

Standards Quarterly

Standards Highlights

- The next meeting of ISO/TC 20/SC 16 is scheduled for 25-29 June 2018 in Arlington, VA.

If you would like to participate on the US Technical Advisory Group (TAG) related to this activity, please contact Hillary Woehrle hillaryw@aiaa.org.

Documents Published in 2018

- ANSI/AIAA G-043B-2018, Guide for the Preparation of Operational Concept Documents
- ANSI/AIAA S-080A-2018, Metallic Pressure Vessels, Pressurized Structures, and Pressure Components
- ANSI/AIAA S-081B-2018, Standard for Space Systems: Composite Overwrapped Pressure Vessels (COPVs)

Ongoing Work

The following Standards are under revision or development:

- AIAA S-071B-201x, Assessment of Experimental Uncertainty With Application to Wind Tunnel Testing (will be combined with AIAA G-045-Supplement)
- AIAA G-077A-201x, Guide for the Verification and Validation of CFD Simulations
- AIAA S-089-201x, Composite Pressurized Structures
- AIAA R-091A-201x, Calibration and Use of Internal Strain-Gage Balances with Application to Wind Tunnel Testing
- ANSI/AIAA S-102-1-4-A-201x, Performance-Based Failure Reporting, Analysis & Corrective Action Systems (FRACAS) Requirements
- ANSI/AIAA S-102-1-5-A-201x, Performance Based Failure Board Requirements
- ANSI/AIAA S-102-2-2-A-201x, System Reliability Modeling Requirements
- ANSI/AIAA S-102-2-11-A-201x, Anomaly, Detection, and Response Analysis
- ANSI/AIAA S-102-2-18-A-201x, Performance-Based Fault Tree Analysis Requirements
- AIAA S-111-2014/Amendment 1-201x, Qualification and Quality Requirements for Space Solar Cells
- AIAA S-112-2013/Amendment 1-201x, Qualification and Quality Requirements for Electrical Components on Space Solar Panels
- AIAA S-114A-201x, Moving Mechanical Assemblies for Space and Launch Vehicles
- AIAA S-113-2016/Amendment 1-201x, Criteria for Explosive Systems and Devices on Space and Launch Vehicles

- AIAA S-136-201x, Safety Standard for Space Lithium Batteries
- ANSI/AIAA S-141-201x, Code Verification in Computational Fluid Dynamics
- ANSI/AIAA S-144-201x, Large Prismatic Li-ion Space Cell
- AIAA R-146-201x, 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-147-201x, Ground Test - Dynamic shake/ rap testing

If you would like to participate on any of the committees developing these documents, please send an email to Hillary Woehrle at hillaryw@aiaa.org to obtain an application form.