Split Binary Encoding	Spacecraft Monitoring and Control Working Group	In Agency Review	August 2016	Review Item Disposition	October 2016	Working Group		
540.0-G-0	Telerobotic Operations	Telerobotics Working Group	In CESG Ballot	September 2016	CMC Ballot	October 2016	Secretariat		
551.1-O-1	Correlated Data Generation	Spacecraft Monitoring and Control Working Group	Released	August 2015	Reconfirmation Review	July 2020	Working Group		
610.0-G-5	Space Data Systems Operations with Standard Formatted Data Units: System and Implementation Aspects	Data Archive Ingest Working Group	Released	February 1987	Reconfirmation Review	May 2018	Working Group		
620.0-B-2	Standard Formatted Data Units—Structure and Construction Rules	Data Archive Ingest Working Group	Released	May 1992	Reconfirmation Review	May 2018	Working Group	IS 12175:1994	90.93: International Standard confirmed.
620.0-B-2 Cor. 1	Technical Corrigendum 1 to CCSDS 620.0-B-2, Issued November 1992	Data Archive Ingest Working Group	Released	November 1996	None			IS 12175:1994/Amd 1:2015	60.60: International Standard published.
621.0-G-1	Standard Formatted Data Units — A Tutorial	Data Archive Ingest Working Group	Released	May 1992	Reconfirmation Review	May 2018	Working Group		

MOIMS Documents (continued)

Number	Title	Owner	Current Status	Status Date	Presumptive Next Action	Action Date	Respon-sible Party		ISO
622.0-B-1	Standard Formatted Data Units—Referencing Environment	Data Archive Ingest Working Group	Released	May 1997	Reconfirmation Review	May 2018	Working Group	IS 15888:2000	90.20: International Standard under periodical review.
630.0-B-1	Standard Formatted Data Units—Control Authority Procedures	Data Archive Ingest Working Group	Released	June 1993	Reconfirmation Review	May 2018	Working Group	IS 13764:1996	90.93: International Standard confirmed.
631.0-G-2	Standard Formatted Data Units — Control Authority Procedures Tutorial	Data Archive Ingest Working Group	Released	November 1994	Reconfirmation Review	May 2018	Working Group		
632.0-B-1	Standard Formatted Data Units — Control Authority Data Structures	Data Archive Ingest Working Group	Released	November 1994	Reconfirmation Review	May 2018	Working Group	IS 15395:1998	90.93: International Standard confirmed.
641.0-B-2	Parameter Value Language Specification (CCSD0006 and CCSD0008)	Data Archive Ingest Working Group	Released	June 2000	Reconfirmation Review	May 2018	Working Group	IS 14961:2002	90.93: International Standard confirmed.
641.0-G-2	Parameter Value Language — A Tutorial	Data Archive Ingest Working Group	Released	June 2000	Reconfirmation Review	May 2018	Working Group		
643.0-B-1	ASCII Encoded English (CCSD0002)	Data Archive Ingest Working Group	Released	November 1992	Reconfirmation Review	May 2018	Working Group	IS 14962:1997	90.93: International Standard confirmed.
644.0-B-3	The Data Description Language EAST Specification (CCSD0010)	Data Archive Ingest Working Group	Released	June 2010	Reconfirmation Review	June 2015	Working Group	IS 15889:2011	60.60: International Standard published.
645.0-G-1	The Data Description Language EAST—A Tutorial	Data Archive Ingest Working Group	Released	May 1997	Reconfirmation Review	May 2018	Working Group		
646.0-G-1	The Data Description Language EAST—List of Conventions	Data Archive Ingest Working Group	Released	May 1997	Reconfirmation Review	May 2018	Working Group		
647.1-B-1	Data Entity Dictionary Specification Language (DEDSL)—Abstract Syntax (CCSD0011)	Data Archive Ingest Working Group	Released	June 2001	Reconfirmation Review	May 2018	Working Group	IS 21961:2003	90.93: International Standard confirmed.

MOIMS Documents (continued)

Number	Title	Owner	Current Status	Status Date	Presumptive Next Action	Action Date	Respon-sible Party		ISO
647.2-B-1	Data Entity Dictionary Specification Language (DEDSL)—PVL Syntax (CCSD0012)	Data Archive Ingest Working Group	Released	June 2001	Reconfirmation Review	May 2018	Working Group	IS 21962:2003	90.93: International Standard confirmed.
647.3-B-1	Data Entity Dictionary Specification Language (DEDSL)—XML/DTD Syntax (CCSD0013)	Data Archive Ingest Working Group	Released	January 2002	Reconfirmation Review	May 2018	Working Group	IS 22643:2003	90.93: International Standard confirmed.
650.0-M-2	Reference Model for an Open Archival Information System (OAIS)	Data Archive Ingest Working Group	Released	June 2012	Reconfirmation Review	June 2017	Working Group	IS 14721:2012	60.60: International Standard published.
651.0-M-1	Producer-Archive Interface Methodology Abstract Standard	Data Archive Ingest Working Group	Released	June 2010	Reconfirmation Review	June 2015	Working Group	IS 20652:2006	90.93: International Standard confirmed.
651.1-B-1	Producer-Archive Interface Specification (PAIS)	Data Archive Ingest Working Group	Released	February 2014	Reconfirmation Review	February 2019	Working Group	IS 20104:2015	60.60: International Standard published.
651.2-G-1	Producer-Archive Interface Specification (PAIS)—A Tutorial	Data Archive Ingest Working Group	Released	September 2016	Reconfirmation Review	September 2021	Working Group		
652.0-M-1	Audit and Certification of Trustworthy Digital Repositories	Digital Repository Audit and Certification Working Group	Released	September 2011	Reconfirmation Review	September 2016	Working Group	IS 16363:2012	60.60: International Standard published.
652.1-M-2	Requirements for Bodies Providing Audit and Certification of Candidate Trustworthy Digital Repositories	Digital Repository Audit and Certification Working Group	Released	March 2014	Reconfirmation Review	March 2019	Working Group	IS 16919	60.60: International Standard published.
660.0-B-1	XML Telemetric and Command Exchange (XTCE)	Spacecraft Monitoring and Control Working Group	Released	November 2007	Reconfirmation Review	October 2012	Working Group	IS 18424:2013	60.60: International Standard published.

MOIMS Documents (continued)

Number	Title	Owner	Current Status	Status Date	Presumptive Next Action	Action Date	Respon-sible Party		ISO
660.0-G-1	XML Telemetric and Command Exchange (XTCE)	Spacecraft Monitoring and Control Working Group	Released	July 2006	Reconfirmation Review	July 2011	Working Group		
660.1-G-1	XML Telemetric and Command Exchange (XTCE)—Element Description	Spacecraft Monitoring and Control Working Group	Released	June 2012	Reconfirmation Review	May 2017	Working Group		
661.0-B-1	XML Formatted Data Unit (XFDU) Structure and Construction Rules	Data Archive Ingest Working Group	Released	September 2008	Reconfirmation Review	September 2013	Working Group	IS 13527:2010	90.93: International Standard confirmed.

CSS Documents

Number	Title	Owner	Current Status	Status Date	Presumptive Next Action	Action Date	Respon-sible Party		ISO
901.0-G-1	Space Communications Cross Support—Architecture Description Document	Cross Support Space Communications Architecture Working Group (CSS-CSA)	Released	November 2013	Reconfirmation Review	November 2018	Working Group		
901.1-M-1	Space Communications Cross Support—Architecture Requirements Document	Cross Support Space Communications Architecture Working Group (CSS-CSA)	Released	May 2015	Reconfirmation Review	May 2020	Working Group	IS 21076:2016	60.60: International Standard published.
902.0-G-1	Extensible Space Communication Cross Support—Service Management—Concept	Cross Support Service Management Working Group	Released	September 2014	Reconfirmation Review	September 2019	Working Group		
902.1-R-1	Simple Schedule Format Specification	Cross Support Service Management Working Group	Status Change Pending		None				
910.0-G-2	Space Link Extension Services—Executive Summary	Cross Support Concept and Reference Model Working Group	Released	March 2006	Reconfirmation Review	March 2011	Working Group		
910.11-B-1	Space Communication Cross Support—Service Management—Service Specification	Cross Support Service Management Working Group	Released	August 2009	Reconfirmation Review	August 2014	Working Group	IS 18439:2013	60.60: International Standard published.

CSS Documents (continued)

Number	Title	Owner	Current Status	Status Date	Presumptive Next Action	Action Date	Respon-sible Party		ISO
910.14-G-1	Space Communication Cross Support—Service Management—Operations Concept	Cross Support Service Management Working Group	Released	May 2011	Reconfirmation Review	May 2016	Working Group		
910.2-G-1	Standard Terminology, Conventions, and Methodology (TCM) for Defining Data Services	Not currently assigned	Released	November 1994	Reconfirmation Review	November 1999	Working Group		
910.3-G-3	Cross Support Concept—Part 1: Space Link Extension Services	Cross Support Concept and Reference Model Working Group	Released	March 2006	Reconfirmation Review	March 2011	Working Group		
910.4-B-2	Cross Support Reference Model—Part 1: Space Link Extension Services	Cross Support Concept and Reference Model Working Group	Released	October 2005	Reconfirmation Review	October 2010	Working Group	IS 15396:2007	90.93: International Standard confirmed.
911.1-B-4	Space Link Extension—Return All Frames Service Specification	Cross Support Transfer Services Working Group	Released	August 2016	Reconfirmation Review	August 2021	Working Group	22669	60.60: International Standard published.
911.2-B-3	Space Link Extension—Return Channel Frames Service Specification	Cross Support Transfer Services Working Group	Released	August 2016	Reconfirmation Review	August 2021	Working Group	22670	60.60: International Standard published.
911.5-B-3	Space Link Extension—Return Operational Control Fields Service Specification	Cross Support Transfer Services Working Group	Released	August 2016	Reconfirmation Review	August 2021	Working Group	26143	60.60: International Standard published.
912.1-B-4	Space Link Extension—Forward CLTU Service Specification	Cross Support Transfer Services Working Group	Released	August 2016	Reconfirmation Review	August 2021	Working Group	22671	60.60: International Standard published.

CSS Documents (continued)

Number	Title	Owner	Current Status	Status Date	Presumptive Next Action	Action Date	Respon-sible Party		ISO
912.11-O-1	Space Link Extension—Enhanced Forward CLTU Service Specification	SLE Data Transfer Services Working Group	Released	July 2012	Reconfirmation Review	July 2017	Working Group		
912.3-B-3	Space Link Extension—Forward Space Packet Service Specification	Cross Support Transfer Services Working Group	Released	August 2016	Reconfirmation Review	August 2021	Working Group	22672	60.60: International Standard published.
913.1-B-2	Space Link Extension—Internet Protocol for Transfer Services	Cross Support Transfer Services Working Group	Released	October 2015	Reconfirmation Review	September 2020	Working Group	18440	60.00: International Standard under publication.
914.0-M-2	Space Link Extension—Application Program Interface for Transfer Services—Core Specification	Cross Support Transfer Services Working Group	Released	October 2015	Reconfirmation Review	September 2020	Working Group	18441	60.00: International Standard under publication.
914.0-M-2 Cor. 1	Corrigendum 1 to 914.0-M-2, issued September 2015	Cross Support Transfer Services Working Group	Released	August 2016	None				
914.1-G-1	Space Link Extension—Application Program Interface for Transfer Services—Summary of Concept and Rationale	Cross Support Transfer Services Working Group	Released	March 2006	Reconfirmation Review	January 2011	Working Group		
914.2-G-2	Space Link Extension—Application Program Interface for Transfer Services—Application Programmer's Guide	Cross Support Transfer Services Working Group	Released	October 2008	Reconfirmation Review	October 2013	Working Group		
915.1-M-2	Space Link Extension—Application Program Interface for Return All Frames Service	Cross Support Transfer Services Working Group	Released	October 2015	Reconfirmation Review	September 2020	Working Group	18442	60.00: International Standard under publication.

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Number	**Title**	**Owner**	**Current Status**	**Status Date**	**Presumptive Next Action**	**Action Date**	**Respon-sible Party**		**ISO**
915.2-M-2	Space Link Extension—Application Program Interface for Return Channel Frames Service	Cross Support Transfer Services Working Group	Released	October 2015	Reconfirmation Review	September 2020	Working Group	18443	60.00: International Standard under publication.
915.5-M-2	Space Link Extension—Application Program Interface for Return Operational Control Fields Service	Cross Support Transfer Services Working Group	Released	October 2015	Reconfirmation Review	September 2020	Working Group	18444	60.00: International Standard under publication.
916.1-M-2	Space Link Extension—Application Program Interface for the Forward CLTU Service	Cross Support Transfer Services Working Group	Released	October 2015	Reconfirmation Review	September 2020	Working Group	18445	60.00: International Standard under publication.
916.3-M-2	Space Link Extension—Application Program Interface for the Forward Space Packet Service	Cross Support Transfer Services Working Group	Released	October 2015	Reconfirmation Review	September 2020	Working Group	18446	60.00: International Standard under publication.
920.0-G-0	Cross Support Transfer Service Specification Framework Concept	Cross Support Transfer Services Working Group	Working Group Internal	?	To Be Determined		Secretariat		
921.1-B-0	Cross Support Transfer Service—Specification Framework	Cross Support Transfer Services Working Group	Delivered to Secretariat	September 2016	CESG Ballot		Secretariat		
921.1-R-2	Cross Support Transfer Service—Specification Framework	Cross Support Transfer Services Working Group	Status Change Pending		None				
922.1-R-1	Cross Support Transfer Services—Monitored Data Service	Cross Support Transfer Services Working Group	Review Item Disposition	October 2014	Delivery to Secretariat		Working Group		
A31.0-G-1	Unique Identification of CCSDS Objects and Services	Not currently assigned	Released	June 2000	Reconfirmation Review	June 2005	Working Group		

SOIS Documents

Number	Title	Owner	Current Status	Status Date	Presumptive Next Action	Action Date	Respon-sible Party		ISO
850.0-G-2	Spacecraft Onboard Interface Services	Application Support Services Working Group	Released	December 2013	Reconfirmation Review	December 2018	Working Group		
851.0-M-1	Spacecraft Onboard Interface Services—Subnetwork Packet Service	Subnetwork Services Working Group	Released	December 2009	Reconfirmation Review	December 2014	Working Group	IS 18425:2013	60.60: International Standard published.
852.0-M-1	Spacecraft Onboard Interface Services—Subnetwork Memory Access Service	Subnetwork Services Working Group	Released	December 2009	Reconfirmation Review	December 2014	Working Group	IS 18426:2013	60.60: International Standard published.
853.0-M-1	Spacecraft Onboard Interface Services—Subnetwork Synchronisation Service	Subnetwork Services Working Group	Released	December 2009	Reconfirmation Review	December 2014	Working Group	IS 18427:2013	60.60: International Standard published.
854.0-M-1	Spacecraft Onboard Interface Services—Subnetwork Device Discovery Service	Subnetwork Services Working Group	Released	December 2009	Reconfirmation Review	December 2014	Working Group	IS 18428:2013	60.60: International Standard published.
855.0-M-1	Spacecraft Onboard Interface Services—Subnetwork Test Service	Subnetwork Services Working Group	Released	December 2009	Reconfirmation Review	December 2014	Working Group	IS 18438:2013	60.60: International Standard published.
871.0-M-1	Spacecraft Onboard Interface Services—Device Access Service	Application Support Services Working Group	Released	March 2013	Reconfirmation Review	March 2018	Working Group	IS 20211:2015	60.60: International Standard published.
871.1-M-1	Spacecraft Onboard Interface Services—Device Data Pooling Service	Application Support Services Working Group	Released	November 2012	Reconfirmation Review	November 2017	Working Group	IS 20216:2015	60.60: International Standard published.
871.2-M-1	Spacecraft Onboard Interface Services—Device Virtualization Service	Application Support Services Working Group	Released	March 2014	Reconfirmation Review	March 2019	Working Group	IS 20107:2015	60.60: International Standard published.

SOIS Documents (continued)									
Number	Title	Owner	Current Status	Status Date	Presumptive Next Action	Action Date	Respon-sible Party		ISO
871.3-M-1	Spacecraft Onboard Interface Services—Device Enumeration Service	Application Support Services Working Group	Released	October 2014	Reconfirmation Review	October 2019	Working Group	IS 20618:2015	60.60: International Standard published.
872.0-M-1	Spacecraft Onboard Interface Services—Time Access Service	Application Support Services Working Group	Released	February 2011	Reconfirmation Review	January 2016	Working Group	IS 17214:2011	60.60: International Standard published.
873.0-M-1	Spacecraft Onboard Interface Services—File and Packet Store Services	Application Support Services Working Group	Released	September 2012	Reconfirmation Review	September 2017	Working Group	IS 20217:2015	60.60: International Standard published.
875.0-M-1	Spacecraft Onboard Interface Services—Message Transfer Service	Application Support Services Working Group	Released	November 2012	Reconfirmation Review	November 2017	Working Group	IS 20213:2015	60.60: International Standard published.
876.0-R-2	Spacecraft Onboard Interface Services—XML Specification for Electronic Data Sheets	Application Support Services Working Group	Review Item Disposition	August 2016	Delivery to Secretariat		Working Group		
876.1-R-2	Spacecraft Onboard Interface Services—Specification for Dictionary of Terms for Electronic Data Sheets	Application Support Services Working Group	Review Item Disposition	August 2016	Delivery to Secretariat		Working Group		
880.0-G-2	Wireless Network Communications Overview for Space Mission Operations	Onboard Wireless Working Group	Released	September 2014	Reconfirmation Review	April 2020	Working Group		
880.0-G-2.1	Wireless Network Communications Overview for Space Mission Operations	Onboard Wireless Working Group	Delivered to Secretariat	September 2014	CESG Ballot		Secretariat		
881.0-M-1	Spacecraft Onboard Interface Services—RFID-Based Inventory Management Systems	Onboard Wireless Working Group	Released	May 2012	Reconfirmation Review	May 2017	Working Group	IS 18382:2013	60.60: International Standard published.

					SOIS Documents (continued)				
Number	**Title**	**Owner**	**Current Status**	**Status Date**	**Presumptive Next Action**	**Action Date**	**Respon-sible Party**		**ISO**
881.1-R-1	Spacecraft Onboard Interface Services—RFID Tag Encoding Specification	Onboard Wireless Working Group	Review Item Disposition	August 2015	Delivery to Secretariat		Working Group		
882.0-M-1	Spacecraft Onboard Interface Systems—Low Data-Rate Wireless Communications for Spacecraft Monitoring and Control	Onboard Wireless Working Group	Released	May 2013	Reconfirmation Review	May 2018	Working Group	IS 20205:2015	60.60: International Standard published.

SLS Documents

Number	Title	Owner	Current Status	Status Date	Presumptive Next Action	Action Date	Respon-sible Party		ISO
120.0-G-3	Lossless Data Compression	Multispectral and Hyperspectral Data Compression Working Group	Released	April 2013	Reconfirmation Review	April 2018	Working Group		
120.1-G-2	Image Data Compression	Data Compression Working Group	Released	February 2015	Reconfirmation Review	February 2020	Working Group		
120.2-G-1	Lossless Multispectral and Hyperspectral Image Compression	Multispectral and Hyperspectral Data Compression Working Group	Released	December 2015	Reconfirmation Review	December 2020	Working Group		
121.0-B-2	Lossless Data Compression	Multispectral and Hyperspectral Data Compression Working Group	Released	May 2012	Reconfirmation Review	May 2017	Working Group	IS 15887:2013	60.60: International Standard published.
122.0-B-1	Image Data Compression	Data Compression Working Group	Released	March 2006	Reconfirmation Review	November 2010	Working Group	IS 26868:2009	90.93: International Standard confirmed. Cor.1 = Jul. '06; Cor.2 = Jul. '08; no Cor. 1 or 2 in ISO; current CCSDS version has Corrigenda 1 and 2 incorporated.
122.0-B-1 Cor. 1	Technical Corrigendum 1 to CCSDS 122.0-B-1, Issued November 2005	Data Compression Working Group	Released	July 2006	None				
122.0-B-1 Cor. 2	Technical Corrigendum 2 to CCSDS 122.0-B-1, Issued November 2005	Multispectral and Hyperspectral Data Compression Working Group	Released	June 2008	None				
122.0-B-1 Cor. 3	Technical Corrigendum 3 to CCSDS 122.0-B-1, Issued November 2005	Data Compression Working Group	Released	September 2011	None			CD/Cor.1 26868:2009	30.98 Project deleted.

SLS Documents (continued)

Number	Title	Owner	Current Status	Status Date	Presumptive Next Action	Action Date	Respon-sible Party		ISO
122.0-P-1.1	Image Data Compression	Multispectral and Hyperspectral Data Compression Working Group	Review Item Disposition	September 2016	Delivery to Secretariat		Working Group	26868	90.93: International Standard confirmed. Cor.1 = Jul. '06; Cor.2 = Jul. '08; no Cor. 1 or 2 in ISO; current CCSDS version has Corrigenda 1 and 2 incorporated.
122.1-R-0	Spectral Pre-Processing Transform for Multispectral and Hyperspectral Image Compression	Multispectral and Hyperspectral Data Compression Working Group	Delivered to Secretariat	May 2016	CESG Ballot		Secretariat		
123.0-B-1	Lossless Multispectral & Hyperspectral Image Compression	Multispectral and Hyperspectral Data Compression Working Group	Released	May 2012	Reconfirmation Review	May 2017	Working Group	IS 18381:2013	60.60: International Standard published.
130.0-G-3	Overview of Space Communications Protocols	Space Link Protocols Working Group	Released	July 2014	Reconfirmation Review	July 2019	Working Group		
130.1-G-2	TM Synchronization and Channel Coding—Summary of Concept and Rationale	Space Link Coding and Synchronization Working Group	Released	November 2012	Reconfirmation Review	November 2017	Working Group		
130.12-G-0	CCSDS Protocols over DVB-S2—Summary of Definition, Implementation, and Performance	Space Link Coding and Synchronization Working Group	Completed CESG Ballot		CMC Ballot		Secretariat		
130.2-G-3	Space Data Link Protocols—Summary of Concept and Rationale	Space Link Protocols Working Group	Released	October 2015	Reconfirmation Review	September 2020	Working Group		
131.0-B-2	TM Synchronization and Channel Coding	Space Link Coding and Synchronization Working Group	Released	August 2011	Reconfirmation Review	August 2016	Working Group	IS 22641:2012	60.60: International Standard published.

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Number	Title	Owner	Current Status	Status Date	Presumptive Next Action	Action Date	Respon-sible Party		ISO
131.0-P-2.1	TM Synchronization and Channel Coding	Space Link Coding and Synchronization Working Group	In Agency Review	September 2016	Review Item Disposition	December 2016	Working Group	22641	60.60: International Standard published.
131.2-B-1	Flexible Advanced Coding and Modulation Scheme for High Rate Telemetry Applications	Space Link Coding and Synchronization Working Group	Released	March 2012	Reconfirmation Review	March 2017	Working Group	IS 17854:2013	60.60: International Standard published.
131.3-B-1	CCSDS Space Link Protocols over ETSI DVB-S2 Standard	Space Link Coding and Synchronization Working Group	Released	March 2013	Reconfirmation Review	March 2018	Working Group	IS 20207:2015	60.60: International Standard published.
131.4-M-1	TM Channel Coding Profiles	Space Link Coding and Synchronization Working Group	Released	July 2011	Reconfirmation Review	July 2016	Working Group	IS 17808:2014	60.60: International Standard published.
131.5-O-1	Erasure Correcting Codes for Use in Near-Earth and Deep-Space Communications	Space Link Coding and Synchronization Working Group	Released	November 2014	Reconfirmation Review	November 2019	Working Group		
132.0-B-2	TM Space Data Link Protocol	Space Link Protocols Working Group	Released	September 2015	Reconfirmation Review	September 2020	Working Group	22645	60.00: International Standard under publication.
133.0-B-1	Space Packet Protocol	Not currently assigned	Released	September 2003	Reconfirmation Review	September 2008	Working Group	IS 22646:2005	90.93: International Standard confirmed.
133.0-B-1 Cor. 1	Technical Corrigendum 1 to CCSDS 133.0-B-1, Issued September 2003	Space Link Protocols Working Group	Released	September 2010	None			(22646)	
133.0-B-1 Cor. 2	Technical Corrigendum 2 to CCSDS 133.0-B-1, Issued September 2003	Space Link Protocols Working Group	Released	September 2012	None			IS 22646:2005/Amd 1:2015	60.60: International Standard published. [Unknown if 22646:2005/Amd 1 is Corrigendum 1 or 2, or both.]

SLS Documents (continued)

Number	Title	Owner	Current Status	Status Date	Presumptive Next Action	Action Date	Respon-sible Party		ISO
133.1-B-2	Encapsulation Service	Space Link Protocols Working Group	Released	December 2009	Reconfirmation Review	October 2014	Working Group	10537	60.00: International Standard under publication.
133.1-B-2 Cor. 1	Technical Corrigendum 1 to CCSDS 133.1-B-2, Issued October 2009	Space Link Protocols Working Group	Released	September 2012	None			10537	Unknown
133.1-B-2 Cor. 2	Technical Corrigendum 2 to CCSDS 133.1-B-2, Issued October 2009	Space Link Protocols Working Group	Released	March 2014	None			IS 10537:2010/Amd 1:2015	60.60: International Standard published.
140.1-G-0	Real-Time Weather and Atmospheric Characterization Data	Optical Communications Working Group	Delivered to Secretariat	April 2016	CESG Ballot		Secretariat		
200.0-G-6	Telecommand Summary of Concept and Rationale	Space Link Protocols Working Group	Released	January 1987	Reconfirmation Review	January 1992	Working Group		
210.0-G-2	Proximity-1 Space Link Protocol—Rationale, Architecture, and Scenarios	Space Link Protocols Working Group	Released	December 2013	Reconfirmation Review	December 2018	Working Group		
211.0-B-5	Proximity-1 Space Link Protocol—Data Link Layer	Space Link Protocols Working Group	Released	December 2013	Reconfirmation Review	December 2018	Working Group	IS 22663:2015	60.60: International Standard published.
211.1-B-4	Proximity-1 Space Link Protocol—Physical Layer	RF and Modulation Working Group	Released	December 2013	Reconfirmation Review	December 2018	Working Group	IS 21460:2015	60.60: International Standard published.
211.2-B-2	Proximity-1 Space Link Protocol—Coding and Synchronization Sublayer	Space Link Coding and Synchronization Working Group	Released	December 2013	Reconfirmation Review	December 2018	Working Group	IS 21459:2015	60.60: International Standard published.
230.1-G-2	TC Synchronization and Channel Coding—Summary of Concept and Rationale	Telecommand Channel Coding Working Group	Released	November 2012	Reconfirmation Review	November 2017	Working Group		

SLS Documents (continued)

Number	Title	Owner	Current Status	Status Date	Presumptive Next Action	Action Date	Respon-sible Party		ISO
230.2-G-1	Next Generation Uplink	Next Generation Uplink Working Group	Released	July 2014	Reconfirmation Review	July 2019	Working Group		
231.0-B-1 Cor. 1	Technical Corrigendum 1 to CCSDS 231.0-B-1, Issued September 2003	Space Link Coding and Synchronization Working Group	Released	June 2006	None				60.60: International Standard published. Superseded by issue 2.
231.0-B-2	TC Synchronization and Channel Coding	Space Link Coding and Synchronization Working Group	Released	September 2010	Reconfirmation Review	September 2015	Working Group	IS 22642:2015	60.60: International Standard published.
231.0-B-2 Cor. 1	Technical Corrigendum 1 to CCSDS 231.0-B-2, Issued September 2010	Space Link Coding and Synchronization Working Group	Released	April 2013	None				10.99: New project approved.
231.0-P-2.1	TC Synchronization and Channel Coding	Space Link Coding and Synchronization Working Group	Review Item Disposition	September 2016	Delivery to Secretariat		Working Group	22642	60.60: International Standard published.
231.1-O-1	Short Block Length LDPC Codes for TC Synchronization and Channel Coding	Space Link Coding and Synchronization Working Group	Released	April 2015	Reconfirmation Review	April 2020	Working Group		
232.0-B-3	TC Space Data Link Protocol	Space Link Protocols Working Group	Released	September 2015	Reconfirmation Review	September 2020	Working Group	22664	60.00: International Standard under publication.
232.1-B-2	Communications Operation Procedure-1	Space Link Protocols Working Group	Released	September 2010	Reconfirmation Review	April 2021	Working Group	IS 22667:2013	60.60: International Standard published.
355.0-B-1	Space Data Link Security Protocol	Space Data Link Layer Security	Released	September 2015	Reconfirmation Review	September 2020	Working Group	DIS 21324	60.00: International Standard under publication.
401.0-B-25	Radio Frequency and Modulation Systems—Part 1: Earth Stations and Spacecraft	RF and Modulation Working Group	Released	February 2015	Reconfirmation Review	February 2020	Working Group		

SLS Documents (continued)

Number	Title	Owner	Current Status	Status Date	Presumptive Next Action	Action Date	Respon-sible Party		ISO
401.0-B-25.2	Radio Frequency and Modulation Systems—Part 1: Earth Stations and Spacecraft	RF and Modulation Working Group	In CMC Ballot	September 2016	Publication	October 2016	Secretariat		
401.0-P-25.1	Radio Frequency and Modulation Systems—Part 1: Earth Stations and Spacecraft	RF and Modulation Working Group	Status Change Pending		None				
413.0-G-2	Bandwidth-Efficient Modulations: Summary of Definition, Implementation, and Performance	RF and Modulation Working Group	Released	October 2009	Reconfirmation Review	October 2014	Working Group		
413.1-G-0	Simultaneous Transmission of GMSK Telemetry and PN Ranging	Ranging Working Group	Delivered to Secretariat	June 2016	CESG Ballot		Secretariat		
414.0-G-2	Pseudo-Noise (PN) Ranging Systems	RF and Modulation Working Group	Released	February 2014	Reconfirmation Review	February 2019	Working Group		
414.1-B-2	Pseudo-Noise (PN) Ranging Systems	RF and Modulation Working Group	Released	February 2014	Reconfirmation Review	February 2019	Working Group	IS 18423:2015	60.60: International Standard published.
415.0-G-1	Data Transmission and PN Ranging for 2 GHz CDMA Link via Data Relay Satellite	RF and Modulation Working Group	Released	April 2013	Reconfirmation Review	April 2018	Working Group		
415.1-B-1	Data Transmission and PN Ranging for 2 GHz CDMA Link via Data Relay Satellite	RF and Modulation Working Group	Released	September 2011	Reconfirmation Review	September 2016	Working Group	IS 17810:2014	60.60: International Standard published.
421.0-G-1	Report of the Proceedings of the RF and Modulation Subpanel Meeting at the Ames Research Center, April 11-20	RF and Modulation Working Group	Released	September 1989	None				

SLS Documents (continued)

Number	Title	Owner	Current Status	Status Date	Presumptive Next Action	Action Date	Respon-sible Party		ISO
700.0-G-3	Advanced Orbiting Systems, Networks and Data Links: Summary of Concept, Rationale and Performance	Space Link Protocols Working Group	Released	November 1992	Reconfirmation Review	November 1997	Working Group		
732.0-B-3	AOS Space Data Link Protocol	Space Link Protocols Working Group	Released	October 2015	Reconfirmation Review	September 2020	Working Group	22666	60.00: International Standard under publication.
732.1-R-1	Unified Space Link Protocol	Space Link Protocols Working Group	In Agency Review	August 2016	Review Item Disposition	October 2016	Working Group		
B20.0-Y-1	Proceedings of the CCSDS RF and Modulation Subpanel 1E Meeting at the German Space Operations Centre September 20-24, 1993	RF and Modulation Working Group	Released	October 1993	Reconfirmation Review	October 1998	Working Group		
B20.0-Y-2	Proceedings of the CCSDS RF and Modulation Subpanel 1E on Bandwidth-Efficient Modulations	RF and Modulation Working Group	Released	June 2001	Reconfirmation Review	June 2006	Working Group		

SIS Documents

Number	Title	Owner	Current Status	Status Date	Presumptive Next Action	Action Date	Respon-sible Party		ISO
702.1-B-1	IP over CCSDS Space Links	IP over CCSDS Space Links Working Group	Released	September 2012	Reconfirmation Review	September 2017	Working Group	IS 20206:2015	60.60: International Standard published.
702.1-B-1 Cor. 1	Technical Corrigendum 1 to CCSDS 702.1-B-1, issued September 2012	IP over CCSDS Space Links Working Group	Released	March 2014	None			TBD	Submitted by CCSDS editor to SC13 Secretariat, 5/21/2014.
706.1-G-2	Motion Imagery and Applications	Motion Imagery and Applications Working Group	Released	June 2015	Reconfirmation Review	May 2020	Working Group		
706.2-G-1	Voice Communications	Voice Working Group	Released	September 2010	Reconfirmation Review	September 2015	Working Group		
714.0-B-2	Space Communications Protocol Specification (SCPS)—Transport Protocol (SCPS-TP)	Cislunar Space Internetworking Working Group	Released	October 2006	Reconfirmation Review	April 2021	Working Group	IS 15893:2010	90.93: International Standard confirmed.
720.1-G-3	CCSDS File Delivery Protocol (CFDP)—Part 1: Introduction and Overview	Unacknowledged CFDP Extensions Working Group	Released	April 2007	Reconfirmation Review	April 2012	Working Group		
720.2-G-3	CCSDS File Delivery Protocol (CFDP)—Part 2: Implementers Guide	Unacknowledged CFDP Extensions Working Group	Released	April 2007	Reconfirmation Review	April 2012	Working Group		
720.3-G-1	CCSDS File Delivery Protocol (CFDP)—Part 3: Interoperability Testing Final Report	CFDP Interoperability Testing Working Group	Released	September 2007	Reconfirmation Review	September 2012	Working Group		
720.4-Y-1	CCSDS File Delivery Protocol (CFDP)—Notebook of Common Inter-Agency Tests for Core Procedures	CFDP Interoperability Testing Working Group	Released	September 2007	Reconfirmation Review	September 2012	Working Group		

SIS Documents (continued)

Number	Title	Owner	Current Status	Status Date	Presumptive Next Action	Action Date	Respon-sible Party		ISO
720.5-Y-1	CCSDS File Delivery Protocol (CFDP)—Notebook of Common Inter-Agency Tests for Extended Procedures	CFDP Interoperability Testing Working Group	Released	September 2007	Reconfirmation Review	September 2012	Working Group		
720.6-Y-1	CCSDS File Delivery Protocol (CFDP)—Notebook of Common Inter-Agency Tests for Store and Forward Overlay (SFO)	CFDP Interoperability Testing Working Group	Released	September 2007	Reconfirmation Review	September 2012	Working Group		
722.1-M-1	Operation of CFDP over Encapsulation Service	CFDP over Encapsulation Service Working Group	Released	March 2014	Reconfirmation Review	March 2019	Working Group	IS 20105:2015	60.60: International Standard published.
727.0-B-4	CCSDS File Delivery Protocol (CFDP)	CFDP Interoperability Testing Working Group	Released	January 2007	Reconfirmation Review	January 2012	Working Group	IS 17355:2007	90.92: International Standard to be revised.
727.0-P-4.1	CCSDS File Delivery Protocol (CFDP)	CFDP Revisions Working Group	Status Change Pending		None			17355	30.99: CD approved for registration as DIS.
730.1-G-1	Solar System Internetwork (SSI) Architecture	Delay Tolerant Networking Working Group	Released	July 2014	Reconfirmation Review	July 2019	Working Group		
734.0-G-1	Rationale, Scenarios, and Requirements for DTN in Space	Delay Tolerant Networking Working Group	Released	August 2010	Reconfirmation Review	August 2015	Working Group		
734.1-B-1	Licklider Transmission Protocol (LTP) for CCSDS	Delay Tolerant Networking Working Group	Released	May 2015	Reconfirmation Review	May 2020	Working Group	IS 21080:2016	60.60: International Standard published.
734.2-B-1	CCSDS Bundle Protocol Specification	Delay Tolerant Networking Working Group	Released	October 2015	Reconfirmation Review	September 2020	Working Group	DIS 21323	60.00: International Standard under publication.

SIS Documents (continued)

Number	Title	Owner	Current Status	Status Date	Presumptive Next Action	Action Date	Respon-sible Party		ISO
735.0-G-1	Asynchronous Message Service	Asynchronous Message Service Working Group	Released	December 2012	Reconfirmation Review	December 2017	Working Group		
735.1-B-1	Asynchronous Message Service	Asynchronous Message Service Working Group	Released	September 2011	Reconfirmation Review	September 2014	Working Group	IS 17807:2013	60.60: International Standard published.
740.0-G-1	Mars Mission Protocol Profiles—Purpose and Rationale	Mars 2015 Interoperability Working Group	Released	July 2008	Reconfirmation Review	July 2013	Working Group		
766.1-B-2	Digital Motion Imagery	Motion Imagery and Applications Working Group	Released	August 2016	Reconfirmation Review	August 2021	Working Group	21077	
766.2-R-1	Voice and Audio Communications	Voice Working Group	In CMC Ballot	September 2016	Agency Review	October 2016	Secretariat		