EASA
European Union Aviation Safety Agency

Product Certification and Design Organisation Approval Workshop 2019

Feedback from side meeting Group 5 - ETSO

Speakers:
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List of Participants:

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Main points of discussion

→ **ETSO Change Classification**

Major vs Minor, Cumulative Minor Change effects?

→ **ETSO as Minimum Performance Standard**

Non ETSO functions, Military aspects and EASA involvement. Installation requirements on ETSO.

→ **DOA Mandatory for certain ETSO beyond APU**

Complex equipment, one criteria being HAZ/CAT effect at A/C level

Main points of discussion

→ **International Matters, Bilat Agreements, Validation**

BASA & TIP status with CAAC

(NOTE: BASA signed already)

Actions identified

→ **ETSO Change Classification ➔ Cumulative Minor Change Effects:**

Cumulative Effects of Minor Changes shall be taken into consideration during the design:

- ❑ Effects on initial Tests performed?
- ❑ Comparison/Analysis based on Similarity between initial design and Minor Change No. “X”?

Actions identified

→ **ETSO as Minimum Performance Standard:**

- Non-TSO functions introduced must be verified to have no adverse effects on TSO-functions.
- Recommendation from Industry to consider including CRIs/SCs into Certification Basis for the ETSO Article.

Actions identified

→ **DOA Mandatory for certain ETSO beyond APU:**

- Implementation of definition of “complex” equipment into the P-21 regulation. No boarder line existing yet what is considered complex or not.
- RMT.0727 in place.

NOTE: Will not be before 2021.

➔Recommendation to the industry to give comments on new planned regulation change (“DOA mandatory”) and on definition what is “complex”/”Non-complex”.

Actions identified

→ **International Matters, Bilat Agreements, Validation:**

China:

- There shall be a streamlined validation process for European ETSO holders to apply for validation for CTSO.
- CTSO – 2 years validity ➔ How this will be addressed by the upcoming TIP?

US:

- If an ETSO article was modified ("PMA"), the ETSOA of this article is no longer valid and the ETSO holder is not longer responsible for it.

Actions identified

- TIP between EASA-US gives the provision of using a FAA TSO as cert. basis for ETSOA under certain conditions.

What did work well

- → Good Organization of the Meeting.
- → Survey to address the topics being most interesting for the participants.
- → Having several EASA experts attending the meeting (to cover specific field/topics).
- → Good cross-section of different disciplines.

Proposals

- → It would be good to have more industry representatives participating such meetings.
- → Other days than Monday/Friday are preferred.
- → Including TCH representatives to such meetings.

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THE END

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