

FAA Status Report  
March 14, 2024

RTCA Paper No. 058-24/PMC-2557

Closed Actions Since Last PMC															
Committee Document Number / Work ID Number	Committee Document Title	SDO Committee Number	FAA Updates	FAA Deliverable #1 Use of Standard	FAA Deliverable #1 Document Number	FAA Deliverable #1 Document Title	FAA Deliverable #1 Signature Date	FAA Deliverable #2 Use of Standard(if applicable)	FAA Deliverable #2 Document Number	FAA Deliverable #2 Document Title	FAA Deliverable #2 Signature Date	FAA Deliverable #3 Use of Standard (if applicable)	FAA Deliverable #3 Document Number	FAA Deliverable #3 Document Title	FAA Deliverable #3 Signature Date
DO-178C	Software Considerations in Airborne Systems and Equipment Certification	SC-205	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.	Advisory Circular	00-71	Best Practices for Management of Open Problem Reports (OPRs)	09/16/22	Advisory Circular	20-189	Management of Open Problem Reports (OPRs)	09/16/22	Advisory Circular	20-193	Use of Multi-Core Processors	01/08/24
DO-254	Design Assurance Guidance for Airborne Electronic Hardware	SC-180	New ACs (00-71, 00-72, 20-189) and a revised AC (20-152A) have been published. The ACs provide clarification to open problem reports and an effort to harmonize with EASA.	Order	8110.105B	Airborne Electronic Hardware Approval Guidance	02/20/24	Advisory Circular	20-152A	Development Assurance for Electronic Hardware	10/07/22				
DO-297		SC-200	Will be implemented into AC 20-193	Advisory Circular	20-193	Use of Multi-Core Processors	01/08/24								

In Work Documents									
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DO-155A	MOPS for Low Range Radar Altimeters	SC-239	Technical Standard Order	Technical Standard Order	C87b				
DO-160H	Environmental Conditions and Test Procedures for Airborne Equipment	SC-135	Implemented into AC 21-16h	Deviation Memo	21-16h	06/30/27			
DO-200C	Aeronautical Databases	SC-217	Advisory Circular	Advisory Circular	20-153C	12/31/24			
DO-201C	User Requirements for Navigation Data	SC-217	Advisory Circular	Advisory Circular	20-153C	12/31/24	Technical Standard Order	C165c	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.						
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	TSO-C142c	12/31/25	Advisory Circular	AC 20-192	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						
DO-262G	NGSS avionics MOPS	SC-222	To be invoked via TSO-C159f.						
DO-281D	Minimum Operational Performance Standards (MOPS) for Aircraft VDL Mode 2 Physical Link and Network Layer	SC-214	Invoked via TSO-C160B.						
DO-283C	Minimum Operating Performance Standards: Required Navigation Performance for Area Navigation	SC-227	Will be implemented TSO-C115e and AC 20-138e						
DO-343E	AMS(R)S voice & data MASPS	SC-222	Passing reference in AC 20-150c	Advisory Circular	20-150C	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	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						
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	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						
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	N/A				

In Work Documents (continued)									
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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-NEW	GNSS (GBAS) L1/L5 MOPS	SC-159	Technical Standard Order						
DO-XXX	ATS Data Communication Verification Test Standard	SC-214	Will go into an AC						
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).						
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.						
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)						
DO-XXX	Spectrum Guidance for the Developers of Standards for Aviation Radio Frequency System	SC-242	Document will be used as a guidance for other SC and will therefore not be referenced by the FAA.	N/A					
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				
DO-XXX	UHF Band C2 Link System MOPS	SC-228	Issue Paper	Issue Paper					
DO-XXX	Cellular Band C2 Link System MOPS	SC-228	Issue Paper						
DO-XXX-DSEC	Process Standard for Data Security	SC-216		Advisory Circular	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				

Documents Pending PMC Approval			
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DO-402	Minimum Operating Performance Specification (MOPS) for Wireless Avionics Intra-Communication Equipment within 4200-4400 MHz	SC-236	TBD
DO-230M	Standards for Airport Security Access Control Systems	SC-224	The FAA does not plan to directly use this standard in FAA policy or guidance.

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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	AC-20-Mode-S	Mode S Transponders	03/31/25	Technical Standard Order	C112f	Air Traffic Control Radar Beacon System/Mode Select (ATCRBS/Mode S) Airborne Equipment	03/10/23
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	AC-20-Mode-S	Mode S Transponders	03/31/25	Technical Standard Order	C112f	Air Traffic Control Radar Beacon System/Mode Select (ATCRBS/Mode S) Airborne Equipment	03/10/23
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	Technical Standard Order	C63g	Airborne Weather Radar Equipment	03/30/24
DO-260C	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.	Technical Standard Order	C166c		12/31/24	Advisory Circular	20-165C		12/31/24

Published Documents Pending FAA Actions (continued)

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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.	Advisory Circular	20-165C	Approval of ADS-B Out Installations	12/31/25	Technical Standard Order	C166c	Extended Squitter Automatic Dependent Surveillance-Broadcast (ADS-B) and Traffic Information Services-Broadcast (TIS-B) Equipment Operating on the Radio Frequency of 1090 Megahertz (MHz)	03/10/23
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.	Technical Standard Order	C154d		12/31/24		20-165C		12/31/24
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	Designing and Demonstrating Aircraft Tolerance to Portable Electronic Devices	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	07/31/24				
DO-326A	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	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	12/31/24				
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					

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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	TBD						
DO-384	GNSS-Aided Inertial System MOPS	SC-159	TSO C-220(Complete) and AC 20-138e.	Advisory Circular	20-138E	Airworthiness Approval of Positioning and Navigation Systems	12/31/25	Technical Standard Order	C220	GNSS-Aided Inertial Systems	06/22/23
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	Technical Standard Order	C219a	AIRBORNE COLLISION AVOIDANCE SYSTEM (ACAS) Xa/Xo	09/30/24	Advisory Circular	20-ACAS-X		09/30/24
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-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-404	Minimum Aviation System Performance Standard for ATN/IPS	SC-223	Implemented into AC 20-140D	Advisory Circular	AC 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	Implemented into a new TSO	Technical Standard Order	TBD						