



**U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION**

Air Traffic Organization Policy

**ORDER
JO 7110.662A**

Effective Date:
September 26, 2014

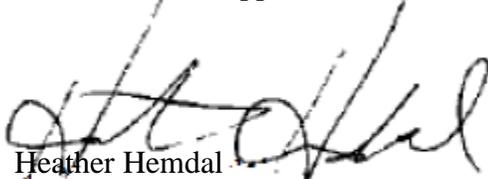
SUBJ: Automatic Dependent Surveillance-Broadcast (ADS-B) Air Traffic Control (ATC) Services at facilities using Micro-En Route Automatic Tracking System (Micro-EARTS) operating in Mosaic Display Mode except Anchorage ARTCC

- 1. Purpose of This Order.** This order prescribes interim guidance for the use of ADS-B information in the provision of ATC services at facilities using Micro-EARTS operating in Mosaic Display Mode except Anchorage ARTCC. The appropriate Safety Risk Management Documents have been completed to support the guidance in this order. 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 order 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 order applies to all facilities using Micro-EARTS operating in Mosaic Display Mode except Anchorage ARTCC.
- 3. Where Can I Find This Order?** This order is available on the MyFAA employee Web site at https://employees.faa.gov/tools_resources/orders_notices/ and on the FAA Web site at http://www.faa.gov/regulations_policies/orders_notices/.
- 4. Explanation of Policy Changes.** This order supports the use of ADS-B surveillance information at facilities using Micro-EARTS except Anchorage ARTCC.
- 5. Responsibilities.** The air traffic managers at facilities using Micro-EARTS must ensure the provisions of this order are briefed to all front-line managers, controllers-in-charge, and operational air traffic controllers prior to the effective date of this order, or prior to initial operational use of ADS-B.
- 6. Procedures.**
 - a.** ADS-B surveillance information may be integrated as the preferred, supplemental or sole surveillance source in facilities using Micro-EARTS.
 - b.** All procedures and requirements contained in FAA Order JO 7110.65 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 for 3NM separation under the provisions of paragraph 5-5-4, MINIMA.

7. Distribution. This Order is distributed to the ATO service units: System Operations Services, Air Traffic Services (ATS), Western ATS South, Eastern ATS South, Safety Directorate, Air Traffic Safety Oversight Service (AOV), William J. Hughes Technical Center and Mike Monroney Aeronautical Center.

8. Background. An Operational Assessment was performed at the San Juan CERAP (ZSU) on August 13, 2014 to demonstrate that existing approved Micro-EARTS 3NM single sensor polygon functionality, supported by Joint Order (JO) 7110.65, remains unaffected by the introduction of ADS-B as a surveillance source. The Operational Assessment confirmed that ADS-B Only targets are displayed for 5NM separation. The NAS-wide ADS-B Micro-EARTS SRMP concluded that all three airspace environments addressed by the ADS-B Only SRMD SBS-065 rev .01 are applicable for the ATC facilities supported by Micro-EARTS. This new order prescribes interim guidance for facilities using 5 NM en route and terminal surveillance separation services supported by ADS-B/Micro-EARTS.

9. Safety Risk Management. This order prescribes interim guidance for the use of ADS-B information for a 5NM separation standard between ADS-B targets and ADS-B and radar targets by facilities using Micro-EARTS except Anchorage ARTCC. With the approval of the Surveillance and Broadcast Services (SBS) Program Office Safety Risk Management Document (SRMD) Addendum Critical Services: ATC Surveillance Services with Automatic Dependent Surveillance Broadcast (ADS-B) and the Microprocessor En Route Automation System (Micro-EARTS) NAS-wide on 15 August 2014, ADS-B is approved for use with Micro-EARTS.


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Air Traffic Organization

9/26/14
Date Signed