

Standards Update (July 2020)

Documents Published in 2020

- AIAA R-091A-2020, Calibration and Use of Internal Strain-Gage Balances with Application to Wind Tunnel Testing
- AIAA R-146-2020, 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)

Documents Under Revision

- AIAA S-071B-202x, Assessment of Experimental Uncertainty with Application to Wind Tunnel Testing (will be combined with AIAA G-045-Supplement)
- AIAA G-077A-202x, Guide for the Verification and Validation of CFD Simulations
- ANSI/AIAA S-102.2.4A-202x, Capability-Based Product Failure Mode, Effects and Criticality Analysis (FMECA) Requirements
- AIAA S-110A-202x, Space Systems - Structures, Structural Components, and Structural Assemblies
- AIAA S-113B-202x, Criteria for Explosive Systems and Devices on Space and Launch Vehicles
- AIAA S-114A-202x, Moving Mechanical Assemblies for Space and Launch Vehicles
- AIAA G-118A-202x, Guide for Managing the Use of Commercial Off the Shelf (COTS) Software Components for Mission-Critical Systems

Documents Under Development

- ANSI/AIAA G-082-202x, Space Systems—Composite Overwrapped Pressure Vessels with a Composite Liner
- ANSI/AIAA S-089-202x, Composite Pressurized Structures
- AIAA S-136-202x, Battery Safety Standard for Space Applications
- ANSI/AIAA S-141-202x, Code Verification in Computational Fluid Dynamics
- ANSI/AIAA S-144-202x, Large Prismatic Li-ion Space Cell
- AIAA S-147-202x, Ground Test - Dynamic shake/rap testing
- AIAA R-148-202x, Modal Testing and Correlation Guidelines for Aerospace Structures
- ANSI/AIAA S-149-202x, Qualification and Acceptance Test for Space Batteries
- AIAA G-150-202x, Guide - Geometry Modelling for Computational Simulation
- AIAA G-151-202x, Nonrecurring and Recurring Cost Definitions for Space Systems
- AIAA R-152-202x, Recommendations for flow control research, both experimental and computational

- AIAA S-153-202x, Human Spaceflight – Space Vessels Architecture and Systems Engineering Ontology
- AIAA R-154-202x, When Flight Modelling is Used to Reduce Flight Testing Supporting Aircraft Certification
- US Adoption of ISO 21384-202x, Unmanned Aircraft Systems - Part 3: Operational Procedures