



**EASA**  
European Aviation Safety Agency

# AD related to Components

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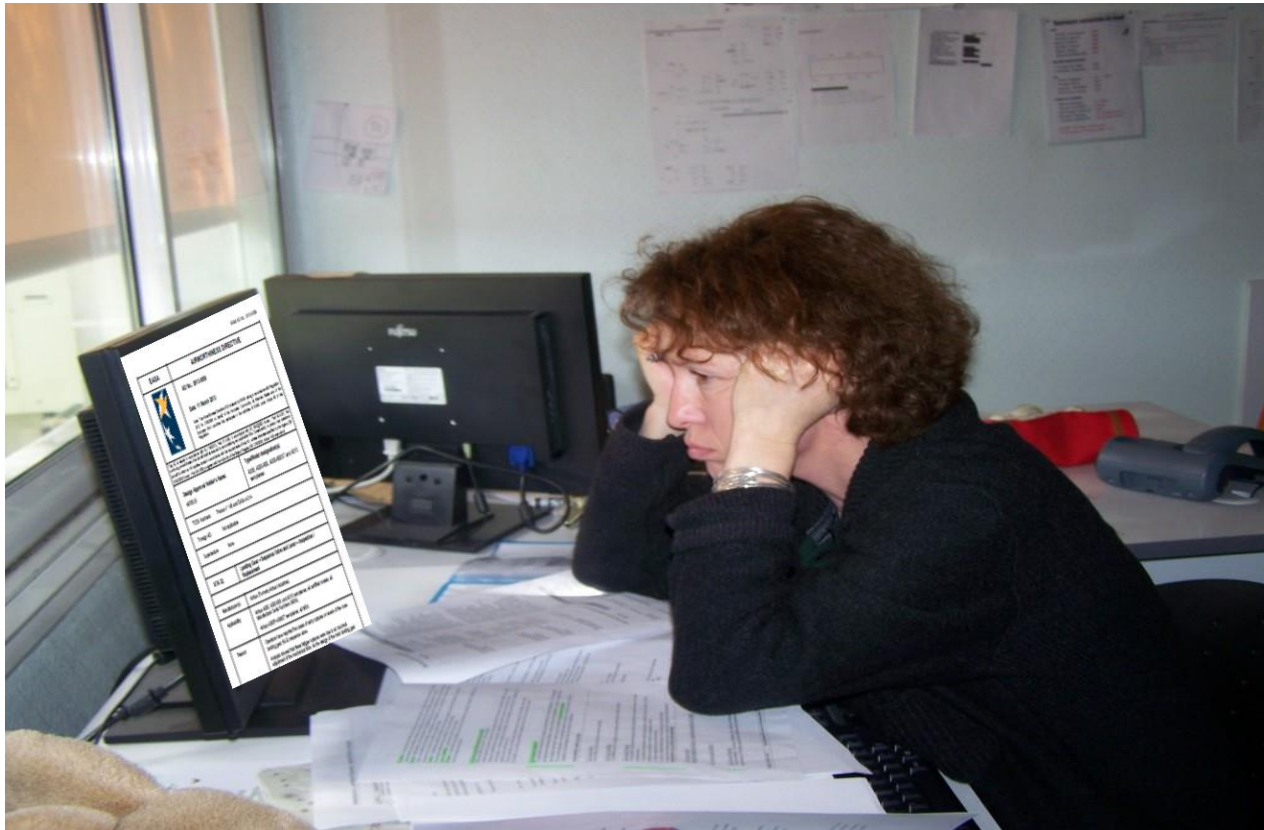


# AD related to Components - Content

- Definition
- AD related to components in AD publishing tool
- Specifics of AD related to components
- AD actions for component already installed
- AD condition for installation of component
- General condition for installation of component
- EASA Part M



## ➤ What are talking about ?





# AD related to Components

- What are we talking about ?
  - Definition: 'component' means any engine, propeller, part or appliance.
  - Component has its own design approval or not
    - Type Certificate (ex.: engine or propeller)
    - European Technical Standard Order (ex.: restraint system or APU)
    - No approval but EASA Form 1 (ex.: high pressure manifold check valve)
    - No approval with no EASA Form 1 (Standard parts)



# AD related to Components

- The component has a design approval
  - The component has a design approval holder.
  - When there is an unsafe condition related to this component, an AD is published addressing directly the component itself.
  - Ex.: EASA PAD [14-160](#) ([Torso restraint system](#))



# AD related to Components

- The component has no design approval
  - The component has no design approval holder.
  - When there is an unsafe condition related to this component, an AD is published applicable to the type design(s) (aircraft or engine) on which the component is known to be installed.
- Ex.: EASA AD [2014-0251](#) for [A320 aeroplanes](#) (Brake Dual Distribution Valve)



# AD related to Components

- How to find these ADs in the AD Publishing Tool?
  - If component has a design approval holder
    - By filtering using the current design approval holder
    - No possibility to filter all « Equipment ADs »
    - Improvements to the system are being developed
  - Ex. in AD Publishing tool: ROMTEX ANJOU AERONAUTIQUE (EASA PAD 14-160)



# AD related to Components

- How to find these ADs in the AD Publishing Tool?
  - If component has no design approval holder
    - By inserting the affected Part Number (P/N) in the “Keyword” field
    - Be careful, only possible if the P/N is part of the text of the AD
    - Sometimes the P/N is only specified by reference in the applicable Service Bulletin
  - Ex. in AD Publishing tool: Brake Dual Distribution Valve (BDDV) P/N A25434006-3 (AD 2014-0251)





# AD related to Components

- Specifics of an AD related to components
  - The AD requires accomplishment of actions if the affected part is installed:
    - Inspection and, depending on findings, corrective actions
    - Modification (removal of the affected part)
- The AD may also have paragraphs which give some conditions for installing the part



# AD related to Components

- Specifics of an AD related to components
  - What are these specific conditions for installing the part ?
    - From the effective date, the part cannot be installed.
    - After modification of an aeroplane, the part cannot be installed.
    - From the effective date, the part can be installed but needs to pass an inspection upon, or prior to, installation.
- Make sure that these conditions are considered (recorded?)



# AD related to Components

- Specifics of an AD related to components
  - Ex.: EASA AD [2014-0228](#) (cargo door to be inspected prior to installation on an aeroplane - A330 & A340 aeroplanes)
  - Ex.: EASA AD [2014-0251](#) (BBDV – Modification – A320 aeroplane)
  - Ex.: EASA AD [2014-0258](#) (CFM56-5 engine / wrong torque – A320 aeroplane)



# AD related to Components

In general:

- Installation of part on an aircraft
  - The installation needs to be approved
  - The part needs an EASA Form 1 (or equivalent)
  - Use of the Illustrated Parts Catalogue (IPC) or Component Maintenance Manual (CMM)
    - It is not directly approved by EASA, only indirectly approved under DOA privileges
- Be careful when installing a part using EASA Form 1 and/or IPC/CMM, as maybe not updated



# AD related to Components

## ➤ Part M – AD / Components

- Prior to installation of a part on an aircraft, it must be ensured that it is eligible to be fitted when AD may be applicable to this part (M.A. 501 – Installation)
- Components are unserviceable when not compliant with a component AD (M.A. 504 – Control of unserviceable components)
- At aircraft level: an AD may be published to require actions on a component



# AD related to Components

## ➤ Part M - Responsibilities

- Owner / Operator is responsible for the continuing airworthiness of the aircraft
- The aircraft continuing airworthiness shall be ensured by the accomplishment of any applicable AD
- Owner / Operator / CAMO might have a contract with a maintenance organisation which accomplishes the maintenance tasks
- But the Responsibility is not transferred



➤ Don't forget:

*COMMENT ON  
EASA PADs !!!  
[ads@easa.europa.eu](mailto:ads@easa.europa.eu)*



# AD related to Components

➤ Any further questions?

**Tell us now or**

**Contact us at: [ads@easa.europa.eu](mailto:ads@easa.europa.eu)**

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# Thank you!

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