Standards Update (September 2019)

Documents Published in 2019

- AIAA S-111A-2014/A1-2019, Qualification and Quality Requirements for Space Solar Cells (Amendment 1)
- AIAA S-112A-2013/A1-2019, Qualification and Quality Requirements for Space Solar Panels (Amendment 1)
- ANSI/AIAA S-102.0.1-2019, Capability-based mission assurance program – General requirements

Documents Reaffirmed in 2019

- ANSI/AIAA S-017B-2015(2019), Aerodynamic Decelerator and Parachute Drawings

Documents Under Revision

- AIAA S-071B-20xx, Assessment of Experimental Uncertainty With Application to Wind Tunnel Testing (will be combined with AIAA G-045-Supplement)
- AIAA G-077A-20xx, Guide for the Verification and Validation of CFD Simulations
- AIAA R-091A-20xx, Calibration and Use of Internal Strain-Gage Balances with Application to Wind Tunnel Testing
- ANSI/AIAA S-102.2.4-20xx, Capability-Based Product Failure Mode, Effects and Criticality Analysis (FMECA) Requirements
- AIAA S-113A-2016/Amendment 1-20xx, Criteria for Explosive Systems and Devices on Space and Launch Vehicles - Amendment 1
- AIAA S-114A-20xx, Moving Mechanical Assemblies for Space and Launch Vehicles

Documents Under Development

- AIAA S-089-20xx, Composite Pressurized Structures
- AIAA S-136-20xx, Battery Safety Standard for Space Applications
- ANSI/AIAA S-141-20xx, Code Verification in Computational Fluid Dynamics
- ANSI/AIAA S-144-20xx, Large Prismatic Li-ion Space Cell
- AIAA R-146-20xx, 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)
- AIAA S-147-20xx, Ground Test - Dynamic shake/rap testing
- AIAA R-148-20xx, Modal Testing and Correlation Guidelines for Aerospace Structures
• ANSI/AIAA S-149-20xx, Qualification and Acceptance Test for Space Batteries
• AIAA G-150-20xx, Guide - Geometry Modelling for Computational Simulation
• AIAA G-151-20xx, Nonrecurring and Recurring Cost Definitions for Space Systems
• AIAA R-152-20xx, Recommendations for flow control research, both experimental and computational
• AIAA S-153-20xx, Human Spaceflight – Space Vessels Architecture and Systems Engineering Ontology
• AIAA R-154-20xx, When Flight Modelling is Used to Reduce Flight Testing Supporting Aircraft Certification