

Developer	Designation / Title of Standard, Specification, Other Publication, or Program	Publication Date	Publication Status	Category Topic
AAS SATCON1 Scientific Organizing Committee	Impact of Satellite Constellations on Optical Astronomy and Recommendations Towards Mitigations	2020	Published	Risk Management
Aerospace Corporation	Launch U Standard SSC18-IX-07	2018	Published	Launch for Small Sats
AIA	NAS412, Foreign Object Damage (FOD) Prevention Guidance Document Rev 2	2023	Published	Risk Management
AIA	NAS9933 Critical Security Controls for Effective Capability in Cyber Defense	2018	Published	Risk Management
AIAA	AIAA Special Report: MEO/LEO Constellations: U.S. Laws, Policies, and Regulations on Orbital Debris Mitigation (SP-016-2-1999e)	1999	Published	Debris Mitigation
AIAA	AIAA SP 069, SPECIAL REPORT - CONTEMPORARY MODELS OF THE ORBITAL ENVIRONMENT	1994	Published	Debris Mitigation
AIAA	AIAA Special Report: Orbital Debris Mitigation: Technical, Legal, and Economic Aspects (AIAA SP-016-1992)	1992	Out of Print	Debris Mitigation
ASE	Association of Space Explorers - various position papers on rules of conduct for STM and orbital debris	2021	Published	Debris Mitigation
ASTM F47.01, Occupant Safety	F3568-23 Standard Guide for Medical Qualifications for Suborbital Vehicle Passengers	2023	Published	Risk Management
ASTM F47.01, Occupant Safety	F3658-23 Standard Guide for Crewed Suborbital Space Vehicle Design	2023	Published	Risk Management
ASTM F47.01, Occupant Safety	F3668/F3668M-23 Standard Guide for Occupant Survivability in Orbital Vehicles	2023	Published	Human space safety
ASTM F47.01, Occupant Safety	F3479-20 Standard Specification for Failure Tolerance for Occupant Safety of Suborbital Vehicles	2020	Published	Risk Management
ASTM F47.03, Unoccupied Launch and Reentry Vehicles	WK61254 Spacecraft vehicle types	not available	(New) In Development	Risk Management
ASTM F47.03, Unoccupied Launch and Reentry Vehicles	ASTM F3388-23 Standard Classification for Space Launch and Reentry Vehicles	2023	Published	Risk Management
ASTM F47.03, Unoccupied Launch and Reentry Vehicles	ASTM F3520-21 Standard Guide for Training and Qualification of Safety-Critical Space Operations Personnel	2021	Published	Human space safety
ASTM F47.04, Spaceports	F3610-23 Standard Classification for Descriptions of Spaceport Capabilities	2023	Published	Launch
ASTM F47.04, Spaceports	ASTM F3344-19, Standard Guide for Storage, Use, and Handling of Liquid Rocket Propellants	2019	Published	Launch
ASTM F47.05, Cross- Cutting	WK74019 Qualification for Safety-Critical Systems in Space Flight	not available	(New) In Development	Safety
ASTM F47.05, Cross- Cutting	WK84313 Human Factors in Commercial Spaceflight	not available	(New) In Development	Human space safety
ASTM F47.05, Cross- Cutting	WK85993 Standard Test Method for Measuring the Insulation and Contact Temperatures Change of an Instrumented Hand in Glove Assemblies worn on Extravehicular Activities	not available	(New) In Development	Human space safety

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ASTM F47.05, Cross-Cutting	WK85994 Evaluating Impact Abrasion Resistance of Textile Fabrics Used in Spacesuits and Spacesuit Gloves (Rotary Tumbler Method)	not available	(New) In Development	Human space safety
ASTM F47.05, Cross-Cutting	WK85995 Measuring Cut Resistance of Materials Used in Spacesuits and Spacesuit Gloves Under Cryogenic Conditions with Tomodynamometer Test Equipment	not available	(New) In Development	Human space safety
ASTM F47.05, Cross-Cutting	WK86387 Safe Operating Practices In-Space for Space Fission Reactors Used for Nuclear Power and Propulsion	not available	(New) In Development	Safety
ASTM F47.05, Cross-Cutting	WK87972 Industry Requirements for Voluntary Spaceflight Safety Information Sharing Processes (VSS-ISP)	not available	(New) In Development	Safety
ASTM F47.05, Cross-Cutting	F3550-22 Standard Guide for Classifying Safety-Related Events	2022	Published	Safety
ASTM F47.05, Cross-Cutting	F3514-21 Standard Guidance for Space Data Exchange to Support Integration of Space Operations into Air Traffic Management	2021	Published	Space Data Exchange
ASTM F47.91, Terminology	F3377-23 Standard Terminology Relating to Commercial Spaceflight	2023	Published	Risk Management
BSI	BS EN 16603-10-04:2021 Space Engineering - Space Environment	2022	Published	Debris Mitigation
BSI	BS ISO 24113:2011 Space Systems. Space Debris Mitigation Requirements (British Standard)	2011	Published	Debris Mitigation
Cal Poly	CubeSat Design Specification	2009	Published	Space Data Exchange
CCSDS	CCSDS 504.0-B-2 Attitude Data Messages	2024	Published	Space data exchange
CCSDS	CCSDS 124.0-B-1 Robust Compression of Fixed-Length Housekeeping Data	2023	Published	Space data exchange
CCSDS	CCSDS 131.0-B-5 TM Synchronization and Channel Coding	2023	Published	Space data exchange
CCSDS	CCSDS 131.2-B-2 Flexible Advanced Coding and Modulation Scheme for High Rate Telemetry Applications	2023	Published	Space data exchange
CCSDS	CCSDS 502.0-B-3 Orbit Data Messages	2023	Published	Space data exchange
CCSDS	CCSDS 505.0-B-3 XML Specification for Navigation Data Messages	2023	Published	Space data exchange
CCSDS	CCSDS 911.1-B-5 Space Link Extension-Return All Frames Service Specification	2023	Published	Space data exchange
CCSDS	CCSDS 911.2-B-4 Space Link Extension-Return Channel Frames Service Specification	2023	Published	Space data exchange
CCSDS	CCSDS 911.5-B-4 Space Link Extension-Return Operational Control Fields Service Specification	2023	Published	Space data exchange
CCSDS	CCSDS 912.1-B-5 Space Link Extension-Forward CLTU Service Specification	2023	Published	Space data exchange
CCSDS	CCSDS 922.2-B-2 Cross Support Transfer Service-Tracking Data Service	2023	Published	Space data exchange
CCSDS	CCSDS 131.3-B-2 CCSDS Space Link Protocols over ETSI DVB-S2 Standard	2022	Published	Space data exchange
CCSDS	CCSDS 355.0-B-2 Space Data Link Security Protocol	2022	Published	Cybersecurity
CCSDS	CCSDS 414.1-B-3 Pseudo-Noise (PN) Ranging Systems	2022	Published	Space data exchange
CCSDS	CCSDS 883.0-B-1 Spacecraft Onboard Interface Services-High Data Rate Wireless Proximity Network Communications	2022	Published	Space data exchange
CCSDS	CCSDS 902.2-B-1 Cross Support Service—Management Communications Planning Information Format	2022	Published	Space data exchange
CCSDS	CCSDS 922.1-B-2 Cross Support Transfer Services—Monitored Data Service	2022	Published	Space data exchange
CCSDS	Has an agreement with ISO/TC 20/SC 13 (see below) to submit its standards for approval there	2022	agreement	Space Data Exchange
CCSDS	CCSDS 132.0-B-3 TM Space Data Link Protocol	2021	Published	Space data exchange

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CCSDS	CCSDS 231.0-B-4 TC Synchronization and Channel Coding	2021	Published	Space data exchange
CCSDS	CCSDS 232.0-B-4 Cor. 1 Technical Corrigendum to CCSDS 232.0-B-4, Issued October 2021	2021	Published	Space data exchange
CCSDS	CCSDS 232.0-B-4 TC Space Data Link Protocol	2021	Published	Space data exchange
CCSDS	CCSDS 401.0-B-32 Radio Frequency and Modulation Systems—Part 1: Earth Stations and Spacecraft	2021	Published	Space data exchange
CCSDS	CCSDS 431.1-B-1 Cor. 1 Technical Corrigendum 1 to CCSDS 431.1-B-1, Issued February 2021	2021	Published	Space data exchange
CCSDS	CCSDS 431.1-B-1 Variable Coded Modulation Protocol	2021	Published	Space data exchange
CCSDS	CCSDS 732.0-B-4 AOS Space Data Link Protocol	2021	Published	Space data exchange
CCSDS	CCSDS 732.1-B-2 Unified Space Data Link Protocol	2021	Published	Space data exchange
CCSDS	CCSDS 766.1-B-3 Digital Motion Imagery	2021	Published	Space data exchange
CCSDS	CCSDS 921.1-B-2 Cross Support Transfer Service—Specification Framework	2021	Published	Space data exchange
CCSDS	CCSDS 922.3-B-1 Cross Support Transfer Service—Forward Frame Service	2021	Published	Space data exchange
CCSDS	CCSDS 927.1-B-1 Terrestrial Generic File Transfer	2021	Published	Space data exchange
CCSDS	CCSDS 133.0-B-2 Space Packet Protocol	2020	Published	Space data exchange
CCSDS	CCSDS 133.1-B-3 Encapsulation Packet Protocol	2020	Published	Space data exchange
CCSDS	CCSDS 211.0-B-6 Proximity-1 Space Link Protocol-Data Link Layer	2020	Published	Space data exchange
CCSDS	CCSDS 355.1-B-1 Space Data Link Security Protocol--Extended Procedures	2020	Published	Cybersecurity
CCSDS	CCSDS 503.0-B-2 Cor. 1 Technical Corrigendum 1 to CCSDS 503.0-B-2, Issued June 2020	2020	Published	Space data exchange
CCSDS	CCSDS 503.0-B-2 Tracking Data Message	2020	Published	Space data exchange
CCSDS	CCSDS 522.0-B-1 Mission Operations--Common Services	2020	Published	Space data exchange
CCSDS	CCSDS 660.0-B-2 XML Telemetry and Command Exchange--Version 1.2	2020	Published	Space data exchange
CCSDS	CCSDS 727.0-B-5 CCSDS File Delivery Protocol (CFDP)	2020	Published	Space data exchange
CCSDS	CCSDS 141.0-B-1 Optical Communications Physical Layer	2019	Published	Space data exchange
CCSDS	CCSDS 142.0-B-1 Optical Communications Coding and Synchronization	2019	Published	Space data exchange
CCSDS	CCSDS 211.2-B-3 Proximity-1 Space Link Protocol--Coding and Synchronization Sublayer	2019	Published	Space data exchange
CCSDS	CCSDS 352.0-B-2 CCSDS Cryptographic Algorithms	2019	Published	Space data exchange
CCSDS	CCSDS 357.0-B-1 CCSDS Authentication Credentials	2019	Published	Cybersecurity
CCSDS	CCSDS 508.1-B-1 Cor. 1 Technical Corrigendum 1 to CCSDS 508.1-B-1, Issued November 2019	2019	Published	Space data exchange
CCSDS	CCSDS 508.1-B-1 Re-entry Data Message	2019	Published	Space data exchange
CCSDS	CCSDS 524.4-B-1 Mission Operations--Message Abstraction Layer Binding to ZMTP Transport	2019	Published	Space data exchange
CCSDS	CCSDS 734.3-B-1 Schedule-Aware Bundle Routing	2019	Published	Space data exchange
CCSDS	CCSDS 876.0-B-1 Spacecraft Onboard Interface Services--XML Specification for Electronic Data Sheets	2019	Published	Space data exchange
CCSDS	CCSDS 356.0-B-1 Network Layer Security Adaptation Profile	2018	Published	Cybersecurity
CCSDS	CCSDS 509.0-B-1 Cor. 1 Technical Corrigendum 1 to CCSDS 509.0-B-1, Issued February 2018	2018	Published	Space data exchange
CCSDS	CCSDS 509.0-B-1 Cor. 2 Technical Corrigendum 2 to CCSDS 509.0-B-1, Issued February 2018	2018	Published	Space data exchange
CCSDS	CCSDS 509.0-B-1 Pointing Request Message	2018	Published	Space data exchange
CCSDS	CCSDS 524.3-B-1 Mission Operations--Message Abstraction Layer Binding to HTTP Transport and XML Encoding	2018	Published	Space data exchange
CCSDS	CCSDS 902.1-B-1 Cor. 1 Technical Corrigendum 1 to CCSDS 902.1-B-1, Issued May 2018	2018	Published	Space data exchange
CCSDS	CCSDS 902.1-B-1 Cross Support Service Management--Simple Schedule	2018	Published	Space data exchange

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CCSDS	CCSDS 522.1-B-1 Mission Operations Monitor & Control Services	2017	Published	Space data exchange
CCSDS	CCSDS 524.2-B-1 Mission Operations--Message Abstraction Layer Binding to TCP/IP Transport and Split Binary Encoding	2017	Published	Space data exchange
CCSDS	CCSDS 766.2-B-1 Voice and Audio Communications	2017	Published	Space data exchange
CCSDS	CCSDS 881.1-B-1 Spacecraft Onboard Interface Services--RFID	2017	Published	Space data exchange
CCSDS	CCSDS 524.1-B-1 Mission Operations--MAL Space Packet Transport Binding and Binary Encoding	2015	Published	Space data exchange
CCSDS	CCSDS 734.1-B-1 Licklider Transmission Protocol (LTP) for CCSDS	2015	Published	Space data exchange
CCSDS	CCSDS 734.2-B-1 CCSDS Bundle Protocol Specification	2015	Published	Space data exchange
CCSDS	CCSDS 913.1-B-2 Space Link Extension--Internet Protocol for Transfer Services	2015	Published	Space data exchange
CCSDS	CCSDS 521.1-B-1 Mission Operations Common Object Model	2014	Published	Space data exchange
CCSDS	CCSDS 651.1-B-1 Producer-Archive Interface Specification (PAIS)	2014	Published	Space data exchange
CCSDS	CCSDS 211.1-B-4 Proximity-1 Space Link Protocol--Physical Layer	2013	Published	Space data exchange
CCSDS	CCSDS 506.1-B-1 Delta-DOR Raw Data Exchange Format	2013	Published	Space data exchange
CCSDS	CCSDS 508.0-B-1 Conjunction Data Message	2013	Published	Space data exchange
CCSDS	CCSDS 508.0-B-1 Cor. 1 Corrigendum 1 to CCSDS 508.0-B-1, Issued June 2013	2013	Published	Space data exchange
CCSDS	CCSDS 508.0-B-1 Cor. 2 Technical Corrigendum 2 to CCSDS 508.0-B-1, Issued June 2013	2013	Published	Space data exchange
CCSDS	CCSDS 521.0-B-2 Mission Operations Message Abstraction Layer	2013	Published	Space data exchange
CCSDS	CCSDS 702.1-B-1 Cor. 1 Technical Corrigendum 1 to CCSDS 702.1-B-1, issued September 2012	2012	Published	Space data exchange
CCSDS	CCSDS 702.1-B-1 Cor. 2 Technical Corrigendum 2 to CCSDS 702.1-B-1, issued September 2012	2012	Published	Space data exchange
CCSDS	CCSDS 702.1-B-1 IP over CCSDS Space Links	2012	Published	Space data exchange
CCSDS	CCSDS 415.1-B-1 Data Transmission and PN Ranging for 2 GHz CDMA Link via Data Relay Satellite	2011	Published	Space data exchange
CCSDS	CCSDS 735.1-B-1 Asynchronous Message Service	2011	Published	Space data exchange
CCSDS	CCSDS 232.1-B-2 Communications Operation Procedure-1	2010	Published	Space data exchange
CCSDS	CCSDS 232.1-B-2 Cor. 1 Technical Corrigendum 1 to CCSDS 232.1-B-2, Issued September 2010	2010	Published	Space data exchange
CCSDS	CCSDS 301.0-B-4 Time Code Formats	2010	Published	Space data exchange
CCSDS	CCSDS 644.0-B-3 The Data Description Language EAST Specification (CCSD0010)	2010	Published	Space data exchange
CCSDS	CCSDS 661.0-B-1 XML Formatted Data Unit (XFDU) Structure and Construction Rules	2008	Published	Space data exchange
CCSDS	CCSDS 714.0-B-2 Space Communications Protocol Specification (SCPS)—Transport Protocol	2006	Published	Space data exchange
CCSDS	CCSDS 647.3-B-1 Data Entity Dictionary Specification Language (DEDSL)—XML/DTD Syntax (CCSD0013)	2002	Published	Space data exchange
CCSDS	CCSDS 647.1-B-1 Data Entity Dictionary Specification Language (DEDSL)—Abstract Syntax (CCSD0011)	2001	Published	Space data exchange
CCSDS	CCSDS 647.2-B-1 Data Entity Dictionary Specification Language (DEDSL)—PVL Syntax (CCSD0012)	2001	Published	Space data exchange
CCSDS	CCSDS 641.0-B-2 Parameter Value Language Specification (CCSD0006 and CCSD0008)	2000	Published	Space data exchange
CCSDS	CCSDS 622.0-B-1 Standard Formatted Data Units — Referencing Environment	1997	Published	Space data exchange
CCSDS	CCSDS 632.0-B-1 Standard Formatted Data Units — Control Authority Data Structures	1994	Published	Space data exchange

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CCSDS	CCSDS 630.0-B-1 Standard Formatted Data Units — Control Authority Procedures	1993	Published	Space data exchange
CCSDS	CCSDS 620.0-B-2 Standard Formatted Data Units — Structure and Construction Rules	1992	Published	Space data exchange
CCSDS	CCSDS 643.0-B-1 ASCII Encoded English (CCSD0002)	1992	Published	Space data exchange
CNSS	CNSSI 1253F Attachment 2 Space Platform Overlay updated	2018	Published	Risk Management
CNSS	CNSSI 1200 National Information Assurance Instruction for Space Systems Used to Support National Security Missions	2014	Published	Risk Management
CNSS	CNSSI 1253F Attachment 2 Space Platform Overlay	2013	Published	Risk Management
CNSS	CNSSP 12 Cybersecurity Polity for Space Systems used to Support National Security Missions			
CONFERS	CONFERS Recommended Design and Operational Practices	2019	Published	Risk Management
CONFERS	Guiding Principles for Commercial Rendezvous and Proximity Operations (RPO) and On Orbit Servicing (OOS)	2019	Published	Space sustainability
COSPAR	International Committee on Space Research	2022	Published	Space sustainability
CSF	Trade association that does some work on safety standards and works with ASTM	Various	Published	Safety
CSpOC	U.S. Strategic Command Fact Sheet, Combined Space Operations Center / 614th Air Operations Center (previously known as JSpOC)	Various	Various	Operations
CSSMA	Trade association focused on spectrum, not a standards writing body	Various	Various	Spectrum
DIN	DIN EN 16604-20 Space sustainability - Planetary protection	2020	Published	End of Mission
DIN	DOD 3100.12, Space Support	2000	Published	Debris Mitigation
ECSS	An initiative established to develop a coherent, single set of user-friendly standards for use in all European space activities	Various	Published	Full lifecycle
ESA	Discussion of ESA activities related to mitigation of space debris	Various	Various	Debris Mitigation
FAA AST	Includes the Commercial Space Transportation Advisory Committee (COMSTAC)	Various	Various	Launch
FAA AST	FAA NPRM on Streamlined Launch and Reentry Licensing Requirements	2019	Published	Launch
FCC	Mitigation Orbital Debris in the New Space Age - Denial of Reconsideration 2024	2024	Various	Debris Mitigation
FCC	FCC Proposed Rule on Mitigation of Orbital Debris in the New Space (Feb 19, 2019)	2019	Published	Debris Mitigation
FCC	FCC Launches Review of Rules to Mitigate Orbital Space Debris (Nov 19, 2018)	2018	Published	Debris Mitigation
IAA	IAA's Space Debris Situation Report	2016	Published	Debris situation
IAASS SSI	IAASS-SSI-1700, Space Safety Standard: Commercial Human-Rated Systems Certification	2018	Published	Human space safety
IDA Science & Technology Policy Institute	Landing page for a list of reports, papers, and other government documents that STPI has either developed independently or supported since April 2012	Various	Published	Various
IEEE	Spaceflight: The Development of Science, Surveillance, and Commerce in Space (White Paper)	2012	Published	Risk Management
ISO/TC 20/SC 13, Space data and information transfer systems	ISO/DIS 14721 Space Data System Practices — Reference model for an open archival information system (OAIS)	2024	In Development	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO/DIS 16363 Space data and information transfer systems — Audit and certification of trustworthy digital repositories	2024	In Development	Space data exchange

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ISO/TC 20/SC 13, Space data and information transfer systems	ISO/DIS 16919 Space data and information transfer systems — Requirements for bodies providing audit and certification of candidate trustworthy digital repositories	2024	In Development	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO/DIS 23507 Space data and information transfer systems — Information preparation to enable long term use	2024	In Development	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 13541:2021 Space data and information transfer systems — Attitude data messages	2021	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 18441:2021 Space data and information transfer systems — Space link extension — Application program interface for transfer services — Core specification	2021	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 21077:2021 Space data and information transfer systems — Digital motion imagery	2021	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 22669:2021 Space data and information transfer systems — Space link extension (SLE) — Return-all-frames service specification	2021	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 22670:2021 Space data and information transfer systems — Space link extension (SLE) — Return-channel-frames service specification	2021	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 22671:2021 Space data and information transfer systems — Space link extension (SLE) — Forward communications link transmission unit (CLTU) service specification	2021	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 22672:2021 Space data and information transfer systems — Space link extension (SLE) — Forward space packet service specification	2021	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 26143:2021 Space data and information transfer systems — Space link extension (SLE) — Return operational control fields service specification	2021	Published	Space data exchange

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ISO/TC 20/SC 13, Space data and information transfer systems	ISO 23103:2020 Space link extension — Cross support transfer service — Specification framework	2020	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 23104:2020 Space link extension — Cross support transfer service — Monitored data service	2020	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 10537:2016 Space data and information transfer systems — Encapsulation service	2016	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 18440:2016 Space data and information transfer systems — Space link extension — Internet protocol for transfer services	2016	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 18442:2016 Space data and information transfer systems — Space link extension — Application program interface for return all frames service	2016	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 18443:2016 Space data and information transfer systems — Space link extension — Application program interface for return channel frames service	2016	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 18444:2016 Space data and information transfer systems — Space link extension — Application program interface for return operational control fields service	2016	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 18445:2016 Space data and information transfer systems — Space link extension — Application program interface for the forward CLTU service	2016	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 18446:2016 Space data and information transfer systems — Space link extension — Application program interface for the forward space packet service	2016	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 21076:2016 Space data and information transfer systems — Space communications cross support — Architecture requirements document	2016	Published	Space data exchange

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ISO/TC 20/SC 13, Space data and information transfer systems	ISO 21080:2016 Space data and information transfer systems — Licklider transmission protocol (LTP) for CCSDS	2016	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 21082:2016 Mission operations — MAL space packet transport binding and binary encoding	2016	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 21323:2016 Space data and information transfer systems — CCSDS Bundle protocol specification	2016	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 21324:2016 Space data and information transfer systems — Space data link security protocol	2016	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 22645:2016 Space data and information transfer systems — TM (telemetry) space data link protocol	2016	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 22664:2016 Space data and information transfer systems — TC (telecommand) space data link protocol	2016	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 22666:2016 Space data and information transfer systems — AOS (advanced orbiting systems) space data link protocol	2016	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 12175:1994/Amd 1:2015 Space data and information transfer systems — Standard formatted data units — Structure and construction rules — Amendment 1	2015	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 13526:2010/Amd 1:2015 Space data and information transfer systems — Tracking data message — Amendment 1	2015	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 18202:2015 Space data and information transfer systems — Mission operations message abstraction layer	2015	Published	Space data exchange

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ISO/TC 20/SC 13, Space data and information transfer systems	ISO 18423:2015 Space data and information transfer systems — Pseudo-Noise (PN) Ranging Systems	2015	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 20104:2015 Space data and information transfer systems — Producer-Archive Interface Specification (PAIS)	2015	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 20105:2015 Space data and information transfer systems — Operation of CFDP over encapsulation service	2015	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 20106:2015 Space data and information transfer systems — Mission operations common object model	2015	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 20205:2015 Space data and information transfer systems — Spacecraft Onboard Interface Systems — Low Data-Rate Wireless Communications for Spacecraft Monitoring and Control	2015	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 20206:2015 Space data and information transfer systems — IP over CCSDS space links	2015	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 20207:2015 Space data and information transfer systems — CCSDS Space Link Protocols over ETSI DVB-S2 Standard	2015	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 20208:2015 Space data and information transfer systems — Delta-DOR Raw Data Exchange Format	2015	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 20210:2015 Space data and information transfer systems — Mission Operations Message Abstraction Layer - JAVA API	2015	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 20214:2015 Space data and information transfer systems — Security architecture for space data systems	2015	Published	Space data exchange

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ISO/TC 20/SC 13, Space data and information transfer systems	ISO 20215:2015 Space data and information transfer systems — CCSDS cryptographic algorithms	2015	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 21459:2015 Space data and information transfer systems — Proximity-1 space link protocol — Coding and synchronization sublayer	2015	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 21460:2015 Space data and information transfer systems — Proximity-1 space link protocol — Physical layer	2015	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 22642:2015 Space data and information transfer systems — TC synchronization and channel coding	2015	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 22663:2015 Space data and information transfer systems — Proximity-1 space link protocol — Data link layer	2015	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 16919:2014 Space data and information transfer systems — Requirements for bodies providing audit and certification of candidate trustworthy digital repositories	2014	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 17808:2014 Space data and information transfer systems — Telemetry (TM) channel coding profiles	2014	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 17809:2014 Space data and information transfer systems - Delta-differential one-way ranging (Delta-DOR) operations	2014	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	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) link via data relay satellite	2014	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 19389:2014 Space data and information transfer systems — Conjunction data message	2014	Published	Space data exchange

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ISO/TC 20/SC 13, Space data and information transfer systems	ISO 15887:2013 Space data and information transfer systems — Lossless data compression	2013	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 17807:2013 Space data and information transfer systems - Asynchronous message service	2013	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 17854:2013 Space data and information transfer systems — Flexible advanced coding and modulation scheme for high rate telemetry applications	2013	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 18201:2013 Space data and information transfer systems — Mission operations reference model	2013	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 18381:2013 Space data and information transfer systems — Lossless multispectral and hyperspectral image compression	2013	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 18382:2013 Space data and information transfer systems — Spacecraft onboard interface services — RFID-based inventory management systems	2013	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 18424:2013 Space data and information transfer systems — XML Telemetric and Command Exchange (XTCE)	2013	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 18425:2013 Space data and information transfer systems — Spacecraft Onboard Interface Services — Subnetwork Packet Service	2013	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 18426:2013 Space data and information transfer systems — Spacecraft Onboard Interface Services — Subnetwork Memory Access Service	2013	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 18427:2013 Space data and information transfer systems — Spacecraft Onboard Interface Services — Subnetwork Synchronization Service	2013	Published	Space data exchange

Developer	Designation / Title of Standard, Specification, Other Publication, or Program	Publication Date	Publication Status	Category Topic
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 18428:2013 Space data and information transfer systems — Spacecraft Onboard Interface Services — Subnetwork Device Discovery Service	2013	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 18438:2013 Space data and information transfer systems — Spacecraft Onboard Interface Services — Subnetwork Test Service	2013	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 22667:2013 Space data and information transfer systems — Communications operation procedure-1	2013	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 14721:2012 Space data and information transfer systems — Open archival information system (OAIS) — Reference model	2012	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 16363:2012 Space data and information transfer systems — Audit and certification of trustworthy digital repositories	2012	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 22641:2012 Space data and information transfer systems — TM (telemetry) synchronization and channel coding	2012	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 11104:2011 Space data and information transfer systems — Time code formats	2011	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 15889:2011 Space data and information transfer systems — The data description language EAST specification	2011	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 17107:2011 Space data and information transfer systems — XML specification for navigation data messages	2011	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 13526:2010 Space data and information transfer systems — Tracking data message	2010	Published	Space data exchange

Developer	Designation / Title of Standard, Specification, Other Publication, or Program	Publication Date	Publication Status	Category Topic
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 13527:2010 Space data and information transfer systems — XML formatted data unit (XFDU) structure and construction rules	2010	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 13537:2010 Space data and information transfer systems — Reference architecture for space data systems	2010	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 15893:2010 Space data and information transfer systems — Space communications protocol specification (SCPS) — Transport protocol (SCPS-TP)	2010	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 26868:2009 Space data and information transfer systems — Image data compression	2009	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 15396:2007 Space data and information transfer systems — Cross support reference model — Space link extension services	2007	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 17355:2007 Space data and information transfer systems — CCSDS file delivery protocol	2007	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 20652:2006 Space data and information transfer systems — Producer-archive interface — Methodology abstract standard	2006	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 22646:2005 Space data and information transfer systems — Space packet protocol	2005	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 22646:2005/Amd 1:2015 Space data and information transfer systems — Space packet protocol — Amendment 1	2005	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 21961:2003 Space data and information transfer systems — Data entity dictionary specification language (DEDSL) — Abstract syntax	2003	Published	Space data exchange

Developer	Designation / Title of Standard, Specification, Other Publication, or Program	Publication Date	Publication Status	Category Topic
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 21962:2003 Space data and information transfer systems — Data entity dictionary specification language (DEDSL) — PVL syntax	2003	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 22643:2003 Space data and information transfer systems — Data entity dictionary specification language (DEDSL) — XML/DTD Syntax	2003	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 14961:2002 Space data and information transfer systems — Parameter value language specification	2002	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 15888:2000 Space data and information transfer systems — Standard formatted data units — Referencing environment	2000	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 15395:1998 Space data and information transfer systems — Standard formatted data units — Control authority data structures	1998	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 14962:1997 Space data and information transfer systems — ASCII encoded English	1997	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 13764:1996 Space data and information transfer systems — Standard formatted data units — Control authority procedures	1996	Published	Space data exchange
ISO/TC 20/SC 13, Space data and information transfer systems	ISO 12175:1994 Space data and information transfer systems — Standard formatted data units — Structure and construction rules	1994	Published	Space data exchange
ISO/TC 20/SC14, Space systems and operations	ISO 11227:2012, Space systems — Test procedure to evaluate spacecraft material ejecta upon hypervelocity impact	Sept 2012 (confirmed 2017)	Published	Debris Mitigation
ISO/TC 20/SC14, Space systems and operations	ISO 10789:2011, Space systems — Programme management — Information and documentation management	Sept 2011 (confirmed 2018)	Published	Risk Management
ISO/TC 20/SC14, Space systems and operations	ISO 22538-1:2007, Space systems — Oxygen safety — Part 1: Design of oxygen systems and components	Sept 2007 (confirmed 2016)	Published	Safety

Developer	Designation / Title of Standard, Specification, Other Publication, or Program	Publication Date	Publication Status	Category Topic
ISO/TC 20/SC14, Space systems and operations	ISO 22538-2:2007, Space systems — Oxygen safety — Part 2: Selection of metallic materials for oxygen systems and components	Sept 2007 (confirmed 2016)	Published	Safety
ISO/TC 20/SC14, Space systems and operations	ISO 22538-3:2007, Space systems — Oxygen safety — Part 3: Selection of non-metallic materials for oxygen systems and components	Sept 2007 (confirmed 2016)	Published	Safety
ISO/TC 20/SC14, Space systems and operations	ISO 22538-4:2007, Space systems — Oxygen safety — Part 4: Hazards analyses for oxygen systems and components	Sept 2007 (confirmed 2016)	Published	Safety
ISO/TC 20/SC14, Space systems and operations	ISO/AWI TR 23689, Space environment (natural and artificial) — Space weather information for use in space systems operations	Prep. Stage	(New) In Development	Operations
ISO/TC 20/SC14, Space systems and operations	ISO 10785:2011, Space systems — Bellows — Design and operation	Oct 2011 (confirmed 2016)	Published	Operations and Test
ISO/TC 20/SC14, Space systems and operations	ISO 14303:2002, Space systems — Launch-vehicle-to-spacecraft interfaces	Oct 2002 (confirmed 2018)	Published	Launch
ISO/TC 20/SC14, Space systems and operations	ISO 16290:2013, Space systems — Definition of the Technology Readiness Levels (TRLs) and their criteria of assessment	Nov 2013 (confirmed 2019)	Published	Test, Integration
ISO/TC 20/SC14, Space systems and operations	ISO 15863:2003, Space systems — Spacecraft-to-launch-vehicle interface control document	Nov 2003 (confirmed 2020)	Published	Launch
ISO/TC 20/SC14, Space systems and operations	ISO 14952-2:2003, Space systems — Surface cleanliness of fluid systems — Part 2: Cleanliness levels	Nov 2003 (confirmed 2019)	Published	Test
ISO/TC 20/SC14, Space systems and operations	ISO 14952-4:2003, Space systems — Surface cleanliness of fluid systems — Part 4: Rough-cleaning processes	Nov 2003 (confirmed 2019)	Published	Test
ISO/TC 20/SC14, Space systems and operations	ISO 14952-5:2003, Space systems — Surface cleanliness of fluid systems — Part 5: Drying processes	Nov 2003 (confirmed 2019)	Published	Test
ISO/TC 20/SC14, Space systems and operations	ISO 14952-6:2003, Space systems — Surface cleanliness of fluid systems — Part 6: Precision-cleaning processes	Nov 2003 (confirmed 2019)	Published	Test
ISO/TC 20/SC14, Space systems and operations	NWIP 9490 Space systems - Space Traffic Coordination	new item	under revision	Debris Mitigation
ISO/TC 20/SC14, Space systems and operations	ISO 10788:2014, Space systems — Lunar simulants	May 2014 (confirmed 2019)	Published	Test

Developer	Designation / Title of Standard, Specification, Other Publication, or Program	Publication Date	Publication Status	Category Topic
ISO/TC 20/SC14, Space systems and operations	ISO 21348:2007, Space environment (natural and artificial) — Process for determining solar irradiances	May 2007 (confirmed 2021)	Published	Debris Mitigation
ISO/TC 20/SC14, Space systems and operations	ISO 21351:2005, Space systems — Functional and technical specifications	May 2005 (confirmed 2020)	Published	Operations
ISO/TC 20/SC14, Space systems and operations	ISO 21347:2005, SPACE SYSTEMS - FRACTURE AND DAMAGE CONTROL	May 2005 (confirmed 2016)	Published	Test
ISO/TC 20/SC14, Space systems and operations	ISO 11892:2012, Space systems — Subsystems/units to spacecraft interface control document	Mar 2012 (confirmed 2017)	Published	Operations
ISO/TC 20/SC14, Space systems and operations	ISO 14711:2003, Space systems — Unmanned mission operations concepts — Guidelines for defining and assessing concept products	Mar 2003 (confirmed 2018)	Published	Launch
ISO/TC 20/SC14, Space systems and operations	ISO 17255:2014, Space systems — Programme management — Statement of work	June 2014 (confirmed 2020)	Published	Risk Management
ISO/TC 20/SC14, Space systems and operations	ISO 23461:2010, Space systems — Programme management — Non-conformance control system	June 2010 (confirmed 2021)	Published	Risk Management
ISO/TC 20/SC14, Space systems and operations	ISO 15387:2005, Space systems — Single-junction solar cells — Measurements and calibration procedures	June 2005 (confirmed 2021)	Published	Test
ISO/TC 20/SC14, Space systems and operations	ISO 15859-1:2004, Space systems — Fluid characteristics, sampling and test methods — Part 1: Oxygen	June 2004 (confirmed 2020)	Published	Test
ISO/TC 20/SC14, Space systems and operations	ISO 15859-10:2004, Space systems — Fluid characteristics, sampling and test methods — Part 10: Water	June 2004 (confirmed 2020)	Published	Test
ISO/TC 20/SC14, Space systems and operations	ISO 15859-11:2004, Space systems — Fluid characteristics, sampling and test methods — Part 11: Ammonia	June 2004 (confirmed 2020)	Published	Test
ISO/TC 20/SC14, Space systems and operations	ISO 15859-12:2004, Space systems — Fluid characteristics, sampling and test methods — Part 12: Carbon dioxide	June 2004 (confirmed 2020)	Published	Test
ISO/TC 20/SC14, Space systems and operations	ISO 15859-13:2004, Space systems — Fluid characteristics, sampling and test methods — Part 13: Breathing air	June 2004 (confirmed 2020)	Published	Test
ISO/TC 20/SC14, Space systems and operations	ISO 15859-2:2004, Space systems — Fluid characteristics, sampling and test methods — Part 2: Hydrogen	June 2004 (confirmed 2020)	Published	Test

Developer	Designation / Title of Standard, Specification, Other Publication, or Program	Publication Date	Publication Status	Category Topic
ISO/TC 20/SC14, Space systems and operations	ISO 15859-3:2004, Space systems — Fluid characteristics, sampling and test methods — Part 3: Nitrogen	June 2004 (confirmed 2020)	Published	Test
ISO/TC 20/SC14, Space systems and operations	ISO 15859-4:2004, Space systems — Fluid characteristics, sampling and test methods — Part 4: Helium	June 2004 (confirmed 2020)	Published	Test
ISO/TC 20/SC14, Space systems and operations	ISO 15859-5:2004, Space systems — Fluid characteristics, sampling and test methods — Part 5: Nitrogen tetroxide propellants	June 2004 (confirmed 2020)	Published	Test
ISO/TC 20/SC14, Space systems and operations	ISO 15859-6:2004, Space systems — Fluid characteristics, sampling and test methods — Part 6: Monomethylhydrazine propellant	June 2004 (confirmed 2020)	Published	Test
ISO/TC 20/SC14, Space systems and operations	ISO 15859-7:2004, Space systems — Fluid characteristics, sampling and test methods — Part 7: Hydrazine propellant	June 2004 (confirmed 2020)	Published	Test
ISO/TC 20/SC14, Space systems and operations	ISO 15859-8:2004, Space systems — Fluid characteristics, sampling and test methods — Part 8: Kerosine propellant	June 2004 (confirmed 2020)	Published	Test
ISO/TC 20/SC14, Space systems and operations	ISO 15859-9:2004, Space systems — Fluid characteristics, sampling and test methods — Part 9: Argon	June 2004 (confirmed 2020)	Published	Test
ISO/TC 20/SC14, Space systems and operations	ISO 14624-4:2003, Space systems — Safety and compatibility of materials — Part 4: Determination of upward flammability of materials in pressurized gaseous oxygen or oxygen-enriched environments	June 2003 (confirmed 2019)	Published	Safety
ISO/TC 20/SC14, Space systems and operations	ISO 10830:2011, Space systems — Non-destructive testing — Automatic ultrasonic inspection method of graphite ingot for solid rocket motors	July 2011 (confirmed 2022)	Published	Test
ISO/TC 20/SC14, Space systems and operations	ISO 17566:2011, Space systems — General test documentation	July 2011 (confirmed 2021)	Published	Test
ISO/TC 20/SC14, Space systems and operations	ISO 10786:2011, Space systems — Structural components and assemblies	July 2011 (confirmed 2016)	Published	Test
ISO/TC 20/SC14, Space systems and operations	ISO 22538-5:2010, Space systems — Oxygen safety — Part 5: Operational and emergency procedures	July 2010 (confirmed 2016)	Published	Safety
ISO/TC 20/SC14, Space systems and operations	ISO 19933:2007, SPACE SYSTEMS - FORMAT FOR SPACECRAFT LAUNCH ENVIRONMENT TEST REPORT	July 2007 (confirmed 2021)	Published	Launch
ISO/TC 20/SC14, Space systems and operations	ISO 16458:2004, Space systems — Unmanned spacecraft transportation — General requirements	Jan 2004 (confirmed 2023)	Published	Risk Management

Developer	Designation / Title of Standard, Specification, Other Publication, or Program	Publication Date	Publication Status	Category Topic
ISO/TC 20/SC14, Space systems and operations	ISO 16695:2014, Space environment (natural and artificial) — Geomagnetic reference models	Feb 2014 (confirmed 2019)	Published	Risk Management
ISO/TC 20/SC14, Space systems and operations	ISO 15862:2009, Space systems — Launch-vehicle-to-spacecraft flight environments telemetry data processing	Feb 2009 (confirmed 2020)	Published	Space Data Exchange
ISO/TC 20/SC14, Space systems and operations	ISO 24637:2009, Space systems — Electromagnetic interference (EMI) test reporting requirements	Feb 2009 (confirmed 2019)	Published	Debris Mitigation
ISO/TC 20/SC14, Space systems and operations	ISO 14954:2005, Space systems — Dynamic and static analysis — Exchange of mathematical models	Feb 2005 (confirmed 2018)	Published	Launch
ISO/TC 20/SC14, Space systems and operations	ISO 14950:2004, Space systems — Unmanned spacecraft operability	Feb 2004 (confirmed 2018)	Published	Debris Mitigation
ISO/TC 20/SC14, Space systems and operations	ISO/WD 16126, Space systems — Survivability of unmanned spacecraft against space debris and meteoroid impacts for the purpose of space debris mitigation	FDIS	(New) In Development	Risk Management
ISO/TC 20/SC14, Space systems and operations	ISO 10784-1:2011, Space systems — Early operations — Part 1: Spacecraft initialization and commissioning	Dec 2011 (confirmed 2022)	Published	Operations
ISO/TC 20/SC14, Space systems and operations	ISO 10784-2:2011, Space systems — Early operations — Part 2: Initialization plan	Dec 2011 (confirmed 2022)	Published	Operations
ISO/TC 20/SC14, Space systems and operations	ISO 10784-3:2011, Space systems — Early operations — Part 3: Commissioning report	Dec 2011 (confirmed 2022)	Published	Operations
ISO/TC 20/SC14, Space systems and operations	ISO 22108:2008, Space systems — Non-flight items in flight hardware — Identification and control	Dec 2008 (confirmed 2022)	Published	Test
ISO/TC 20/SC14, Space systems and operations	ISO 21648:2008, Space systems — Flywheel module design and testing	Dec 2008 (confirmed 2019)	Published	Test
ISO/TC 20/SC14, Space systems and operations	ISO 14623:2003, Space systems - Pressure vessels and pressurized structures — Design and operation	Dec 2003 (confirmed 2019)	Published	Test
ISO/TC 20/SC14, Space systems and operations	ISO 14622:2000, Space systems — Structural design — Loads and induced environment	Dec 2000 (confirmed 2016)	Published	Test
ISO/TC 20/SC14, Space systems and operations	ISO 16159:2012, SPACE SYSTEMS - LAUNCH PAD AND INTEGRATION SITE - FACILITY, SYSTEM AND EQUIPMENT FAILURE ANALYSIS	Aug 2012 (confirmed 2017)	Published	Launch

Developer	Designation / Title of Standard, Specification, Other Publication, or Program	Publication Date	Publication Status	Category Topic
ISO/TC 20/SC14, Space systems and operations	ISO 15856:2010, Space systems — Space environment — Simulation guidelines for radiation exposure of non-metallic materials	Aug 2010 (confirmed 2021)	Published	Risk Management
ISO/TC 20/SC14, Space systems and operations	ISO 22538-6:2010, Space systems — Oxygen safety — Part 6: Facility planning and implementation	Aug 2010 (confirmed 2021)	Published	Safety
ISO/TC 20/SC14, Space systems and operations	ISO 15860:2006, Space systems — Gas contamination — Measurement methods for field tests	Aug 2006 (confirmed 2019)	Published	Test
ISO/TC 20/SC14, Space systems and operations	ISO 14624-7:2006, Space systems — Safety and compatibility of materials — Part 7: Determination of permeability and penetration of materials to aerospace fluids	April 2006 (confirmed 2019)	Published	Safety
ISO/TC 20/SC14, Space systems and operations	ISO 23462:2014, Space systems — Guidelines to define the management framework for a space project	Apr 2014 (confirmed 2020)	Published	Risk Management
ISO/TC 20/SC14, Space systems and operations	ISO 26869:2012, Space systems — Small-auxiliary-spacecraft (SASC)-to- launch- vehicle interface control document	Apr 2012 (confirmed 2023)	Published	Launch
ISO/TC 20/SC14, Space systems and operations	ISO 11893:2011, Space systems — Programme management — Project organization	Apr 2011 (confirmed 2021)	Published	Risk Management
ISO/TC 20/SC14, Space systems and operations	ISO 10794:2018, Space systems — Programme management — Material, mechanical parts and processes	2018 (confirmed 2023)	Published	Test
ISO/TC 20/SC14, Space systems and operations	ISO/TS 18667:2018 Space systems — Capability-based Safety, Dependability, and Quality Assurance (SD&QA) programme management	2018 (confirmed 2023)	Published	Risk Management
ISO/TC 20/SC14, Space systems and operations	ISO/TS 18667:2018, Space systems — Capability-based Safety, Dependability, and Quality Assurance (SD&QA) programme management	2018 (confirmed 2023)	Published	Safety
ISO/TC 20/SC14, Space systems and operations	ISO/TS 20991:2018 Space systems — Requirements for small spacecraft	2018 (confirmed 2021)	Published	Debris Mitigation
ISO/TC 20/SC14, Space systems and operations	ISO/TS 20991:2018, Space systems — Requirements for small spacecraft	2018 (confirmed 2021)	Published	Debris Mitigation
ISO/TC 20/SC14, Space systems and operations	ISO/TS 21979:2018, Space environment (natural and artificial) — Procedure for obtaining worst case and confidence level of fluence using the quasi-dynamic model of earth's radiation belts	2018 (confirmed 2021)	Published	Risk Management
ISO/TC 20/SC14, Space systems and operations	ISO 17770:2017, SPACE SYSTEMS - CUBE SATELLITES (CUBESATS)	2017 (confirmed 2024)	Published	Operations

Developer	Designation / Title of Standard, Specification, Other Publication, or Program	Publication Date	Publication Status	Category Topic
ISO/TC 20/SC14, Space systems and operations	ISO 18322:2017, Space systems — General management requirements for space test centres	2017 (confirmed 2023)	Published	Risk Management
ISO/TC 20/SC14, Space systems and operations	ISO 19826:2017, Space systems — Programme management — Management of product characteristics	2017 (confirmed 2022)	Published	Test
ISO/TC 20/SC14, Space systems and operations	ISO 17666:2016, SPACE SYSTEMS - RISK MANAGEMENT	2016 (confirmed 2022)	Published	Risk Management
ISO/TC 20/SC14, Space systems and operations	ISO 18257:2016, Space systems — Semiconductor integrated circuits for space applications — Design requirements	2016 (confirmed 2022)	Published	Operations
ISO/TC 20/SC14, Space systems and operations	ISO 17851:2016, Space systems — Space environment simulation for material tests — General principles and criteria	2016 (confirmed 2021)	Published	Test
ISO/TC 20/SC14, Space systems and operations	ISO 17761:2015, Space environment (natural and artificial) — Model of high energy radiation at low altitudes (300 km to 600 km)	2015 (confirmed 2021)	Published	Test
ISO/TC 20/SC14, Space systems and operations	ISO 18238:2015, Space systems — Closed loop problem solving management	2015 (confirmed 2021)	Published	Risk Management
ISO/TC 20/SC14, Space systems and operations	ISO 18197:2015, Space systems — Space based services requirements for centimetre class positioning	2015 (confirmed 2020)	Published	Risk Management

Acronym List	Definition
AAS	American Astronomical Society
AIA	Aerospace Industries Association
AIAA	American Institute of Aeronautics and Astronautics
ASE	Association of Space Explorers
ASTM	American Society for Testing and Materials (now ASTM International)
ASTM	ASTM International
BSI	British Standards Institution
Cal Poly	California Polytechnic State University
CCSDS	Consultative Committee for Space Data Systems
CNSS	Committee on National Security Systems
CONFERS	Consortium for Execution of Rendezvous and Servicing Operations
COSPAR	Committee on Space Research
CSF	Commercial Spaceflight Federation
CSSMA	Commercial Smallsat Spectrum Management Association
DIN	Deutsches Institut für Normung
ECSS	European Cooperation for Space Standardization
ESA	European Space Agency
FAA	Federal Aviation Administration
FAA AST	Federal Aviation Administration Office of Commercial Space Transportation
FCC	Federal Communications Commission
IAA	International Academy of Astronautics
IAASS	International Association for the Advancement of Space Safety
IAASS SSI	International Association for the Advancement of Space Safety Space Safety Institute
IDA	Institute for Defense Analysis
IEEE	Institute of Electrical and Electronics Engineers
IR	Interagency Report
ISO	International Organization for Standardization
ISS	International Space Station
ITU	International Telecommunication Union
NAPA	National Academy of Public Administration
NAS	National Aerospace Standard
NASA	National Aeronautics and Space Administration
NFPA	National Fire Protection Association
NIST	National Institute of Standards and Technology
OSA	Office of Space Affairs
SAE	Society of Automotive Engineers
SANA	Space Assigned Numbers Authority
SATCON1	Satellite Constellations 1 workshop
SC	Subcommittee
SFCG	Space Frequency Coordination Group
SIA	Satellite Industry Association
SP	Special Report
SP	Special Project
SP	Special Publication
SSC	Space Safety Coalition
TC	Technical Committee
TN	Technical Note
UNOOSA	United Nations Office for Outer Space Affairs
USG	United States Government