

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG1	Airworthiness		ISO/TC 20/SC 16, Unmanned Aircraft Systems	ISO/CD 21384-1, Unmanned aircraft systems - Part 1: General specification		(New) In Development	Yes
WG1	Airworthiness	Design and Construction	ASTM F15.22, Consumer Products - Toy Safety	ASTM F963-17, Standard Consumer Safety Specification for Toy Safety	2017	Published	No
WG1	Airworthiness	Design and Construction	ASTM F37.20, Light Sport Aircraft - Airplane	ASTM F2245 - 16c, Standard Specification for Design and Performance of a Light Sport Airplane	2016	Published	No
WG1	Airworthiness	Design and Construction	ASTM F37.70, Light Sport Aircraft - Cross Cutting	ASTM F2563-16, Standard Practice for Kit Assembly Instructions of Aircraft Intended Primarily for Recreation	2016	Published	No
WG1	Airworthiness	Design and Construction	ASTM F37.70, Light Sport Aircraft - Cross Cutting	ASTM F2930-16e1, Standard Guide for Compliance with Light Sport Aircraft Standards	2016	Published	No
WG1	Airworthiness	Design and Construction	ASTM F38.01, Unmanned Aircraft Systems (UAS) - Airworthiness	ASTM F2910-14 Standard Specification for Design and Construction of a Small Unmanned Aircraft System (sUAS)	2014	Published	Yes
WG1	Airworthiness	Design and Construction	ASTM F38.01, Unmanned Aircraft Systems (UAS) - Airworthiness	ASTM F2911-14e1 Standard Practice for Production Acceptance of Small Unmanned Aircraft System (sUAS)	2014	Published	Yes
WG1	Airworthiness	Design and Construction	ASTM F38.01, Unmanned Aircraft Systems (UAS) - Airworthiness	ASTM F3298-18, Standard Specification for Design, Construction, and Verification of Fixed-Wing Unmanned Aircraft Systems (UAS)	2018	Published	Yes
WG1	Airworthiness	Design and Construction	ASTM F38.01, Unmanned Aircraft Systems (UAS) - Airworthiness	ASTM WK53964 Design, Construct, and Test of VTOL		(New) In Development	Yes
WG1	Airworthiness	Design and Construction	ASTM F38.01, Unmanned Aircraft Systems (UAS) - Airworthiness	ASTM WK62670, Specification for Large UAS Design and Construction		(New) In Development	Yes
WG1	Airworthiness	Design and Construction	ASTM F44.10, General Aviation - General	ASTM F3264-18, Standard Specification for Normal Category Aeroplanes Certification	2018	Published	No
WG1	Airworthiness	Design and Construction	ASTM F44.20, General Aviation - Flight	ASTM 3082/F3082M-17, Standard Specification for Weights and Centers of Gravity of Aircraft	2017	Published	No
WG1	Airworthiness	Design and Construction	ASTM F44.20, General Aviation - Flight	ASTM F3180/F3180M-18, Standard Specification for Low-Speed Flight Characteristics of Aircraft	2018	Published	No
WG1	Airworthiness	Design and Construction	ASTM F44.30, General Aviation - Structures	ASTM F3115/F3115M-15, Standard Specification for Structural Durability for Small Airplanes	2015	Published	No
WG1	Airworthiness	Design and Construction	ASTM F44.30, General Aviation - Structures	ASTM F3116/F3116M-15, Standard Specification for Design Loads and Conditions	2015	Published	No
WG1	Airworthiness	Design and Construction	ASTM F44.30, General Aviation - Structures	ASTM WK59101, New Specification for Structures, Design and Construction		(New) In Development	No
WG1	Airworthiness	Design and Construction	ASTM F44.30, General Aviation - Structures	ASTM WK61232, New Practice for Low Stress Airframe Structure		(New) In Development	No
WG1	Airworthiness	Design and Construction	ISO/TC 20/SC 16, Unmanned Aircraft Systems	ISO/CD 21384-2, Unmanned aircraft systems - Part 2: Product systems		(New) In Development	Yes
WG1	Airworthiness	Design and Construction	JARUS WG3 - Airworthiness	JARUS CS-LUAS, Recommendations for Certification Specification for Light Unmanned Aeroplane Systems. It provides recommendations for States to use for their own national legislation, concerning Certification Specification for Light Unmanned Aeroplane Systems. (see JARUS Work Plan)	Dec-16	Published	Yes
WG1	Airworthiness	Design and Construction	JARUS WG3 - Airworthiness	JARUS CS-LURS, Certification Specification for Light Unmanned Rotorcraft Systems	Oct-13	Published	Yes

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WG1	Airworthiness	Design and Construction	JARUS WG6 - Safety & Risk Management	JARUS AMC RPAS 1309, Safety Assessment of Remotely Piloted Aircraft Systems (package). Document developed as an integral part of a type-certification process. It is a means of compliance to a 1309 airworthiness requirement.	Nov-15	Published	Yes
WG1	Airworthiness	Safety	ASTM F38.01, Unmanned Aircraft Systems (UAS) - Airworthiness	ASTM F3269-17, Standard Practice for Methods to Safely Bound Flight Behavior of Unmanned Aircraft Systems Containing Complex Functions	2017	Published	Yes
WG1	Airworthiness	Safety	ASTM F44.50, General Aviation - Systems and Equipment	ASTM WK52827, New Practice for Safety Analysis of Systems & Equipment Retrofit in Small Aircraft		(New) In Development	No
WG1	Airworthiness	Safety	SAE S-18 Aircraft and Sys Dev and Safety Assessment	SAE ARP4754A, Guidelines for Development of Civil Aircraft and Systems	21-Dec-10	Published	No
WG1	Airworthiness	Safety	SAE S-18 Aircraft and Sys Dev and Safety Assessment	SAE ARP4761, Guidelines and Methods for Conducting the Safety Assessment Process on Civil Airborne Systems and Equipment	1-Dec-96	Published	No
WG1	Airworthiness	Safety	SAE S-18 Aircraft and Sys Dev and Safety Assessment	SAE ARP4761, Guidelines and Methods for Conducting the Safety Assessment Process on Civil Airborne Systems and Equipment	1-Dec-96	Published	No
WG1	Airworthiness	Safety	SAE S-18 Aircraft and Sys Dev and Safety Assessment	SAE ARP4761A, Guidelines And Methods For Conducting The Safety Assessment Process On Civil Airborne Systems And Equipment		(Revision) In Development	No
WG1	Airworthiness	Safety	SAE S-18 Aircraft and Sys Dev and Safety Assessment	SAE AIR6913, Using STPA During Development and Safety Assessment of Civil Aircraft		(New) In Development	No
WG1	Airworthiness	Safety	SAE S-18 Aircraft and Sys Dev and Safety Assessment	SAE ARP4754B, Guidelines for Development of Civil Aircraft and Systems		(New) In Development	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E11.10, Sampling / Statistics	ASTM E105-16, Standard Practice for Probability Sampling of Materials	2016	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E11.10, Sampling / Statistics	ASTM E122-17, Standard Practice for Calculating Sample Size to Estimate, With Specified Precision, the Average for a Characteristic of a Lot or Process	2017	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E11.10, Sampling / Statistics	ASTM E1325-16, Standard Terminology Relating to Design of Experiments	2016	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E11.10, Sampling / Statistics	ASTM E1402-13, Standard Guide for Sampling Design	2013	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E11.10, Sampling / Statistics	ASTM E141-10(2018), Standard Practice for Acceptance of Evidence Based on the Results of Probability Sampling	2018	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E11.10, Sampling / Statistics	ASTM E178-16a, Standard Practice for Dealing With Outlying Observations	2016	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E11.10, Sampling / Statistics	ASTM E2586-18, Standard Practice for Calculating and Using Basic Statistics	2018	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E11.10, Sampling / Statistics	ASTM E3080-17, Standard Practice for Regression Analysis	2017	Published	No

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WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E11.20, Test Method Evaluation and Quality Control	ASTM E1169-18, Standard Practice for Conducting Ruggedness Tests	2018	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E11.20, Test Method Evaluation and Quality Control	ASTM E1323-15, Standard Guide for Evaluating Laboratory Measurement Practices and the Statistical Analysis of the Resulting Data	2015	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E11.20, Test Method Evaluation and Quality Control	ASTM E1488-12(2018), Standard Guide for Statistical Procedures to Use in Developing and Applying Test Methods	2018	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E11.20, Test Method Evaluation and Quality Control	ASTM E177-14, Standard Practice for Use of the Terms Precision and Bias in ASTM Test Methods	2014	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E11.20, Test Method Evaluation and Quality Control	ASTM E2282-14, Standard Guide for Defining the Test Result of a Test Method	2014	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E11.20, Test Method Evaluation and Quality Control	ASTM E2489-16, Standard Practice for Statistical Analysis of One-Sample and Two-Sample Interlaboratory Proficiency Testing Programs	2016	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E11.20, Test Method Evaluation and Quality Control	ASTM E2554-18, Standard Practice for Estimating and Monitoring the Uncertainty of Test Results of a Test Method Using Control Chart Techniques	2018	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E11.20, Test Method Evaluation and Quality Control	ASTM E2655-14, Standard Guide for Reporting Uncertainty of Test Results and Use of the Term Measurement Uncertainty in ASTM Test Methods	2014	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E11.20, Test Method Evaluation and Quality Control	ASTM E2709-14e1, Standard Practice for Demonstrating Capability to Comply with an Acceptance Procedure	2014	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E11.20, Test Method Evaluation and Quality Control	ASTM E2782-17, Standard Guide for Measurement Systems Analysis (MSA)	2017	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E11.20, Test Method Evaluation and Quality Control	ASTM E2935-17, Standard Practice for Conducting Equivalence Testing in Laboratory Applications	2017	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E11.20, Test Method Evaluation and Quality Control	ASTM E691-18, Standard Practice for Conducting an Interlaboratory Study to Determine the Precision of a Test Method	2018	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E11.30, Statistical Quality Control	ASTM E1994-09(2018), Standard Practice for Use of Process Oriented AOQL and LTPD Sampling Plans	2018	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E11.30, Statistical Quality Control	ASTM E2234-09(2013), Standard Practice for Sampling a Stream of Product by Attributes Indexed by AQL	2013	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E11.30, Statistical Quality Control	ASTM E2281-15, Standard Practice for Process Capability and Performance Measurement	2015	Published	No

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WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E11.30, Statistical Quality Control	ASTM E2334-09(2018), Standard Practice for Setting an Upper Confidence Bound For a Fraction or Number of Non-Conforming items, or a Rate of Occurrence for Non-conformities, Using Attribute Data, When There is a Zero Response in the Sample	2018	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E11.30, Statistical Quality Control	ASTM E2587-16, Standard Practice for Use of Control Charts in Statistical Process Control	2016	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E11.30, Statistical Quality Control	ASTM E2762-10(2014), Standard Practice for Sampling a Stream of Product by Variables Indexed by AQL	2014	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E11.30, Statistical Quality Control	ASTM E2819-11(2015), Standard Practice for Single- and Multi-Level Continuous Sampling of a Stream of Product by Attributes Indexed by AQL	2015	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E11.30, Statistical Quality Control	ASTM E2910-12(2018), Standard Guide for Preferred Methods for Acceptance of Product	2018	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E11.30, Statistical Quality Control	ASTM E29-13, Standard Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications	2013	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E11.40, Reliability	ASTM E2555-07(2018), Standard Practice for Factors and Procedures for Applying the MIL-STD-105 Plans in Life and Reliability Inspection	2018	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E11.40, Reliability	ASTM E2696-09(2013), Standard Practice for Life and Reliability Testing Based on the Exponential Distribution	2013	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E11.40, Reliability	ASTM E3159-18, Standard Guide for General Reliability	2018	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E11.70, Editorial/Terminology	ASTM E456-13A(2017)e2, Standard Terminology Relating to Quality and Statistics	2017	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM E43.10, Standards	ASTM SI10-16, IEEE/ASTM SI 10 American National Standard for Metric Practice	2016	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM F37.70, Light Sport Aircraft - Cross Cutting	ASTM F2972-15, Standard Specification for Light Sport Aircraft Manufacturer's Quality Assurance System	2015	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM F38.01, Unmanned Aircraft Systems (UAS) - Airworthiness	ASTM F3003-14 Standard Specification for Quality Assurance of a Small Unmanned Aircraft System (sUAS)	2014	Published	Yes
WG1	Airworthiness	Quality Assurance/Quality Control	ASTM F39.04, Aircraft Systems - Aircraft Systems	ASTM WK51467, New Specification for Quality Assurance for Manufacturers of Aircraft Systems		(New) In Development	No
WG1	Airworthiness	Quality Assurance/Quality Control	ISO/IEC JTC 1/SC 7 Software and systems engineering	ISO/IEC/IEEE 90003:2018, Software engineering – Guidelines for the application of ISO 9001:2015 to computer software	2014	Published	No

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WG1	Airworthiness	Quality Assurance/Quality Control	ISO/TC 176/SC 2 Quality systems	ISO 9001:2015, Quality management systems – Requirements	2015	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	ISO/TC 176/SC 2 Quality systems	ISO 9004:2018, Quality management – Quality of an organization – Guidance to achieve sustained success	2018	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE AS-4UCS Unmanned Systems (UxS) Control Segment Architecture	SAE AS6522, Unmanned Systems (UxS) Control Segment (UCS) Architecture: Architecture Technical Governance	20-Dec-16	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE ARP9005A, Aerospace Guidance for Non-Deliverable Software	27-Jun-16	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE ARP9009A, Aerospace Contract Clauses	21-Jun-17	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE ARP9034A, A Process Standard for the Storage, Retrieval and Use of Three-Dimensional Type Design Data	21-Apr-15	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE ARP9090A, Requirements for Industry Standard e-Tool to Collaborate Quality Assurance Activities Among Customers and Suppliers	6-Feb-14	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE ARP9107A, Direct Delivery Authorization Guidance for Aerospace Companies	9-Nov-17	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE ARP9114A, Direct Ship Guidance for Aerospace Companies	6-Feb-14	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE ARP9134A, Supply Chain Risk Management Guideline	6-Feb-14	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE ARP9136, Aerospace Series - Root Cause Analysis and Problem Solving (9S Methodology)	8-Nov-16	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE ARP9137, Guidance for the Application of AQAP 2110 within a 9100 Quality Management System	6-May-10	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE AS9003A, Inspection and Test Quality Systems, Requirements for Aviation, Space, and Defense Organizations	31-Jul-12	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE AS9006A, Deliverable Aerospace Software Supplement for AS9100A, Quality Management Systems - Aerospace - Requirements for Software (based on AS9100A)	9-Jul-13	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE AS9017, Control of Aviation Critical Safety Items	17-Mar-17	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE AS9100D, Quality Management Systems - Requirements for Aviation, Space, and Defense Organizations	20-Sep-16	Published	No

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WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE AS9101F, Quality Management Systems - Audit Requirements for Aviation, Space, and Defense Organizations	31-Oct-16	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE AS9102B, Aerospace First Article Inspection Requirement	6-Oct-14	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE AS9103A, Aerospace Series - Quality Management Systems - Variation Management of Key Characteristics	16-Aug-12	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE AS9104/1, Requirements for Aviation, Space, and Defense Quality Management System Certification Programs	31-Jan-12	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE AS9104/2A, Requirements for Oversight of Aerospace Quality Management System Registration/Certification Programs	13-Jun-14	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE AS9104/3, Requirements for Aerospace Auditor Competency and Training Courses	29-Mar-07	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE AS9110C, Quality Management Systems – Requirements for Aviation Maintenance Organizations	4-Nov-16	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE AS9115A, Quality Management Systems - Requirements for Aviation, Space, and Defense Organizations - Deliverable Software(Supplement to 9100:2016)	1-Feb-17	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE AS9116, Aerospace Series - Notice of Change (NOC) Requirements	30-Oct-14	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE AS9117, Delegated Product Release Verification	29-Mar-16	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE AS9120B, Quality Management Systems – Requirements for Aviation, Space, and Defense Distributors	1-Nov-16	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE AS9131C, Aerospace Series - Quality Management Systems - Nonconformance Data Definition and Documentation	16-Aug-12	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE AS9132B, Data Matrix Quality Requirements for Parts Marking	19-May-15	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE AS9133A, Qualification Procedure for Aerospace Standard Products	20-Apr-16	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE AS9138, Aerospace Series - Quality Management Systems Statistical Product Acceptance Requirements	20-Jan-18	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE AS9145, Aerospace Series – Requirements for Advanced Product Quality Planning and Production Part Approval Process	8-Nov-16	Published	No

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WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE AS9146, Foreign Object Damage (FOD) Prevention Program - Requirements for Aviation, Space, and Defense Organizations	26-Apr-17	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE AS9162, Aerospace Operator Self-Verification Programs	8-Nov-16	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE ARP9137A, Guidance for the Application of AQAP 2110 within a 9100 Quality Management System		(New) In Development	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE AS9103B Aerospace Series - Quality Management Systems - Variation Management of Key Characteristics		(New) In Development	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE AS9104/1A, Requirements for Aviation, Space, and Defense Quality Management System Certification Programs		(New) In Development	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE AS9104/3A, Requirements for Aerospace Auditor Competency and Training Courses		(New) In Development	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE AS9131D, Aerospace Series - Quality Management Systems - Nonconformance Data Definition and Documentation		(New) In Development	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-14 Aerospace Quality	SAE AS9147, Unsalvageable Parts Initiative		(New) In Development	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19A Test Laboratory Standards Development	SAE AS6171/1, Suspect/Counterfeit Test Evaluation Method	30-Oct-16	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19A Test Laboratory Standards Development	SAE AS6171/10, Techniques for Suspect/Counterfeit EEE Parts Detection by Thermogravimetric Analysis (TGA) Test Methods	30-Oct-16	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19A Test Laboratory Standards Development	SAE AS6171/11, Techniques for Suspect/Counterfeit EEE Parts Detection by Design Recovery Test Methods	30-Oct-16	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19A Test Laboratory Standards Development	SAE AS6171/2A, Techniques for Suspect/Counterfeit EEE Parts Detection by External Visual Inspection, Remarking and Resurfacing, and Surface Texture Analysis Using SEM Test Methods	11-May-17	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19A Test Laboratory Standards Development	SAE AS6171/3, Techniques for Suspect/Counterfeit EEE Parts Detection by X-ray Fluorescence Test Methods	30-Oct-16	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19A Test Laboratory Standards Development	SAE AS6171/4, Techniques for Suspect/Counterfeit EEE Parts Detection by Delid/Decapsulation Physical Analysis Test Methods	30-Oct-16	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19A Test Laboratory Standards Development	SAE AS6171/5, Techniques for Suspect/Counterfeit EEE Parts Detection by Radiological Test Methods	30-Oct-16	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19A Test Laboratory Standards Development	SAE AS6171/6, Techniques for Suspect/Counterfeit EEE Parts Detection by Acoustic Microscopy (AM) Test Methods	30-Oct-16	Published	No

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WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19A Test Laboratory Standards Development	SAE AS6171/7, Techniques for Suspect/Counterfeit EEE Parts Detection by Electrical Test Methods	30-Oct-16	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19A Test Laboratory Standards Development	SAE AS6171/8, Techniques for Suspect/Counterfeit EEE Parts Detection by Raman Spectroscopy Test Methods	30-Oct-16	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19A Test Laboratory Standards Development	SAE AS6171/9, Techniques for Suspect/Counterfeit EEE Parts Detection by Fourier Transform Infrared Spectroscopy (FTIR) Test Methods	30-Oct-16	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19A Test Laboratory Standards Development	SAE AS6171A, Test Methods Standard: General Requirements, Suspect/Counterfeit, Electrical, Electronic, and Electromechanical Parts	18-Apr-18	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19A Test Laboratory Standards Development	SAE AS6810, Requirements for Accreditation Bodies when Accrediting Test Laboratories Performing Detection of Suspect/Counterfeit in Accordance with AS6171 General Requirements and the Associated Test Methods	16-May-18	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19A Test Laboratory Standards Development	SAE AS6171/12 TECHNIQUES FOR SUSPECT/COUNTERFEIT EEE PARTS DETECTION OF CAPACITORS BY ACOUSTIC MICROSCOPY (AM) TEST METHODS		(New) In Development	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19A Test Laboratory Standards Development	SAE AS6171/13 Technique for Suspect/Counterfeit EEE Parts Detection by Secondary Ion Mass Spectrometry (SIMS) Test Method		(New) In Development	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19A Test Laboratory Standards Development	SAE AS6171/14 TECHNIQUES FOR SUSPECT/COUNTERFEIT EEE PARTS DETECTION BY RADIATED ELECTROMAGNETIC EMISSION (REME) ANALYSIS TEST METHODS		(New) In Development	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19A Test Laboratory Standards Development	SAE AS6171/15 AS6171 TECHNIQUES FOR SUSPECT/COUNTERFEIT EEE PART PACKAGING DETECTION BY VARIOUS TEST METHODS		(New) In Development	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19A Test Laboratory Standards Development	SAE AS6171/16 Techniques for Suspect/Counterfeit EEE Parts Detection by Netlist Assurance Test Methods		(New) In Development	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19A Test Laboratory Standards Development	SAE AS6171/17 Technique for Suspect/Counterfeit EEE Parts Detection by Laser Scanning Microscopy (LSM) and Confocal Laser Scanning Microscopy (CLSM) Test Methods		(New) In Development	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19A Test Laboratory Standards Development	SAE AS6171/18 Techniques for Suspect/Counterfeit EEE Parts Detection by Thermomechanical Analysis (TMA) Test Methods		(New) In Development	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19A Test Laboratory Standards Development	SAE AS6171/19 Techniques for Suspect/Counterfeit EEE Parts Detection by Auger Electron Spectroscopy (AES) Test Method		(New) In Development	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19A Test Laboratory Standards Development	SAE AS6171/20 Techniques for Suspect/Counterfeit EEE Parts Detection by X-Ray Photoelectron Spectroscopy (XPS) Test Method		(New) In Development	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19A Test Laboratory Standards Development	SAE AS6171/21 Techniques for Suspect/Counterfeit EEE Parts Detection by Gas Chromatography/Mass Spectrometry (GC/MS) Test Methods		(New) In Development	No

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19A Test Laboratory Standards Development	SAE AS6171/22 Technique for Suspect/Counterfeit EEE Parts Detection by Scanning Electron Microscopy (SEM) including Energy Dispersive X-Ray Spectroscopy Test Methods		(New) In Development	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19A Test Laboratory Standards Development	SAE AS6171/23 Techniques for Suspect/Counterfeit EEE Assembly Detection by Various Test Methods		(New) In Development	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19A Test Laboratory Standards Development	SAE AS6171/4A Techniques for Suspect/Counterfeit EEE Parts Detection by Delid/Decapsulation Physical Analysis Test Methods		(New) In Development	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19A Test Laboratory Standards Development	SAE AS6171/6A Techniques for Suspect/Counterfeit EEE Parts Detection by Acoustic Microscopy (AM) Test Methods		(New) In Development	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19AD Authorized Distributor Committee	SAE AS6496, Fraudulent/Counterfeit Electronic Parts: Avoidance, Detection, Mitigation, and Disposition - Authorized/Franchised Distribution	20-Aug-14	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19C Standards Compliance Verification	SAE AS6301, Compliance Verification Criterion Standard for SAE AS6081, Fraudulent/Counterfeit Electronic Parts: Avoidance, Detection, Mitigation, and Disposition - Distributors	14-Jan-14	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19C Standards Compliance Verification	SAE AS6462A, AS5553A, Fraudulent/Counterfeit Electronic Parts: Avoidance, Detection, Mitigation, and Disposition Verification Criteria	26-Aug-14	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19C Standards Compliance Verification	SAE AS6462B AS5553A, Fraudulent/Counterfeit Electronic Parts; Avoidance, Detection, Mitigation, and Disposition Verification Criteria		(New) In Development	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19CI Continuous Improvement	SAE AIR6860, Use of AS5553 for Implementation of Defense Federal Acquisition Regulation Supplement 252-246-7007	28-Sep-16	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19CI Continuous Improvement	SAE ARP6328, Guideline for Development of Counterfeit Electronic Parts: Avoidance, Detection, Mitigation, and Disposition Systems	12-Sep-16	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19CI Continuous Improvement	SAE AS5553B, Counterfeit Electrical, Electronic, and Electromechanical (EEE) Parts; Avoidance, Detection, Mitigation, and Disposition	12-Sep-16	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19CI Continuous Improvement	SAE AS5553C Counterfeit Electrical, Electronic, and Electromechanical (EEE) Parts; Avoidance, Detection, Mitigation, and Disposition		Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19CI Continuous Improvement	SAE ARP6328A Guideline for Development of Counterfeit Electronic Parts; Avoidance, Detection, Mitigation, and Disposition Systems		(New) In Development	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19D Distributor	SAE AS6081, Fraudulent/Counterfeit Electronic Parts: Avoidance, Detection, Mitigation, and Disposition - DistributorsCounterfeit Electronic Parts: Avoidance Protocol, Distributors	7-Nov-12	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19D Distributor	SAE AS6081A Fraudulent/Counterfeit Electronic Parts: Avoidance, Detection, Mitigation, and Disposition - DistributorsCounterfeit Electronic Parts: Avoidance Protocol, Distributors		(New) In Development	No

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19DR Distributor Risk Characterization	SAE ARP6178, Fraudulent/Counterfeit Electronic Parts; Tool for Risk Assessment of Distributors	19-Dec-11	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-19T Terms and Definitions	SAE AIR6273 Terms, Definitions, and Acronyms - Counterfeit Materiel or Electrical, Electronic and Electromechanical Parts		(New) In Development	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-21 Counterfeit Materiel	SAE AS6174/1, Compliance Verification Matrix (VM) Slash Sheet for SAE AS6174A, Counterfeit Materiel; Assuring Acquisition of Authentic and Conforming Materiel	11-Apr-17	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-21 Counterfeit Materiel	SAE AS6174/2, Counterfeit Materiel; Assuring Acquisition of Authentic and Conforming Materiel –Fasteners Slash Sheet	17-May-16	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-21 Counterfeit Materiel	SAE AS6174A, Counterfeit Materiel; Assuring Acquisition of Authentic and Conforming Materiel	29-Jul-14	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE G-21 Counterfeit Materiel	SAE AS6174/3 Counterfeit Materiel; Assuring Acquisition of Authentic and Conforming Materiel - Bearings Slash Sheet		(New) In Development	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE S-18 Aircraft and Sys Dev and Safety Assessment	ARP5150, Safety Assessment of Transport Airplanes in Commercial Service	9-May-13	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE S-18 Aircraft and Sys Dev and Safety Assessment	ARP5151, Safety Assessment of General Aviation Airplanes and Rotorcraft in Commercial Service	9-May-13	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE S-18 Aircraft and Sys Dev and Safety Assessment	SAE AIR6110, Contiguous Aircraft/System Development Process Example	16-Dec-11	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE S-18 Aircraft and Sys Dev and Safety Assessment	SAE AIR6218, Constructing Development Assurance Plan for Integrated Systems	5-Sep-12	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE S-18 Aircraft and Sys Dev and Safety Assessment	SAE ARP1834B, Fault/Failure Analysis for Digital Systems and Equipment	14-Feb-18	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE S-18 Aircraft and Sys Dev and Safety Assessment	SAE ARP5150, Safety Assessment of Transport Airplanes in Commercial Service	9-May-13	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE S-18 Aircraft and Sys Dev and Safety Assessment	SAE ARP926C, Fault/Failure Analysis Procedure	14-Feb-18	Published	No
WG1	Airworthiness	Quality Assurance/Quality Control	SAE S-18 Aircraft and Sys Dev and Safety Assessment	SAE AIR6276, USE OF MODELING AND TOOLS FOR AIRCRAFT SYSTEMS DEVELOPMENT – A STRATEGY FOR DEVELOPMENT ASSURANCE ASPECTS WITH EXAMPLES		(New) In Development	No
WG1	Airworthiness	Avionics and Subsystems	ASTM F39.03, Aircraft Systems - Design of Avionics Systems	ASTM F3011-13, Standard Specification for Performance of Angle of Attack System	2013	Published	No
WG1	Airworthiness	Avionics and Subsystems	ASTM F39.03, Aircraft Systems - Design of Avionics Systems	ASTM F3153-15, Standard Specification for Verification of Avionics Systems	2015	Published	No
WG1	Airworthiness	Avionics and Subsystems	ASTM F39.03, Aircraft Systems - Design of Avionics Systems	ASTM WK47489, New Specification for Design, Performance and Manufacturing of Automatic Pilot System		(New) In Development	No

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG1	Airworthiness	Avionics and Subsystems	ASTM F44.30, General Aviation - Structures	ASTM WK57818, New Practice for Aircraft Systems and Structures Interaction		(New) In Development	No
WG1	Airworthiness	Avionics and Subsystems	SAE A-4 EFIS	SAE AS6296, Electronic Flight Instrument System (EFIS) Displays	8-Jul-05	Published	No
WG1	Airworthiness	Avionics and Subsystems	SAE A-4 Underwater Locator Device	SAE AS6254A, Minimum Performance Standard for Low Frequency Underwater Locating Devices (Acoustic) (Self-Powered)	2015	Published	No
WG1	Airworthiness	Avionics and Subsystems	SAE A-4 Underwater Locator Device	SAE AS8045A, Minimum Performance Standard for Underwater Locating Devices (Acoustic) (Self-Powered)	2011	Published	No
WG1	Airworthiness	Avionics and Subsystems	SAE A-4ED Electronics Display	SAE AS8034C, Minimum Performance Standard for Airborne Multipurpose Electronic Displays	2018	Published	No
WG1	Airworthiness	Avionics and Subsystems	SAE ARINC	ARINC677, Installation Standards for Low Frequency Underwater Locator Beacon (LF-ULB)	15-Jul-15	Published	No
WG1	Airworthiness	Avionics and Subsystems	SAE ARINC	ARINC718A-4, Mark 4 Air Traffic Control Transponder (ATCRBS/Mode S)	1-Dec-11	Published	No
WG1	Airworthiness	Avionics and Subsystems	SAE ARINC	ARINC735B-2, Traffic Computer TCAS and ADS-B Functionality	6-Aug-15	Published	No
WG1	Airworthiness	Avionics and Subsystems	SAE G10J Charting Committee	SAE ARP5621, Electronic Display of Aeronautical Information (Charts)	3-Jul-05	Published	No
WG1	Airworthiness	Avionics and Subsystems: Command and Control (C2) Link	ASTM F38.01, Unmanned Aircraft Systems (UAS) - Airworthiness	ASTM F3002-14a, Standard Specification for Design of the Command and Control System for Small Unmanned Aircraft Systems (sUAS)	2014	Published	Yes
WG1	Airworthiness	Avionics and Subsystems: Command and Control (C2) Link	ASTM F38.01, Unmanned Aircraft Systems (UAS) - Airworthiness	ASTM WK49440, Revision of F3002 - 14a Standard Specification for Design of the Command and Control System for Small Unmanned Aircraft Systems (sUAS)		(Revision) In Development	Yes
WG1	Airworthiness	Avionics and Subsystems: Command and Control (C2) Link	JARUS WG5 - Command, Control, & Communications	JARUS, Recommendations on the Use of Controller Pilot Data Link Communications (CPDLC) in the RPAS Communications Context. The Controller Pilot Data Link Communications document is meant to summarize the most relevant information about CPDLC and the supported ATS services, and to associate them with RPAS operations.	Jun-16	Published	Yes
WG1	Airworthiness	Avionics and Subsystems: Command and Control (C2) Link	JARUS WG5 - Command, Control, & Communications	JARUS, RPAS C2 Link, Required Communication Performance (C2 link RCP) concept. Guidance material to explain the concept of C2 link RCP and identify the requirements applicable to the provision of C2 communications.(SEE UPGRADED C2 Link RLP document JAR-doc-13)	Oct-14	Published	Yes
WG1	Airworthiness	Avionics and Subsystems: Command and Control (C2) Link	JARUS WG5, Command, Control, & Communications	JARUS, RPAS "Required C2 Performance" (RLP) concept. RCP acronym has been modified to RLP to avoid confusion between current RCP supporting ATM functions and the required C2 Link performance in support of the command and control functions.	May-16	Published	Yes
WG1	Airworthiness	Avionics and Subsystems: Command and Control (C2) Link	JARUS WG5, Command, Control, & Communications	JARUS, RPAS C2 Link CONOPS. This document is focusing on the C2 Link. It includes a large section on the Aeronautical Information (AIS) and Meteorological Information (MET) that are needed from an aircraft (RPA) perspective when operating in airspace using the C2 Link.		(New) In Development	Yes

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG1	Airworthiness	Avionics and Subsystems: Command and Control (C2) Link	RTCA SC-228, Minimal Operational Performance Standards for Unmanned Aircraft Systems	RTCA AWP-2, Command and Control (C2) Data Link White Paper	Mar-14	Published	Yes
WG1	Airworthiness	Avionics and Subsystems: Command and Control (C2) Link	RTCA SC-228, Minimal Operational Performance Standards for Unmanned Aircraft Systems	RTCA AWP-4, Command and Control (C2) Data Link White Paper Phase 2	Sep-17	Published	Yes
WG1	Airworthiness	Avionics and Subsystems: Command and Control (C2) Link	RTCA SC-228, Minimal Operational Performance Standards for Unmanned Aircraft Systems	RTCA DO-362, Command and Control (C2) Data Link Minimum Operational Performance Standard (MOPS) (Terrestrial)	Sep-16	Published	Yes
WG1	Airworthiness	Avionics and Subsystems: Command and Control (C2) Link	RTCA SC-228, Minimal Operational Performance Standards for Unmanned Aircraft Systems	RTCA, Command and Control Data Link Minimum Aviation Systems Performance Standard (MASPS)		New (In Development)	Yes
WG1	Airworthiness	Avionics and Subsystems: Navigational Systems	RTCA SC-159, Navigation Equipment Using the Global Navigation Satellite System (GNSS)	RTCA DO-229, Minimum Operational Performance Standards for Global Positioning System/Wide Area Augmentation System Airborne Equipment	2001	Published	No
WG1	Airworthiness	Avionics and Subsystems: Navigational Systems	RTCA SC-159, Navigation Equipment Using the Global Navigation Satellite System (GNSS)	RTCA DO-316, Minimum Operational Performance Standards for Global Positioning System/Aircraft Base Augmentation System	2009	Published	No
WG1	Airworthiness	Avionics and Subsystems: Navigational Systems	SAE PNT Position, Navigation, and Timing	SAE 6857, Requirements for a Terrestrial Based Position, Navigation, and Timing (PNT) System to Improve Navigation Solutions and Ensure Critical Infrastructure Security	2018	Published	No
WG1	Airworthiness	Avionics and Subsystems: Navigational Systems	SAE PNT Position, Navigation, and Timing	SAE 6856, Improving Navigation Solutions Using Raw Measurements from Global Navigation Satellite System (GNSS) Receivers		(New) In Development	No
WG1	Airworthiness	Avionics and Subsystems: Navigational Systems	TIA	TIA-1008, IP over Satellite (IPoS) (Revision B)	May-12	Published	No
WG1	Airworthiness	Avionics and Subsystems: Navigational Systems	TIA	TIA-1073.000, Satellite Network Modem System (SNMS) General Requirements	Oct-05	Published	No
WG1	Airworthiness	Avionics and Subsystems: Navigational Systems	TIA	TIA-1073.001, Satellite Network System (SNMS) Network Layer Standard	Jun-06	Published	No
WG1	Airworthiness	Avionics and Subsystems: Navigational Systems	TIA	TIA-1073.002, Satellite Network Modem System (SNMS) Encryption Requirements	Jul-06	Published	No
WG1	Airworthiness	Avionics and Subsystems: Navigational Systems	TIA	TIA-5041, Future Advanced SATCOM Technologies (FAST) Open Standard Digital- If Interface (OSDI) for SATCOM Systems	20-Apr-16	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	AIAA American Institute of Aeronautics and Astronautics	ANSI/AIAA G-043B-2018, Guide to the Preparation of Operational Concept Documents	2018	Published	No

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	AIAA Atmospheric and Space Environment	AIAA S-117A-2016, Space Systems Verification Program and Management Process	2016	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	AIAA Atmospheric and Space Environment	ANSI/AIAA S-102.2.4-2015, Performance-Based Product Failure Mode, Effects and Criticality Analysis (FMECA) Requirements	2015	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	AIAA Atmospheric and Space Environment	ANSI/AIAA S-102.2.4-2015, Performance-Based Product Failure Mode, Effects and Criticality Analysis Requirements	2015	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	AIAA Performance-Based Reliability & Maintainability Standards	AIAA S-102.2.5-2009, Performance-Based Sneak Circuit Analysis (SCA) Requirements	2009	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	AIAA Performance-Based Reliability & Maintainability Standards	ANSI/AIAA S-102.1.4-2009, Performance-Based Failure Reporting, Analysis & Corrective Action System Requirements	2009	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	AIAA Performance-Based Reliability & Maintainability Standards	ANSI/AIAA S-102.1.5-2009, Performance-Based Failure Review Board (FRB) Requirements	2009	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	AIAA Performance-Based Reliability & Maintainability Standards	ANSI/AIAA S-102.2.11-2009, Performance-Based Anomaly Detection and Response Analysis	2009	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	AIAA Performance-Based Reliability & Maintainability Standards	ANSI/AIAA S-102.2.18-2009, Performance-Based Fault Tree Analysis Requirements	2009	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	AIAA Performance-Based Reliability & Maintainability Standards	ANSI/AIAA S-102.2.18-2009, Performance-Based Fault Tree Analysis Requirements	2009	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	AIAA Performance-Based Reliability & Maintainability Standards	ANSI/AIAA S-102.2.2-2009, Performance-Based System Reliability Modeling Requirements	2009	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	AIAA Software Systems	AIAA G-010-1993, Guide: Reusable Software: Assessment Criteria for Aerospace Applications	1993	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	AIAA Systems CoS	AIAA G-118-2006, Guide: Managing the Use of Commercial Off the Shelf (COTS) Software Components for Mission-Critical Systems	2006	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	AIAA UAV/ROA	AIAA R-103-2004, Terminology for Unmanned Aerial Vehicles and Remotely Operated Aircraft	2004	Published	Yes
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	ASTM F38.01, Unmanned Aircraft Systems (UAS) - Airworthiness	ASTM WK62668, Specification for Detect and Avoid Performance Requirements		(New) In Development	Yes
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	ASTM F38.01, Unmanned Aircraft Systems (UAS) - Airworthiness	ASTM WK62669, Test Method for Detect and Avoid		(New) In Development	Yes
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	JARUS WG4 - Detect & Avoid	JARUS Detect and Avoid CONOPS for VLL operations. It is intended to allow for further developments and elaboration of the operational concept for UAS at VLL		(New) In Development	Yes

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	JARUS WG4 - Detect & Avoid	JARUS Detect and Avoid. This document describes the methods to derive design objectives for DAA systems based on airspace requirements.		(New) In Development	Yes
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	RTCA SC-180	RTCA DO-254, Design Assurance Guidance for Airborne Electronic Hardware (AEH)	Apr-00	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	RTCA SC-186, Automatic Dependent Surveillance-Broadcast (ADS-B)	RTCA DO-289, Minimum Aviation System Performance Standards for Aircraft Surveillance Applications, December 13, 2006	Dec-06	Published	Yes
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	RTCA SC-209, ATCRBS/Mode S Transponder	RTCA DO-181E, Minimum Operational Performance Standards for Air Traffic Control Radar Beacon System/Mode Select (ATCRBS/Mode S) Airborne Equipment, Section 2 as amended by Appendix 2 of the TSO-112e dated September 16, 2013	Mar-11	Published	Yes
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	RTCA SC-228, Minimal Operational Performance Standards for Unmanned Aircraft Systems	RTCA AWP-1, Detect and Avoid (DAA) White Paper	Mar-14	Published	Yes
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	RTCA SC-228, Minimal Operational Performance Standards for Unmanned Aircraft Systems	RTCA AWP-3, Detect and Avoid (DAA) White Paper Phase 2	Sep-17	Published	Yes
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	RTCA SC-228, Minimal Operational Performance Standards for Unmanned Aircraft Systems	RTCA DO-365, Minimum Operational Performance Standards (MOPS) for Detect and Avoid (DAA) Systems	May-17	Published	Yes
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	RTCA SC-228, Minimal Operational Performance Standards for Unmanned Aircraft Systems	RTCA DO-366, Minimum Operational Performance Standards (MOPS) for Air-to-Air Radar for Traffic Surveillance	May-17	Published	Yes
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	RTCA SC-231, Terrain Awareness and Warning System (TAWS)	RTCA DO-367, Minimum Operational Performance Standards (MOPS) for Terrain Awareness and Warning Systems (TAWS) Airborne Equipment	May-17	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE A-6 Aerospace Actuation, Control and Fluid Power Systems	SAE ARP94910, Aerospace - Vehicle Management Systems - Flight Control Design, Installation and Test of, Military Unmanned Aircraft, Specification Guide For	29-Dec-12	Published	Yes
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE A-6A3 Flight Control and Vehicle Management Systems	SAE ARP5007A, Development Process - Aerospace Fly-By-Wire Actuation System	26-Apr-12	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE ARINC	ARINC 400 Series describes guidelines for installation, wiring, data buses, and databases.	(various)	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE ARINC	ARINC 500 Series describes older analog avionics equipment used on early jet aircraft such as the Boeing 727, Douglas DC-9, DC-10, Boeing 737 and 747, and Airbus A300.	(various)	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE ARINC	ARINC 600 Series are reference standards for avionics equipment specified by the SAE ARINC 700 Series.	(various)	Published	No

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE ARINC	ARINC 700 Series describes the form, fit, and function of avionics equipment installed predominately on transport category aircraft.	(various)	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE ARINC	ARINC 800 Series comprises a set of aviation standards for aircraft, including fiber optics used in high-speed data buses.	(various)	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE AS-4JAUS Joint Architecture for Unamnned Systems	SAE AIR5645A, JAUS Transport Considerations	5-Sep-14	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE AS-4JAUS Joint Architecture for Unamnned Systems	SAE AIR5664A, JAUS History and Domain Model	16-Aug-12	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE AS-4JAUS Joint Architecture for Unamnned Systems	SAE AIR5665B, Architecture Framework for Unmanned Systems	5-Feb-13	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE AS-4JAUS Joint Architecture for Unamnned Systems	SAE ARP6012A, JAUS Compliance and Interoperability Policy	5-Sep-14	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE AS-4JAUS Joint Architecture for Unamnned Systems	SAE ARP6128, Unmanned Systems Terminology Based on the ALFUS Framework	15-Mar-13	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE AS-4JAUS Joint Architecture for Unamnned Systems	SAE AS5669A, JAUS/SDP Transport Specification	5-Aug-14	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE AS-4JAUS Joint Architecture for Unamnned Systems	SAE AS6062A, JAUS Mission Spooling Service Set	24-Apr-15	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE AS-4JAUS Joint Architecture for Unamnned Systems	SAE AS6091, JAUS Unmanned Ground Vehicle Service Set	29-Jul-14	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE AS-4JAUS Joint Architecture for Unamnned Systems	SAE AS6111, JAUS Unmanned Maritime Vehicle Service Set		(New) In Development	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE AS-4JAUS Joint Architecture for Unamnned Systems	SAE AS8024, JAUS Autonomous Behaviors Service Set		(New) In Development	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE AS-4UCS Unmanned Systems (UxS) Control Segment Architecture	SAE AIR6514-2016, UxS Control Segment (UCS) Architecture: Interface Control Document (ICD)	20-Dec-16	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE DSRC (Dedicated Short Range Communication Tech Cmte)	SAE J2735_201603, Dedicated Short Range Communications (DSRC) Message Set Dictionary	8-Jul-05	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE DSRC (Dedicated Short Range Communication Tech Cmte)	SAE J2945/10, Recommended Practices for MAP/SPaT Message Development		(New) In Development	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE DSRC (Dedicated Short Range Communication Tech Cmte)	SAE J2945/11, Recommended Practices for Signal Preemption Message Development		(New) In Development	No

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE DSRC (Dedicated Short Range Communication Tech Cmte)	SAE J2945/12, Traffic Probe Use and Operation		(New) In Development	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE DSRC (Dedicated Short Range Communication Tech Cmte)	SAE J2945/2, DSRC Requirements for V2V Safety Awareness		(New) In Development	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE DSRC (Dedicated Short Range Communication Tech Cmte)	SAE J2945/3, Requirements for V2I Weather Applications		(New) In Development	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE DSRC (Dedicated Short Range Communication Tech Cmte)	SAE J2945/4, DSRC Messages for Traveler Information and Basic Information Delivery		(New) In Development	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE DSRC (Dedicated Short Range Communication Tech Cmte)	SAE J2945/5, Service Specific Permissions and Security Guidelines for Connected Vehicle Applications		(New) In Development	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE DSRC (Dedicated Short Range Communication Tech Cmte)	SAE J2945/6, Performance Requirements for Cooperative Adaptive Cruise Control and Platooning		(New) In Development	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE Ground Vehicle Reliability	SAE J2940_201111, Use of Model Verification and Validation in Product Reliability and Confidence Assessments	16-Nov-11	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE Ground Vehicle Reliability	SAE J2958, Report on Unmanned Ground Vehicle Reliability	21-Dec-11	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE Ground Vehicle Reliability	SAE J2924, Engineering Probabilistic Methods - Basic Concepts, Models and Approximate Methods for Probabilistic Engineering Analysis		(New) In Development	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE Ground Vehicle Reliability	SAE J2925, System Reliability and Integration		(New) In Development	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE On-Road Automated Driving (ORAD)	SAE J3016_201806, Taxonomy and Definitions for Terms Related to Driving Automation Systems for On-Road Motor Vehicles	15-Jun-18	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE On-Road Automated Driving (ORAD)	SAE J3018_201503, Guidelines for Safe On-Road Testing of SAE Level 3, 4, and 5 Prototype Automated Driving Systems (ADS)	13-Mar-15	Published	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE On-Road Automated Driving (ORAD)	SAE J3092, Dynamic Test Procedures for Verification & Validation of Automated Driving Systems (ADS)		(New) In Development	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE On-Road Automated Driving (ORAD)	SAE J3131, Automated Driving Reference Architecture		(New) In Development	No
WG1	Airworthiness	Avionics and Subsystems: Detect and Avoid Systems	SAE On-Road Automated Driving (ORAD)	SAE J3164, Taxonomy and Definitions for Terms Related to Automated Driving System Behaviors and Maneuvers for On-Road Motor Vehicles		(New) In Development	No
WG1	Airworthiness	Avionics and Subsystems: Software Dependability and Approval	ASTM F38.01, Unmanned Aircraft Systems (UAS) - Airworthiness	ASTM F3201-16, Standard Practice for Ensuring Dependability of Software Used in Unmanned Aircraft Systems (UAS)	2016	Published	Yes

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG1	Airworthiness	Avionics and Subsystems: Software Dependability and Approval	ASTM F38.01, Unmanned Aircraft Systems (UAS) - Airworthiness	ASTM WK65056, Revision of F3269 - 17 Standard Practice for Methods to Safely Bound Flight Behavior of Unmanned Aircraft Systems Containing Complex Functions		(Revision) In Development	Yes
WG1	Airworthiness	Avionics and Subsystems: Software Dependability and Approval	RTCA SC-205, Software Considerations in Aeronautical Systems	RTCA DO-178C, Software Considerations in Airborne Systems and Equipment Certification	13-Dec-11	Published	No
WG1	Airworthiness	Avionics and Subsystems: Software Dependability and Approval	RTCA SC-205, Software Considerations in Aeronautical Systems	RTCA DO-248C, Supporting Information for DO-178C and DO-278A	13-Dec-11	Published	No
WG1	Airworthiness	Avionics and Subsystems: Software Dependability and Approval	RTCA SC-205, Software Considerations in Aeronautical Systems	RTCA DO-330, Software Tool Qualification Considerations	13-Dec-11	Published	No
WG1	Airworthiness	Avionics and Subsystems: Software Dependability and Approval	RTCA SC-205, Software Considerations in Aeronautical Systems	RTCA DO-331, Model-Based Development and Verification Supplement to DO-178C and DO-278A	13-Dec-11	Published	No
WG1	Airworthiness	Avionics and Subsystems: Software Dependability and Approval	RTCA SC-205, Software Considerations in Aeronautical Systems	RTCA DO-332, Object Oriented Technology and Related Techniques Supplement to DO-178C and DO-278A	13-Dec-11	Published	No
WG1	Airworthiness	Avionics and Subsystems: Software Dependability and Approval	RTCA SC-205, Software Considerations in Aeronautical Systems	RTCA DO-333, Formal Methods Supplement to DO-178C and DO-278A	13-Dec-11	Published	No
WG1	Airworthiness	Avionics and Subsystems: Software Dependability and Approval	SAE ARINC	ARINC 667-2, Guidance for the Management of Field Loadable Software	1-Jul-17	Published	No
WG1	Airworthiness	Avionics and Subsystems: Software Dependability and Approval	SAE ARINC	SAE ARIR675, Guidance for the Management of Aircraft Support Data	26-Jun-17	Published	No
WG1	Airworthiness	Avionics and Subsystems: Software Dependability and Approval	SAE AS-4UCS Unmanned Systems (UxS) Control Segment Architecture	SAE AS6518, Unmanned Systems (UxS) Control Segment (UCS) Architecture: UCS Architecture Model	20-Dec-16	Published	No
WG1	Airworthiness	Avionics and Subsystems: Crash Protected Airborne Recorder Systems (CPARS)	EUROCAE	EUROCAE ED-112A, Minimum Operational Performance Specification (MOPS) for Crash Protected Airborne Recorder Systems	Sep-13	Published	No

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG1	Airworthiness	Avionics and Subsystems: Crash Protected Airborne Recorder Systems (CPARS)	EUROCAE	EUROCAE ED-155, Minimum Operational Performance Specification (MOPS) for Lightweight Flight Recording System	Jul-09	Published	No
WG1	Airworthiness	Avionics and Subsystems: Crash Protected Airborne Recorder Systems (CPARS)	SAE A-4 Aircraft Instruments	SAE AS8039A, Minimum Performance Standard General Aviation Flight Recorder	Feb-08	Published	No
WG1	Airworthiness	Avionics and Subsystems: Crash Protected Airborne Recorder Systems (CPARS)	SAE Event Data Recorder	SAE J1698_201703, Event Data Recorder	Mar-17	Published	No
WG1	Airworthiness	Avionics and Subsystems: Crash Protected Airborne Recorder Systems (CPARS)	SAE Industry Technologies Consortia	SAE ARIC757-6, Cockpit Voice Recorder (CVR)	Aug-15	Published	No
WG1	Airworthiness	Avionics and Subsystems: Crash Protected Airborne Recorder Systems (CPARS)	SAE Industry Technologies Consortia	SAE ARIC767-1, Enhanced Airborne Flight Recorder	May-17	Published	No
WG1	Airworthiness	Avionics and Subsystems: Crash Protected Airborne Recorder Systems (CPARS)	SAE Industry Technologies Consortia	SAE ARIS647A-1ERR1, Flight Recorder Electronic Documentation (FRED)	Jul-09	Published	No
WG1	Airworthiness	Avionics and subsystems: Cybersecurity	ASTM F44.50, General Aviation - Systems and Equipment	ASTM WK56374, New Practice for Aircraft Systems Information Security Protection		(New) In Development	No
WG1	Airworthiness	Avionics and subsystems: Cybersecurity	ISO/TC 215 Health informatics	ISO 80001, Application of risk management for IT-networks incorporating medical devices	2010	Published	No
WG1	Airworthiness	Avionics and subsystems: Cybersecurity	RTCA SC-216, Aeronautical Systems Security	RTCA DO-326, Airworthiness Security Process Specification	2010	Published	No
WG1	Airworthiness	Avionics and subsystems: Cybersecurity	RTCA SC-216, Aeronautical Systems Security	RTCA DO-355, Information Security Guidance for Continued Airworthiness	2014	Published	No
WG1	Airworthiness	Avionics and subsystems: Cybersecurity	RTCA SC-216, Aeronautical Systems Security	RTCA DO-356, Airworthiness Security Methods and Considerations	2014	Published	No
WG1	Airworthiness	Avionics and subsystems: Cybersecurity	SAE AS-4UCS Unmanned Systems (UxS) Control Segment Architecture	SAE AS6969, Data Dictionary for Quantities Used in Cyber Physical Systems	10-Jul-05	Published	No

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG1	Airworthiness	Avionics and subsystems: Cybersecurity	SAE Vehicle Cybersecurity Systems Engineering Committee	SAE J3061_201601 Cybersecurity Guidebook for Cyber-Physical Vehicle Systems	14-Jan-16	Published	No
WG1	Airworthiness	Avionics and subsystems: Cybersecurity	SAE Vehicle Cybersecurity Systems Engineering Committee	SAE J3061_201601, Cybersecurity Guidebook for Cyber-Physical Vehicle Systems		(New) In Development	No
WG1	Airworthiness	Avionics and subsystems: Cybersecurity	SAE Vehicle Cybersecurity Systems Engineering Committee	SAE J3061-1 Automotive Cybersecurity Integrity Level (ACsIL)		(New) In Development	No
WG1	Airworthiness	Avionics and subsystems: Cybersecurity	SAE Vehicle Cybersecurity Systems Engineering Committee	SAE J3061-2 Security Testing Methods		(New) In Development	No
WG1	Airworthiness	Avionics and subsystems: Cybersecurity	SAE Vehicle Cybersecurity Systems Engineering Committee	SAE J3061-3 Security Testing Tools		(New) In Development	No
WG1	Airworthiness	Avionics and subsystems: Cybersecurity	UL	UL 2900-1, Software Cybersecurity for Network Connectable Products, Part 1: General Requirements	2017	Published	No
WG1	Airworthiness	Electrical Systems	ASTM F37.20, Light Sport Aircraft - Airplane	ASTM F2840-14, Standard Practice for Design and Manufacture of Electric Propulsion Units for Light Sport Aircraft	2014	Published	No
WG1	Airworthiness	Electrical Systems	ASTM F39.01, Aircraft Systems - Design, Alteration, and Certification of Electrical Systems	ASTM F2490-05(2013), Standard Guide for Aircraft Electrical Load and Power Source Capacity Analysis	2013	Published	No
WG1	Airworthiness	Electrical Systems	ASTM F39.01, Aircraft Systems - Design, Alteration, and Certification of Electrical Systems	ASTM F2639-15, Standard Practice for Design, Alteration, and Certification of Aircraft Electrical Wiring Systems	2015	Published	No
WG1	Airworthiness	Electrical Systems	ASTM F39.04, Aircraft Systems	ASTM F3238-17, Standard Specification for Design and Installation of an Infrared (IR) Searchlight System (USA)	2017	Published	No
WG1	Airworthiness	Electrical Systems	ASTM F39.04, Aircraft Systems	ASTM WK44921, New Practice for Continued Airworthiness of IR Filter System Installation		(New) In Development	No
WG1	Airworthiness	Electrical Systems	ASTM F39.04, Aircraft Systems	ASTM WK44922, New Practice for the Operational Use of IR Filter Systems		(New) In Development	No
WG1	Airworthiness	Electrical Systems	Design, Alteration, and Certification of Electric Propulsion Systems	ASTM WK47374, New Specification for Design and Manufacture of Electric Propulsion Units for General Aviation Aircraft (Aeroplanes)		(New) In Development	No
WG1	Airworthiness	Electrical Systems	Design, Alteration, and Certification of Electric Propulsion Systems	ASTM WK56255, New Specification for Design of Electric Propulsion Energy Storage Systems for General Aviation Aircraft		(New) In Development	No
WG1	Airworthiness	Electrical Systems	ASTM F44.50, General Aviation - Systems and Equipment	ASTM F3061/F3061M-17, Standard Specification for Systems and Equipment in Small Aircraft	2017	Published	No
WG1	Airworthiness	Electrical Systems	ASTM F44.50, General Aviation - Systems and Equipment	ASTM F3227/F3227M-17, Standard Specification for Environmental Systems in Small Aircraft	2017	Published	No

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG1	Airworthiness	Electrical Systems	ASTM F44.50, General Aviation - Systems and Equipment	ASTM F3228-17, Standard Specification for Flight Data and Voice Recording in Small Aircraft	2017	Published	No
WG1	Airworthiness	Electrical Systems	ASTM F44.50, General Aviation - Systems and Equipment	ASTM F3229/F3229M-17, Standard Practice for Static Pressure System Tests in Small Aircraft	2017	Published	No
WG1	Airworthiness	Electrical Systems	ASTM F44.50, General Aviation - Systems and Equipment	ASTM F3230-17, Standard Practice for Safety Assessment of Systems and Equipment in Small Aircraft	2017	Published	No
WG1	Airworthiness	Electrical Systems	ASTM F44.50, General Aviation - Systems and Equipment	ASTM F3231/F3231M-17, Standard Specification for Electrical Systems in Small Aircraft	2017	Published	No
WG1	Airworthiness	Electrical Systems	ASTM F44.50, General Aviation - Systems and Equipment	ASTM F3232/F3232M-17, Standard Specification for Flight Controls in Small Aircraft	2017	Published	No
WG1	Airworthiness	Electrical Systems	ASTM F44.50, General Aviation - Systems and Equipment	ASTM F3233/F3233M-17, Standard Specification for Instrumentation in Small Aircraft	2017	Published	No
WG1	Airworthiness	Electrical Systems	ASTM F44.50, General Aviation - Systems and Equipment	ASTM F3234/F3234M-17, Standard Specification for Exterior Lighting in Small Aircraft	2017	Published	No
WG1	Airworthiness	Electrical Systems	ASTM F44.50, General Aviation - Systems and Equipment	ASTM F3236-17, Standard Specification for High Intensity Radiated Field (HIRF) Protection in Small Aircraft	2017	Published	No
WG1	Airworthiness	Electrical Systems	ASTM F44.50, General Aviation - Systems and Equipment	ASTM F3309/F3309M-18, Standard Practice for Simplified Safety Assessment of Systems and Equipment in Small Aircraft	2018	Published	No
WG1	Airworthiness	Electrical Systems	ASTM F44.50, General Aviation - Systems and Equipment	ASTM F3316/F3316M-18, Standard Specification for Electrical Systems for Aircraft with Electric or Hybrid-Electric Propulsion	2018	Published	No
WG1	Airworthiness	Electrical Systems	ASTM F44.50, General Aviation - Systems and Equipment	ASTM WK52829, New Practice for Simplified Safety Analysis of Systems & Equipment in Small Aircraft		(New) In Development	No
WG1	Airworthiness	Electrical Systems	ASTM F44.50, General Aviation - Systems and Equipment	ASTM WK55940, New Terminology for Boundary layer control systems in aerial vehicles		(New) In Development	No
WG1	Airworthiness	Electrical Systems	ASTM F44.50, General Aviation - Systems and Equipment	ASTM WK58700, New Specification for Electrical Systems for Aircraft with Electric or Hybrid-Electric Propulsion		(New) In Development	No
WG1	Airworthiness	Electrical Systems	ASTM F44.50, General Aviation - Systems and Equipment	ASTM WK60748, New Guide for Application of Systems-Theoretic Process Analysis to Aircraft		(New) In Development	No
WG1	Airworthiness	Electrical Systems	ASTM F44.50, General Aviation - Systems and Equipment	ASTM WK61549, New Specification for Indirect Flight Control Systems in Aircraft		(New) In Development	No
WG1	Airworthiness	Electrical Systems	ASTM F44.50, General Aviation - Systems and Equipment	ASTM WK61550, New Specification for Simplified High Intensity Radiated Field (HIRF) Protection in Level 1, Level 2, and Level 3 Aircraft		(New) In Development	No
WG1	Airworthiness	Electrical Systems	ASTM F44.50, General Aviation - Systems and Equipment	ASTM WK62762, System Level Verification of Software and Airborne Electronic Hardware on Small Aircraft		(New) In Development	No
WG1	Airworthiness	Electrical Systems	ASTM F44.50, General Aviation - Systems and Equipment	ASTM WK63976, Establishing the Net Safety Benefit of Aircraft Systems		(New) In Development	No

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG1	Airworthiness	Electrical Systems	ISO/TC 20/SC 1, Aerospace electrical requirements	ISO 1540:2006, Aerospace - Characteristics of aircraft electrical systems	2006	Published	No
WG1	Airworthiness	Electrical Systems	SAE A-20 Aircraft Lighting	SAE ARP4087D, Wing Inspection Lights - Design Criteria		(New) In Development	No
WG1	Airworthiness	Electrical Systems	SAE A-20 Aircraft Lighting	SAE ARP6336, Lighting Applications for Unmanned Aircraft Systems (UAS)		(New) In Development	Yes
WG1	Airworthiness	Electrical Systems	SAE A-20 Aircraft Lighting	SAE AS8037D, Minimum Performance Standard for Aircraft Position Lights		(New) In Development	No
WG1	Airworthiness	Electrical Systems	SAE A-20B Exterior Lighting	SAE AIR1106B, Some Factors Affecting Visibility of Aircraft Navigation and Anticollision Lights	2018	Published	No
WG1	Airworthiness	Electrical Systems	SAE A-20B Exterior Lighting	SAE AIR1276B, Aircraft Flashtube Anticollision Lighting Systems	2018	Published	No
WG1	Airworthiness	Electrical Systems	SAE A-20B Exterior Lighting	SAE AIR5689B, Light Transmitting Glass Covers for Exterior Aircraft Lighting	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE A-20B Exterior Lighting	SAE ARP4087C, Wing Inspection Lights - Design Criteria	2011	Published	No
WG1	Airworthiness	Electrical Systems	SAE A-20B Exterior Lighting	SAE ARP4392, Lighting, Aircraft Exterior, Night Vision Imaging System (NVIS) Compatible	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE A-20B Exterior Lighting	SAE ARP5029A, Measurement Procedures for Strobe Anticollision Lights	2014	Published	No
WG1	Airworthiness	Electrical Systems	SAE A-20B Exterior Lighting	SAE ARP5637A, Design and Maintenance Considerations for Aircraft Exterior Lighting Plastic Lenses	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE A-20B Exterior Lighting	SAE ARP5647A, High Intensity Discharge Light Sources	2014	Published	No
WG1	Airworthiness	Electrical Systems	SAE A-20B Exterior Lighting	SAE ARP5825A, Design Requirements and Test Procedures for Dual Mode Exterior Lights	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE A-20B Exterior Lighting	SAE ARP6402A, LED Landing, Taxiing, Runway Turnoff, and Recognition Lights	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE A-20B Exterior Lighting	SAE ARP693E, Landing and Taxiing Lights - Design Criteria for Installation	2018	Published	No
WG1	Airworthiness	Electrical Systems	SAE A-20B Exterior Lighting	SAE ARP694C, Aerial Refueling Lights - Design Criteria	2015	Published	No

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG1	Airworthiness	Electrical Systems	SAE A-20B Exterior Lighting	SAE ARP991C, Position and Anticollision Lights - Fixed-Wing Aircraft	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE A-20B Exterior Lighting	SAE AS25050B, Colors, Aeronautical Lights and Lighting Equipment, General Requirements For	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE A-20B Exterior Lighting	SAE AS8017D, Minimum Performance Standard for Anticollision Light Systems	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE A-20B Exterior Lighting	SAE AS8037C, Minimum Performance Standard for Aircraft Position Lights	2013	Published	No
WG1	Airworthiness	Electrical Systems	SAE A-6 Aerospace Actuation, Control and Fluid Power Systems	SAE ARP5724, Aerospace - Testing of Electromechanical Actuators, General Guidelines For	4-Oct-13	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-4 Electromagnetic Environmental Effects (E3)	SAE AIR1147A, Electromagnetic Interference on Aircraft from Jet Engine Charging	2013	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-4 Electromagnetic Environmental Effects (E3)	SAE AIR1209, Construction and Calibration of Parallel Plate Transmission Line for Electromagnetic Interference Susceptibility Testing	2004	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-4 Electromagnetic Environmental Effects (E3)	SAE AIR1221, Electromagnetic Compatibility (EMC) System Design Checklist	2013	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-4 Electromagnetic Environmental Effects (E3)	SAE AIR1255, Spectrum Analyzers for Electromagnetic Interference Measurements	2009	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-4 Electromagnetic Environmental Effects (E3)	SAE AIR1394A, Cabling Guidelines for Electromagnetic Compatibility	2009	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-4 Electromagnetic Environmental Effects (E3)	SAE AIR1404, DC Resistivity Vs RF Impedance of EMI Gaskets	2009	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-4 Electromagnetic Environmental Effects (E3)	SAE AIR1423, Electromagnetic Compatibility on Gas Turbine Engines for Aircraft Propulsion	2008	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-4 Electromagnetic Environmental Effects (E3)	SAE AIR1425A, Methods of Achieving Electromagnetic Compatibility of Gas Turbine Engine Accessories, for Self-Propelled Vehicles	2009	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-4 Electromagnetic Environmental Effects (E3)	SAE AIR1700A, Upper Frequency Measurement Boundary for Evaluation of Shielding Effectiveness in Cylindrical Systems	2009	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-4 Electromagnetic Environmental Effects (E3)	SAE AIR6236A, In-House Verification of EMI Test Equipment	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-4 Electromagnetic Environmental Effects (E3)	SAE ARP1172, Filters, Conventional, Electromagnetic Interference Reduction, General Specification For	1972	Published	No

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG1	Airworthiness	Electrical Systems	SAE AE-4 Electromagnetic Environmental Effects (E3)	SAE ARP1173A, Test Procedure to Measure the R.F. Shielding Characteristics of E.M.I. Gaskets	2013	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-4 Electromagnetic Environmental Effects (E3)	SAE ARP1267, Electromagnetic Interference Measurement Impulse Generators; Standard Calibration Requirements and Techniques	2013	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-4 Electromagnetic Environmental Effects (E3)	SAE ARP1481A, Corrosion Control and Electrical Conductivity in Enclosure Design	2004	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-4 Electromagnetic Environmental Effects (E3)	SAE ARP1705C, Coaxial Test Procedure to Measure the RF Shielding Characteristics of EMI Gasket Materials	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-4 Electromagnetic Environmental Effects (E3)	SAE ARP1870A, Aerospace Systems Electrical Bonding and Grounding for Electromagnetic Compatibility and Safety	2012	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-4 Electromagnetic Environmental Effects (E3)	SAE ARP1972A, Recommended Measurement Practices and Procedures for EMC Testing	2012	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-4 Electromagnetic Environmental Effects (E3)	SAE ARP4242A, Electromagnetic Compatibility Control Requirements Systems	2013	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-4 Electromagnetic Environmental Effects (E3)	SAE ARP4244A, Recommended Insertion Loss Test Methods for EMI Power Line Filters	2012	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-4 Electromagnetic Environmental Effects (E3)	SAE ARP5583A, Guide to Certification of Aircraft in a High-Intensity Radiated Field (HIRF) Environment	2010	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-4 Electromagnetic Environmental Effects (E3)	SAE ARP5889, Alternative (Ecological) Method for Measuring Electronic Product Immunity to External Electromagnetic Fields	2008	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-4 Electromagnetic Environmental Effects (E3)	SAE ARP60493, Guide to Civil Aircraft Electromagnetic Compatibility (EMC)	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-4 Electromagnetic Environmental Effects (E3)	SAE ARP6248, Stripline Test Method to Characterize the Shielding Effectiveness of Conductive EMI Gaskets up to 40 GHz	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-4 Electromagnetic Environmental Effects (E3)	SAE ARP935B, Control Plan/Technical Construction File	2013	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-4 Electromagnetic Environmental Effects (E3)	SAE ARP936B, Capacitor, 10 Microfarad for EMI Measurements	2013	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-4 Electromagnetic Environmental Effects (E3)	SAE ARP958D, Electromagnetic Interference Measurement Antennas; Standard Calibration Method	2003	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-4 Electromagnetic Environmental Effects (E3)	SAE AS6451A, Shields, Protective, Aircraft and Missiles	2013	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7 Aerospace Electrical Power and Equipment	SAE AS35091A, Receptacles, Electric, Aircraft Storage Battery	2012	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7 Aerospace Electrical Power and Equipment	SAE AS81099A, Electric Devices, Simple, General Specification for	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7 Aerospace Electrical Power and Equipment	SAE AIR6511, Safety Consideration for a 48/60 VDC Aircraft distribution system		(New) In Development	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AIR34B, Penalties in Performance of Three-Phase, Four-Wire, 400-Cycle Motors Causes By the Opening of One Phase	2017	Published	No

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AIR857A, Speed Variation of D-C Motors	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE ARP4255A, Electrical Actuation Systems for Aerospace and Other Applications	2012	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE ARP497B, Precision Control Motors - 400 Cycles	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE ARP826A, Electrical Computing Resolvers	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/131B, Synchro, Control Transmitter, Type 15CX4F	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/139B, SYNCHRO CONTROL TRANSMITTER, TYPE 31CX6a	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/14B, Synchro, Control Transmitter, Type 15CX4D	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/15B, Synchro, Control Transformer, Type 15CT4C	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/16B, Synchro, Control Differential Transmitter, Type 15CDX4D	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/17B, Synchro, Torque Differential Transmitter, Type 15TDX4C	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/19B, Synchro, Torque Receiver Transmitter, Type 15TRX4A	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/1B, Synchro, Control Transformer, Type 11CT4E	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/20B, Synchro, Control Transmitter, Type 15CDX6C	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/21B, Synchro, Control Transformer, Type 15CT6D	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/22B, Synchro, Control Differential Transmitter, Type 15CDX6C	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/23B, Synchro, Torque Receiver Transmitter, Type 15TRX6A	2016	Published	No

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WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/25B, Synchro, Control Transformer, Type 16CTB4B	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/28B, Synchro, Control Transmitter, Type 18CX4D	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/29B, Synchro, Control Transformer, Type 18CT4C	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/2B, Synchro, Control Transmitter, Type 11CX4E	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/30B, Synchro, Control Differential Transmitter, Type 18CDX4C	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/31B, Synchro, Torque Differential Transmitter, Type 18TDX4C	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/32B, Synchro, Torque Receiver Transmitter, Type 18TRX4A	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/33B, Synchro, Control Transmitter, Type 18CX6C	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/34B, Synchro, Control Transformer, Type 18CT6D	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/35B, Synchro, Torque Receiver Transmitter, Type 18TRX6B	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/36B, Synchro, Control Differential Transmitter, Type 18CDX6D	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/39C, Synchro, Control Transformer, Type 19CTB4B	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/3B, Synchro, Torque Receiver, Type 11TR4C	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/45B, Synchro, Control Transmitter, Type 23CX4D	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/46B, Synchro, Control Transformer, Type 23CT4C	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/47B, Synchro, Control Differential Transmitter, Type 23CDX4C	2017	Published	No

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WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/48B, Synchro, Torque Differential Transmitter, Type 23TDX4C	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/49B, Synchro, Differential Receiver, Type 23TDR4B	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/4B, Synchro, Torque Transmitter, Type 11TX4C	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/500B, Synchro, Torque Receiver, Type 26V-10TR4	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/50B, Synchro, Torque Receiver Transmitter, Type 23TRX4A	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/52B, Synchro, Control Transmitter, Type 23CX6D	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/53B, Synchro, Control Transformer, Type 23CT6D	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/54B, Synchro, Control Differential Transmitter, Type 23CDX6C	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/55B, Synchro, Torque Differential Transmitter, Type 23TDX6C	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/56B, Synchro, Torque Receiver Transmitter, Type 23TRX6B	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/5B, Synchro, Torque Receiver, Type 26V-11TR4C	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/62B, Synchro, Torque Receiver Transmitter, Type 31TRX4A	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/66B, Synchro, Torque Receiver Transmitter, Type 31TRX6A	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/67B, Synchro, Torque Differential Receiver, Type 31TDR6B	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/68B, Synchro, Torque Differential Transmitter, Type 31TDX6C	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/6B, Synchro, Torque Transmitter, Type 26V-11TX4C	2016	Published	No

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WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/70B, Synchro, Torque Receiver Transmitter, Type 37TRX4A	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/74B, Synchro, Torque Receiver Transmitter, Type 37TRX6A	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/76B, Synchro, Torque Differential Transmitter, Type 37TDX6A	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/78B, Synchro, Control Transmitter, Type 26V-08CX4C	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/79B, Synchro, Control Transformer, Type 26V-08CT4C	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/7B, Synchro, Control Transformer, Type 26V-11CT4D	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/80B, Synchro, Torque Receiver Transmitter, Type 26V-08CDX4C	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/81B, Synchro, Control Differential Transmitter, Type 11CDX4B	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/8B, Synchro, Control Transmitter, Type 26V-11CX4C	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/94C, Synchro, 60 and 400 Hz, Size 23	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708/9B, Synchro, Control Differential Transmitter, Type 26V-11CDX4C	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS20708B, Synchros, General Specification For	2014	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS8011B, Minimum Performance Standards for A-C Generators and Associated Regulators	2011	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS8020, Minimum Performance Standards for Engine Driven D.C. Generators/Starter-Generators and Associated Voltage Regulators	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE ARP6505, Electrical Load Characterization and ELA Standardization		(New) In Development	No
WG1	Airworthiness	Electrical Systems	SAE AE-7A Generators and Controls Motors and Magnetic Devices	SAE AS8441, Minimum Performance Standard for Permanent-Magnet Propulsion Motors and Associated Variable-Speed Drives		(New) In Development	No

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG1	Airworthiness	Electrical Systems	SAE AE-7B Power Management, Distribution and Storage	SAE AIR5561, Lithium Battery Powered Portable Electronic Devices	2013	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7B Power Management, Distribution and Storage	SAE AIR5709A, SAE AE-7 High Temperature Components Survey, 2005	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7B Power Management, Distribution and Storage	SAE ARP5584, Document for Electric Power Management	2011	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7B Power Management, Distribution and Storage	SAE AS4361A, Minimum Performance Standards for Aerospace Electric Power Converters	2011	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7B Power Management, Distribution and Storage	SAE AS4805, Solid State Power Controller, General Standard For	2007	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7B Power Management, Distribution and Storage	SAE AS5625A, Minimum Performance Standards for Static Electric Power Frequency Converters	2014	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7B Power Management, Distribution and Storage	SAE AS6349, Minimum Performance Standard (MPS) for an Airborne AC to AC Converter	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7B Power Management, Distribution and Storage	SAE AS8023B, Minimum Performance Standards for Static Electric Power Inverters	2011	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7B Power Management, Distribution and Storage	SAE AS8033, Nickel Cadmium Vented Rechargeable Aircraft Batteries (Non-Sealed, Maintainable Type)	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7B Power Management, Distribution and Storage	SAE AIR6343, Design and Development of Rechargeable Aerospace Lithium Battery Systems		(New) In Development	No
WG1	Airworthiness	Electrical Systems	SAE AE-7B Power Management, Distribution and Storage	SAE AIR6897, Lithium Battery Systems – Prognostics and Health Management		(New) In Development	No
WG1	Airworthiness	Electrical Systems	SAE AE-7B Power Management, Distribution and Storage	SAE ARP5584A, Document for Electric Power Management		(New) In Development	No
WG1	Airworthiness	Electrical Systems	SAE AE-7B Power Management, Distribution and Storage	SAE AS4805A, Solid State Power Controller, General Standard For		(New) In Development	No
WG1	Airworthiness	Electrical Systems	SAE AE-7B Power Management, Distribution and Storage	SAE AS6087, ARC Fault Interrupter, 270 VDC		(New) In Development	No
WG1	Airworthiness	Electrical Systems	SAE AE-7C Systems	SAE AIR1213A, Radioisotope Power Systems	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7C Systems	SAE AIR6127, Managing Higher Voltages in Aerospace Electrical Systems	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7C Systems	SAE AIR6139, Ways of Dealing with Power Regeneration onto an Aircraft Electrical Power System Bus	2014	Published	No

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG1	Airworthiness	Electrical Systems	SAE AE-7C Systems	SAE AIR999A, Cryogenically Fueled Dynamic Power Systems	2011	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7C Systems	SAE ARP4729A, Document for 270 Voltage Direct Current (270 V DC) System	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7C Systems	SAE AS1212A, Electric Power, Aircraft, Characteristics and Utilization of	2012	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7C Systems	SAE AS1831A, Electrical Power, 270 V DC, Aircraft, Characteristics and Utilization of	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7C Systems	SAE AS5698, Space Power Standard	2018	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7C Systems	SAE AIR6198, Considerations for future more electric aircraft electric power systems		(New) In Development	No
WG1	Airworthiness	Electrical Systems	SAE AE-7C Systems	SAE AIR6540, Fundamentals in selecting Wire Sizes in Aerospace Applications		(New) In Development	No
WG1	Airworthiness	Electrical Systems	SAE AE-7C Systems	SAE AS5698A, Space Power Standard		(New) In Development	No
WG1	Airworthiness	Electrical Systems	SAE AE-7M Aerospace Model Based Engineering	SAE AIR6326, Aircraft Electrical Power Systems, Modeling and Simulation, Definitions	2015	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7M Aerospace Model Based Engineering	SAE ARP6538, Dynamic Modeling of Aerospace Systems (DyMAS)	2018	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-7M Aerospace Model Based Engineering	SAE AIR6387, Aircraft electrical power systems. Modeling and simulation. Validation and verification methods.		(New) In Development	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE AIR4465, Design and Handling Guide Radio Frequency Absorptive Type Wire and Cables (Filter Line, MIL-C-85485)	2012	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE AIR5468B, Ultraviolet (UV) Lasers for Aerospace Wire Marking	2012	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE AIR5558, Ultraviolet (UV) Laser Marking Performance of Aerospace Wire Constructions	2015	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE AIR5575A, Hot Stamp Wire Marking Concerns for Aerospace Vehicle Applications	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE AIR5717, Mitigating Wire Insulation Damage During Processing and Handling	2014	Published	No

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE ARP4404C, Aircraft Electrical Installations	2013	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE ARP5062A, Recommended Test Fluids for Electrical Components Used on Aircraft Exterior or for Ground Support Near Aircraft	2012	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE ARP5369B, Guidelines for Wire Identification Marking Using the Hot Stamp Process	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE ARP5607A, Legibility of Print on Aerospace Wires and Cables	2013	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE ARP5614, Guidelines for Harness Critical Clamp Locator Marker Installation on Electrical Cable Assemblies	2014	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE ARP6167, Etching of Fluoropolymer Insulations	2013	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE ARP6216, EWIS Wiring Insulation Breakdown Testing	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE ARP81490A, Transmission Lines, Transverse Electromagnetic Mode	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE AS21378A, Plugs And Cable Assemblies, External Power, Aircraft, 230/400 VOLT, 400 Hertz	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE AS24122, Wiring Harness - External Power, 115 Volt AC, Single Phase	2009	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE AS24208A, Cable and Plug Assembly, External Power 115/200 VOLTS 3 Phase, Single Point Refueling	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE AS25019A, Cable Assembly, External Electric Power, Aircraft, 28 VOLT DC, Jet Starting	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE AS25064A, Conduit, Flexible, Radio Frequency Shielding	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE AS25065A, Ferrule, Flexible Conduit, Radio Frequency Shielding	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE AS25066, Conduit Assembly, Nut, Flexible, Radio Frequency Shielding	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE AS25067A, Conduit Assembly, Flexible, Radio Frequency Shielding	2016	Published	No

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE AS4461C, Assembly and Soldering Criteria for High Quality/High Reliability Soldering Wire and Cable Termination in Aerospace Vehicles	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE AS50881F, Wiring Aerospace Vehicle	2015	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE AS5649, Wire and Cable Marking Process, UV Laser	2012	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE AS5942, Marking of Electrical Insulating Materials	2014	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE AS7974/2A, Cable Assembly, External Power, Aircraft 115/200 VOLT, 400 Hertz Power Distribution Flight Line (for A/E 24A-166A)	2018	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE AS7974/4A, Cable Assembly, External Electric Power, Aircraft, Single-Jacketed 115/200 VOLT, 400 Hertz	2013	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE AS7974/5A, Cable Assembly, External Electric Power, Aircraft, Single-Jacketed 270 VDC, 90 KW	2017	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE AS7974A, Cable Assemblies and Attachable Plugs, External Electrical Power, Aircraft, General Specification For	2010	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE AS90328A, Cable Assembly, External Electric Power, Aircraft 115/200 VOLT, 400 Hertz	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE AS90347A, Cable Assembly, External Electric Power, Aircraft 28 VOLT DC, Operating Power	2016	Published	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE AS50881G, Wiring Aerospace Vehicle		(Revision) In Development	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE AIR6808, Aerospace Vehicle Wiring, Lessons Learned		(New) In Development	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE AIR6820, Electrical Wiring Fuel Compatibility		(New) In Development	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE ARP6881, Guidelines for the Use and Installation of Bonded Cable Harness Supports		(New) In Development	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE AS50881G, Wiring Aerospace Vehicle		(New) In Development	No
WG1	Airworthiness	Electrical Systems	SAE AE-8A, Elec Wiring and Fiber Optic Interconnect Sys Install	SAE AS5649A, Wire and Cable Marking Process, UV Laser		(New) In Development	No

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WG1	Airworthiness	Electrical Systems	SAE AE-9 Electric Materials	SAE AIR7219, Degradation in electrical materials		(New) In Development	No
WG1	Airworthiness	Electrical Systems	SAE EUROCAE Fuel Cell Task Group	SAE AIR6464, EUROCAE/SAE WG80/AE-7AFC Hydrogen Fuel Cells Aircraft Fuel Cell Safety Guidelines	2013	Published	No
WG1	Airworthiness	Electrical Systems	SAE EUROCAE Fuel Cell Task Group	SAE AS6858, Installation of Fuel Cell Systems in Large Civil Aircraft	2017	Published	No
WG1	Airworthiness	Electrical Systems	UL	UL 3030, Standard for Unmanned Aircraft Systems	2018	Published	Yes
WG1	Airworthiness	Power Sources and Propulsion Systems	ASTM F37.70, Light Sport Aircraft - Cross Cutting	ASTM F2506-13, Standard Specification for Design and Testing of Light Sport Aircraft Propellers	2013	Published	No
WG1	Airworthiness	Power Sources and Propulsion Systems	ASTM F37.70, Light Sport Aircraft - Cross Cutting	ASTM F2538-07a(2010), Standard Practice for Design and Manufacture of Reciprocating Compression Ignition Engines for Light Sport Aircraft	2010	Published	No
WG1	Airworthiness	Power Sources and Propulsion Systems	ASTM F38.01, Unmanned Aircraft Systems (UAS) - Airworthiness	ASTM F3005-14a Standard Specification for Batteries for Use in Small Unmanned Aircraft Systems (sUAS)	2014	Published	Yes
WG1	Airworthiness	Power Sources and Propulsion Systems	ASTM F38.01, Unmanned Aircraft Systems (UAS) - Airworthiness	ASTM WK56160, Revision of F3005 - 14a Standard Specification for Batteries for Use in Small Unmanned Aircraft Systems (sUAS)		(Revision) In Development	Yes
WG1	Airworthiness	Power Sources and Propulsion Systems	ASTM F38.01, Unmanned Aircraft Systems (UAS) - Airworthiness	ASTM WK60937, Design of Fuel Cells for Use in Unmanned Aircraft Systems (UAS)		(New) In Development	Yes
WG1	Airworthiness	Power Sources and Propulsion Systems	ASTM F44.50, General Aviation - Systems and Equipment	ASTM F3235-17a, Standard Specification for Aircraft Storage Batteries	2017	Published	No
WG1	Airworthiness	Power Sources and Propulsion Systems	SAE A-6C4 Power Sources	SAE AIR744C, Aerospace Auxiliary Power Sources	2015	Published	No
WG1	Airworthiness	Power Sources and Propulsion Systems	SAE AS8036 Update WG	AS8028, Powerplant Fire Detection Instruments Thermal & Flame Contact Types (Reciprocating and Turbine Engine Powered Aircraft)	1991	Published	No
WG1	Airworthiness	Power Sources and Propulsion Systems	SAE E-39 Unmanned Aircraft Propulsion	Ground support equipment (preheaters, starters, fuel pumps, fuel couplings, fuel mixing, fuel filters, preflight weight/balance, bore-sighting of payload, storage containers, alignment hardware, wheel chocks, "remove before flight" items, electronic and software links)		Planned WIP	Yes
WG1	Airworthiness	Power Sources and Propulsion Systems	SAE E-39 Unmanned Aircraft Propulsion	Propeller hubs		Planned WIP	Yes
WG1	Airworthiness	Power Sources and Propulsion Systems	SAE E-39 Unmanned Aircraft Propulsion	Propeller Information Report		Planned WIP	Yes
WG1	Airworthiness	Power Sources and Propulsion Systems	SAE E-39 Unmanned Aircraft Propulsion	UAS Propulsion System Categorization		Planned WIP	Yes
WG1	Airworthiness	Power Sources and Propulsion Systems	SAE E-39 Unmanned Aircraft Propulsion	SAE AS6971, Test Protocol for UAS Reciprocating (Intermittent) Engines as Primary Thrust Mechanism		(New) In Development	Yes
WG1	Airworthiness	Power Sources and Propulsion Systems	UL	UL 1642, Standard for Safety for Lithium Batteries	2012	Published	No
WG1	Airworthiness	Power Sources and Propulsion Systems	UL	UL 2271, Standard for Batteries for Use in Light Electric Vehicle (LEV) Applications	2018	Published	No
WG1	Airworthiness	Power Sources and Propulsion Systems	UL	UL 2580, Standard for Batteries in Use in Electric Vehicles	2013	Published	No
WG1	Airworthiness	Power Sources and Propulsion Systems	UL	UL 2743, Standard for Safety for Portable Power Packs	2018	Published	No

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG1	Airworthiness	Power Sources and Propulsion Systems	UL	UL 62133, Standard for Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Safety Requirements for Portable Sealed Secondary Cells, and for Batteries Made From Them, for Use in Portable Applications	2017	Published	No
WG1	Airworthiness	Noise, Emissions, and Fuel Venting	ICAO	Future ICAO work on Aircraft Noise		Planned WIP	No
WG1	Airworthiness	Noise, Emissions, and Fuel Venting	SAE A-21 Aircraft Noise Measure Noise Aviation Emission Modeling	SAE AIR1081, House Noise-Reduction Measurements for Use in Studies of Aircraft Flyover Noise	2007	Published	No
WG1	Airworthiness	Noise, Emissions, and Fuel Venting	SAE A-21 Aircraft Noise Measure Noise Aviation Emission Modeling	SAE AIR1672B, Practical Methods to Obtain Free-Field Sound Pressure Levels from Acoustical Measurements Over Ground Surfaces	2012	Published	No
WG1	Airworthiness	Noise, Emissions, and Fuel Venting	SAE A-21 Aircraft Noise Measure Noise Aviation Emission Modeling	SAE AIR1905A, Gas Turbine Coaxial Exhaust Flow Noise Prediction	2012	Published	No
WG1	Airworthiness	Noise, Emissions, and Fuel Venting	SAE A-21 Aircraft Noise Measure Noise Aviation Emission Modeling	SAE AIR1935, Methods of Controlling Distortion of Inlet Airflow During Static Acoustical Tests of Turbofan Engines and Fan Rigs	2007	Published	No
WG1	Airworthiness	Noise, Emissions, and Fuel Venting	SAE A-21 Aircraft Noise Measure Noise Aviation Emission Modeling	SAE AIR5662, Method for Predicting Lateral Attenuation of Airplane Noise	2012	Published	No
WG1	Airworthiness	Noise, Emissions, and Fuel Venting	SAE A-21 Aircraft Noise Measure Noise Aviation Emission Modeling	SAE ARP1846A, Measurement of Far Field Noise from Gas Turbine Engines During Static Operation, 2008	2008	Published	No
WG1	Airworthiness	Noise, Emissions, and Fuel Venting	SAE A-21 Aircraft Noise Measure Noise Aviation Emission Modeling	SAE ARP4055, Ground-Plane Microphone Configuration for Propeller-Driven Light-Aircraft Noise Measurement	2007	Published	No
WG1	Airworthiness	Noise, Emissions, and Fuel Venting	SAE A-21 Aircraft Noise Measure Noise Aviation Emission Modeling	SAE ARP4721/1, Monitoring Aircraft Noise and Operations in the Vicinity of Airports: System Description, Acquisition, and Operation	2012	Published	No
WG1	Airworthiness	Noise, Emissions, and Fuel Venting	SAE A-21 Aircraft Noise Measure Noise Aviation Emission Modeling	SAE ARP4721/2, Monitoring Aircraft Noise and Operations in the Vicinity of Airports: System Validation	2012	Published	No
WG1	Airworthiness	Noise, Emissions, and Fuel Venting	SAE A-21 Aircraft Noise Measure Noise Aviation Emission Modeling	SAE ARP876F, Gas Turbine Jet Exhaust Noise Prediction	2013	Published	No
WG1	Airworthiness	Noise, Emissions, and Fuel Venting	SAE AGE-3 Aircraft Ground Support Equipment	SAE ARP1801A, Measurement of Exterior Sound Level of Specialized Aircraft Ground Support Equipment	2016	Published	No
WG1	Airworthiness	Noise, Emissions, and Fuel Venting	SAE E-31G Gaseous	SAE AIR4068B, Gas Turbine Emission Probe Factors	2012	Published	No
WG1	Airworthiness	Noise, Emissions, and Fuel Venting	SAE E-31G Gaseous	SAE ARP1179D, Aircraft Gas Turbine Engine Exhaust Smoke Measurement	2011	Published	No
WG1	Airworthiness	Noise, Emissions, and Fuel Venting	SAE E-31G Gaseous	SAE ARP1256D, Procedure for the Continuous Sampling and Measurement of Gaseous Emissions from Aircraft Turbine Engines	3-Jul-05	Published	No
WG1	Airworthiness	Noise, Emissions, and Fuel Venting	SAE E-31G Gaseous	SAE ARP1533C, Procedure for the Calculation of Gaseous Emissions from Aircraft Turbine Engines	2016	Published	No

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG1	Airworthiness	Noise, Emissions, and Fuel Venting	SAE S-12 Helicopter Powerplant	SAE ARP1279, Standard Indoor Method of Collection and Presentation of the Bare Turboshift Engine Noise Data for Use in Helicopter Installations, 1985	1985	Published	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AC-9C Aircraft Icing Technology	SAE AIR1168/4B, SAE Aerospace Applied Thermodynamics Manual, Ice, Rain, Fog, and Frost Protection	29-Aug-16	Published	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AC-9C Aircraft Icing Technology	SAE AIR1667A, Rotor Blade Electrothermal Ice Protection Design Considerations	23-Apr-13	Published	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AC-9C Aircraft Icing Technology	SAE AIR4015D, Icing Technology Bibliography	15-Mar-13	Published	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AC-9C Aircraft Icing Technology	SAE AIR4367A, Aircraft Inflight Ice Detectors and Icing Rate Measuring Instruments	11-Oct-12	Published	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AC-9C Aircraft Icing Technology	SAE AIR4906, Droplet Sizing Instrumentation Used in Icing Facilities	23-Apr-13	Published	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AC-9C Aircraft Icing Technology	SAE AIR5320A, Summary of Icing Simulation Test Facilities	25-Sep-15	Published	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AC-9C Aircraft Icing Technology	SAE AIR5396A, Characterizations of Aircraft Icing Conditions	24-Aug-15	Published	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AC-9C Aircraft Icing Technology	SAE AIR5666, Icing Wind Tunnel Interfacility Comparison Tests	3-Oct-12	Published	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AC-9C Aircraft Icing Technology	SAE ARP5624, Aircraft Inflight Icing Terminology	23-Apr-13	Published	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AC-9C Aircraft Icing Technology	SAE ARP5903, Droplet Impingement and Ice Accretion Computer Codes	1-Jun-15	Published	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AC-9C Aircraft Icing Technology	SAE ARP5904, Airborne Icing Tankers	11-Oct-12	Published	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AC-9C Aircraft Icing Technology	SAE ARP5905, Calibration and Acceptance of Icing Wind Tunnels	26-Sep-15	Published	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AC-9C Aircraft Icing Technology	SAE AS5498A, Minimum Operational Performance Specification for Inflight Icing Detection Systems	5-Dec-17	Published	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AC-9C Aircraft Icing Technology	SAE AS5562, Ice and Rain Minimum Qualification Standards for Pitot and Pitot-static Probes	7-Aug-15	Published	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AC-9C Aircraft Icing Technology	SAE AIR4367B, Aircraft Inflight Ice Detectors and Icing Rate Measuring Instruments		(New) In Development	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AC-9C Aircraft Icing Technology	SAE AIR4906A, Particle Sizing Instrumentation for Icing Cloud Characterization		(New) In Development	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AC-9C Aircraft Icing Technology	SAE AIR5666A, Icing Wind Tunnel Interfacility Comparison Tests		(New) In Development	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AC-9C Aircraft Icing Technology	SAE AIR6247, Guidance on Selecting a Ground-based Icing Simulation Facility		(New) In Development	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AC-9C Aircraft Icing Technology	SAE AIR6341, SLD capabilities of icing wind tunnels		(New) In Development	No

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AC-9C Aircraft Icing Technology	SAE AIR6440, Icing Tunnel Tests for Thermal Ice Protection Systems		(New) In Development	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AC-9C Aircraft Icing Technology	SAE AIR6962, Ice Protection for Unmanned Aerial Vehicles		(New) In Development	Yes
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AC-9C Aircraft Icing Technology	SAE AIR6974, Ice Crystal and Mixed Phase Icing Tunnel Testing of Air Data Probes		(New) In Development	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AC-9C Aircraft Icing Technology	SAE ARP5905A, Calibration and Acceptance of Icing Wind Tunnels		(New) In Development	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AC-9C Aircraft Icing Technology	SAE ARP6455, Ice Shape Test Matrix Development for Unprotected Surfaces		(New) In Development	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AC-9C Aircraft Icing Technology	SAE ARP6901, Consideration for passive rotorcraft engine/APU induction system ice protection		(New) In Development	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AE-2 Lightning	SAE ARP5412B, Aircraft Lightning Environment and Related Test Waveforms	2013	Published	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AE-2 Lightning	SAE ARP5414A, Aircraft Lightning Zoning	2012	Published	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AE-2 Lightning	SAE ARP5415A, User's Manual for Certification of Aircraft Electrical/Electronic Systems for the Indirect Effects of Lightning	2008	Published	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AE-2 Lightning	SAE ARP5416A, Aircraft Lightning Test Methods	2013	Published	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AE-2 Lightning	SAE ARP5577, Aircraft Lightning Direct Effects Certification	2008	Published	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AE-2 Lightning	SAE ARP5672, Aircraft Precipitation Static Certification	2016	Published	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AE-2 Lightning	SAE ARP5414B, Aircraft Lightning Zoning		(New) In Development	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AE-2 Lightning	SAE ARP5415B, User's Manual for Certification of Aircraft Electrical/Electronic Systems for the Indirect Effects of Lightning		(New) In Development	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE AE-2 Lightning	SAE ARP6205, Transport Airplane Fuel Tank and Systems Lightning Protection		(New) In Development	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE G-28 Simulants for Impact and Ingestion Testing	Artificial simulant standards for drone or FOD impact/ingestion		(New) In Development	Yes
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE G-28 Simulants for Impact and Ingestion Testing	SAE ARP6924, Tests Recommended for Qualifying an Artificial Bird for Aircraft Certification Testing		(New) In Development	No
WG1	Airworthiness	Mitigation Systems for Various Hazards	SAE G-28 Simulants for Impact and Ingestion Testing	SAE AS6940, Standard Test Method for Measuring Forces During Impact of a Soft Projectile on a Rigid Flat Surface		(New) In Development	No
WG1	Airworthiness	Parachutes for Small UAS	AIAA Atmospheric and Space Environment	ANSI/AIAA S-017B-2015, Aerodynamic Decelerator and Parachute Drawings, 2015An ASTM designation number identifies a unique version of an ASTM standard.F3201 - 16	2015	Published	No
WG1	Airworthiness	Parachutes for Small UAS	ASTM F37.30, Power Parachute	ASTM F2241-14, Standard Specification for Continued Airworthiness System for powered Parachute Aircraft	2014	Published	No

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG1	Airworthiness	Parachutes for Small UAS	ASTM F37.30, Power Parachute	ASTM F2242-05(2013), Standard Specification for Production Acceptance Testing System for Powered Parachute Aircraft	2013	Published	No
WG1	Airworthiness	Parachutes for Small UAS	ASTM F37.30, Power Parachute	ASTM F2243-11(2013), Standard Specification for Required Product Information to be Provided with Powered Parachute Aircraft	2013	Published	No
WG1	Airworthiness	Parachutes for Small UAS	ASTM F37.30, Power Parachute	ASTM F2244-14, Standard Specification for Design and Performance Requirements for Powered Parachute Aircraft	2014	Published	No
WG1	Airworthiness	Parachutes for Small UAS	ASTM F37.30, Power Parachute	ASTM F2426-13, Standard Guide on Wing Interface Documentation for Powered Parachute Aircraft	2013	Published	No
WG1	Airworthiness	Parachutes for Small UAS	ASTM F37.70, Cross Cutting	ASTM F2316-12(2014), Standard Specification for Airframe Emergency Parachutes	2014	Published	No
WG1	Airworthiness	Parachutes for Small UAS	ASTM F38.01, Unmanned Aircraft Systems (UAS) - Airworthiness	ASTM F3322-18, Standard Specification for Small Unmanned Aircraft System (sUAS) Parachutes.	2018	Published	Yes
WG1	Airworthiness	Parachutes for Small UAS	SAE Aerospace Council	SAE AS8015B, Minimum Performance Standard for Parachute Assemblies and Components, Personnel	14-Jun-05	Published	No
WG1	Airworthiness	Maintenance and Inspection	SAE HM-1 Integrated Vehicle Health Management Committee	SAE AIR6212, Use of Health Monitoring Systems to Detect Aircraft Exposure to Volcanic Events	13-Dec-16	Published	No
WG1	Airworthiness	Maintenance and Inspection	SAE HM-1 Integrated Vehicle Health Management Committee	SAE ARD6888, Functional Specification of Miniature Connectors for Health Monitoring Purposes	19-Jul-16	Published	No
WG1	Airworthiness	Maintenance and Inspection	SAE HM-1 Integrated Vehicle Health Management Committee	SAE ARP5783, Health and Usage Monitoring Metrics, Monitoring the Monitor	3-May-18	Published	No
WG1	Airworthiness	Maintenance and Inspection	SAE HM-1 Integrated Vehicle Health Management Committee	SAE ARP6275, Determination of Cost Benefits from Implementing an Integrated Vehicle Health Management System	7-Jul-14	Published	No
WG1	Airworthiness	Maintenance and Inspection	SAE HM-1 Integrated Vehicle Health Management Committee	SAE ARP6803, IVHM Concepts, Technology and Implementation Overview	16-Mar-16	Published	No
WG1	Airworthiness	Maintenance and Inspection	SAE HM-1 Integrated Vehicle Health Management Committee	SAE AS4831A, Software Interfaces for Ground-Based Monitoring Systems	3-May-18	Published	No
WG1	Airworthiness	Maintenance and Inspection	SAE HM-1 Integrated Vehicle Health Management Committee	SAE AS5391A, Helicopter Health and Usage Monitoring System Accelerometer Interface Specification	16-Jun-16	Published	No
WG1	Airworthiness	Maintenance and Inspection	SAE HM-1 Integrated Vehicle Health Management Committee	SAE AS5392, Health and Usage Monitoring System, Rotational System Indexing Sensor Specification	12-Dec-02	Published	No
WG1	Airworthiness	Maintenance and Inspection	SAE HM-1 Integrated Vehicle Health Management Committee	SAE AS5393, Health and Usage Monitoring System, Blade Tracker Interface Specification	21-Oct-09	Published	No
WG1	Airworthiness	Maintenance and Inspection	SAE HM-1 Integrated Vehicle Health Management Committee	SAE AS5394, Health and Usage Monitoring System, Advanced Multipoint Interface Specification	4-Jun-08	Published	No

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG1	Airworthiness	Maintenance and Inspection	SAE HM-1 Integrated Vehicle Health Management Committee	SAE AS5395, Health and Usage Monitoring System Data Interchange Specification	3-May-18	Published	No
WG1	Airworthiness	Maintenance and Inspection	SAE HM-1 Integrated Vehicle Health Management Committee	SAE JA6268 201804, Design & Run-Time Information Exchange for Health-Ready Components	2-Apr-18	Published	No
WG1	Airworthiness	Maintenance and Inspection	SAE HM-1 Integrated Vehicle Health Management Committee	SAE AIR6334, A Power Usage Metric For Rotorcraft Power Train Transmissions		(New) In Development	No
WG1	Airworthiness	Maintenance and Inspection	SAE HM-1 Integrated Vehicle Health Management Committee	SAE AIR6900, Applicable Integrated Vehicle Health Monitoring (IVHM) Regulations, Policy, and Guidance Documents		(New) In Development	No
WG1	Airworthiness	Maintenance and Inspection	SAE HM-1 Integrated Vehicle Health Management Committee	SAE AIR6904, Data Interoperability for IVHM		(New) In Development	No
WG1	Airworthiness	Maintenance and Inspection	SAE HM-1 Integrated Vehicle Health Management Committee	SAE AIR6915, Implementation of IVHM, Human Factors and Safety Implications		(New) In Development	No
WG1	Airworthiness	Maintenance and Inspection	SAE HM-1 Integrated Vehicle Health Management Committee	SAE AIR8012, Prognostics and Health Management Guidelines for Electro-Mechanical Actuators		(New) In Development	No
WG1	Airworthiness	Maintenance and Inspection	SAE HM-1 Integrated Vehicle Health Management Committee	SAE ARP6290, Guidelines for the Development of Architectures for Integrated Vehicle Health Management Systems		(New) In Development	No
WG1	Airworthiness	Maintenance and Inspection	SAE HM-1 Integrated Vehicle Health Management Committee	SAE ARP6407, Integrated Vehicle Health Management Design Guidelines		(New) In Development	No
WG1	Airworthiness	Maintenance and Inspection	SAE HM-1 Integrated Vehicle Health Management Committee	SAE ARP6883, Guidelines for writing IVHM requirements for aerospace systems		(New) In Development	No
WG1	Airworthiness	Maintenance and Inspection	SAE HM-1 Integrated Vehicle Health Management Committee	SAE ARP6887, Verification & Validation of Integrated Vehicle Health Management Systems and Software		(New) In Development	No
WG1	Airworthiness	Maintenance and Inspection	ASTM F37.70, Light Sport Aircraft - Cross Cutting	ASTM WK30359, New Specification for Light Sport Aircraft Manufacturers Continued Operational Safety (COS) Monitoring Program		(New) In Development	No
WG1	Airworthiness	Maintenance and Inspection	ASTM F38.02, Flight Operations	ASTM WK63991, Revision of F2909-14, Standard Practice for Maintenance and Continued Airworthiness of Small Unmanned Aircraft Systems (sUAS)		(Revision) In Development	Yes
WG1	Airworthiness	Maintenance and Inspection	ASTM F38.02, Unmanned Aircraft Systems (UAS) - Flight Operations	ASTM F2909-14, Standard Practice for Maintenance and Continued Airworthiness of Small Unmanned Aircraft Systems (sUAS)	2014	Published	Yes
WG1	Airworthiness	Maintenance and Inspection	ASTM F39.02, Aircraft Systems - Inspection, Alteration, Maintenance, and Repair	ASTM WK55298, New Guide for Classifying Alterations for In-Service Aircraft under FAA Authority Oversight		(New) In Development	No
WG1	Airworthiness	Maintenance and Inspection	ASTM F39.02, Inspection, Alteration, Maintenance, and Repair	ASTM F2696-14, Standard Practice for Inspection of Aircraft Electrical Wiring Systems	2014	Published	No

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG1	Airworthiness	Maintenance and Inspection	ASTM F39.02, Inspection, Alteration, Maintenance, and Repair	ASTM F2799-14, Standard Practice for Maintenance of Aircraft Electrical Wiring Systems	2014	Published	No
WG1	Airworthiness	Maintenance and Inspection	ASTM F46.02, Avionics and Information Technology Endorsements	ASTM F3245-17, Standard Guide for Aircraft Electronics Technician Personal Certification	2017	Published	No
WG1	Airworthiness	Enterprise Operations: Level of Automation/ Autonomy/ Artificial Intelligence (AI)	ASTM AC377	ASTM AC377, Technical Report on Autonomy Design and Operations in Aviation	2018/2019	(New) In Development	Yes
WG1	Airworthiness	Enterprise Operations: Level of Automation/ Autonomy/ Artificial Intelligence (AI)	RTCA SC-203	RTCA DO-344 Volume 1 & 2 - Operational and Functional Requirements and Safety Objectives for Unmanned Aircraft System Standards	Jun-13	Published	Yes
WG1	Airworthiness	Enterprise Operations: Level of Automation/ Autonomy/ Artificial Intelligence (AI)	RTCA SC-203	RTCA DO-344 Volume 2-Appendices F & G - Operational and Functional Requirements and Safety Objectives for Unmanned Aircraft System Standards	Jun-13	Published	Yes
WG1	Airworthiness	Enterprise Operations: Level of Automation/ Autonomy/ Artificial Intelligence (AI)	SAE AS-4JAUS Joint Architecture for Unamnned Systems	SAE ARP6227-2013, JAUS Messaging over the OMG Data Distribution Service (DDS)	24-Feb-13	Published	No
WG1	Airworthiness	Enterprise Operations: Level of Automation/ Autonomy/ Artificial Intelligence (AI)	SAE AS-4JAUS Joint Architecture for Unamnned Systems	SAE AS5684B-2015, JAUS Service Interface Definition Language	21-Aug-15	Published	No
WG1	Airworthiness	Enterprise Operations: Level of Automation/ Autonomy/ Artificial Intelligence (AI)	SAE AS-4JAUS Joint Architecture for Unamnned Systems	SAE AS5710A, JAUS Core Service Set	24-Apr-15	Published	No
WG1	Airworthiness	Enterprise Operations: Level of Automation/ Autonomy/ Artificial Intelligence (AI)	SAE AS-4JAUS Joint Architecture for Unamnned Systems	SAE AS6040, JAUS HMI Service Set	24-Apr-15	Published	No
WG1	Airworthiness	Enterprise Operations: Level of Automation/ Autonomy/ Artificial Intelligence (AI)	SAE AS-4JAUS Joint Architecture for Unamnned Systems	SAE AS6057A-2014, JAUS Manipulator Service Set	3-Jun-14	Published	No
WG1	Airworthiness	Enterprise Operations: Level of Automation/ Autonomy/ Artificial Intelligence (AI)	SAE AS-4JAUS Joint Architecture for Unamnned Systems	SAE AS6060, JAUS Environment Sensing Service Set	24-Apr-15	Published	No
WG1	Airworthiness	Enterprise Operations: Level of Automation/ Autonomy/ Artificial Intelligence (AI)	SAE AS-4JAUS Joint Architecture for Unamnned Systems	SAE AS6009A, JAUS Mobility Service Set		(Revision) In Development	No

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG1	Airworthiness	Enterprise Operations: Level of Automation/ Autonomy/ Artificial Intelligence (AI)	SAE AS-4UCS Unmanned Systems (UxS) Control Segment Architecture	SAE AIR6515-2016, Unmanned Systems (UxS) Control Segment (UCS) Architecture: EA Version of UCS ICD Model	20-Dec-16	Published	No
WG1	Airworthiness	Enterprise Operations: Level of Automation/ Autonomy/ Artificial Intelligence (AI)	SAE AS-4UCS Unmanned Systems (UxS) Control Segment Architecture	SAE AIR6516-2016, Unmanned Systems (UxS) Control Segment (UCS) Architecture: RSA Version of UCS ICD Model	20-Dec-16	Published	No
WG1	Airworthiness	Enterprise Operations: Level of Automation/ Autonomy/ Artificial Intelligence (AI)	SAE AS-4UCS Unmanned Systems (UxS) Control Segment Architecture	SAE AIR6517-2016, Unmanned Systems (UxS) Control Segment (UCS) Architecture: Rhapsody Version of UCS ICD Model	20-Dec-16	Published	No
WG1	Airworthiness	Enterprise Operations: Level of Automation/ Autonomy/ Artificial Intelligence (AI)	SAE AS-4UCS Unmanned Systems (UxS) Control Segment Architecture	SAE AIR6519-2016, UxS Control Segment (UCS) Architecture: UCTRACE	20-Dec-16	Published	No
WG1	Airworthiness	Enterprise Operations: Level of Automation/ Autonomy/ Artificial Intelligence (AI)	SAE AS-4UCS Unmanned Systems (UxS) Control Segment Architecture	SAE AIR6520-2016, Unmanned Systems (UxS) Control Segment (UCS) Architecture: Version Description Document	20-Dec-16	Published	Yes
WG1	Airworthiness	Enterprise Operations: Level of Automation/ Autonomy/ Artificial Intelligence (AI)	SAE AS-4UCS Unmanned Systems (UxS) Control Segment Architecture	SAE AIR6521-2016, Unmanned Systems (UxS) Control Segment (UCS) Architecture: Data Distribution Service (DDS)	20-Dec-16	Published	No
WG1	Airworthiness	Enterprise Operations: Level of Automation/ Autonomy/ Artificial Intelligence (AI)	SAE AS-4UCS Unmanned Systems (UxS) Control Segment Architecture	SAE AS6512-2016, Unmanned Systems (UxS) Control Segment (UCS) Architecture: Architecture Description	20-Dec-16	Published	No
WG1	Airworthiness	Enterprise Operations: Level of Automation/ Autonomy/ Artificial Intelligence (AI)	SAE AS-4UCS Unmanned Systems (UxS) Control Segment Architecture	SAE AS6513-2016, Unmanned Systems (UxS) Control Segment (UCS) Architecture: Conformance Specification	20-Dec-16	Published	No
WG2	Operations: General		ASTM E57.02, Imaging Systems Test Methods	ASTM E2919-14, Standard Test Method for Evaluating the Performance of Systems that Measure Static, Six Degrees of Freedom (6DOF), Pose	2014	Published	No
WG2	Operations: General		ASTM E57.02, Imaging Systems Test Methods	ASTM E2938-15, Standard Test Method for Evaluating the Relative-Range Measurement Performance of 3D Imaging Systems in the Medium Range	2015	Published	No
WG2	Operations: General		ASTM E57.02, Imaging Systems Test Methods	ASTM E3064-16, Standard Test Method for Evaluating the Performance of Optical Tracking Systems that Measure Six Degrees of Freedom (6DOF) Pose	2016	Published	No
WG2	Operations: General		ASTM E57.02, Imaging Systems Test Methods	ASTM E3124-17, Standard Test Method for Measuring System Latency Performance of Optical Tracking Systems that Measure Six Degrees of Freedom (6DOF) Pose	2017	Published	No
WG2	Operations: General		ASTM E57.02, Imaging Systems Test Methods	ASTM E3125-17, Standard Test Method for Evaluating the Point-to-Point Distance Measurement Performance of Spherical Coordinate 3D Imaging Systems in the Medium Range	2017	Published	No

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG2	Operations: General		ASTM E57.03, Imaging Systems - Guidelines	ASTM E2641-09(2017). Standard Practice for Best Practices for Safe Application of 3D Imaging Technology	2017	Published	No
WG2	Operations: General		ASTM E57.04, Imaging Systems - Data Interoperability	ASTM E2807-11, Standard Specification for 3D Imaging Data Exchange, Version 1.0	2011	Published	No
WG2	Operations: General		ASTM F37.70, Light Sport Aircraft - Cross Cutting	ASTM F2507-15, Standard Specification for Recreational Airpark Design	2015	Published	No
WG2	Operations: General		ASTM F38.01, Unmanned Aircraft Systems (UAS) - Airworthiness	ASTM F2851-10 Standard Practice for UAS Registration and Marking (Excluding Small Unmanned Aircraft Systems)	2010	Published	Yes
WG2	Operations: General		ASTM F38.02, Unmanned Aircraft Systems (UAS) - Flight Operations	ASTM F2849-10 Standard Practice for Handling of Unmanned Aircraft Systems at Divert Airfields	2010	Published	Yes
WG2	Operations: General		ASTM F38.02, Unmanned Aircraft Systems (UAS) - Flight Operations	ASTM WK28019 New Practice for Selecting sUAS Launch and Recovery		(New) In Development	Yes
WG2	Operations: General		ASTM F38.02, Unmanned Aircraft Systems (UAS) - Flight Operations	ASTM WK59317, New Specification for Vertiport Design		(New) In Development	Yes
WG2	Operations: General		ISO/IEC JTC 1/SC 17, Cards and security devices for personal identification	ISO/IEC AW1 22460, ISO License and Drone Identity Module for Drone (Ultra Light Vehicle or Unmanned aircraft system)		(New) In Development	Yes
WG2	Operations: General		SAE G-30 UAS Operator Qualifications & G-10U Unmanned Aerospace Vehicle	Night operations		Future WIP	Yes
WG2	Operations: General	Privacy	IEEE CES/SC/DWG	IEEE P2025.2 Standard for Consumer Drones: Privacy and Security		(New) In Development	Yes
WG2	Operations: General	Privacy	ISO/TC 20/SC 16, Unmanned Aircraft Systems	ISO/DIS 21384-3, Unmanned aircraft systems - Part 3: Operational procedures		(New) In Development	Yes
WG2	Operations: General	Operational Risk Assessment (ORA)	ASTM F38.02, Unmanned Aircraft Systems (UAS) - Flight Operations	ASTM F3178-16 Standard Practice for Operational Risk Assessment of Small Unmanned Aircraft Systems (sUAS)	2016	Published	Yes
WG2	Operations: General	Operational Risk Assessment (ORA)	JARUS WG2 - Operations	JARUS Ops Cat A & B. This document is developing recommendation for operations of UAS involved in manufacturing, operations, maintenance and service provision. It is based on categorization A & B as per the RPAS Operational categorization of WG 7 and SORA developed by WG 6.		(New) In Development	Yes
WG2	Operations: General	Operational Risk Assessment (ORA)	JARUS WG6 - Safety & Risk Management	JARUS Guidelines on Specific Operations Risk Assessment (SORA) JAR-DEL-WG6-D.04	2017	Published	Yes
WG2	Operations: General	Operational Risk Assessment (ORA)	JARUS WG6 - Safety & Risk Management	JARUS SORA (Package). Specific Operations Risk Assessment and two Annexes: Annex A - Guidelines on collecting and presenting system and operation information for a specific UAS operation, and Annex I - Glossary of Terms	Jul-17	Published	Yes
WG2	Operations: General	Operational Risk Assessment (ORA)	JARUS WG7 - Concepts of Operations	JARUS RPAS Operational Categorization	Aug-18	Published	Yes
WG2	Operations: General	Operational Risk Assessment (ORA)	RTCA SC-203	RTCA DO-304 - Guidance Material and Considerations for Unmanned Aircraft Systems	Mar-07	Published	Yes

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG2	Operations: General	Operational Risk Assessment (ORA)	RTCA SC-203	RTCA DO-320 - Operational Services and Environmental Definition (OSED) for Unmanned Aircraft Systems	Jun-10	Published	Yes
WG2	Operations: General	Beyond Visual Line of Sight	ASTM F38.02, Unmanned Aircraft Systems (UAS) - Flight Operations	ASTM F3196-18, Standard Practice for Seeking Approval for Beyond Visual Line of Sight (BVLOS) Small Unmanned Aircraft System (sUAS) Operations	2018	Published	Yes
WG2	Operations: General	Beyond Visual Line of Sight	SAE G-30 UAS Operator Qualifications & G-10U Unmanned Aerospace Vehicle	Flight beyond visual line of sight		Future WIP	Yes
WG2	Operations: General	Operation Over People	ASTM F38.01, Unmanned Aircraft Systems (UAS) - Airworthiness	ASTM WK52089, New Specification for Operation over People		(New) In Development	Yes
WG2	Operations: General	Operation Over People	ASTM F38.01, Unmanned Aircraft Systems (UAS) - Airworthiness	ASTM WK56338, New Test Methods for Safety of Unmanned Aircraft Systems for Flying Over People		(New) In Development	Yes
WG2	Operations: General	Weather	RTCA SC-206, Aeronautical Information and Meteorological Data Link Services	RTCA DO-358, Minimum Operational Performance Standards (MOPS) for Flight Information Services Broadcast (FIS-B) with Universal Access Transceiver (UAT)	2015	Published	No
WG2	Operations: General	Weather	RTCA SC-206, Aeronautical Information and Meteorological Data Link Services	RTCA DO-364, Minimum Aviation System Performance Standards (MASPS) for Aeronautical Information/Meteorological Data Link Services	2016	Published	No
WG2	Operations: General	Weather	RTCA SC-206, Aeronautical Information and Meteorological Data Link Services	RTCA DO-369, Guidance for the Usage of Data Linked Forecast and Current Wind Information in Air Traffic Management (ATM) Operations	2017	Published	No
WG2	Operations: General	Weather	RTCA SC-206, Aeronautical Information and Meteorological Data Link Services	RTCA DO-358, Minimum Operational Performance Standards (MOPS) for Flight Information Services Broadcast (FIS-B) with Universal Access Transceiver (UAT)		(Revision) In Development	No
WG2	Operations: General	Weather	SAE G-10 W Weather Information Systems Committee	SAE ARP5740, Cockpit Display of Data Linked Weather Information	2015	Published	No
WG2	Operations: General	Data Handling and Processing	OGC	OGC 06-042, OpenGIS Web Map Server Implementation Specification (v1.3)	2006	Published	No
WG2	Operations: General	Data Handling and Processing	OGC	OGC 06-103r4, OpenGIS Implementation Standard for Geographic information - Simple feature access - Part 1: Common architecture (v1.2.1)	2011	Published	No
WG2	Operations: General	Data Handling and Processing	OGC	OGC 07-036r1, OGC Geography Markup Language (GML) — Extended schemas and encoding rules (v3.2)	2012	Published	No
WG2	Operations: General	Data Handling and Processing	OGC	OGC 07-057r7, OpenGIS Web Map Tile Service Implementation Standard (v1)	2010	Published	No
WG2	Operations: General	Data Handling and Processing	OGC	OGC 09-000, OGC Sensor Planning Service Implementation (v2)	2011	Published	No
WG2	Operations: General	Data Handling and Processing	OGC	OGC 09-110r3, OGC Web Coverage Service (WCS) 2.0 Interface Standard - Core (v2)	2010	Published	No
WG2	Operations: General	Data Handling and Processing	OGC	OGC 09-110r4, OGC Web Coverage Service (WCS) 2.0 Interface Standard- Core: Corrigendum (v2.0.1)	2012	Published	No
WG2	Operations: General	Data Handling and Processing	OGC	OGC 09-146r6, OGC Coverage Implementation Schema (v1.1)	2017	Published	No
WG2	Operations: General	Data Handling and Processing	OGC	OGC 10-025r1, Observations and Measurements - XML Implementation (v2)	2011	Published	No

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WG2	Operations: General	Data Handling and Processing	OGC	OGC 10-129r1, OGC Geography Markup Language (GML) – Extended schemas and encoding rules (v3.3)	2012	Published	No
WG2	Operations: General	Data Handling and Processing	OGC	OGC 12-000, OGC Sensor Model Language (SensorML): Model and XML Encoding Standard (v2)	2014	Published	No
WG2	Operations: General	Data Handling and Processing	OGC	OGC 12-006, OGC Sensor Observation Service Interface Standard (v2)	2012	Published	No
WG2	Operations: General	Data Handling and Processing	OGC	OGC 12-007r2, KML 2.3 (v1)	2015	Published	No
WG2	Operations: General	Data Handling and Processing	OGC	OGC 15-078r6, OGC SensorThings API Part 1: Sensing (v1)	2016	Published	No
WG2	Operations: General	Data Handling and Processing	OGC	OGC GML in JPEG 2000 for Geographic Imagery Encoding Standard	2018	Published	No
WG2	Operations: General	Data Handling and Processing	OGC	OGC LAS Specification 1.4, OGC Community Standard	2017	Published	No
WG2	Operations: General	Data Handling and Processing	OGC	OGC Web Processing Service (WPS) 2.0 Interface Standard	2015	Published	No
WG2	Operations: General	Data Handling and Processing	OGC	OGC Wide Area Motion Imagery (WAMI) Best Practice	2012	Published	No
WG2	Operations: General	Data Handling and Processing	OGC	OGC GeoTIFF	mid-2019	(New) In Development	No
WG2	Operations: General	Data Handling and Processing	WXXM	WXXM – Weather Information Exchange Model (WXXM)		Published	No
WG2	Operations: General	UAS Traffic Management (UTM)	ASTM F38.02, Unmanned Aircraft Sytems (UAS) - Flight Operations	ASTM WK63418, New Specification for Service provided under UAS Traffic Management (UTM)		(New) In Development	Yes
WG2	Operations: General	UAS Traffic Management (UTM)	FAA NextGen	UTM CONOPS1.0 released June 2018		Published	Yes
WG2	Operations: General	UAS Traffic Management (UTM)	ISO/TC 20/SC 16, Unmanned Aircraft Systems	ISO/AWI TR 23629-1, UAS Traffic Management (UTM) -- Part 1: General requirements for UTM -- Survey results on UTM.		(New) In Development	Yes
WG2	Operations: General	UAS Traffic Management (UTM)	NUAIR	NUAIR has formalized a Space Act Agreement with NASA for development of the National Unmanned Aerial System Standardized Performance Testing and Rating (NUSTAR) Program			Yes
WG2	Operations: General	Remote ID & Tracking	3GPP S1	3GPP WI810049 Release 16, Feasibility Study and Work Item on Remote Identification of Unmanned Aerial System		(New) In Development	Yes
WG2	Operations: General	Remote ID & Tracking	ASTM F38.02, Unmanned Aircraft Sytems (UAS) - Flight Operations	ASTM WK65041, New Practice for UAS Remote ID and Tracking		(New) In Development	Yes
WG2	Operations: General	Remote ID & Tracking	ATIS	ATIS-I-0000060, Unmanned Aerial Vehicle (UAV) Utilization of Cellular Services – Enabling Scalable and Safe Operation (white paper)	2017	Published	Yes
WG2	Operations: General	Remote ID & Tracking	ATIS	ATIS-I-0000069, Support for UAV Communications in 3GPP Cellular Standards (technical report)	2018	Published	Yes
WG2	Operations: General	Remote ID & Tracking	CTA R6WG23	ANSI/CTA-2063, Small Unmanned Aerial Systems Serial Numbers	2017	Published	Yes
WG2	Operations: General	Remote ID & Tracking	EUROCAE	Minimum Aviation System Performance Specification for UAS e-identification		(New) In Development	Yes

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG2	Operations: General	Remote ID & Tracking	EUROCAE	Minimum Operational Performance Specification for UAS e-identification		(New) In Development	Yes
WG2	Operations: General	Remote ID & Tracking	IEEE COM/SDB/Aerial Networks	IEEE P1920.1 Aerial Communications and Networking Standards		(New) In Development	Yes
WG2	Operations: General	Geo-fencing	EUROCAE	Minimum Aviation System Performance Specification for UAS geo-fencing		(New) In Development	Yes
WG2	Operations: General	Geo-fencing	EUROCAE	Minimum Operational Performance Specification for UAS geo-fencing		(New) In Development	Yes
WG2	Operations: General	Geo-fencing	OGC	OGC 16-120r3, OGC Moving Features Access	2017	Published	Yes
WG2	Operations: General	Geo-fencing	OGC	OGC Web Feature Service 3.0		(Revision) In Development	No
WG2	Operations: General	Geo-fencing	SAE G-30 UAS Operator Qualifications & G-10U Unmanned Aerospace Vehicle	Access to controlled airspace		Future WIP	Yes
WG3	Operations: Vertical Infrastructure Inspections	Boilers and Pressure Vessels	ASME Boiler and Pressure Vessel (BPV) Committee on Nondestructive Examination (V)	Guidelines for unmanned aerial systems (UAS) for inspections; a guidance document that will provide requirements for safe and reliable use of UAS in the performance of examinations.	Oct-19	(New) In Development	Yes
WG3	Operations: Vertical Infrastructure Inspections	Cranes	ASME B30.32 Safety Standards Committee for Cabelways, Cranes, Derricks, Hoists, Hooks, Jacks, and Slings	ASME B30.32-20XX, Unmanned Aircraft Systems (UAS) used in Inspection, Testing, Maintenance, and Lifting Operations	Oct-20	(New) In Development	Yes
WG3	Operations: Vertical Infrastructure Inspections	Building Facades	ACI Committee 201	ACI 201.1R-08, Guide for Conducting a Visual Inspection of Concrete in Service	2008	Published	No
WG3	Operations: Vertical Infrastructure Inspections	Building Facades	ACI Committee 562	ACI 562-16, Code Requirements for Assessment, Repair, and Rehabilitation of Existing Concrete Structures and Commentary	2016	Published	No
WG3	Operations: Vertical Infrastructure Inspections	Building Facades	ASTM E06.55, Performance of Buildings - Performance of Building Enclosures	ASTM E1825-17, Standard Guide for Evaluation of Exterior Building Wall Materials, Products, and Systems	2017	Published	No
WG3	Operations: Vertical Infrastructure Inspections	Building Facades	ASTM E06.55, Performance of Buildings - Performance of Building Enclosures	ASTM E2128-17, Standard Guide for Evaluating Water Leakage of Building Walls	2017	Published	No
WG3	Operations: Vertical Infrastructure Inspections	Building Facades	ASTM E06.55, Performance of Buildings - Performance of Building Enclosures	ASTM E2270-14, Standard Practice for Periodic Inspection of Building Facades for Unsafe Conditions	2014	Published	No
WG3	Operations: Vertical Infrastructure Inspections	Building Facades	ASTM E06.55, Performance of Buildings - Performance of Building Enclosures	ASTM E2841-11, Standard Guide for Conducting Inspections of Building Facades for Unsafe Conditions	2011	Published	No

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG3	Operations: Vertical Infrastructure Inspections	Building Facades	ASTM E06.55, Performance of Buildings - Performance of Building Enclosures	ASTM E2947-16a, Standard Guide for Building Enclosure Commissioning	2016	Published	No
WG3	Operations: Vertical Infrastructure Inspections	Building Facades	ASTM E06.55, Performance of Buildings - Performance of Building Enclosures	ASTM E3036-15, Standard Guide for Notating Facade Conditions in the Field	2015	Published	No
WG3	Operations: Vertical Infrastructure Inspections	Building Facades	ASTM E06.55, Performance of Buildings - Performance of Building Enclosures	ASTM WK43980, New Guide for Assessing Building or Structure Designs for Sliding or Falling Ice and Snow Hazard Potential		(New) In Development	No
WG3	Operations: Vertical Infrastructure Inspections	Building Facades	ASTM E06.55, Performance of Buildings - Performance of Building Enclosures	ASTM WK58243, New Guide for Visual Inspection of Building Facade using Drone		(New) In Development	Yes
WG3	Operations: Vertical Infrastructure Inspections	Building Facades	ASTM E06.75, Performance of Buildings - Building Safety in the Construction Life Cycle	ASTM WK62463, New Practice for Protection of Public and Property During High-rise Construction		(New) In Development	No
WG3	Operations: Vertical Infrastructure Inspections	Building Facades	ASTM/NFPA UAS Public Safety JWG 8	Use Case Scenario – Building Safety & Damage Assessment		(New) In Development	Yes
WG3	Operations: Vertical Infrastructure Inspections	Low-Rise Residential and Commercial Buildings	ASHI			(Still under discussion)	Yes
WG3	Operations: Vertical Infrastructure Inspections	Communications Towers	National Association of Tower Erectors (NATE) UAS Committee	Unmanned Aerial Systems Operations Around Vertical Communications Infrastructure (2nd Edition, January 2017)	2017	Published	Yes
WG3	Operations: Vertical Infrastructure Inspections	Communications Towers	TIA	TIA-222, Structural Standard for Antenna Supporting Structures, Antennas and Small Wind Turbine Support Structures	5-Oct-17	Published	No
WG3	Operations: Vertical Infrastructure Inspections	Communications Towers	TIA	TIA-322, Loading, Analysis, and Design Criteria Related to the Installation, Alteration and Maintenance of Communication Structures	22-Aug-16	Published	No
WG3	Operations: Linear Infrastructure Inspections		ASTM F38.02, Unmanned Aircraft Systems (UAS) - Flight Operations	WK#Pending, Use Case Scenario - Linear Inspections		(New) In Development	Yes
WG3	Operations: Linear Infrastructure Inspections	Bridges	SAE G-30 UAS Operator Qualifications & G-10U Unmanned Aerospace Vehicle	Bridge inspection		Future WIP	Yes

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG3	Operations: Linear Infrastructure Inspections	Railroads	SAE G-30 UAS Operator Qualifications & G-10U Unmanned Aerospace Vehicle	Train right-of-way's		Future WIP	Yes
WG3	Operations: Linear Infrastructure Inspections	Power Transmission Lines	FERC	NERC CIP -14-01, Physical Security		Published	No
WG3	Operations: Linear Infrastructure Inspections	Power Transmission Lines	SAE G-30 UAS Operator Qualifications & G-10U Unmanned Aerospace Vehicle	Power line inspection		Future WIP	Yes
WG3	Operations: Wide Area Environment Infrastructure Inspections/ Precision Agriculture	Environmental Monitoring					
WG3	Operations: Wide Area Environment Infrastructure Inspections/ Precision Agriculture	Pesticide Application	ISO/TC 23/SC 6, Equipment for Crop Protection, WG 20 on Aerial Sprayers and WG 25 on Unmanned Aerial Vehicle Spraying Systems	ISO/DIS 16122-5, Agricultural and forestry machines -- Inspection of sprayers in use -- Part 5: Aerial spray systems -- Environmental protection		(New) In Development	No
WG3	Operations: Wide Area Environment Infrastructure Inspections/ Precision Agriculture	Pesticide Application	ISO/TC 23/SC 6, Equipment for Crop Protection, WG 20 on Aerial Sprayers and WG 25 on Unmanned Aerial Vehicle Spraying Systems	ISO/FDIS 16119-5, Agricultural and forestry machinery -- Environmental requirements for sprayers -- Part 5: Aerial spray systems		(New) In Development	No
WG3	Operations: Wide Area Environment Infrastructure Inspections/ Precision Agriculture	Pesticide Application	ISO/TC 23/SC 6, Equipment for Crop Protection, WG 25 on Unmanned Aerial Vehicle Spraying Systems	UAS sprayers			Yes
WG3	Operations: Wide Area Environment Infrastructure Inspections/ Precision Agriculture	Pesticide Application	SAE G-30 UAS Operator Qualifications & G-10U Unmanned Aerospace Vehicle	Precision agriculture		Future WIP	Yes

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG3	Operations: Wide Area Environment Infrastructure Inspections/ Precision Agriculture	Livestock Monitoring and Pasture Management					
WG3	Commercial Package Delivery		ASTM F38.02, Unmanned Aircraft Systems (UAS) - Flight Operations	ASTM WK62344, Risk Mitigation Strategies for Package Delivery sUAS BVLOS Operations (Appendix to F3196)		(Revision) In Development	Yes
WG3	Commercial Package Delivery		SAE DSRC (Dedicated Short Range Communication Tech Cmte)	SAE J2735_201603, Dedicated Short Range Communications (DSRC) Message Set Dictionary	30-Mar-16	Published	No
WG3	Occupational Safety Requirements for UAS Operated in Workplace		ASSP A10, Committee for Construction and Demolition Operations	Technical Report addressing practices for safe use of drones for construction and demolition operations	2019	(New) In Development	Yes
WG4	Public Safety Operations		ASTM/NFPA UAS Public Safety JWG 4	Use Case Scenario – Structural Fire Response		(New) In Development	Yes
WG4	Public Safety Operations		ASTM/NFPA UAS Public Safety JWG 5	Use Case Scenario – Wildfire Fire Response		(New) In Development	Yes
WG4	Public Safety Operations		NFPA	NFPA 3000, Standard for an Active Shooter/Hostile Event Response (ASHER) Program		Published	No
WG4	Public Safety Operations	sUAS for Public Safety Operations	APSAC	Standards for Public Safety Small Unmanned Aircraft Systems Programs	Oct-17	Published	Yes
WG4	Public Safety Operations	sUAS for Public Safety Operations	NFPA	NFPA® 2400, Standard for Small Unmanned Aircraft Systems (sUAS) Used for Public Safety Operations	Dec-18	Published	Yes
WG4	Public Safety Operations	Hazardous Materials Incident Response and Transport	ASTM/NFPA UAS Public Safety JWG 6	Use Case Scenario – Hazardous Chemicals (RR, Pipelines, Powerline, Bridge, Container, Ports, Spills)		(New) In Development	Yes
WG4	Public Safety Operations	Transport and Post-Crash Procedures Involving Biohazards					
WG4	Public Safety Operations	Forensic Investigations Photogrammetry	ASTM/NFPA UAS Public Safety JWG 1	Use Case Scenario – Accident Reconstruction Mapping		(New) In Development	Yes
WG4	Public Safety Operations	Payload Interface and Control for Public Safety Operations	ASTM/NFPA UAS Public Safety JWG 7	Use Case Scenario – Payload Delivery (Ammunition, Comm's; Medical supply, PFD's)		(New) In Development	Yes
WG4	Public Safety Operations	Search and Rescue (SAR)	ASTM F32.01, Search and Rescue - Equipment, Testing, and Maintenance	ASTM F3222-16, Standard Terminology Relating to F32 Land Search and Rescue Standards and Guides	2016	Published	No
WG4	Public Safety Operations	Search and Rescue (SAR)	ASTM F32.01, Search and Rescue - Equipment, Testing, and Maintenance	ASTM F3262-17, Standard Classification System for Small Unmanned Aircraft Systems (sUASs) for Land Search and Rescue	2017	Published	Yes
WG4	Public Safety Operations	Search and Rescue (SAR)	ASTM F32.02, Search and Rescue - Management and Operations	ASTM F1422-08(2014), Standard Guide for Using the Incident Command System Framework in Managing Search and Rescue Operations	2014	Published	No

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WG4	Public Safety Operations	Search and Rescue (SAR)	ASTM F32.02, Search and Rescue - Management and Operations	ASTM F1583-95(2012), Standard Practice for Communications Procedures—Phonetics	2012	Published	No
WG4	Public Safety Operations	Search and Rescue (SAR)	ASTM F32.02, Search and Rescue - Management and Operations	ASTM F1591-95(2012), Standard Practice for Visual Signals Between Persons on the Ground and in Aircraft During Ground Emergencies	2012	Published	No
WG4	Public Safety Operations	Search and Rescue (SAR)	ASTM F32.02, Search and Rescue - Management and Operations	ASTM F1767-14, Standard Guide for Forms Used for Search and Rescue	2014	Published	No
WG4	Public Safety Operations	Search and Rescue (SAR)	ASTM F32.02, Search and Rescue - Management and Operations	ASTM WK24699, New Guide for Training for Land SAR as a Level I Out-of-Area Disaster Responder		(New) In Development	No
WG4	Public Safety Operations	Search and Rescue (SAR)	ASTM F32.02, Search and Rescue - Management and Operations	ASTM WK25635, New Classification for Additional Human Tracker Skill Levels		(New) In Development	No
WG4	Public Safety Operations	Search and Rescue (SAR)	ASTM F32.03, Search and Rescue - Personnel, Training and Education	ASTM F2209-14, Standard Guide for Training of Land Search Team Member	2014	Published	No
WG4	Public Safety Operations	Search and Rescue (SAR)	ASTM F32.03, Search and Rescue - Personnel, Training and Education	ASTM F2685-14, Standard Guide for Training of a Land Search Team Leader (STL)	2014	Published	No
WG4	Public Safety Operations	Search and Rescue (SAR)	ASTM F32.03, Search and Rescue - Personnel, Training and Education	ASTM F2751-16, Standard Guide for Training of a Land Search and Rescue Team Member	2016	Published	No
WG4	Public Safety Operations	Search and Rescue (SAR)	ASTM F32.03, Search and Rescue - Personnel, Training and Education	ASTM F2852-17, Standard Practice for Training a Land Search Tracker	2017	Published	No
WG4	Public Safety Operations	Search and Rescue (SAR)	ASTM F32.03, Search and Rescue - Personnel, Training and Education	ASTM F2890-17, Standard Guide for Hazard Awareness for Search and Rescue Personnel	2017	Published	No
WG4	Public Safety Operations	Search and Rescue (SAR)	ASTM F32.03, Search and Rescue - Personnel, Training and Education	ASTM F2958-14, Standard Guide for Helicopter Inland Search and Rescue (SAR) Technician	2014	Published	No
WG4	Public Safety Operations	Search and Rescue (SAR)	ASTM F32.03, Search and Rescue - Personnel, Training and Education	ASTM F3024-13, Standard Guide for Training of a Land Search and Rescue (SAR) Strike Team/Task Force Leader	2013	Published	No
WG4	Public Safety Operations	Search and Rescue (SAR)	ASTM F32.03, Search and Rescue - Personnel, Training and Education	ASTM F3026-14, Standard Guide for Helicopter Inland Search and Rescue (SAR) Crew Chief	2014	Published	No
WG4	Public Safety Operations	Search and Rescue (SAR)	ASTM F32.03, Search and Rescue - Personnel, Training and Education	ASTM F3027-13, Standard Guide for Training of Personnel Operating in Mountainous Terrain (Mountain Endorsement)	2013	Published	No
WG4	Public Safety Operations	Search and Rescue (SAR)	ASTM F32.03, Search and Rescue - Personnel, Training and Education	ASTM F3028-13, Standard Guide for Training of Search and Rescue Personnel Operating in the Alpine Environment (Alpine Endorsement)	2013	Published	No
WG4	Public Safety Operations	Search and Rescue (SAR)	ASTM F32.03, Search and Rescue - Personnel, Training and Education	ASTM F3071-14, Standard Guide for Basic Wilderness GPS/GNSS Use (GPS/GNSS-IW) Endorsement	2014	Published	No

WG#	Topic Area	Sub-Section	Developer / Committee	Designation / Title of Document	Publication/ Target Date	Publication Status	UAS Specific?
WG4	Public Safety Operations	Search and Rescue (SAR)	ASTM F32.03, Search and Rescue - Personnel, Training and Education	ASTM F3072-14, Standard Guide for Intermediate Wilderness GPS/GNSS Use (GPS/GNSS-IIW) Endorsement	2014	Published	No
WG4	Public Safety Operations	Search and Rescue (SAR)	ASTM F32.03, Search and Rescue - Personnel, Training and Education	ASTM F3098-16, Standard Guide for Training of Non-Wilderness Land Search Team Member	2016	Published	No
WG4	Public Safety Operations	Search and Rescue (SAR)	ASTM F32.03, Search and Rescue - Personnel, Training and Education	ASTM F3145-15, Standard Guide for Swiftwater/Flood Rescue Technician Basic	2015	Published	No
WG4	Public Safety Operations	Search and Rescue (SAR)	ASTM F32.03, Search and Rescue - Personnel, Training and Education	ASTM F3193-16, Standard Guide for Training of a Land Search and Rescue Team Leader	2016	Published	No
WG4	Public Safety Operations	Search and Rescue (SAR)	ASTM F32.03, Search and Rescue - Personnel, Training and Education	ASTM WK28137, New Guide for Minimum Training of Search and Rescue (SAR) Coordinators		(New) In Development	No
WG4	Public Safety Operations	Search and Rescue (SAR)	ASTM F32.03, Search and Rescue - Personnel, Training and Education	ASTM WK46279, New Guide for Training for Abandoned or Inactive Mine Search and Rescue Team Member Endorsement		(New) In Development	No
WG4	Public Safety Operations	Search and Rescue (SAR)	ASTM/NFPA UAS Public Safety JWG 3	Use Case Scenario – Lost Persons Search and Rescue		(New) In Development	Yes
WG4	Public Safety Operations	Search and Rescue (SAR)	ASTM/NFPA UAS Public Safety JWG 9	Use Case Scenario – SAR – (Closed Structures & external environments)		(New) In Development	Yes
WG4	Public Safety Operations	Search and Rescue (SAR): sUAS FLIR Camera Sensor Capabilities					
WG4	Public Safety Operations	Search and Rescue (SAR): sUAS Automated Waypoint Missions					
WG4	Public Safety Operations	Response Robots	ASTM E54.09, Homeland Security Applications - Response Robots	ASTM E2521-16, Standard Terminology for Evaluating Response Robot Capabilities	2016	Published	Yes
WG4	Public Safety Operations	Response Robots	ASTM E54.09, Homeland Security Applications - Response Robots	ASTM WK58677, Evaluating AerialResponse RobotSensing: Visual Image Acuity		(New) In Development	Yes
WG4	Public Safety Operations	Response Robots	ASTM E54.09, Homeland Security Applications - Response Robots	ASTM WK58925, Evaluating AerialResponse RobotSensing: Visual Color Acuity		(New) In Development	Yes
WG4	Public Safety Operations	Response Robots	ASTM E54.09, Homeland Security Applications - Response Robots	ASTM WK58926, Evaluating AerialResponse RobotSensing: Visual Dynamic Range		(New) In Development	Yes
WG4	Public Safety Operations	Response Robots	ASTM E54.09, Homeland Security Applications - Response Robots	ASTM WK58927, Evaluating AerialResponse RobotSensing: Audio Speech Acuity		(New) In Development	Yes
WG4	Public Safety Operations	Response Robots	ASTM E54.09, Homeland Security Applications - Response Robots	ASTM WK58928, Evaluating AerialResponse RobotSensing: Thermal Image Acuity		(New) In Development	Yes

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WG4	Public Safety Operations	Response Robots	ASTM E54.09, Homeland Security Applications - Response Robots	ASTM WK58929, Evaluating AerialResponse RobotSensing: Thermal Dynamic Range		(New) In Development	Yes
WG4	Public Safety Operations	Response Robots	ASTM E54.09, Homeland Security Applications - Response Robots	ASTM WK58930, Evaluating AerialResponse RobotSensing: Latency of Video, Audio, and Control		(New) In Development	Yes
WG4	Public Safety Operations	Response Robots	ASTM E54.09, Homeland Security Applications - Response Robots	ASTM WK58931, Evaluating AerialResponse RobotManeuvering: Maintain Position and Orientation		(New) In Development	Yes
WG4	Public Safety Operations	Response Robots	ASTM E54.09, Homeland Security Applications - Response Robots	ASTM WK58932, Evaluating AerialResponse RobotManeuvering: Orbit a Point		(New) In Development	Yes
WG4	Public Safety Operations	Response Robots	ASTM E54.09, Homeland Security Applications - Response Robots	ASTM WK58933, Evaluating AerialResponse RobotManeuvering: Avoid Static Obstacles		(New) In Development	Yes
WG4	Public Safety Operations	Response Robots	ASTM E54.09, Homeland Security Applications - Response Robots	ASTM WK58934, Evaluating AerialResponse RobotManeuvering: Pass Through Openings		(New) In Development	Yes
WG4	Public Safety Operations	Response Robots	ASTM E54.09, Homeland Security Applications - Response Robots	ASTM WK58935, Evaluating AerialResponse RobotManeuvering: Land Accurately (Vertical)		(New) In Development	Yes
WG4	Public Safety Operations	Response Robots	ASTM E54.09, Homeland Security Applications - Response Robots	ASTM WK58936, Evaluating AerialResponse RobotSituational Awareness: Identify Objects (Point and Zoom Cameras)		(New) In Development	Yes
WG4	Public Safety Operations	Response Robots	ASTM E54.09, Homeland Security Applications - Response Robots	ASTM WK58937, Evaluating AerialResponse RobotSituational Awareness: Inspect Static Objects		(New) In Development	Yes
WG4	Public Safety Operations	Response Robots	ASTM E54.09, Homeland Security Applications - Response Robots	ASTM WK58938, Evaluating AerialResponse RobotSituational Awareness: Map Wide Areas (Stitched Images)		(New) In Development	Yes
WG4	Public Safety Operations	Response Robots	ASTM E54.09, Homeland Security Applications - Response Robots	ASTM WK58939, Evaluating AerialResponse RobotEnergy/Power: Endurance Range and Duration		(New) In Development	Yes
WG4	Public Safety Operations	Response Robots	ASTM E54.09, Homeland Security Applications - Response Robots	ASTM WK58940, Evaluating AerialResponse RobotEnergy/Power: Endurance Dwell Time		(New) In Development	Yes
WG4	Public Safety Operations	Response Robots	ASTM E54.09, Homeland Security Applications - Response Robots	ASTM WK58941, Evaluating AerialResponse RobotRadio Communications Range: Non Line of Sight		(New) In Development	Yes
WG4	Public Safety Operations	Response Robots	ASTM E54.09, Homeland Security Applications - Response Robots	ASTM WK58942, Evaluating AerialResponse RobotRadio Communication Range : Line of Sight		(New) In Development	Yes
WG4	Public Safety Operations	Response Robots	ASTM E54.09, Homeland Security Applications - Response Robots	ASTM WK58943, Evaluating AerialResponse RobotSafety: Lights and Sounds		(New) In Development	Yes
WG4	Public Safety Operations	Law Enforcement Tactical Operations	ASTM/NFPA UAS Public Safety JWG 2	Use Case Scenario – Tactical Operations (Frequency management, communications relay, lost persons)		(New) In Development	Yes
WG4	Public Safety Operations	Counter-UAS (C-UAS)					

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WG2	Personnel	Terminology	ASTM F38.03, Unmanned Aircraft Systems (UAS) - Personnel Training, Qualification & Certification	ASTM WK62416, New Terminology for Unmanned Aircraft Systems		(New) In Development	Yes
WG2	Personnel	Terminology	ASTM F44.91, General Aviation - Terminology	ASTM F3060-16a, Standard Terminology for Aircraft		Published	No
WG2	Personnel	Terminology	IEEE CES/SC/DWG	IEEE P2025.1 Standard for Consumer Drones: Taxonomy and Definitions		(New) In Development	Yes
WG2	Personnel	Terminology	ISO/TC 20/SC 16, Unmanned Aircraft Systems	ISO/CD 21895, Categorization and classification of civil unmanned aircraft systems		(New) In Development	Yes
WG2	Personnel	Manuals	ASTM F37.20, Light Sport Aircraft - Airplane	ASTM F2745-15, Standard Specification for Required Product Information to be Provided with an Airplane	2015	Published	No
WG2	Personnel	Manuals	ASTM F37.70, Light Sport Aircraft - Cross Cutting	ASTM F2483-18e1, Standard Practice for Maintenance and the Development of Maintenance Manuals for Light Sport Aircraft	2018	Published	No
WG2	Personnel	Manuals	ASTM F38.03, Unmanned Aircraft Systems (UAS) - Personnel Training, Qualification & Certification	ASTM F2908-16 Standard Specification for Aircraft Flight Manual (AFM) for a Small Unmanned Aircraft System (sUAS)	2016	Published	Yes
WG2	Personnel	Manuals	ASTM F38.03, Unmanned Aircraft Systems (UAS) - Personnel Training, Qualification & Certification	ASTM F3330-18, Standard Specification for Training and the Development of Training Manuals for the UAS Operator	2018	Published	Yes
WG2	Personnel	Manuals	ASTM F38.03, Unmanned Aircraft Systems (UAS) - Personnel Training, Qualification & Certification	ASTM WK29229, New Practice for Certification of Pilots, Visual Observers, and Instructor Pilots and Training courses for Small Unmanned Aircraft Systems (sUAS)		(New) In Development	Yes
WG2	Personnel	Manuals	ASTM F38.03, Unmanned Aircraft Systems (UAS) - Personnel Training, Qualification & Certification	ASTM WK62734, New Specification for Specification for the Development of Maintenance Manual for Lightweight UAS		(New) In Development	Yes
WG2	Personnel	Manuals	ASTM F38.03, Unmanned Aircraft Systems (UAS) - Personnel Training, Qualification & Certification	ASTM WK62743, New Specification for Development of Maintenance Manual for Small UAS		(New) In Development	Yes
WG2	Personnel	Manuals	ASTM F38.03, Unmanned Aircraft Systems (UAS) - Personnel Training, Qualification & Certification	ASTM WK62744, New Practice for General Operations Manual for Professional Operator of Light Unmanned Aircraft Systems (UAS)		(New) In Development	Yes
WG2	Personnel	Manuals	JARUS WG1 - Flight Crew Licensing	JARUS FCL GM, Guidance Material to JARUS-FCL Recommendation	Apr-17	Published	Yes
WG2	Personnel	Manuals	JARUS WG1 - Flight Crew Licensing	JARUS FCL Recommendations. The document aims at providing recommendations concerning uniform personnel licensing and competencies in the operation of RPAS	Sep-15	Published	Yes
WG2	Personnel	Manuals	NPSTC	Guidelines for Creating an Unmanned Aircraft System (UAS) Program (v2)	2017	Published	Yes
WG2	Personnel	Manuals	NPSTC	Guidelines for Creating an Unmanned Aircraft System (UAS) Program (v2)	2017	Published	Yes

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WG2	Personnel	UAS Flight Crew/Additional Crew Members	ASTM F38.03, Unmanned Aircraft Systems (UAS) - Personnel Training, Qualification & Certification	ASTM F3266, Standard Guide for Training for Remote Pilot in Command of Unmanned Aircraft Systems (UAS) Endorsement	2018	Published	Yes
WG2	Personnel	UAS Flight Crew/Additional Crew Members	ASTM F38.03, Unmanned Aircraft Systems (UAS) - Personnel Training, Qualification & Certification	ASTM WK61763, New Guide for Training for Remote Pilot Instructor (RPI) of Unmanned Aircraft Systems (UAS) Endorsement		(New) In Development	Yes
WG2	Personnel	UAS Flight Crew/Additional Crew Members	ASTM F38.03, Unmanned Aircraft Systems (UAS) - Personnel Training, Qualification & Certification	ASTM WK61764, New Guide for Training for Public Safety Remote Pilot of Unmanned Aircraft Systems (UAS) Endorsement		(New) In Development	Yes
WG2	Personnel	UAS Flight Crew/Additional Crew Members	ASTM F38.03, Unmanned Aircraft Systems (UAS) - Personnel Training, Qualification & Certification	ASTM WK62741, New Guide for Training UAS Visual Observers		(New) In Development	Yes
WG2	Personnel	UAS Flight Crew/Additional Crew Members	AUVSI Remote Pilots Council	Trusted Operator Program (TOP) training protocols for remote pilots and training organizations	2018	Published	Yes
WG2	Personnel	UAS Flight Crew/Additional Crew Members	Professional Photographers of America (PPA)	PPA Certified Drone Photographer	2017	Published	Yes
WG2	Personnel	UAS Flight Crew/Additional Crew Members	SAE G-30 UAS Operator Qualifications & G-10U Unmanned Aerospace Vehicle	SAE ARP5707, Pilot Training Recommendations for Unmanned Aircraft Systems (UAS) Civil Operations	3-Apr-16	Published	Yes
WG2	Personnel	UAS Flight Crew/Additional Crew Members	SAE G-30 UAS Operator Qualifications & G-10U Unmanned Aerospace Vehicle	Aerial photography		Future WIP	Yes
WG2	Personnel	UAS Flight Crew/Additional Crew Members	SAE G-30 UAS Operator Qualifications & G-10U Unmanned Aerospace Vehicle	Common operator qualifications		Future WIP	Yes
WG2	Personnel	Maintenance Technicians	ASTM F38.03, Unmanned Aircraft Systems (UAS) - Personnel Training, Qualification & Certification	ASTM WK60659, New Guide for UAS Maintenance Technician Qualification		(New) In Development	Yes
WG2	Personnel	Compliance/Audits Programs	ASTM F37.70, Light Sport Aircraft - Cross Cutting	ASTM F2839-11(2016), Standard Practice for Compliance Audits to ASTM Standards on Light Sport Aircraft	2016	Published	No
WG2	Personnel	Compliance/Audits Programs	ASTM F37.70, Light Sport Aircraft - Cross Cutting	ASTM F3205-17, Standard Practice for Independent Audit Program for Light Aircraft Manufacturers	2017	Published	No
WG2	Personnel	Compliance/Audits Programs	ASTM F38.03, Unmanned Aircraft Systems (UAS) - Personnel Training, Qualification & Certification	ASTM WK62730, New Practice for UAS Operator Audit Programs		(New) In Development	Yes
WG2	Personnel	Compliance/Audits Programs	ASTM F38.03, Unmanned Aircraft Systems (UAS) - Personnel Training, Qualification & Certification	ASTM WK62731, New Practice for UAS Operator Compliance Audits		(New) In Development	Yes
WG2	Personnel	Human Factors in UAS Operations	ICAO	ICAO Human Performance Manual (to replace the existing Human Factors Training Manual)		(New) In Development	No

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WG2	Personnel	Human Factors in UAS Operations	ICAO	ICAO RPAS Manual		(Revision) In Development	Yes