

Changes to Guidance

Material Affecting DER Repairs

Presented by:

Darren Lovato

President/FAA DER

DER Technologies, Inc.

Guidance Material

Designated Engineering Representatives

14 CFR § 183.29

Defines the privilege for appointment as a DER

Order 8100.8C – Designee Management Handbook

A comprehensive publication establishing policy and procedures for

- Selection
- Appointment
- Orientation
- Training
- Oversight
- Renewal
- Tracking
- Termination

of representatives of the Administrator

Guidance Material

Designated Engineering Representatives

Order 8110.37D – DER Handbook

Working procedures for aircraft certification office staffs and DERs

- explicitly stated “DER approval is not appropriate” for minor repairs and minor alterations
- Specific DER authorization required for data approvals for major repairs or major alterations
- Specific DER authorization required for data approvals for multiple use repairs without specific aircraft serial number effectivity.

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Minor repair data – Approval vs. Acceptance

Working group with members from ANE-100, AIR-110 and others looking at possibility of expanding DER authority to include finding data acceptable.

- Third check box would be added to 8110-3 form
- Repair stations would have document substantiating their finding that data for minor repairs is acceptable.
- ARSA and ATA are against this change

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U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION			DATE
STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS			
AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION			
MAKE	MODEL NO.	TYPE (Airplane, Rotor, Helicopter, etc.)	NAME OF APPLICANT
LIST OF DATA			
IDENTIFICATION	TITLE		
PURPOSE OF DATA			
APPLICABLE REQUIREMENTS (List specific sections)			
<p>CERTIFICATION - Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 183 of the Federal Aviation Regulations, data listed above and on attached sheets numbered _____ have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.</p> <p style="text-align: center;"> <input type="checkbox"/> Recommend approval of these data. <input type="checkbox"/> Approve these data. </p> <p>I (We) Therefore</p>			
SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S)	DESIGNATION NUMBER(S)	CLASSIFICATION(S)	

FAA Form 8110-3 (11-70) SUPERSEDES PREVIOUS EDITION (REPRESENTATION)

Guidance Material

Designated Engineering Representatives

Order 8300.14 – Repair Specification Approval Procedures

Released by Flight Standards in December 2007 – withdrawn in early 2008

- Introduced an RS-DER (Repair Specification—Designated Engineering Representative)

The order is referenced in draft Revision A to Order 8110.54 – ICA which is open for comment until 3/28/09.

Part Marking of Repairs

Current Guidance

- AC 43-18 - Fabrication of Aircraft Parts by Maintenance Personnel
- AC 20-62D - Eligibility, Quality and Identification of Aeronautical Replacement Parts
- AC 120-77 – Maintenance and Alteration Data

Future Guidance

- N8900.PM – to be incorporated in next revision of Order 8900.1 - Flight Standards Information Management System

The RAF Report

Part Marking

- Repairs vs. New Parts
- Assemblies vs. Parts
- Re-marking of parts/assemblies after repair
- Supplemental marking
- Marking of Fabricated Parts
- Approval of data covering marking of repaired parts/assemblies

The RAF Report

Minor Repairs

- Maintenance provider's determination of major/minor
- Acceptability of data
- Major/minor repair determination
- Consistency of compliance data development

The RAF Report

Major Repairs

- Need to clarify authorization for designees to adequately control approval of major repairs
- Increase in number of major repairs
- Review for proper classification
- Clarify definition

Thank You for Your Attention

Questions?

Presented by:

Darren Lovato
President/FAA DER

DER Technologies, Inc.

775 -722 - 4950
dertech@sbcglobal.net