

**Standards Manager Web Standards List**  
**AIAA-American Institute of Aeronautics and Astronautics**

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2	R-141	Code Verification in Computational Fluid Dynamics	2021	AIAA	
3	R-154	When Flight Modelling Is Used to Reduce Flight Testing Supporting Aircraft Certification	2021	AIAA	
4	S-153	Human Spaceflight: Spacecraft Architecture and Systems Engineering Ontology	2021	AIAA	
5	R-091	Calibration and Use of Internal Strain-Gage Balances with Application to Wind Tunnel Testing	2020	AIAA	100
6	R-146	Dual Flow Reference Nozzles For Verification of Sub-Scale Thrust and Airflow Test Rigs: Dual Separate Flow Reference (DSFR) and Dual Mixed Flow Reference (DMFR)	2020	AIAA	124
7	G-034A	Guide to Reference and Standard Ionosphere Models	2019	AIAA	122
8	S-102.1.4	Performance-Based Failure Reporting, Analysis & Corrective Action System (FRACAS) Requirements	2019	AIAA	39
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10	S-102.2.2	Performance-Based System Reliability Modeling Requirements	2019	AIAA	38
11	S-102.2.11	Performance-Based Anomaly Detection and Response Analysis	2019	AIAA	30
12	S-102.2.18	Performance-Based Fault Tree Analysis Requirements	2019	AIAA	37
13	S-102.0.1	Capability-based mission assurance program û General requirements	2019	AIAA	115
14	S-017B	Standard for Aerodynamic Decelerator and Parachute Drawings	2019	AIAA	85
15	S-120A	Mass Properties Control for Space Systems	2019	AIAA	39
16	G-043B	Guide to the Preparation of Operational Concept Documents	2018	AIAA	59
17	R-092-1	Wind Tunnel Testing Part 1: Management Volume	2018	AIAA	23
18	R-092-2	Wind Tunnel Testing Part 2: Practitioners Volume	2018	AIAA	54
19	S-081B	Space Systems - Composite Overwrapped Pressure Vessels	2018	AIAA	58
20	S-080A	Space Systems - Metallic Pressure Vessels, Pressurized Structures, and Pressure Components	2018	AIAA	57
21	G-095A	Guide to Safety of Hydrogen and Hydrogen Systems	2017	AIAA	306
22	G-129	Nomenclature and Axis Systems for Aerodynamic Wind Tunnel Testing	2017	AIAA	55
23	S-121A	Electromagnetic Compatibility Requirements for Space Equipment and Systems	2017	AIAA	123
24	S-123	Adaptations and Conversions of CCSDS Space Link Extension Forward Communications Link Transmission Unit Transfer Service	2017	AIAA	27
25	S-124	Adaptations and Conversions of CCSDS Space Link Extension Return All Frames Transfer Service	2017	AIAA	30
26	S-115	Low Earth Orbit Spacecraft Charging Design Standard Requirement and Associated Handbook	2017	AIAA	69
27	S-119	Flight Dynamics Model Exchange Standard	2016	AIAA	129
28	S-131	Astrodynamics â Propagation Specifications, Technical Definitions, and Recommended Practices	2016	AIAA	101
29	G-003C	Guide to Reference and Standard Atmosphere Models	2016	AIAA	154
30	S-113A	Criteria for Explosive Systems and Devices on Space and Launch Vehicles	2016	AIAA	137
31	S-117A	Space Systems Verification Program and Management Process	2016	AIAA	45
32	S-142	Standard/Handbook for Multipactor Breakdown Prevention in Spacecraft Components	2016	AIAA	69
33	S-143	Occupant-Imparted Loads for Commercial Suborbital RLVs	2016	AIAA	14
34	S-120A	Mass Properties Control for Space Systems	2015	AIAA	39

35	S-102.2.4	Capability-Based Product Failure Mode, Effects and Criticality Analysis (FMECA) Requirements	2015	AIAA	62
36	S-017B	Standard for Aerodynamic Decelerator and Parachute Drawings	2015	AIAA	84
37	G-140	Terrestrial Environment Guidelines for Use in Aerospace Vehicle Development	2015	AIAA	45
38	G-034A	Guide to Reference and Standard Ionosphere Models	2014	AIAA	122
39	S-111A	Qualification and Quality Requirements for Space Solar Cells	2014	AIAA	37
40	S-112A	Qualification and Quality Requirements for Electrical Components on Space Solar Panels	2013	AIAA	41
41	S-115	Low Earth Orbit Spacecraft Charging Design Standard Requirement and Associated Handbook	2013	AIAA	69
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43	S-133-3	Space Plug-and-Play Architecture Standard Logical Interface	2013	AIAA	71
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47	S-133-7	Space Plug-and-Play Architecture Standard Ontology	2013	AIAA	39
48	S-133-8	Space Plug-and-Play Architecture Standard Test Bypass	2013	AIAA	31
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50	G-133-1	Space Plug-and-Play Architecture Standards Development Guidebook	2013	AIAA	49
51	G-133-10	Space Plug-and-Play Architecture Guide System Capabilities	2013	AIAA	18
52	G-043A	Guide to the Preparation of Operational Concept Documents	2012	AIAA	57
53	SP-137	Status of Inflight Icing Forecasting Products and Plans for Future Development	2012	AIAA	32
54	G-129	Nomenclature and Axis Systems for Aerodynamic Wind Tunnel Testing	2012	AIAA	55
55	S-119	Flight Dynamics Model Exchange Standard	2011	AIAA	129
56	S-131	Astrodynamics â Propagation Specifications, Technical Definitions, and Recommended Practices	2010	AIAA	101
57	S-117	Space Systems Verification Program and Management Process	2010	AIAA	41
58	G-003C	Guide to Reference and Standard Atmosphere Models	2010	AIAA	154
59	S-102.1.4	Performance-Based Failure Reporting, Analysis & Corrective Action System (FRACAS) Requirements	2009	AIAA	39
60	S-102.1.5	Performance-Based Failure Review Board (FRB) Requirements	2009	AIAA	37
61	S-102.2.2	Performance-Based System Reliability Modeling Requirements	2009	AIAA	38
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69	S-124	Adaptations and Conversions of CCSDS Space Link Extension Return All Frames Transfer Service	2007	AIAA	30
70	S-120	NULL	2006	AIAA	55
71	S-081A	Space Systems - Composite Overwrapped Pressure Vessels (COPVs)	2006	AIAA	33
72	G-118	Managing the Use of Commercial Off the Shelf (COTS) Software Components for Mission-Critical Systems	2006	AIAA	67
73	S-110	Space Systems Structures, Structural Components, and Structural Assemblies	2005	AIAA	39
74	R-101A	The CFD General Notation System â Standard Interface Data Structures	2005	AIAA	200
75	S-113	Criteria for Explosive Systems and Devices on Space and Launch Vehicles	2005	AIAA	121

76	S-114	Moving Mechanical Assemblies for Space and Launch Vehicles	2005	AIAA	49
77	S-111	Qualification and Quality Requirements for Space Solar Cells	2005	AIAA	29
78	S-112	Qualification and Quality Requirements for Space Solar Panels	2005	AIAA	25
79	S-096	Space Systems Flywheel Rotor Assemblies	2004	AIAA	26
80	G-003B	Guide to Reference and Standard Atmosphere Models	2004	AIAA	100
81	SP-108	Recommended Design Practices for Conceptual Nuclear Fusion Space Propulsion Systems	2004	AIAA	24
82	R-103	Terminology for Unmanned Aerial Vehicles and Remotely Operated Aircraft	2004	AIAA	93
83	G-095	Guide to Safety of Hydrogen and Hydrogen Systems	2004	AIAA	265
84	G-045	Assessing Experimental Uncertainty Supplement to AIAA S-071A-1999	2003	AIAA	91
85	R-091	Calibration and Use of Internal Strain- Gage Balances with Application to Wind Tunnel Testing	2003	AIAA	74
86	R-092-1	Wind Tunnel Testing Part 1: Management Volume	2003	AIAA	23
87	R-092-2	Wind Tunnel Testing Part 2: Practitioners Volume	2003	AIAA	54
88	R-093	Calibration of Subsonic and Transonic Wind Tunnels	2003	AIAA	146
89	G-077	Guide for Verification and Validation of Computational Fluid Dynamics Simulation	2002	AIAA	29
90	R-101	The CFD General Notation System Standard Interface Data Structures	2002	AIAA	171
91	G-077	Guide for Verification and Validation of Computational Fluid Dynamics Simulation	2002	AIAA	29
92	R-099	Recommended Practice for Space Launch Integration	2001	AIAA	112
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94	SP-086	Fire, Explosion, Compatibility, and Safety Hazards of Nitrogen Tetroxide	2001	AIAA	126
95	S-017A	NULL	2000	AIAA	58
96	G-035A	Guide to Human Performance Measurements	2000	AIAA	61
97	S-081	Space Systems - Composite Overwrapped Pressure Vessels (COPVs)	2000	AIAA	24
98	G-065	Guide to Global Aerosol Models	1999	AIAA	74
99	G-083	Guide to Modeling Earth's Trapped Radiation Environment	1999	AIAA	63
100	R-020A	Recommended Practice for Mass Properties Control for Satellites, Missiles, and Launch Vehicles	1999	AIAA	19
101	SP-084	Fire, Explosion, Compatibility, and Safety Hazards of Hypergols - Hydrazine	1999	AIAA	167
102	SP-085	Fire, Explosion, Compatibility, and Safety Hazards of Hypergols - Monomethylhydrazine	1999	AIAA	122
103	SP-016-2	MEO/LEO Constellations: U.S. Laws, Policies, and Regulations on Orbital Debris Mitigation	1999	AIAA	30
104	S-071A	Assessment of Experimental Uncertainty with Application to Wind Tunnel Testing	1999	AIAA	92
105	S-080	Space Systems - Metallic Pressure Vessels, Pressurized Structures, and Pressure Components	1998	AIAA	28
106	S-061	Commercial Launch Safety	1998	AIAA	63
107	G-077	Guide for Verification and Validation of Computational Fluid Dynamics Simulation	1998	AIAA	30
108	G-034	Guide to Reference and Standard Ionosphere Models	1998	AIAA	68
109	G-003A	Guide to Reference and Standard Atmosphere Models	1996	AIAA	73
110	R-100	Recommended Practice for Parts Management	1996	AIAA	58
111	S-071	Assessment of Wind Tunnel Data Uncertainty	1995	AIAA	93
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113	S-066	Standard Vocabulary for Space Automation and Robotics	1995	AIAA	17
114	G-072	Guide for Utility Connector Interfaces for Serviceable Spacecraft	1995	AIAA	41
115	SP-069	Contemporary Models of the Orbital Environment	1994	AIAA	126
116	G-057	Guide to Terminology for Space Launch Systems	1994	AIAA	82

117	R-064	Recommended Practice for Astrodynamics Concepts, Terms, and Symbols - Part 1	1994	AIAA	66
118	R-024	Space Operations and Support Documentation	1993	AIAA	22
119	SP-063	Standardization for Commercial Space Transportation Operations	1993	AIAA	52
120	G-010	Reusable Software: Assessment Criteria for Aerospace Applications	1993	AIAA	30
121	R-060	Recommended Practice for Reporting Earth-to-Orbit Mission Profiles	1993	AIAA	12
122	G-056	Guide for the Serviceable Spacecraft Grasping/Berthing/ Docking Interfaces	1992	AIAA	32
123	SP-016	Orbital Debris Mitigation Techniques: Technical, Legal, and Economic Aspects	1992	AIAA	62
124	R-004	Atmospheric and Space Flight Vehicle Coordinate Systems	1992	AIAA	69
125	R-021	Recommended Practice Spacecraft System Design in SI Units	1992	AIAA	10
126	R-023	Recommended Practice Human-Computer Interfaces for Space System Operations	1992	AIAA	30
127	G-043	Guide for the Preparation of Operational Concept Documents	1992	AIAA	38
128	G-035	Human Performance Measurements	1992	AIAA	166
129	G-020	Estimating and Budgeting Weight and Power Contingencies for Spacecraft Systems	1992	AIAA	14
130	G-031	Life Cycle Development of Knowledge Based Systems Using DOD-STD 2167A	1992	AIAA	35
131	G-042	Design for On-Orbit Spacecraft Servicing	1991	AIAA	411
132	S-001	Standard Terminology for Space Structures	1991	AIAA	35
133	S-017	Standard for Aerodynamic Decelerator and Parachute Drawings	1991	AIAA	58
134	SP-050	Future Air Traffic Control and Navigation Systems	1991	AIAA	165
135	G-009	Guide for Implementing Software Development Files Conforming to DOD-STD-2167A	1991	AIAA	22
136	G-003	Guide to Reference and Standard Atmosphere Models	1990	AIAA	81
137	SP-039	Future of Aerospace Standards	1990	AIAA	37
138	SP-012	1991 Earth Observations Directory: A Worldwide Listing of Government Institutions and Related Groups	1990	AIAA	176

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