

# NOTICE

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

N JO 7110.771

**Effective Date:**  
December 16, 2019

**Cancellation Date:**  
July 16, 2020

**SUBJ:** ATC Surveillance Source Use and Minima

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- 1. Purpose of this Notice.** This notice provides guidance to FAA Order JO 7110.65Y, Air Traffic Control, Paragraph 5-1-3, ATC Surveillance Source Use, and Paragraph 5-5-4, Minima.
- 2. Audience.** This notice applies to the following Air Traffic Organization (ATO) service units: Air Traffic Services, System Operations Services, Safety and Technical Training, and the following air traffic control facilities: Seattle ARTCC and Boston ARTCC.
- 3. Where can I Find This Notice?** This notice is available on the MyFAA employee website at [https://employees.faa.gov/tools\\_resources/orders\\_notices/](https://employees.faa.gov/tools_resources/orders_notices/) and the air traffic publications website at [http://www.faa.gov/air\\_traffic/publications](http://www.faa.gov/air_traffic/publications).
- 4. Explanation of Policy Change.** This change deletes the constraints prohibiting the use of ADS-B surveillance data for 3 NM separation in ERAM.
- 5. Procedures/Action.** Amend FAA Order JO 7110.65Y by changing the following paragraphs to read as follows:

## 5-1-3. ATC SURVEILLANCE SOURCE USE

Title through subparagraph b, No Change

c. All procedures and requirements relating to ATC services using secondary radar targets apply to ATC services provided to targets derived from ADS-B and WAM.

### **NOTE—**

*Targets derived from WAM cannot be used to provide 3 NM separation in the EAS. 3 NM targets are not derived from WAM within the EAS.*

### **REFERENCE—**

*FAA Order JO 7110.65, Para 4-1-2, Exceptions.  
FAA Order JO 7110.65, Para 4-4-2, Route Structure Transitions  
FAA Order JO 7110.65, Para 5-5-1, Application  
FAA Order JO 7110.65, Para 6-5-4, Minima Along Other Than Established Airways or Routes  
FAA Order JO 7110.65, Chapter 6, Nonradar  
FAA Order JO 7110.65, Para 5-5-4, Minima  
FAA Order JO 7210.3 3-6-2 ATC Surveillance Source Use*

No further changes to this paragraph

## 5-5-4. MINIMA

Title through subparagraph c4(d), No Change

**d. ERAM:**

1. Below FL 600- *5 miles*.
2. At or above FL 600- *10 miles*
3. Up to and including FL 230 where all the following conditions are met – *3 miles*:
  - (a) Within the 3 NM separation area, and:
    - (1) Within 40 NM of the preferred radar, or
    - (2) Within 60 NM of the preferred radar when using ASR-9 with Mode S or ASR-11 MSSR Beacon, or
    - (3) When operating in track-based display mode.
  - (b) The preferred sensor and/or ADS-B is providing reliable targets.
  - (c) Facility directives specifically define the 3 NM separation area.
  - (d) The 3 NM separation area is displayable on the video map.
  - (e) Involved aircraft are displayed using the 3 NM target symbol.

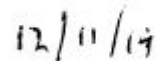
No further changes to this paragraph

**6. Distribution.** This notice is distributed to the following organizations: Air Traffic Services, Technical Operations, System Operations Services, Safety and Technical Training, Mission Support Services, Air Traffic Safety Oversight Service, William J. Hughes Technical Center, Mike Monroney Aeronautical Center, National Air Traffic Controllers Association, Professional Aviation Safety Specialists, National Association of Government Employees, and interested public aviation entities.

**7. Background.** Automatic Dependent Surveillance-Broadcast (ADS-B) is a key NextGen technology in the effort to modernize the National Airspace System (NAS). The original ADS-B safety risk management documents supported the use of ADS-B Out for the existing separation minima of 5 nautical miles (NM) in en route airspace in all conditions. Currently, controllers in en route airspace can use reduced separation minima of 3 NM using secondary surveillance radar (SSR), but only when the aircraft are in relatively close proximity to the antenna. Recent changes in ERAM and changes in ADS-B data processing will allow use of 3 NM separation between most ADS-B Out targets. This notice is specific to existing 3 NM separation areas in Seattle ARTCC and Boston ARTCC, which are the key sites for Track Based Display Mode implementation.



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Date Signed