

FAA Status Report

December 12, 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 Comments for Stakeholders Reports	FAA Deliverables / Use of Standard	FAA Document Number	FAA Document Title	FAA Deliverable Signature Date
SC-135	DO-160H	Environmental Conditions and Test Procedures for Airborne Equipment	TBD	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-200C	Aeronautical Databases	12/31/25	Advisory Circular	Advisory Circular	AC 20-153C	Acceptance of Aeronautical Data Processes and Associated Databases	06/30/25
SC-217	DO-201C	User Requirements for Navigation Data	12/31/25	Advisory Circular	Advisory Circular	AC 20-153C	Acceptance of Aeronautical Data Processes and Associated Databases	06/30/25
SC-217	DO-201C	User Requirements for Navigation Data	12/31/25	Technical Standard Order	Technical Standard Order	TSO-C165c	Electronic Map Display Equipment for Graphical Depiction of Aircraft Position (Own-Ship)	06/30/26

RTCA In Work Documents, Continued

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SC-214	DO-224E	Signal-in-Space Minimum Aviation System Performance Standards (MASPS) for Advanced VHF Digital Data Communications	06/30/26	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	06/30/26	Invoked via TSO-C160B	Advisory Circular	20-140D	Guidelines for Design Approval of Aircraft Data Link Communication Systems Supporting Air Traffic Services (ATS)	09/30/25
SC-227	DO-236E	Minimum Aviation System Performance Standards: Required Navigation Performance for Area Navigation	12/31/25	The FAA intends to use the minimum requirements in DO-236E for aircraft-level RNP approvals in AC 20-138E	Advisory Circular	20-138E	Airworthiness Approval of Positioning and Navigation Systems	Under Review
SC-243	DO-254A	Design Assurance Guidance for Airborne Electronic Hardware	TBD	Pending scope of the activity as defined in the TOR.	Advisory Circular	AC 20-152B	Development Assurance for Airborne Electronic Hardware	TBD
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)	TBD	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	06/30/25

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SC-214	DO-281D	Minimum Operational Performance Standards (MOPS) for Aircraft VDL Mode 2 Physical Link and Network Layer	06/30/26	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	06/30/26	Invoked via TSO-C160B.	Advisory Circular	20-140D	Guidelines for Design Approval of Aircraft Data Link Communication Systems Supporting Air Traffic Services (ATS)	09/30/25
SC-227	DO-283C	Minimum Operating Performance Standards: Required Navigation Performance for Area Navigation	11/30/24	FAA guidance TSO-C115e and AC 20-138E.	Technical Standard Order	C115e	Required Navigation Performance (RNP) Equipment Using Multi-Sensor Inputs.	12/31/25
SC-234	DO-307B	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	9/30/2025	Will be implemented into AC 20-164B	Advisory Circular	20-164B	Designing and Demonstrating Aircraft Tolerance to Portable Electronic Devices	09/30/25
SC-222	DO-343E	AMS(R)S voice & data MASPS	03/01/24	Referenced in AC 20-150c	Advisory Circular	20-150C	Airworthiness Approval of Satellite Voice (SATVOICE) Equipment Supporting Air Traffic Service (ATS) Communication	03/30/25

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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)	06/30/25	TSO-C213b to use this standard.	Technical Standard Order	C213b	Unmanned Aircraft Systems Control and Non-Payload Communications Terrestrial Link System	TBD
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	03/31/25
SC-228	DO-365C, Change 1	Detect and Avoid MOPS	01/31/25	Implemented in TSO-C211b.	Technical Standard Order	C211b	Detect and Avoid (DAA) Systems	1/31/2025
SC-228	DO-365C, Change 1	Detect and Avoid MOPS	01/31/25	The FAA does not currently plan to revise TSO-C211a. The FAA is open to industry proposing as MOC in certification projects	Technical Standard Order	C211a	Detect and Avoid (DAA) Systems	06/30/25
SC-228	DO-365D	Detect and Avoid MOPS	N/A	The FAA is open to industry proposing as MOC in certification projects	Technical Standard Order	C211c	Detect and Avoid (DAA) Systems	N/A
SC-228	DO-366A	Air-to-air Radar (ATAR) MOPS	03/31/25	The FAA does not currently plan to revise TSO-C212a. The FAA is open to industry proposing as MOC in certification projects	Technical Standard Order	C212a	Air-to-Air Radar (ATAR) for Traffic Surveillance	06/30/25

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SC-159	DO-373A	Minimum Operational Performance Standard for GNSS Active Antenna in the L1/E1 and L5/E5A Bands	12/31/23	FAA intends to use the updated standards to support TSO-C215	Technical Standard Order	C215	TBD	02/28/25
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	USED for Counter UAS Systems in Controlled Airspace	10/31/24	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 on Information Security Event Management	TBD	Advisory Circular	Advisory Circular	20-XXX	20-XXX	TBD
SC-217	DO-394	Considerations for Aeronautical Data Alteration	6/30/2025	Advisory Circular	Advisory Circular	20-153C	Acceptance of Aeronautical Data Processes and Associated Databases	6/30/2025
SC-159	DO-NEW	GNSS (GBAS) L1/L5 MOPS	TBD	Technical Standard Order	Technical Standard Order	TBD	TBD	TBD
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)	09/30/25

RTCA In Work Documents, Continued

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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	New AC	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, Advisory Circular	TBD	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-213	DO-XXX	MASPS for a Combined Vision System for Helicopter Operations for Low Visibility Operational Credit	10/31/25	To be implemented in revised ACs (revision to AC 20-185B)	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)	TBD			
SC-216	DO-XXX-DSEC	Process Standard for Data Security	06/30/25	This will be implemented into an AC.	Advisory Circular	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	
SC-227	DO-ZZZ	Minimum Operational Performance Standards for the Depiction of Navigational Information on Electronic Maps/Data Driven Charting	12/31/26	Implemented into new TSO for DDC, TSO-C165(), new AC 20-XXX (DDC).	Technical Standard Order	C165c	Electronic Map Display Equipment for Graphical Depiction of Aircraft Position (Own-Ship)	12/31/26

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 Deliverables Est Target Completion Date
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	12/31/2024
DO-236E	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	3/31/2025
DO-236D	Minimum Operational Performance Standards for the Depiction of Navigational Information on Electronic Maps/Data Driven Charting	SC-227	The FAA intends to use the updated minimum requirements for aircraft-level RNP approvals in AC 20-138E.	Advisory Circular	20-138E	Airworthiness Approval of Positioning and Navigation Systems	3/31/2025
DO-283C	Minimum Operating Performance Standards: Required Navigation Performance for Area Navigation	SC-227	FAA guidance TSO-C115e and AC 20-138E.	FAA guidance TSO-C115e and AC 20-138E.	C225e 20-138E	Airworthiness Approval of Positioning and Navigation Systems	TSO: 12/31/2025 AC: 3/31/25
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	N/A	N/A	N/A
DO-365D	Detect and Avoid MOPS	SC-228	Will be implemented into a TSO.	Technical Standard Order	TBD	TBD	N/A

Documents Pending PMC Approval, Continued

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 Deliverables Est Target Completion Date
DO-373A	Minimum Operational Performance Standard for GNSS Active Antenna in the L1/E1 and L5/E5A Bands	SC-159	TSO-C215	To support Technical Standard OrderC-215	C215	N/A	N/A
DO-351B Volume 1 & 2	Interoperability Requirements Standard for Baseline 2 ATIS 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	9/30/2025
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	12/31/2025
DO-408	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	20-167B	Airworthiness Approval of Enhanced Vision System, Enhanced Flight Vision System and Combined Vision System Equipment	12/31/2025

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-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

RTCA Published Documents Pending FAA Action, Continued

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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	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	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	AC 20-184A	Advisory Circular	20-184A	Guidance on Testing and Installation of Rechargeable Lithium Battery and Battery Systems on Aircraft	12/31/24

RTCA Published Documents Pending FAA Action, Continued

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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)	TBD
DO-326B	Safety, Performance And Interoperability Requirements Document For Airborne Spacing - Flight Deck Interval Management (ASPA-FIM)	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	Safety, Performance And Interoperability Requirements Document For Airborne Spacing - Flight Deck Interval Management (ASPA-FIM)		Policy Statement	PS-AIR-20-01		06/30/25

RTCA Published Documents Pending FAA Action, Continued

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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)	09/30/25
DO-351B Change 1	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)	09/30/25
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)	09/30/25

RTCA Published Documents Pending FAA Action, Continued

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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)	09/30/25
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)	TBD
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)	TBD

RTCA Published Documents Pending FAA Action, Continued

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DO-376 Change 1	Minimum Operating Performance Standard for Helicopter Terrain Awareness and Warning Systems (HTAWS) for Offshore Helicopter Operations	Implement into a new TSO	Technical Standard Order	CXXX		TBD
DO-384	GNSS-Aided Inertial System MOPS	TSO C-220 and AC 20-138E.	Advisory Circular	AC 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	AC 20-ACAS-X	TBD	05/31/25
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	AC 20-153C	Acceptance of Aeronautical Data Processes and Associated Databases	12/12/24

RTCA Published Documents Pending FAA Action, Continued

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DO-403	System Performance and Interoperability Requirements for Non-Cooperative UAS Detection System		TBD	TBD	TBD	TBD
DO-404	Minimum Aviation System Performance Standard for ATN/IPS	Implemented into AC 20-140D	Advisory Circular	20-140D	Guidelines for Design Approval of Aircraft Data Link Communication Systems Supporting Air Traffic Services (ATS)	09/30/25
DO-404	Minimum Aviation System Performance Standard for ATN/IPS	Implemented into AC 20-140D	Advisory Circular	20-140D	Guidelines for Design Approval of Aircraft Data Link Communication Systems Supporting Air Traffic Services (ATS)	09/30/25
DO-405	Minimum Operating Performance Standard for Helicopter Terrain Awareness and Warning Systems (HTAWS) for Onshore Helicopter Operations	Technical Standard Order	Technical Standard Order	CXXX	TBD	03/31/25
DO-406	UHF Band C2 Link System MOPS	Issue Paper	Issue Paper	N/A	N/A	N/A