



EASA
European Aviation Safety Agency

Part 21
Design Organisation Approval
(DOA)
Implementation
&
Product Certification Workshop
- Industry Session -

18-19 November 2015
“RHEINSAAL” HYATT Conference Room
Hyatt Regency Hotel
Cologne, Germany

Your safety is our mission.

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TE.GEN.00409-001



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Certification Memorandum CM-21.A-J-001 *Service Bulletins related to Airworthiness Directives*

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19 November 2015

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➤ EASA Certification Memoranda (CM)

- Clarify the Agency's position on specific certification items
- Provide complementary information and guidance
- Do not constitute any legal obligation
- EASA → Document library → Product Certification
→ Public Consultation → Certification Memoranda
 - <http://easa.europa.eu/document-library/public-consultations/certification-memoranda>



EASA CM-21.A-J-001

➤ CM-21.A-J-001 issued on 21 June 2013

➤ I. EASA Certification Policy

➤ II. EASA Recommended Best Practices for Design Approval Holders (DOA) for issuance of Service Bulletins (SB) related to Airworthiness Directives



Service Bulletins

- DOA Holders issue SB's based on privileges granted by paragraph 21.A.263(c)(3) of Commission regulation 748/2012 (Part 21)



EASA CM-21.A-J-001

I. EASA Certification Policy

➤ 21.A.263(c)(3) *Privileges*

DOA Holder shall be entitled to issue information and instructions containing the following statement: ‘The technical content of this document is approved under the authority of DOA nr. [EASA]. J. [xyz].’

Information or instructions may be issued in a format of a SB as defined in ATA100 system, or in Structural Repair Manuals, Maintenance Manuals, Engine and Propeller Manuals etc.



EASA CM-21.A-J-001

I. EASA Certification Policy

- Annex I of Regulation (EU) 1321/2014 → Part M:
- M.A.301 Continuing airworthiness tasks:
 - Accomplishment of any **AD**
 - Non-mandatory modification embodiment policy (large aircraft and commercial air transport)
- M.A.303 – Airworthiness Directives – any applicable AD must be carried out within the requirements of that AD



EASA CM-21.A-J-001

I. EASA Certification Policy

➤ ONLY EASA may:

- Issue an AD (for EU products, parts and appliances)-exercising the role of State of Design
- Adopt a Foreign AD (Non-EU products, parts and appliance)-exercising the role of State of Registry for design related issues, ED Decision 2/2003 dated 14 October 2003
- Issue an AD (exercising the role of State of Registry) for a Non-EU product



EASA CM-21.A-J-001

I. EASA Certification Policy

CONSEQUENCES:

- Service Bulletins issued by Design Approval Holders **do not** have mandatory character, legally speaking (unless ADs make them so);
- Service Bulletins main scope is for Design Approval Holders to provide information / accomplishment instructions to end users.



EASA Recommendations to improve SB quality

1. Standardised format and content;
2. Safety Intent and Configuration Description;
3. Clear technical instructions;
4. Clear, detailed illustrations;
5. Allowing to use industry standards (flexibility);
6. Streamlining of the SB development



1. SB Format and Content (ATA Spec 2200)

1. General
2. Planning Information
3. Material Information
4. Accomplishment Instructions
5. Appendix
6. Illustrations
7. Revision Transmittal Sheet



1. SB Format and Content (ATA Spec 2200)

➤ Planning Information

➤ Reason

➤ Compliance Recommendation

➤ Approval

➤ Interchangeability and Intermixability



Safety Intent and Configuration Description

- For SB's intended to correct an unsafe condition
- Safety Intent
 - What the SB is intended to do (prevent, resolve, remove an unsafe condition)
- Configuration Description
 - Description of the design change (high level)



Clear Technical Instructions

- Clear and unambiguous language

Clear, detailed illustrations

- To supplement the accomplishment instructions



Allowing to use industry standards

- mandatory instructions vs. flexible advisory instructions

Streamlining of the SB development

- Continuous improvement in:
 - Development of SB's
 - Revision of SB's
- Avoiding Overlapping and Conflicting Actions in SB's



Maintaining Airworthiness or AD Mandated Design Changes

- Prevent inadvertent/accidental de-modification of the mandated configuration
 - Update maintenance documentation to reflect AD mandated configuration and provide awareness to operators regarding availability of updated maintenance documentation
 - Refer in SB to standard practices as much is possible
 - Avoid duplicating entire procedures existing in other documents
 - Create SB+AD cross reference list



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QUESTIONS ?

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