

New & Updated FAA Guidance Material for PMAs

Presented by:
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Overview

Changes and additions to

- **14 CFR § 21 & § 45**
- **FAA Orders – 18 in last 12 months**
- **Advisory Circulars – 42 in last 12 months**
- **Policy Memorandums – 21 in last 12 months**

14 CFR § 21

Subpart G - Production Certificates (4/16/2011)

- Sec. 21.137: Quality system
- Sec. 21.138: Quality manual

Subpart K - Parts Manufacturer Approvals (4/16/2011)

- Sec. 21.303 – Application
 - Paragraph (a)(5) - T & C applicants must submit Statement of Compliance

14 CFR § 45

Subpart B--Identification of Aircraft and Related Products (04/16/2011)

- Sec. 45.15: Marking requirements for PMA articles, TSO articles, and Critical parts
 - (a) PMA articles. The manufacturer of a PMA article must permanently and legibly mark--
 - (1) Each PMA article, with the PMA holder's name, trademark, symbol, or other FAA approved identification and part number; and
 - (2) The letters ``FAA-PMA''.

FAA Orders

- **Draft 8110.spma: Streamlined Process for PMA**
- **8100.15A (06/10/2011): Organization Designation Authorization Procedures**
- **8110.4C, Chg 5 (12/20/2011): Type Certification**
- **8110.115 (05/16/2011): Certification Project Initiation and Certification Project Notification**
- **8110.37E (03/30/2011): Designated Engineering Representative (DER) Handbook**

FAA Orders

Draft 8110.spma: Streamlined Process for PMA

- Comments due March 20th
- Non-critical Parts
- No impact on safety
- Service history

8100.15A: Organization Designation Authorization Procedures

13-8(c) – A PMA ODA unit may approve major repair and major alteration data for articles manufactured by the ODA holder.

FAA Orders

8110.4C, Chg 5 : Type Certification

Moved procedures and forms to 8110.115 for

- Certification Project Notification (CPN)
- Directorate involvement determination
- ACO to ACO coordination procedures (PACO to CMACO)

8110.115 : Certification Project Initiation and Certification Project Notification

- Revised CPN Procedures: PMA projects for critical/life-limited parts
 - CPN also use for New TC Projects and Major changes to Type design projects

FAA Orders

8110.37E: Designated Engineering Representative (DER) HDBK

- DER's role in the request for conformity (submit 8120-10 via NACIP)
- DER for witnessing tests (8110-3 is not appropriate)
- Clarified DER authority for findings of identity for engine life-limited parts (DER must coordinate with FAA prior to “recommending approval”)

Advisory Circulars

- AC 21-51 (09/28/2011): Applicant's Showing of Compliance and Certifying Statement of Compliance
- AC 23-17C (11/17/2011): Systems & Equipment Guide for Certification of **Part 23** Airplanes & Airships
 - Wheel & Brake PMA requirements (23.731 & 23.735)
 - Seats, berths, litters, safety belts, & shoulder harnesses (23.785)
 - Storage battery PMA requirements (23.1353)

Advisory Circulars

- AC 23-1309-1E (11/17/2011): System Safety Analysis and Assessment for Part 23 Airplanes
 - Safety assessments
 - Functional hazard assessments

Policy Memorandums

- PS-ANM-25-05 (11/14/2011): *Risk Assessment Methodology for Transport Category Airplanes*
 - Safety Management System (SMS)
 - Monitor Safety/Analyze Data (MSAD)

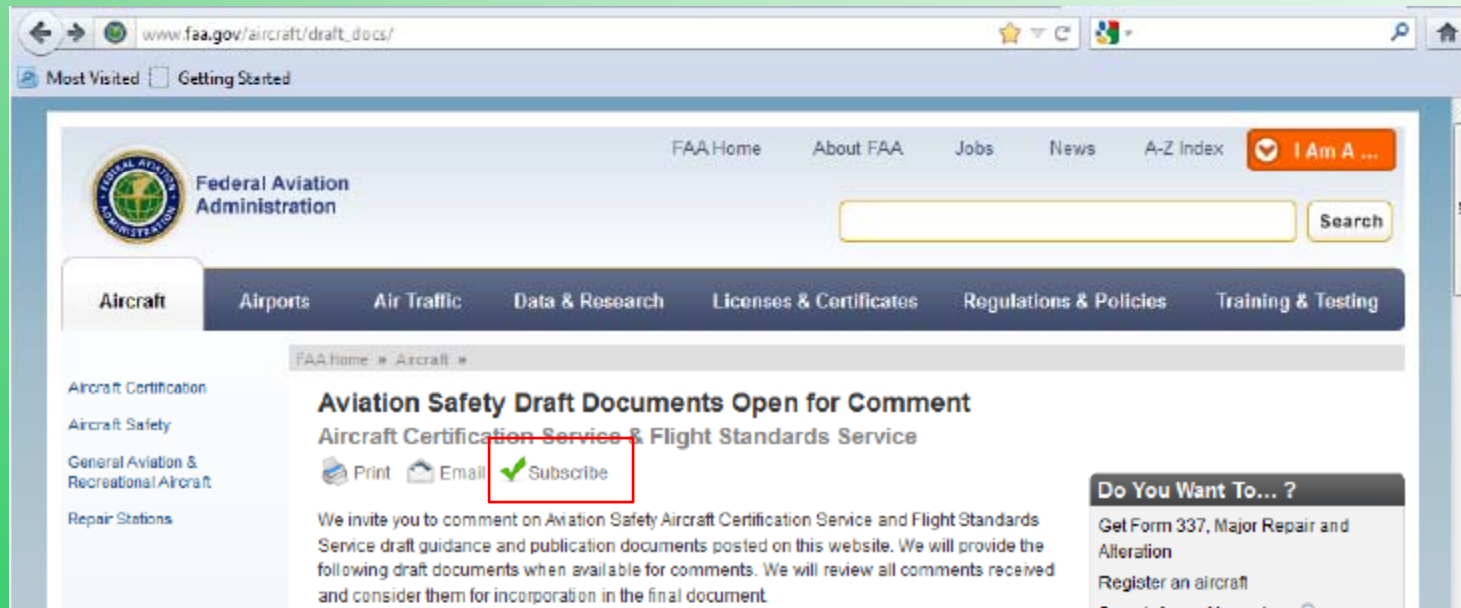
- PS-ACE-100-2010-003 (08/30/2011): *Clarification of Requirements for 14 CFR Part 23, LED Installations in Taxi and Landing Lights*
 - Certification of colors, intensities and areas of coverage not required for taxi and landing lights

Policy Memorandums

- AIR100-2011-120-001 (05/03/2011): *Clarification of Test Procedures for Aircraft Seals Published in TSO-C150 as Developed by the American Society for Testing and Materials (ASTM)*
 - Clarifies performance testing requirements
- Several Policy Memos on ODA Unit Member Selection

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Thank You

Questions?

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