

FAA Status Report

June 27, 2024

Closed Actions Since Last PMC

Committee Document Number / Work ID Number	Committee Document Title	SDO Committee Number	FAA Updates	FAA Deliverables / Use of Standard	FAA Document Title	FAA Document Number	FAA Deliverable Signature Date
DO-260C change 1	Minimum Operational Performance Standards for 1090 MHz Extended Squitter Automatic Dependent Surveillance – Broadcast (ADS-B) and Traffic Information Services – Broadcast (TIS-B)	SC-186	FAA is encouraging manufacturers to get a deviation to TSO-C166c to use the updated DO-260C Change 2 which will allow 14 CFR 91.225 and 91.227 compliance.	Rule	§ 91.225 Automatic Dependent Surveillance-Broadcast (ADS-B) Out equipment and use. § 91.227 Automatic Dependent Surveillance-Broadcast (ADS-B) Out equipment performance requirements.	14 CFR 91.225 and 91.227	04/29/24
DO-282C	Minimum Operational Performance Standards for Universal Access Transceiver (UAT) Automatic Dependent Surveillance - Broadcast (ADS-B)	SC-186	FAA Deliverable Published	Rule	§ 91.225 Automatic Dependent Surveillance-Broadcast (ADS-B) Out equipment and use. § 91.227 Automatic Dependent Surveillance-Broadcast (ADS-B) Out equipment performance requirements.	14 CFR 91.225 and 91.227	04/29/24

In Work Documents

Committee Document Number	Committee Document Title	SDO Committee Number	FAA Updates	FAA Deliverables / Use of Standard	FAA Document Number	FAA Document Title	FAA Deliverable Est Target Completion Date
DO-155A	MOPS for Low Range Radar Altimeters	SC-239	Technical Standard Order	Technical Standard Order	C87b	TSO for Airborne Low-Range Radio Altimeters	
DO-160H	Environmental Conditions and Test Procedures for Airborne Equipment	SC-135	Implemented into AC 21-16h	Advisory Circular	21-16H	RTCA Document DO-160 versions D, E and F, Environmental Conditions and Test Procedures for Airborne Equipment	06/30/27
DO-201C	User Requirements for Navigation Data	SC-217	Advisory Circular	Advisory Circular	20-153C	Acceptance of Aeronautical Data Processes and Associated Databases	12/31/24
DO-201C	User Requirements for Navigation Data	SC-217	Technical Standard Order	Technical Standard Order	C165c	Electronic Map Display Equipment for Graphical Depiction of Aircraft Position (Own-Ship)	06/30/26
DO-224E	Signal-in-Space Minimum Aviation System Performance Standards (MASPS) for Advanced VHF Digital Data Communications	SC-214	Invoked via TSO-C160B.	Technical Standard Order	C160b	Very High Frequency (VHF) Digital Link (VDL) Mode 2 Communications Equipment	12/31/25

DO-224E	Signal-in-Space Minimum Aviation System Performance Standards (MASPS) for Advanced VHF Digital Data Communications	SC-214	Invoked via TSO-C160B.	Advisory Circular	20-140D	Guidelines for Design Approval of Aircraft Data Link Communication Systems Supporting Air Traffic Services (ATS)	12/31/24
DO-227B	Minimum Operational Performance Standard for Non-Rechargeable Lithium Batteries	SC-235	Will be implemented into AC 20-192 and TSO C142c	Technical Standard Order	C142c	Non-Rechargeable Lithium Cells and Batteries	12/31/25
DO-227B	Minimum Operational Performance Standard for Non-Rechargeable Lithium Batteries	SC-235	Will be implemented into AC 20-192 and TSO C142c	Advisory Circular	AC 20-192	Guidance on Testing and Installation of Non-rechargeable Lithium cells, Batteries and Batteries within End Items on Aircraft	12/31/25
DO-236D	Minimum Aviation System Performance Standards: Required Navigation Performance for Area Navigation	SC-227	The FAA intends to use the updated minimum requirements in DO-236D for aircraft-level RNP approvals in AC 20-138E	Advisory Circular	20-138E	Airworthiness Approval of Positioning and Navigation Systems	12/31/25
DO-254A	Design Assurance Guidance for Airborne Electronic Hardware	SC-243	Pending scope of the activity as defined in the TOR.	Advisory Circular	AC 20-152B	Development Assurance for Airborne Electronic Hardware	
DO-257C	Minimum Operational Performance Standards for the Depiction of Navigational Information on Electronic Maps/Data Driven Charting	SC-227	Implemented into TSO and AC	Advisory Circular Technical Standard Order	20-138E	Airworthiness Approval of Positioning and Navigation Systems	12/31/25
DO-257C	Minimum Operational Performance Standards for the Depiction of Navigational Information on Electronic Maps/Data Driven Charting	SC-227	Implemented into TSO and AC	Advisory Circular	90-119 change 1	Performance-Based Navigation Operations	12/31/26
DO-257C	Minimum Operational Performance Standards for the Depiction of Navigational Information on Electronic Maps/Data Driven Charting	SC-227	Implemented into TSO and AC	Technical Standard Order	C165c	Electronic Map Display Equipment for Graphical Depiction of Aircraft Position (Own-Ship)	12/31/26
DO-260C change 1	Minimum Operational Performance Standards for 1090 MHz Extended Squitter Automatic Dependent Surveillance – Broadcast (ADS-B) and Traffic Information Services – Broadcast (TIS-B)	SC-186	FAA is encouraging manufacturers to get a deviation to TSO-C166c to use the updated DO-260C Change 2 which will allow 14 CFR 91.225 and 91.227 compliance.	Rule	14 CFR 91.225 and 91.227	§ 91.225 Automatic Dependent Surveillance-Broadcast (ADS-B) Out equipment and use. § 91.227 Automatic Dependent Surveillance-Broadcast (ADS-B) Out equipment performance requirements.	
DO-262G	NGSS avionics MOPS	SC-222	To be invoked via TSO-C159f.	Technical Standard Order	C159f	Next Generation Satellite System (NGSS) Equipment	09/30/24
DO-281D	Minimum Operational Performance Standards (MOPS) for Aircraft VDL Mode 2 Physical Link and Network Layer	SC-214	Invoked via TSO-C160B.	Technical Standard Order	C160b	Very High Frequency (VHF) Digital Link (VDL) Mode 2 Communications Equipment	12/31/25
DO-281D	Minimum Operational Performance Standards (MOPS) for Aircraft VDL Mode 2 Physical Link and Network Layer	SC-214	Invoked via TSO-C160B.	Advisory Circular	20-140D	Guidelines for Design Approval of Aircraft Data Link Communication Systems Supporting Air Traffic Services (ATS)	12/31/24

DO-282C	Minimum Operational Performance Standards for Universal Access Transceiver (UAT) Automatic Dependent Surveillance - Broadcast (ADS-B)	SC-186		Rule	14 CFR 91.225 and 91.227	§ 91.225 Automatic Dependent Surveillance-Broadcast (ADS-B) Out equipment and use. § 91.227 Automatic Dependent Surveillance-Broadcast (ADS-B) Out equipment performance requirements.	
DO-283C	Minimum Operating Performance Standards: Required Navigation Performance for Area Navigation	SC-227	Will be implemented TSO-C115e and AC 20-138e	Advisory Circular	20-138E	Airworthiness Approval of Positioning and Navigation Systems	12/31/24
DO-283C	Minimum Operating Performance Standards: Required Navigation Performance for Area Navigation	SC-227	Will be implemented TSO-C115e and AC 20-138e	Technical Standard Order	C115e	Required Navigation Performance (RNP) Equipment Using Multi-Sensor Inputs.	
DO-326B	Aviation Security Process Specification	SC-216	The FAA has accepted these standards as a method of compliance to existing special conditions through applicant specific issue papers. In addition, the FAA intends to use the standard in an AC to support the Cybersecurity Rule (25.1319) pending comments received in accordance with the Rule.	Advisory Circular	25-XXX	Aircraft Systems Information Security Protection (ASISP)	12/31/24
DO-343E	AMS(R)S voice & data MASPS	SC-222	Passing reference in AC 20-150c	Advisory Circular	20-150C	Airworthiness Approval of Satellite Voice (SATVOICE) Equipment Supporting Air Traffic Service (ATS) Communication	03/30/25
DO-351B Change 1	Interoperability Requirements Standard for Baseline 2 ATS Data Communications (Baseline 2 Interop Standard)	SC-214	Invoked via AC 20-140D	Advisory Circular	20-140D	Guidelines for Design Approval of Aircraft Data Link Communication Systems Supporting Air Traffic Services (ATS)	12/31/24
DO-357A	Minimum Standard Environmental Test Conditions (categories) and Applicable Test Procedures for Airborne Equipment	SC-135	FAA will not be referencing this standard at this time	N/A			
DO-362B	C2 Data Link MOPS (Terrestrial)	SC-228	The FAA is not planning to revise TSO-C213a to use this standard. Applicants are free to propose as means of compliance or propose a deviation to the existing TSO, to use the later standard.	N/A			
DO-364A	Minimum Aviation System Performance Standards (MASPS) for AIS and MET Data Link Services System	SC-206	Will be implemented into AC 00-63	Advisory Circular	00-63X	Use of Cockpit Displays of Digital Weather and Aeronautical Information	03/29/25

DO-365D	Detect and Avoid MOPS	SC-228	The FAA does not currently plan to revise TSO-C211a. The FAA is open to industry proposing as MOC in certification projects.	N/A			
DO-373A	Minimum Operational Performance Standard for GNSS Active Antenna in the L1/E1 and L5/E5A Bands	SC-159	Technical Standard Order	Technical Standard Order	C215		
DO-392A	Guidance for Security Event Management	SC-216		TBD			
DO-395	Integration of COTS, Open Source and Service History into Software	SC-240	AC 20-115E will be written to include to the list of DO-178C supplements (E.g. DO-330, 331, 332, 333).	Advisory Circular	20-115E	Airborne Software Development Assurance Using EUROCAE ED-12() and RTCA DO-178()	
DO-CELL	MOPS for Cellular	SC-228					
DO-NEW	GNSS (GBAS) L1/L5 MOPS	SC-159	Technical Standard Order	Technical Standard Order	TBD	TBD	
DO-UHF	MOPS for UHF comms	SC-228			TBD		
DO-XXX	Cellular Band C2 Link System MOPS	SC-228	Issue Paper	Issue Paper			
DO-XXX	ATS Data Communication Verification Test Standard	SC-214	Will go into an AC	Advisory Circular	20-140D	Guidelines for Design Approval of Aircraft Data Link Communication Systems Supporting Air Traffic Services (ATS)	12/31/24
DO-XXX	Software Considerations in Lower Risk Applications, Equipment Certifications and Approvals	SC-240	The FAA is no longer actively participating this activity.				
DO-XXX	Minimum Operational Performance Standards for Airborne Collision Avoidance System Xr (ACAS Xr)	SC-147	To be invoked via new TSO and new AC(s).	Advisory Circular	20-XXX	New AC	09/01/26
DO-XXX	Minimum Operational Performance Standards for Airborne Collision Avoidance System Xr (ACAS Xr)	SC-147	To be invoked via new TSO and new AC(s).	Technical Standard Order			
DO-XXX	Spectrum Guidance for the Developers of Standards for Aviation Radio Frequency Systems	SC-242	TBD	TBD	TBD	TBD	
DO-XXX	UHF Band C2 Link System MOPS	SC-228	Issue Paper	Issue Paper		TBD	
DO-XXX	MASPS for a Combined Vision System for Helicopter Operations for Low Visibility Operational Credit	SC-213	The FAA hasn't determined how this document will be implemented.	TBD	TBD	TBD	12/31/25
DO-XXX	MASPS for Synthetic Vision Systems, Synthetic Vision Guidance Systems, Aircraft State Awareness-Synthetic Vision Systems, & Combined Vision Systems	SC-213	To be implemented in revised ACs (revision to AC 20-185B)	Advisory Circular	20-185B	Airworthiness Approval of Synthetic Vision Systems, Synthetic Vision Guidance Systems and Aircraft State Awareness Synthetic Vision Systems	12/31/25
DO-XXX	MASPS for Enhanced Vision Systems, Enhanced Flight Vision Systems, Combined Vision Systems	SC-213	To be implemented in revised ACs (revision to AC 20-167C)	Advisory Circular	20-167C	Installation Guidance for EVS, EFVS, CVS	
DO-XXX-DSEC	Process Standard for Data Security	SC-216		Advisory Circular	TBD	TBD	

DO-XXX-ISMS	Process Standard for Internet Security Management Systems	SC-216	FAA has not yet made a final decision for how to use this standard.	TBD	TBD	TBD	
-------------	---	--------	---	-----	-----	-----	--

RTCA Documents Pending PMC Approval

Committee Document Number / Work ID Number	Committee Document Title	SDO Committee Number	FAA Updates	FAA Deliverables / Use of Standard	FAA Document Number	FAA Document Title	FAA Deliverable Est Target Completion Date
DO-200C	Aeronautical Databases	SC-217	Advisory Circular	Advisory Circular	20-153C	Acceptance of Aeronautical Data Processes and Associated Databases	06/30/25
DO-292A	Assessment of Radio Frequency Interference Relevant to the GNSS L5/E5A Frequency Band	SC-159	Input document to antenna and receiver standards; No FAA guidance will be published.	N/A			
DO-402	Minimum Operating Performance Specification (MOPS) for Wireless Avionics Intra-Communication Equipment within 4200-4400 MHz	SC-236	TBD.	TBD			
DO-317C Change 1	Minimum Operational Performance Standards (MOPS) for Aircraft Surveillance Applications (ASA) System	SC-186	AC 20-172c. TSO-C195c published 6/15/23. Change 1 does not affect TSO-C195c and there are no plans for an update to the TSO.	Advisory Circular	20-172C	Airworthiness Approval for ADS-B In Systems and Applications	01/31/25

Published Documents Pending FAA Action

Committee Document Number / Work ID Number	Committee Document Title	SDO Committee Number	FAA Updates	FAA Deliverables / Use of Standard	FAA Document Number	FAA Document Title	FAA Deliverable Est Target Completion Date
DO-181F	Minimum Operational Performance Standards for Air Traffic Control Radar Beacon System/Mode Select (ATCRBS/MODE S) Airborne Equipment	SC-209	Has been implemented into TSO-C112f. Will be implemented into AC-20-Mode-S	Advisory Circular	20-ModeS	Mode S Transponders	01/31/25
DO-181F Change 1	Minimum Operational Performance Standards for Air Traffic Control Radar Beacon System/Mode Select (ATCRBS/MODE S) Airborne Equipment	SC-209	Has been implemented into TSO-C112f. Will be implemented into AC-20-Mode-S	Advisory Circular	20-ModeS	Mode S Transponders	01/31/25
DO-220B	Airborne Weather Detection Systems	SC-230	Updating AC 20-182B and TSO-C63g.	Advisory Circular	20-182B	Airworthiness Approval for Airborne Weather Radar Systems.	12/31/24
DO-220B	Airborne Weather Detection Systems	SC-230	Updating AC 20-182B and TSO-C63g.	Technical Standard Order	C63g	Airborne Weather Radar Equipment	12/31/24
DO-230M	Standards for Airport Security Access Control Systems	SC-224		Order	TBD		

DO-260C change 1	Minimum Operational Performance Standards for 1090 MHz Extended Squitter Automatic Dependent Surveillance – Broadcast (ADS-B) and Traffic Information Services – Broadcast (TIS-B)	SC-186	TSO and AC. TSO-C166c is complete. AC 20-165C is in internal review (on 1/25/2024).	Advisory Circular	20-165C	Approval of ADS-B Out Installations	12/31/25
DO-282C	Minimum Operational Performance Standards for Universal Access Transceiver (UAT) Automatic Dependent Surveillance - Broadcast (ADS-B)	SC-186	AC and TSO. TSO-C154d is complete. AC 20-165C is in internal review (on 1/25/2024)..	Advisory Circular	20-165C	Approval of ADS-B Out Installations	12/31/25
DO-307B	1) Aircraft Design and Certification for Portable Electronic Device (PED) Tolerance, and 2) Guidance for the Development of Portable Electronic Devices (PED) Tolerance for Civil Aircraft	SC-234	The FAA intends to invoke via AC 20-164B.	Advisory Circular	20-164B	Use of Portable Electronic Devices Aboard Aircraft	12/31/24
DO-311A	Minimum Operational Performance Standards for Rechargeable Lithium Batteries and Battery Systems	SC-225	AC 20-184A	Advisory Circular	20-184A	Guidance on Testing and Installation of Rechargeable Lithium Battery and Battery Systems on Aircraft	12/31/24
DO-326A	Aviation Security Process Specification	SC-216	RTCA SC-186: Automatic Dependent Surveillance-Broadcast (ADS-B)	Advisory Circular	20-XXX	Aircraft Systems Information Security Protection (ASISP)	
DO-328B	Safety, Performance And Interoperability Requirements Document For Airborne Spacing - Flight Deck Interval Management (ASPA-FIM)	SC-186	AC 20-172C is in development.	Advisory Circular	20-172C	Airworthiness Approval for ADS-B In Systems and Applications	01/31/25
DO-350B Volume 1 & 2	Safety and Performance Standard	SC-214	Invoked via AC 20-140D.	Advisory Circular	20-140D	Guidelines for Design Approval of Aircraft Data Link Communication Systems Supporting Air Traffic Services (ATS)	12/31/24
DO-351B Volume 1 & 2	Interoperability Requirements Standard for Baseline 2 ATS Data Communications (Baseline 2 Interop Standard)	SC-214	Invoked via AC 20-140D	Advisory Circular	20-140D	Guidelines for Design Approval of Aircraft Data Link Communication Systems Supporting Air Traffic Services (ATS)	12/31/24
DO-352B	Interoperability Requirements Standard for Baseline 2 ATS Data Communications, FANSA 1/A Accommodation (FANS 1/A-Baseline 2 Interop Standard)	SC-214	Invoked via AC 20-140D.	Advisory Circular	20-140D	Guidelines for Design Approval of Aircraft Data Link Communication Systems Supporting Air Traffic Services (ATS)	12/31/24
DO-353B	Interoperability Requirements Standard for Baseline 2 ATS Data Communications, ATN Baseline 1 Accommodation (ATN Baseline 1 - Baseline 2 Interop Standard)	SC-214	Invoked via AC 20-140D.	Advisory Circular	20-140D	Guidelines for Design Approval of Aircraft Data Link Communication Systems Supporting Air Traffic Services (ATS)	12/31/24

DO-355A	Information Security Guidance for Continuing Airworthiness	SC-216	The FAA has accepted these standards as a method of compliance to existing special conditions through applicant specific issue papers. In addition, the FAA intends to use the standard in an AC to support the Cybersecurity Rule (25.1319) pending comments received in accordance with the Rule.	Advisory Circular	20-XXX	Aircraft Systems Information Security Protection (ASISP)	
DO-356A	Airworthiness Security Methods and Considerations	SC-216	The FAA has accepted these standards as a method of compliance to existing special conditions through applicant specific issue papers. In addition, the FAA intends to use the standard in an AC to support the Cybersecurity Rule (25.1319) pending comments received in accordance with the Rule.	Advisory Circular	20-XXX	Aircraft Systems Information Security Protection (ASISP)	
DO-363A	Guidance for the Development of Portable Electronic Devices (PED) Tolerance for Civil Aircraft	SC-234	The FAA plans to update AC 91.21-1	Advisory Circular	91.21-1E	Use of Portable Electronic Devices Aboard Aircraft	
DO-376 Change 1	Minimum Operating Performance Standard for Helicopter Terrain Awareness and Warning Systems (HTAWS) for Offshore Helicopter Operations	SC-237	Implemented into a new TSO	Technical Standard Order	CXXX		09/30/24
DO-384	GNSS-Aided Inertial System MOPS	SC-159	TSO C-220 and AC 20-138e. TSO open for public comment through 4/1/23.	Advisory Circular	20-138E	Airworthiness Approval of Positioning and Navigation Systems	12/31/24
DO-385A	Minimal Operational Performance Standards for Airborne Collision Avoidance System X (ACAS X) (ACAS Xa and ACAS Xo)	SC-147	Referenced in TSO-C219a and AC 20-ACAS-X	Advisory Circular	20-ACAS-X		05/31/25
DO-390	Test Procedures for Quantified Visual Advantage	SC-213	AC 20-167B is in internal review.	Advisory Circular	20-167B	Airworthiness Approval of Enhanced Vision System, Enhanced Flight Vision System, and Combined Vision System Equipment	12/31/25
DO-391	Aeronautical Information System Security Framework Guidance	SC-216	FAA has not yet made a final decision for how to use this standard.	TBD	TBD	TBD	
DO-392	Guidance for Security Event Management	SC-216	FAA has not yet identified a pathway to implement the document in policy.	TBD	TBD	TBD	
DO-394	Considerations for Aeronautical Data Alteration	SC-217	Advisory Circular	Advisory Circular	20-153C	Acceptance of Aeronautical Data Processes and Associated Databases	12/31/24
DO-400	GM for Lost C2 Link UAS Behavior, presented by SC-228, Minimum Performance Standards (MPS) for Uncrewed Aircraft Systems	SC-228	The FAA is evaluating how to use this standard. The FAA is open to applicants proposing to use as a method of compliance.	TBD	TBD	TBD	

DO-401 / (ED-259 Revision)	GNSS (SBAS) L1/L5 MOPS	SC-159	Technical Standard Order.	Technical Standard Order	TBD	TBD	
DO-403	System Performance and Interoperability Requirements for Non-Cooperative UAS Detection System	SC-238	TBD	TBD	TBD	TBD	
DO-404	Minimum Aviation System Performance Standard for ATN/IPS	SC-223	Implemented into AC 20-140D	Advisory Circular	20-140D	Guidelines for Design Approval of Aircraft Data Link Communication Systems Supporting Air Traffic Services (ATS)	12/31/24
DO-405	Minimum Operating Performance Standard for Helicopter Terrain Awareness and Warning Systems (HTAWS) for Onshore Helicopter Operations	SC-237	Technical Standard Order	Technical Standard Order	CXXX	TBD	09/30/24