

FAA Status Report

September 26 2024

Closed Actions Since Last PMC

No Closed Actions Since the Last PMC

RTCA In Work Documents

SDO Committee Number	Committee Document Number / Work ID Number	Committee Document Title	Target Standards Publication Date (if known)	FAA Updates	FAA Deliverables / Use of Standard	FAA Document Number	FAA Document Title	FAA Deliverable Est Target Completion Date
SC-239	DO-155A	MOPS for Low Range Radar Altimeters	12/31/24	Technical Standard Order	Technical Standard Order	C87b	TSO for Airborne Low-Range Radio Altimeters	TBD
SC-135	DO-160H	Environmental Conditions and Test Procedures for Airborne Equipment	6/30/2028	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
SC-217	DO-201C	User Requirements for Navigation Data	12/19/25	Advisory Circular	Advisory Circular	20-153C	Acceptance of Aeronautical Data Processes and Associated Databases	12/31/25
SC-217	DO-201C	User Requirements for Navigation Data	12/19/25	Technical Standard Order	Technical Standard Order	C165c	Electronic Map Display Equipment for Graphical Depiction of Aircraft Position (Own-Ship)	06/30/26
SC-214	DO-224E	Signal-in-Space Minimum Aviation System Performance Standards (MASPS) for Advanced VHF Digital Data Communications	12/31/24	Invoked via TSO-C160B.	Technical Standard Order	C160b	Very High Frequency (VHF) Digital Link (VDL) Mode 2 Communications Equipment	12/31/25
SC-214	DO-224E	Signal-in-Space Minimum Aviation System Performance Standards (MASPS) for Advanced VHF Digital Data Communications	12/31/24	Invoked via TSO-C160B.	Advisory Circular	20-140D	Guidelines for Design Approval of Aircraft Data Link Communication Systems Supporting Air Traffic Services (ATS)	06/30/25
SC-235	DO-227B	Minimum Operational Performance Standard for Non-Rechargeable Lithium Batteries	09/30/24	Implement into TSO C142c	Technical Standard Order	C142c	Non-Rechargeable Lithium Cells and Batteries	12/31/25
SC-235	DO-227B	Minimum Operational Performance Standard for Non-Rechargeable Lithium Batteries	09/30/24	Implement into AC 20-192	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
SC-235	DO-227B	Minimum Operational Performance Standard for Non-Rechargeable Lithium Batteries	09/30/24	Implement into AC 20-192	Advisory Circular	20-184A	Guidance on Testing and Installation of Rechargeable Lithium Battery and Battery Systems on Aircraft	12/31/2024
SC-227	DO-236D	Minimum Aviation System Performance Standards: Required Navigation Performance for Area Navigation	06/30/24	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

RTCA In Work Documents, Continued

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SC-243	DO-254A	Design Assurance Guidance for Airborne Electronic Hardware	TBD	Implemented into AC	Advisory Circular	AC 20-152B	Development Assurance for Airborne Electronic Hardware	12/31/24
SC-227	DO-257C	Minimum Operational Performance Standards for the Depiction of Navigational Information on Electronic Maps/Data Driven Charting	12/31/26	Implemented into TSO and AC	Advisory Circular	20-138E	Airworthiness Approval of Positioning and Navigation Systems	12/31/25
SC-227	DO-257C	Minimum Operational Performance Standards for the Depiction of Navigational Information on Electronic Maps/Data Driven Charting	12/31/26	Implemented into TSO and AC	Advisory Circular	90-119 change 1	Performance-Based Navigation Operations	12/31/26
SC-227	DO-257C	Minimum Operational Performance Standards for the Depiction of Navigational Information on Electronic Maps/Data Driven Charting	12/31/26	Implemented into TSO and AC	Technical Standard Order	C165c	Electronic Map Display Equipment for Graphical Depiction of Aircraft Position (Own-Ship)	12/31/26
SC-186	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)		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.	TBD
SC-222	DO-262G	NGSS avionics MOPS	03/01/24	To be invoked via TSO-C159f.	Technical Standard Order	C159f	Next Generation Satellite System (NGSS) Equipment	6/30/2025
SC-214	DO-281D	Minimum Operational Performance Standards (MOPS) for Aircraft VDL Mode 2 Physical Link and Network Layer	12/31/24	Invoked via TSO-C160B.	Technical Standard Order	C160b	Very High Frequency (VHF) Digital Link (VDL) Mode 2 Communications Equipment	12/31/25
SC-214	DO-281D	Minimum Operational Performance Standards (MOPS) for Aircraft VDL Mode 2 Physical Link and Network Layer	12/31/24	Invoked via TSO-C160B.	Advisory Circular	20-140D	Guidelines for Design Approval of Aircraft Data Link Communication Systems Supporting Air Traffic Services (ATS)	06/30/25
SC-227	DO-283C	Minimum Operating Performance Standards: Required Navigation Performance for Area Navigation	11/30/24	Will be implemented TSO-C115e and AC 20-138e	Advisory Circular	20-138E	Airworthiness Approval of Positioning and Navigation Systems	12/31/25
SC-227	DO-283C	Minimum Operating Performance Standards: Required Navigation Performance for Area Navigation	11/30/24	Will be implemented TSO-C115e and AC 20-138e	Technical Standard Order	C115E	Required Navigation Performance (RNP) Equipment Using Multi-Sensor Inputs.	TBD
SC-222	DO-343E	AMS(R)S voice & data MASPS	03/01/24	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

RTCA In Work Documents, Continued

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SC-135	DO-357A	Minimum Standard Environmental Test Conditions (categories) and Applicable Test Procedures for Airborne Equipment	06/30/26	FAA will not be referencing this standard at this time	N/A	N/A	N/A	N/A
SC-228	DO-362B	C2 Data Link MOPS (Terrestrial)	10/31/2024	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	N/A	N/A	N/A
SC-206	DO-364A	Minimum Aviation System Performance Standards (MASPS) for AIS and MET Data Link Services System	03/31/25	Will be implemented into AC 00-63	Advisory Circular	00-63X	Use of Cockpit Displays of Digital Weather and Aeronautical Information	03/29/25
SC-228	DO-365D	Detect and Avoid MOPS	12/31/24	The FAA does not currently plan to revise TSO-C211a. The FAA is open to industry proposing as MOC in certification projects.	N/A	N/A	N/A	N/A
SC-228	DO-366A	Air-to-air Radar (ATAR) MOPS	03/31/25	Technical Standard Order	Technical Standard Order	C212a	Air-to-Air Radar (ATAR) for Traffic Surveillance	06/30/25
SC-159	DO-373A	Minimum Operational Performance Standard for GNSS Active Antenna in the L1/E1 and L5/E5A Bands	12/31/23	Technical Standard Order	Technical Standard Order	C215	TBD	2/28/2025
SC-135	DO-380A	Environmental Conditions and Test Procedures for Ground Equipment	12/01/25	The FAA will not reference this standard at this time	N/A	N/A	N/A	N/A
SC-238	DO-389A	OSD for Counter UAS Systems in Controlled Airspace	10/31/2024	FAA has not determined if it will implement this standard at this time	N/A	N/A	N/A	N/A
SC-216	DO-392A	Guidance for Security Event Management	12/31/24	FAA has not determined if it will implement this standard at this time	TBD	TBD	TBD	TBD
SC-240	DO-395	Integration of COTS, Open Source and Service History into Software	TBD	Implemented into AC 20-115E	Advisory Circular	20-115E	Airborne Software Development Assurance Using EUROCAE ED-12 and RTCA DO-178	TBD
SC-213	DO-407	Minimum Aviation System Performance Standards (MASPS) for Synthetic Vision Systems, Synthetic Vision Guidance Systems and Combined Vision Systems	TBD	Implemented into AC	Advisory Circular	20-167B	Airworthiness Approval of Enhanced Vision System, Synthetic Vision System, Combined Vision System, and Enhanced Flight Vision System Equipment	12/31/25

SC-159	DO-NEW	GNSS (GBAS) L1/L5 MOPS		Technical Standard Order	Technical Standard Order	TBD	TBD	TBD
RTCA In Work Documents, Continued								
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SC-228	DO-XXX	Cellular Band C2 Link System MOPS	03/30/24	The FAA will not be referencing this standard at this time. The FAA is open to industry proposing as MOC in certification projects.	N/A	N/A	N/A	N/A
SC-214	DO-XXX	ATS Data Communication Verification Test Standard	10/31/25	Will go into an AC	Advisory Circular	20-140D	Guidelines for Design Approval of Aircraft Data Link Communication Systems Supporting Air Traffic Services (ATS)	06/30/25
SC-147	DO-XXX	Minimum Operational Performance Standards for Airborne Collision Avoidance System Xr (ACAS Xr)	09/01/25	To be invoked via new TSO and new AC(s).	Advisory Circular	20-XXX	TBD	09/01/26
SC-147	DO-XXX	Minimum Operational Performance Standards for Airborne Collision Avoidance System Xr (ACAS Xr)	09/01/25	To be invoked via new TSO and new AC(s).	Technical Standard Order	CXXX	TBD	TBD
SC-242	DO-XXX	Spectrum Guidance for the Developers of Standards for Aviation Radio Frequency Systems	06/30/25	TBD	TBD	TBD	TBD	TBD
SC-228	DO-XXX	UHF Band C2 Link System MOPS	03/30/24	The FAA will not be referencing this standard at this time. The FAA is open to industry proposing as MOC in certification projects.	N/A	N/A	N/A	N/A
SC-213	DO-XXX	MASPS for a Combined Vision System for Helicopter Operations for Low Visibility Operational Credit	12/12/2024	The FAA hasn't determined how this document will be implemented.	TBD	TBD	TBD	TBD
SC-213	DO-XXX	MASPS for Synthetic Vision Systems, Synthetic Vision Guidance Systems, Aircraft State Awareness-Synthetic Vision Systems, & Combined Vision Systems	12/31/24	To be implemented in revised ACs (revision to AC 20-185B)	Advisory Circular	20-185C	Vision Systems, Synthetic Vision Guidance Initiated by: AIR-600 Systems and Aircraft State Awareness Synthetic Vision Systems	TBD
SC-228	DO-XXX	UHF Band C2 Link System MOPS	01/31/24	MOC for Part 108/146 rule, and to be implemented in AC 20-187	Advisory Circular	TBD	TBD	TBD
SC-216	DO-XXX-DSEC	Process Standard for Data Security	12/31/24	Will go into an AC	Advisory Circular	TBD	TBD	TBD
SC-216	DO-XXX-ISMS	Process Standard for Internet Security Management Systems	12/31/24	FAA has not yet made a final decision for how to use this standard.	TBD	TBD	TBD	TBD

SC-228	DO-YYY	C2 Link MOPS for Cellular Networks	01/31/25	To be implemented in AC 20-187	Advisory Circular	TBD	TBD	TBD
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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-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	N/A	N/A	N/A	
DO-326B		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)	06/30/25	
DO-326B		SC-216		Policy Statement	PS-AIR-20-01		06/30/25	
DO-351B Change 1	Interoperability Requirements Standard for Baseline 2 ATS Data Communications (Baseline 2 Interop Standard)	SC-214	To be implemented in AC 20-140D	Advisory Circular	20-140D	Guidelines for Design Approval of Aircraft Data Link Communication Systems Supporting Air Traffic Services (ATS)	06/30/25	
DO-406	Minimum Operational Performance Standards for Ultra High Frequency Airborne Radio Systems Supporting UAS C2 Link Systems	SC-228	To be used as MOC for Parts 108/146, and to be implemented in AC-20-187.	Advisory Circular	20-187	TBD	TBD	
DO-402	Minimum Operating Performance Specification (MOPS) for Wireless Avionics Intra-Communication Equipment within 4200-4400 MHz	SC-236	Could be applicable to project specific policy for example, referenced in Issue Paper.	TBD	TBD	TBD	TBD	
DO-280B	INTEROP for Aeronautical Telecommunication Network Baseline 1 (ATN B1 Interop Standard) Change 2	SC-214	The FAA does not intend to implement this document at this time.	N/A	N/A	N/A	N/A	
DO-379A	Technical Standard of Aviation Profiles for Internet Protocol Suite Update	SC-223	The FAA does not intend to implement this document at this time.	N/A	N/A	N/A	N/A	
DO-407	Minimum Aviation System Performance Standards (MASPS) for Synthetic Vision Systems, Synthetic Vision Guidance Systems and 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-408		SC-213	To be implemented in revised ACs (revision to AC 20-167C)	Advisory Circular	20-167B	Airworthiness Approval of Enhanced Vision System, Enhanced Flight Vision System, and Combined Vision System Equipment	12/31/25
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RTCA Published Documents Pending FAA Action

Committee Document Number / Work ID Number	Committee Document Title	FAA Updates	FAA Deliverables / Use of Standard	FAA Document Number	FAA Document Title	FAA Deliverable Est Target Completion Date
DO-178C	Software Considerations in Airborne Systems and Equipment Certification	New ACs (00-71 & 20-189) have been published. The ACs provide clarification to open problem reports and to harmonize with EASA. AC 20-193 published on 1/8/24.	Policy Statement	PS-AIR-20-01	Aircraft Systems Information Security Protection (ASISP) for Parts 27 and 29 Aircraft	TBD
DO-181F	Minimum Operational Performance Standards for Air Traffic Control Radar Beacon System/Mode Select (ATCRBS/MODE S) Airborne Equipment	Has been implemented into TSO-C112f. Will be implemented into AC-20-Mode-S	Advisory Circular	20-ModeS	Mode S Transponders	03/31/25
DO-181F Change 1	Minimum Operational Performance Standards for Air Traffic Control Radar Beacon System/Mode Select (ATCRBS/MODE S) Airborne Equipment	Has been implemented into TSO-C112f. Will be implemented into AC-20-Mode-S	Advisory Circular	20-ModeS	Mode S Transponders	03/31/25
DO-200C	Aeronautical Databases	Advisory Circular	Advisory Circular	20-153C	Acceptance of Aeronautical Data Processes and Associated Databases	06/30/25
DO-220B	Airborne Weather Detection Systems	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	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	Will be implemented into new Order	Order	TBD	TBD	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)	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-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	Will be implemented into an AC	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	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-317C Change 1	Minimum Operational Performance Standards (MOPS) for Aircraft Surveillance Applications (ASA) System	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
DO-326A	Aviation Security Process Specification	Will be implemented into an AC	Advisory Circular	20-XXX	Aircraft Systems Information Security Protection (ASISP)	12/31/2024

RTCA Published Documents Pending FAA Action, Continued

Committee Document Number / Work ID Number	Committee Document Title	FAA Updates	FAA Deliverables / Use of Standard	FAA Document Number	FAA Document Title	FAA Deliverable Est Target Completion Date
DO-328B	Safety, Performance And Interoperability Requirements Document For Airborne Spacing - Flight Deck Interval Management (ASPA-FIM)	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	Invoked via AC 20-140D.	Advisory Circular	20-140D	Guidelines for Design Approval of Aircraft Data Link Communication Systems Supporting Air Traffic Services (ATS)	06/30/25
DO-351B Volume 1 & 2	Interoperability Requirements Standard for Baseline 2 ATS Data Communications (Baseline 2 Interop Standard)	Invoked via AC 20-140D	Advisory Circular	20-140D	Guidelines for Design Approval of Aircraft Data Link Communication Systems Supporting Air Traffic Services (ATS)	06/30/25
DO-352B	Interoperability Requirements Standard for Baseline 2 ATS Data Communications, FANSA 1/A Accommodation (FANS 1/A-Baseline 2 Interop Standard)	Invoked via AC 20-140D.	Advisory Circular	20-140D	Guidelines for Design Approval of Aircraft Data Link Communication Systems Supporting Air Traffic Services (ATS)	06/30/25
DO-353B	Interoperability Requirements Standard for Baseline 2 ATS Data Communications, ATN Baseline 1 Accommodation (ATN Baseline 1 - Baseline 2 Interop Standard)	Invoked via AC 20-140D.	Advisory Circular	20-140D	Guidelines for Design Approval of Aircraft Data Link Communication Systems Supporting Air Traffic Services (ATS)	06/30/25
DO-355A	Information Security Guidance for Continuing Airworthiness	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)	12/31/2024

DO-356A	Airworthiness Security Methods and Considerations	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)	12/31/2024
DO-376 Change 1	Minimum Operating Performance Standard for Helicopter Terrain Awareness and Warning Systems (HTAWS) for Offshore Helicopter Operations	Implemented into a new TSO	Technical Standard Order	CXXX		09/30/24
DO-384	GNSS-Aided Inertial System MOPS	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)	Referenced in TSO-C219a and AC 20-ACAS-X	Advisory Circular	20-ACAS-X		05/31/25

RTCA Published Documents Pending FAA Action, Continued

Committee Document Number / Work ID Number	Committee Document Title	FAA Updates	FAA Deliverables / Use of Standard	FAA Document Number	FAA Document Title	FAA Deliverable Est Target Completion Date
DO-391	Aeronautical Information System Security Framework Guidance	FAA has not yet made a final decision for how to use this standard.	TBD	TBD	TBD	TBD
DO-394	Considerations for Aeronautical Data Alteration	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	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	TBD