

# Changes to Guidance

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# Material Affecting DER Repairs

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Presented by:

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**President/FAA DER**

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# Guidance Material

## Designated Engineering Representatives

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### 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

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### 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.

# Guidance Material

## Designated Engineering Representatives

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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

# Guidance Material

## Designated Engineering Representatives

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U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION			DATE
<b>STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS</b>			
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>			
<input type="checkbox"/> Recommend approval of these data.			
<input type="checkbox"/> Approve these data.			
I (We) Therefore			
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

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### 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

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## 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

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## 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

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## Minor Repairs

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

# The RAF Report

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## 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

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## Questions?

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