

**CHANGE**

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

**ORDER  
JO 6810.3A  
CHG 5**

Air Traffic Organization Policy

Effective Date:  
09/15/2008

**SUBJ:** Maintenance of FA-10235 Very-High Frequency Omnidirectional Range Test (VOT) Facilities

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**1. Purpose.** This change provides page changes to Order JO 6810.3A, Maintenance of FA-10235 Very-High Frequency Omnidirectional Range Test (VOT) Facilities, 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): VOT.
- 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](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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v	5/11/92	v	5/11/92
vi	12/1/92	vi	09/15/2008
		<u>Appendix 1</u>	
1	1/18/2002	1 and 2	09/15/2008



for James N. Arrasmith  
Acting Director, Safety and Operations Support

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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 (Continued)**

Table 1. Type FA-10235 VOT System

Advertised Service	Certification Parameter	Reference Paragraph
1. Coverage	Power output and rf attenuator setting	31b, 32
2. Course sensitivity	Modulation levels (reference and variable)	33, 34
3. Identification	Modulation level (1020 Hz)	35
4. Operational continuity and integrity	Shutdown and remote alarm	50, 51e, 51f, 60
5. Monitor	Phase shift alarm  Reference and variable signal alarms (loss of reference or variable signal)  1020 Hz identification alarm (loss of identification signal)	51d
<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: Type FA-10235 VOT certified</p>		