

NOTICE

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

N 8900.285

National Policy

Effective Date:
1/28/15

Cancellation Date:
1/28/16

SUBJ: Automatic Dependent Surveillance-Broadcast (ADS-B) Out Mandate
Equipage and the ADS-B Focus Team (AFT)

1. Purpose of This Notice. This notice informs aviation safety inspectors (ASI), aircraft certification engineers, and associated designees of the establishment of the ADS-B Focus Team (AFT) to support field offices during equipage associated with the ADS-B mandate.

2. Audience. The primary audience for this notice is the ASIs within Flight Standards (AFS) service regions, district offices, headquarters (HQ), certificate management offices (CMO), and certificate-holding district offices (CHDO); Aircraft Certification engineers within the Aircraft Certification directorates, offices, and HQ; and Designated Engineering Representatives (DER) and Designated Airworthiness Representatives (DAR) associated with data approvals for installation of ADS-B equipment. The secondary audience includes AFS branches and divisions in the regions and in HQ.

3. Where You Can Find This Notice. You can find this notice on the MyFAA employee Web site at https://employees.faa.gov/tools_resources/orders_notices. Inspectors can access this notice through the Flight Standards Information Management System (FSIMS) at <http://fsims.avs.faa.gov>. Operators can find this notice on the Federal Aviation Administration's (FAA) Web site at <http://fsims.faa.gov>. This notice is available to the public at http://www.faa.gov/regulations_policies/orders_notices.

4. Background. In 2010, the FAA published the ADS-B Out rule, which mandates aircraft equipment performance in applicable airspace after January 1, 2020, under Title 14 of the Code of Federal Regulations (14 CFR) part 91, §§ 91.225 and 91.227. This mandate is expected to affect the equipage of ADS-B Out avionics on approximately 200,000 U.S.-registered aircraft over the next five years.

5. Discussion. The FAA and industry are working diligently to approve ADS-B Out avionics through aircraft type certificates (TC) and Supplemental Type Certificates (STC), including approved model list (AML) STCs. However, these certifications will not provide a means of approval for all existing aircraft given the significant number and different types of aircraft affected by the mandate. As a result, field approval of ADS-B Out avionics is permitted under the conditions specified by the Aviation Safety (AVS) Policy Memo dated October 12, 2012 (available at http://www.faa.gov/about/office_org/headquarters_offices/avs/offices/afs/afs300/media/Major_Repair_Alteration_Job-Aid.pdf). To prepare for the challenging task that lies ahead,

an AFT has been established at HQ to provide technical support. The AFT is led by the Aircraft Maintenance Division (AFS-300) and staffed with subject matter experts (SME) from AFS, Aircraft Certification Service (AIR), and Air Traffic Organization (ATO). The AFT serves as the primary focal point for coordination of activities associated with ADS-B Out equipage. The primary mission of the AFT is to foster consistency in the interpretation and application of related regulations, policy, and guidance to achieve and sustain a high level of efficiency within our organization during ADS-B Out equipage. In that regard, the AFT has also been tasked with identifying and mitigating any shortfalls in policy, guidance, and training that would impede our ability to effectively support equipage. Mitigation of these shortfalls includes implementation of new or revised policy and guidance, as well as broad communication of issues, challenges, and solutions to the FAA and industry.

6. Actions. Inspectors, engineers, and designees responsible for data approval of avionics should familiarize themselves with the material referenced in this notice and contact the AFT Lead, James Marks, via phone at (202) 267-1707 or email to james.marks@faa.gov for assistance or questions related to ADS-B Out mandate equipage.

7. References (current editions).

- FAA Order 8300.16, Major Repair and Alteration Data Approval.
- Advisory Circular (AC) 20-165, Airworthiness Approval of Automatic Dependent Surveillance-Broadcast (ADS-B) Out Systems.
- AC 90-114, Automatic Dependent Surveillance-Broadcast (ADS-B) Operations.
- Technical Standard Order (TSO)-C145, Airborne Navigation Sensors Using the Global Positioning System (GPS) Augmented by the Wide Area Augmentation System (WAAS).
- TSO-C146, Stand-Alone Airborne Navigation Equipment Using the Global Positioning System (GPS) Augmented by the Wide Area Augmentation System (WAAS).
- TSO-C154c, Universal Access Transceiver (UAT) Automatic Dependent Surveillance-Broadcast (ADS-B) Equipment Operating on Frequency of 978 MHz.
- TSO-C166b, Extended Squitter Automatic Dependent Surveillance-Broadcast (ADS-B) and Traffic Information Service-Broadcast (TIS-B) Equipment Operating on the Radio Frequency of 1090 Megahertz (MHz).
- TSO-C196, Airborne Supplemental Navigation Sensors for Global Positioning System Equipment Using Aircraft-Based Augmentation.

8. Disposition. We will incorporate this notice into FAA Order 8900.1 before this notice expires. Direct questions or comments to the Aircraft Maintenance Division (AFS-300) at (202) 267-1675.



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