

CHANGE

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

**ORDER
JO 6860.2
CHG 7**

Air Traffic Organization Policy

Effective Date:
09/15/2008

SUBJ: Maintenance of LORAN-C Monitor Equipment

1. Purpose. This change provides page changes to Order JO 6860.2, Maintenance of LORAN-C Monitor Equipment, Appendix 1, Certification Requirements. This change is intended to allow for event based certification. Configuration Control Decision (CCD) N31902, Implementing Policy for Event Based Certification of Navigation Systems and Sub Systems in paragraph 503 per updates to FAA Order 6000.15E, is required.

2. Who This Change Affects.

a. This document is made available to sites with this Facility, Service, and Equipment Profile (FSEP): ARTCC, VOR, RMCF.

b. For electronic copies, use the Technical Library website at <http://nas.amc.faa.gov>.

c. For printed copies, national offices distribute to sites with an accurate inventory record in FSEP and a mailing address in the Logistics Inventory System (LIS).

d. For help in updating inaccurate FSEP and/or DDS records, visit our website at http://nas.amc.faa.gov/technical_library/template.jsp?bodyPage=help.html&title=Help.

3. Explanation of Changes. This handbook is being updated to provide equipment certification based on events. Events are defined in the latest version of Order 6000.15, General Maintenance Handbook for National Airspace System (NAS) Facilities.

4. Disposition of Transmittal. Keep this change.

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1	11/3/94	1 and 2	09/15/2008



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Appendix 1. Certification Requirements

System and Subsystem Certification.

System and subsystem certification is event based and relies on independent judgment about the quality and scope of specific advertised services being provided to a user. Event based certification ties the certification judgment to the decision to place a system or subsystem into service.

a. ATO personnel with certification authority must perform event based system and subsystem certification. The following events define when certification is required, regardless of whether it affects a certification parameter:

- (1) Prior to commissioning.
- (2) Upon request following aircraft accident/incidents.
- (3) Following adjustment to any certification parameter regardless of whether an interruption was required.
- (4) Prior to restoration following any flight inspection requiring on-site personnel.
- (5) Prior to restoration following any modification.
- (6) Prior to restoration following any maintenance task that required an interruption or would have required an interruption to a facility without redundancy.
- (7) Prior to restoration following any corrective maintenance activity required to restore a facility to operation.

b. System and subsystem certification is not required when a facility is restored to operation by restoration of power, initialization, or reset, and no other action was taken.

c. Some NAS systems contain user interface controls that can cause a certification parameter to be adjusted beyond its tolerance or limit. Such adjustments will not void the certification.

Appendix 1. Certification Requirements

Table 1. LORAN-C Monitor System

Advertised Service	Certification Parameter	Reference Paragraph	Screen
MONITOR	Master station signal-to-noise ratio (snr)	53b(1)	I;15
	Secondary station number 1 (snr)	53b(2)	I;15
	Secondary station number 2 (snr)	53b(2)	I;15
	Master station envelope cycle difference (ECD)	53c	I;15
	Secondary station number 1 (ECD)	53c	I;15
	Secondary station number 2 (ECD)	53c	I;15
	Position offset	53d	I;15
	Time difference (TD) (secondary stations 1 and 2 (TD) signal	53e	I;15
<p>CERTIFICATION BASED ON EVENTS: Events are defined in Order 6000.15 and are provided only as reference data of appendix 1, paragraph 1 of this order.</p> <p>PERSON RESPONSIBLE FOR CERTIFICATION: Airway transportation system specialist (ATSS) with certification authority</p> <p>CERTIFICATION ENTRY IN FACILITY MAINTENANCE LOG: LORAN-C MONITOR certified</p>			

Note: Completion of these parameters certifies the capability of the monitor to detect out-of-tolerance signal in space conditions and does NOT certify the service (signal in space).