



Federal Aviation  
Administration

# Order 8100.8 Revision D Major Changes

Oct 28, 2011



# Order 8100.8 Revision D

- **What this briefing covers**
  - **General change information**
  - **Manufacturing specific changes**
  - **Engineering specific changes**
  - **Flight Standards specific changes**
  - **Proposed Integrity changes**



# General Change Information

- **New Order format**
  - **Appendix format change from 1,2,3 to A, B, C**
  - **Administrative information moved to the end of the order**
  - **Each chapter begins with page 1, 1-1, 2-1, 3-1 etc**



# General Change Information

- **Order 8130.33, Designated Airworthiness Representatives; Amateur-Built and Light-Sport Aircraft Certification Functions, is incorporated as Chapter 13**
- **A new list of all manufacturing and maintenance function code definitions and notes is now in chapter 15.**
- **Adds “expired” as a designee status in the definition section and makes this available in DIN.**





# General Change Information

- **Para 400 (b) Directs applicants to the FAA web for all application documents vs. the local office.**
- **Para 901 (e) Adds suggested actions to follow to correct poor designee performance.**
- **Chapter 12 Changes the requirements for designee records management.**
- **Appendix B Provides updated appointment tracking documents.**



# Manufacturing Changes - DIN

- **Chapter 10; Directs electronic renewal through DIN with phase-out of the Selection, Appointment, Re-appointment (SAR) system**
  - **Designee is electronically notified to renew**
  - **Renewal application is electronic**
  - **Management actions are electronically documented**
  - **Generates an electronic COA (eCOA)**



# Manufacturing Changes - DIN

- **Incorporates throughout the revision; electronic documentation for:**
  - **General comments**
  - **Adding files to the DIN record**
  - **Corrective action**
  - **Witnessing**
  - **Performance review**
  - **Suspension**
  - **Generating or changing a Certificate of Authority (COA)**
- **DIN tracks designee management actions and provides due dates**



# Manufacturing Changes

- **Para 201 b; Sets a compliance date for manufacturing ASI attendance at designee management recurrent training.**
- **Para 407; Removes special accommodations for former FAA employees applying for manufacturing designee appointment.**
- **Para 409 c; Clarifies the use of DMIRs and DARs for conformities for TC/STC applicants that do not hold a Production Approval.**
- **Para 410; Updates guidance for DMIRs operating outside the United States.**





# Manufacturing Changes

- **Para 501 b; Requires a manufacturing applicant to include an AFS-640 certificate of completion for Initial Training with their application.**
- **Para 703 d and 704 d; Changes the timeframe for submitting Summary Activity Reports to not more than twelve months between reports.**
- **Para 800; Authorizes the managing office to levy additional training requirements when deemed appropriate.**
- **Para 802 a; Requires completion of both Part 1 and Part 2 of initial training prior to appointment.**



# Manufacturing Changes

- **Para 902 b and Appendix H; Incorporates a Risk Based Resource Targeting (RBRT) process for establishing designee witnessing schedules.**
  - **Provides a checklist to evaluate the risk associated with both the facility and the type of work performed.**
  - **Allows up to an 18 month witnessing cycle for a DAR based on performance and risk assessment.**
  - **Allows a two or three year cycle for a DMIR in conjunction with the facility inspection cycle.**



# Manufacturing Changes

- **Para 902 (a)(2); Changes the “annual meeting” to an “annual performance review” with DIN entry requirements.**
- **Para 903 b; Eliminates the requirement for a FAA Form 8130-13, Designee Geographic Expansion Authorization.**
- **Para 1103 c; Requires immediate suspension of a designee that is not renewed by the expiration date of their COA.**



# Manufacturing Changes

- **Chapter 15, Table 1, Function Code 01; Adds authority to issue FAA Form 8130-31, Statement of Conformity - Military Aircraft.**
- **Chapter 15, Table 1, Function Code 05; Adds authority for a DMIR to issue conformity certifications on behalf of a CAA for articles manufactured by U.S. suppliers for non-U.S. product manufacturers.**
- **Chapter 15, Table 1, Function Code 08; Adds authority to issue FAA Form 8130-31, Statement of Conformity - Military Aircraft.**
- **Chapter 15, Table 1, Function Code 17; Adds authority to issue FAA Form 8130-31, Statement of Conformity - Military Aircraft.**



# Manufacturing Changes

- **Chapter 15, Table 1, Function Code 19; Changes authority to Issue original/recurrent domestic airworthiness approval for articles.**
- **Chapter 15, Table 1, Function Code 20; Changes authority to Issue original/recurrent export airworthiness approval for articles.**
- **Chapter 15, Table 1, Function Code 32; Adds the words “domestic and or export” to comply with the recent Part 21 change.**



# Manufacturing Changes

- **Appendix A, Figure 4; Provides a new manufacturing application consolidating information from the qualification criteria in the previous chapter 4 with the application in the appendix.**
- **Appendix E Figure 1; Provides an updated Summary Activity Report for designee activity reporting.**





# Engineering Changes

- **Changed all AIR-140 references to AIR-110, Engineering Procedures Office.**
- **Sections 201 (Training) and 803 (Recurrent Seminar) - incorporated deviation memo that allows ASEs, FTPs and DERs to meet training requirements by attending the DER seminar anytime within the calendar year in which it is due.**





# Engineering Changes

- **Para 307.b, c, and d – Added authority and responsibility information for the new special delegations for Vintage DER and RS-DER.**
  - Both are subsets of special delegation for Major Repairs and/or Major Alterations.
- **Table 4-1 – Added qualification requirements for Vintage DER, RS-DER, and DERs with Airborne Electronic Hardware approval authority.**
- **Table 4-1 and Appendix A, Figure 3 – Added requirements for Safety Analysis Approval to include delegation of Part 25 EWIS and Detailed Design.**



# Engineering Changes

- **Para 507 – Removed references to the DER candidate form and provided instructions for candidates to use 8110-3.**
- **Para 802 (Initial Seminar) – Added wording to allow for completion of either an in-person seminar or an on-line course to meet prerequisite requirements.**





# Engineering Changes

- **Para 1000 - Electronic renewal through DIN with phase-out of the Selection, Appointment, Re-appointment (SAR) system.**
  - Designee is electronically notified to renew
  - Renewal application is electronic
  - Management actions are electronically documented
  - COA is generated electronically



# Engineering Changes

- **Chapter 12 (File Management) - Modified wording to standardize file management for all AIR designees. Eliminated the need for separate QMS work instruction.**
- **Chart C1 and C2 – Added software approval authority for evacuation systems and interior/exterior lighting.**



# Flight Standards Changes

- **Para 1401:** Clarified that the satisfactory experience requirement must be fulfilled from the 24 months preceding the application.
- **Whole Chapter:** Removed ODAR references.
- **Whole Chapter:** Changed requirements that referenced years to an equivalent # of months for clarity.
- **Whole Chapter:** Removed references to part classifications (I, II, or III).



# Flight Standards Changes

- **Para 1407: Modified requirements for receiving credit for prior experience as an FAA inspector.**
- **Para 1407: Removed exemption for the Standardization and Interface portions of the application package for former FAA employees applying within 3 years of service.**





# Flight Standards Changes

- **Para 1409:** Removed information on designee orientation as this is contained in the 8900.1.
- **Para 1412 (a):** Removed requirement for submission of form 8130-13 for geographic expansion. Instead, a designee must receive written permission for the expansion.
- **Para 1416:** References the termination process in the 8900.1.



# Integrity

- **Para 1105 (e): Misconduct is construed as a designee mismanaging his or her responsibilities, deliberately violating the CFR or FAA policies, or behaving improperly, resulting in termination for lack of care or judgment; lack of integrity; certificate suspension or revocation; or unsatisfactory performance.**





# Integrity

- **Para 1106 (i): Lack of Integrity.** When the Administrator finds the designee or PAH has not demonstrated the integrity necessary to exercise the designation properly.
- **Appendix J: DIN definitions – (10) Lack of Integrity.** The designee has not demonstrated the integrity required to exercise the delegation properly.



# End of Briefing

