

NOTICE

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
Air Traffic Organization Policy

N JO 7210.876

Effective Date:
September 26, 2014

Cancellation Date:
September 25, 2015

SUBJ: Automatic Dependent Surveillance-Broadcast (ADS-B) Air Traffic Control (ATC) Services at Anchorage Air Route Traffic Control Center (ARTCC) using Micro-En Route Automatic Tracking System (Micro-EARTS) and Advanced Technologies and Oceanic Procedures (ATOP)

1. Purpose of this Notice. This notice prescribes procedures and phraseology for the use of ADS-B information in the provision of ATC services at Anchorage ARTCC using Micro-EARTS and ATOP. The appropriate Safety Risk Management Documents have been completed to support the guidance in this notice. The issuance of this notice will allow Anchorage ARTCC to integrate ADS-B as a surveillance source in ATOP sectors without changing procedures and phraseology prescribed in previously issued guidance for ADS-B and Micro-EARTS contained in FAA Order JO 7210.631. Implementation of this guidance by notice is intended to provide Anchorage ARTCC with the opportunity to facilitate an orderly transition to NAS-wide procedures for the use of ADS-B without specific phraseology used for ADS-B transmitter issues. Once Anchorage ARTCC has had an opportunity to review and revise appropriate facility guidance, training, and other documents, and complete appropriate training to align with NAS-wide ADS-B procedures, this notice will be canceled and the applicability of the directive used to support the use of ADS-B by the other Micro-EARTS facilities will be revised to include Anchorage ARTCC using MEARTS and ATOP. Guidance contained in orders for facilities providing ATC services using ADS-B with ERAM, Micro-EARTS, ATOP, CARTS and STARS will be incorporated into the appropriate paragraphs of FAA Orders JO 7110.65 and 7210.3.

2. Audience. This notice applies to the following Air Traffic Organization (ATO) service units: Air Traffic Services (ATS), Western ATS North and Anchorage ARTCC.

3. Where Can I Find This Notice? This notice is available on the MyFAA employee Web site at https://employees.faa.gov/tools_resources/orders_notices/ and on the air traffic publications Web site at http://www.faa.gov/air_traffic/publications/.

4. Cancellation. This notice cancels and replaces FAA Order JO 7210.631, Requirements for the Use of Automatic Dependent Surveillance Broadcast (ADS-B) at Anchorage Air Route Traffic Control Center (ARTCC).

5. Explanation of Policy Change. Anchorage ARTCC has been utilizing ADS-B for air traffic control services since 2001 using Micro-EARTS. This notice supports the use of ADS-B surveillance information using both Micro-EARTS and ATOP at Anchorage ARTCC.

6. Responsibilities. The Anchorage ARTCC air traffic manager must ensure the provisions of this are briefed to all front-line managers, controllers-in-charge, and operational air traffic controllers prior to the effective date of this notice, or prior to initial operational use of ADS-B in Anchorage ARTCC.

7. Procedures.

a. ADS-B surveillance information may be integrated as the preferred, supplemental or sole surveillance source at Anchorage ARTCC using Micro-EARTS and ATOP.

b. All procedures and requirements contained in FAA Order JO 7110.65 for the En Route domain related to ATC services provided to targets derived from secondary radar apply to ATC services provided to targets derived from ADS-B.

c. Targets derived from ADS-B must not be used in the En Route automation domain for 3NM separation under the provisions of paragraph 5-5-4, MINIMA.

d. Inform an aircraft:

(1) When its ADS-B transmitter appears to be inoperative or malfunctioning.

PHRASEOLOGY-

*(Identification) ADS-B TRANSMITTER APPEARS TO BE
INOPERATIVE/MALFUNCTIONING.*

(2) When you want it to turn off its ADS-B transmitter.

PHRASEOLOGY-

(Identification) STOP ADS-B TRANSMIT.

(3) When appropriate, to turn off its ADS-B altitude reporting.

PHRASEOLOGY-

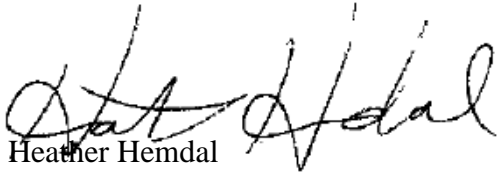
(Identification) STOP ADS-B ALTITUDE TRANSMIT.

8. Distribution. This notice is distributed to the ATO service units: System Operations Services; Air Traffic Services (ATS); Western ATS North; Safety Directorate; Air Traffic Safety Oversight Service (AOV), William J. Hughes Technical Center; Mike Monroney Aeronautical Center; and, Anchorage ARTCC.

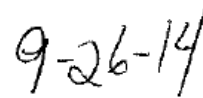
9. Background. Anchorage ARTCC has been utilizing ADS-B for air traffic control services since 2001. During that time they operated under headquarters guidance through various notices and orders. They were also the only air traffic control facility utilizing ADS-B and were at that time the lead for implementation. Responsibility was placed on Anchorage ARTCC for such items as software adaptations in Micro-EARTS, safety monitoring and controller training. Today, the Surveillance and Broadcast Services (SBS) Office has assumed these responsibilities rendering the current order obsolete. This notice focuses on air traffic control procedures and phraseology for the use of ADS-B.

10. Safety Management System. This notice implements procedures for the use of ADS-B information for a 5NM separation standard between ADS-B targets, ADS-B and WAM target and ADS-B and radar target by Anchorage ARTCC. A Safety Risk Management Document (SRMD) on the operational use of ADS-B to radar separation procedures was completed on 21 March 2007. On 31 May 2007, the office of Air Traffic Safety Oversight Service (AOV) issued a memorandum approving the

5NM ADS-B radar separation standard between ADS-B, radar and WAM targets within the Anchorage Flight Information Region (FIR) using Micro-EARTS. With the approval of the Surveillance and Broadcast Services (SBS) Program Office Critical Services: ATC Surveillance Services with Automatic Dependent Surveillance Broadcast (ADS-B) and the Advanced Technologies & Oceanic Procedures (ATOP) System Phase 1 Safety Risk Management Document (SRMD) on 22 August 2014, ADS-B is approved for use with ATOP.



Heather Hemdal
Director, Air Traffic Procedures, AJV-8
Air Traffic Organization



Date Signed