

Standards Quarterly (June 2017)

Standards Highlights

- The next plenary meeting of ISO/TC 20/SC 14 (Space Systems and Operations) will be held on 12-16 June 2017 in Paris, France.
- The fourth meeting of ISO/TC 20/SC 17 (Airport Infrastructure) is scheduled as a teleconference on Friday, September 29, 2017.

If you would like to participate on any of the US Technical Advisory Groups (TAGs) related to these activities, please contact Hillary Woehrle hillaryw@aiaa.org.

Documents Expected to be Published in 2017

- ANSI/AIAA S-080A-201X, Metallic Pressure Vessels, Pressurized Structures, and Pressure Components
- ANSI/AIAA S-081B-201X, Standard for Space Systems: Composite Overwrapped Pressure Vessels (COPVs)
- ANSI/AIAA G-095A-201X, Guide for Safety of Hydrogen and Hydrogen Systems

Documents Being Reaffirmed based on the 2017 Periodic Review

- ANSI/AIAA S-115-2013, LEO Spacecraft Charging Design Standard and Handbook
- ANSI/AIAA S-123-2007, Adaptions and Conversions of CCSDS Space Link Extension Forward Communications Link Transmission Unit Transfer Service
- ANSI/AIAA S-124-2007, Adaptions and Conversions of CCSDS Space Link Extension Return All Frames Transfer Service

Documents to Undergoing Revision based on the 2017 Periodic Review

- ANSI/AIAA G-043A-2012, Guide for the Preparation of Operational Concept Documents
- ANSI/AIAA S-102-1-4-2009, Performance-Based Failure Reporting, Analysis & Corrective Action Systems (FRACAS) Requirements
- ANSI/AIAA S-102-1-5-2009, Performance Based Failure Board Requirements
- ANSI/AIAA S-102-2-2-2009, System Reliability Modeling Requirements
- ANSI/AIAA S-102-2-11-2009, Anomaly, Detection, and Response Analysis
- ANSI/AIAA S-102-2-18-2009, Performance-Based Fault Tree Analysis Requirements
- AIAA S-111-2014, Qualification and Quality Requirements for Space Solar Cells

- AIAA S-112-2013, Qualification and Quality Requirements for Electrical Components on Space Solar Panels

If you would like to participate on any of the Committees on Standards (CoS) to help develop the revisions, please contact Hillary Woehrle hillaryw@aiaa.org.

Ongoing Work

The following Standards are still under development.

- AIAA S-071B-201X, Assessment of Experimental Uncertainty With Application to Wind Tunnel Testing
- AIAA G-077A-201X, Guide for the Verification and Validation of CFD Simulations
- AIAA S-089-201X, Composite Pressurized Structures
- AIAA S-121A-201X, Electromagnetic Compatibility Requirements for Space Equipment and Systems
- AIAA S-136-201X, Battery Safety Standard for Space Applications
- ANSI/AIAA S-141-201X, Code Verification in Computational Fluid Dynamics
- ANSI/AIAA S-144-201X, Large Prismatic Li-ion Space Cell
- ANSI/AIAA S-145-201X, Commercial Space Systems Development
- 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)

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.