

# ETSO Workshop 2022 - Industry session -

**20th – 21st September 2022**

**EASA Direktion  
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# Update of APDOA Procedures EASA recommendations

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# APtoDOA Handbook [ADOH] templates

Initial templates on EASA website were published 2015

Updates published (end of 2020) for:

- Regulation updates (Amendments of EASA Part 21 & AMC/GM)
- Lessons learned (Feedback from PCM's, Experts and DOATL's)
- Changed practices (Applicant Portal, SEPIAC)



# ADOH for ETSO

+ Certification Programme & DDP

# ADOH for ETSO – Main changes #1/4

- General update of the handbook layout, but maintaining the original structure (chapters)
- 'List of effective pages' now optional
- Organisation description:
  - Interface with production
  - Staff nominations (qualification requirements; List of authorised staff)
  - Authorisations related to occurrences (classification), Statement of conformity (prototype, test equipment calibration)

# ADOH for ETSO – Main changes #2/4

- Introduction of the Applicant Portal & SEPIAC
- Certification Programme now a mandatory document for the ETSOA application
- Introduction of the LOI concept:
  - ETSOA applicant do not have to propose the EASA LOI, but they should anyway provide sufficient information (in particular regarding novelty and complexity) for the EASA Certification team to determine their LOI.
  - Reporting of unexpected difficulties / events during the compliance demonstration

# ADOH for ETSO – Main changes #3/4

## → Configuration control

- To emphasize the difference between ‘classic’ configuration control (FFF; drawing revision/amendment) and classification (minor/Major) as per 21.A.611.
- (An alternative component could be FFF equivalent, but still trigger a Major change on ETSOA level.)

## → Production deviations

- To be managed similar as anticipated minor changes, i.e. can be approved by the applicant, but should be periodically reported.

# ADOH for ETSO – Main changes #4/4

## → Classification minor/Major

- Anticipated minor changes are those changes where the classification is clearly minor and can be managed without involvement of EASA
- Minor non-anticipated are those changes where it is not straightforward that they can be managed by the applicant alone, and an application should be made to EASA.
- Anticipated minor change criteria can be in the format of physical product changes (e.g. change of colour), but also more abstract (e.g. max amount of testing as percentage of the full compliance demonstration).



# (ETSO) Certification Programme - changes

- Originally developed looking at Mechanical ETSO only; now more generically applicable, thus including also AEH/SW aspects.
- Added elements as described in AMC 21.A.605(a)(1), which were not yet included.



# DDP - changes

- Added several aspects on recommendation of CT3.3.
- Added declarations so that it covers 21.A.605(a)2, 21.A.605(a)3 and 21.A.606(d)
- Declaration to be signed by a representative of the APtoDOA (not the Manufacturer)
- DDP template will be proposed as update to AMC 21.A.608

# New AMC for ICA

- *21.A.609 Obligations of holders of ETSO authorisations*
  - *(d) make available to users of the article and to the Agency on request those maintenance, overhaul and repair manuals necessary for the usage and maintenance of the article, and changes to those manuals;)*
- AMC1 21.A.609(c) and (d) Obligations of holders of ETSO authorisations
  - DAH/DAA should review all the maintenance and inspection instructions for the particular ETSO article when defining the ICA of the product.

# New AMC for ICA

- AMC1 21.A.609(c) and (d) Obligations of holders of ETSO authorizations
  - DAH/DAA should review all the maintenance and inspection instructions for the particular ETSO article when defining the ICA of the product.
  - the applicant for an ETSO authorization may provide:
    - *instructions that cover periodic maintenance, calibration, and repair for the continued airworthiness of the article, including specific guidance on the limits of wear and damage that would warrant replacement;*
    - *the recommended inspection intervals, which may be affected by storage and operating conditions (i.e. temperature, humidity, etc.).*

Any questions?

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