CHANGE

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

Air Traffic Organization Policy

ORDER JO 6750.49A CHG 6

Effective Date: 09/15/2008

SUBJ: Maintenance of Instrument Landing System (ILS) Facilities

1. Purpose. This change provides page changes to Order JO 6750.49A, Maintenance of Instrument Landing System (ILS) 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): GS, LOC, IM, MM, and OM.

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

Distribution: 14, 15E, 15C, 15G, 15D, 15J **Initiated By**: AJW-143

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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. Localizer Subsystems

Advertised Service	Certification Parameters	Reference Paragraph
1. Coverage	Power output	3-10
2. Course accuracy	Course alignment	3-31
3. Course sensitivity	Course width	3-14, 3-31
4. Identification	Modulation level (1020 Hz)	3-11
5. Flag action	Modulation level (90/150 Hz)	3-11
6. Operational integrity	Automatic transfer/shutdown action, remote alarm, and remote reset/control	3-21
7. Monitor	Power reduction alarm Course shift alarm Course width alarm Modulation reduction alarm	3-20

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.

PERSON RESPONSIBLE FOR CERTIFICATION: Airway transportation system specialist (ATSS) with certification authority

CERTIFICATION ENTRY IN FACILITY MAINTENANCE LOG: LOC certified

Appendix 1. Certification Requirements (Continued)

Table 2. Glide Slope Subsystems

Advertised Service	Certification Parameters	Reference Paragraph
1. Coverage	Power output	3-40
2. Course accuracy	Path angle	3-40, 3-41
3. Course sensitivity	Path width	3-40, 3-44
4. Flag action	Modulation level (90/150 Hz)	3-41
5. Operational integrity	Automatic transfer/shutdown action, remote alarm, and remote reset/control	3-51
6. Monitor	Power reduction alarm Path angle alarm Path width alarm Modulation reduction alarm	3-50

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.

PERSON RESPONSIBLE FOR CERTIFICATION: Airway transportation system specialist (ATSS) with certification authority

CERTIFICATION ENTRY IN FACILITY MAINTENANCE LOG: GS certified

Appendix 1. Certification Requirements (Continued)

Table 3. 75 MHZ ILS Marker Subsystems

Advertised Service	Certification Parameters	Reference Paragraph
1. Coverage	Power output, modulation frequency, and level.	3-70, 3-71, 3-72
2. Identification	Modulation level.	3-71
3. Operational integrity	Automatic transfer/shutdown action, remote alarm, and remote reset/control.	3-81
4. Monitor	Power reduction alarm, loss of tone alarm, and continuous tone alarm.	3-80

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.

PERSON RESPONSIBLE FOR CERTIFICATION: Airway transportation system specialist (ATSS) with certification authority

CERTIFICATION ENTRY IN FACILITY MAINTENANCE LOG: (OM/MM/IM/FM) certified