

# NOTICE

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

**N JO 7110.736**

**Effective Date:**  
July 14, 2017

**Cancellation Date:**  
October 12, 2017

**SUBJ:** Expansion of 3 NM Operations in ERAM Facilities

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- 1. Purpose of This Notice.** This notice expands the use of 3 NM operations in ERAM facilities from 40 NM to 60 NM when using either ASR-9 with Mode S or ASR-11 MSSR Beacon as the preferred sensor site.
- 2. Audience.** This notice applies to the following Air Traffic Organization (ATO) service units: Air Traffic Services and associated air traffic control facilities, Mission Support, System Operations, and Technical Operations.
- 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 on the air traffic publications website at [http://www.faa.gov/air\\_traffic/publications/](http://www.faa.gov/air_traffic/publications/).
- 4. Cancellation.** This notice is canceled with the publication of FAA Order JO 7110.65X, Basic.
- 5. Explanation of Policy Change.** This change extends the area of 3 NM operations in ERAM facilities from 40 NM to 60 NM when using ASR-9 with Mode S or ASR-11 MSSR Beacon as the primary sensor source.
- 6. Procedures/Responsibilities/Action.** Amend FAA Order JO 7110.65, paragraph 5-5-4, to read as follows:

**5-5-4. MINIMA**

Title thru d3(a), no change

(b) Within 40 NM of the preferred sensor or within 60 NM of the preferred sensor when using ASR-9 with Mode S or ASR-11 MSSR Beacon and within the 3 NM separation area.

No further changes to paragraph.

- 7. Distribution.** This notice is distributed to the following ATO service units: Air Traffic Services, Mission Support Services, System Operations Services, and Safety and Technical Training; the Air Traffic Safety Oversight Service; the William J. Hughes Technical Center; and the Mike Monroney Aeronautical Center.
- 8. Background.** FAA Order JO 7110.65U Change 2, Chapter 5, Section 5, Radar Separation was changed to allow ASR-11 MSSR terminal facilities to utilize 3-mile separation to 60 NM from the

sensor antenna after an analytical study was completed by the FAA Flight Systems Laboratory. The study concluded that the performance of the ASR-11 MSSR was equivalent to the performance of an ASR-9 with Mode S. ASR-9 with Mode S terminal facilities had previously been certified for operations to 60 NM from the sensor site. Currently, ERAM facilities have the option of utilizing a separation standard minima of 3 NM if certain criteria are first met, but only out to 40 NM from the sensor site. Since ERAM receives surveillance data directly from ASR-9 with Mode S and ASR-11 MSSR sensor sites, increasing the usability of the existing installed infrastructure by increasing the usable mileage from 40 NM to 60 NM will increase the efficiency of the NAS, with no impact on overall safety.

**9. Related Publication.** FAA Order JO 7210.3, paragraph 8-2-1, Three Mile Operations.

Original signed by Heather Hemdal

Heather Hemdal  
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Mission Support Services

June 13, 2017

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Date Signed