SAE Update:
Fire Containment Covers
&
Fire Resistant Containers

Presented to: International Aircraft Systems Fire Protection Working Group, Cologne, Germany
By: FAA Technical Center
Date: May 8-9, 2018
FAA Update – TSO-C90 ULDs

**TSO-C90 Revision e**

- Finalization and release is projected within 6 months to 1 year after release of AS8992 FRC to allow time for incorporation into TSO

- Incorporates TSO-C203 FCC and Pallet/Assembly Test requirements from AS6453 FCC

- Changes to Markings
  - Weight marking will be removed
  - CFR 14 § 45.15 requirements (TSO article must be marked legibly) will cover markings in lieu of specific size callouts currently used wherever applicable.

- The following documents will be acceptable for use as equivalent in TSO-C90e.
  - SAE AIR1490C / ISO TR8647 (Environmental Degradation - Textiles)
  - RTCA DO-160G, EUROCAE-14G (Environmental Conditions and Test Procedures)
FAA Update – TSO-C90 ULDs

• TSO-C90 Revision f
  – FAA has not scheduled a revision to TSO-C90f
  – Prospective changes:
    • 1490C Environmental Degradation of Textiles (data added) (draft)
    • AS6453A FCC (addresses open items from AS6453) (draft)
    • We are looking into the possibility of eliminating Type 1 ULDs from TSO-C90f or later revision
FAA Update – Under Review

• **Temperature Controlled Container**
  – FAA is reviewing installation requirements

• **Fire Resistant Container**
  – FAA has had correspondence with NTSB concerning ULD fire resistant material (Ref. NTSB SR A-12-069)
  – This has caused FAA to review frame testing requirements
  – FAA is having an internal meeting to establish a recommended FAA position
  – FAA will share results with SAE
Future Work

• FCC, FRC implementation
  – Results of data collected at October AGE-2A meeting will be shared at the October meeting in San Diego.

• Advisory Circular for Fire Containment Covers
  – A new Advisory Circular referencing SAE ARP6905 Recommended Practices, will provide guidance on Fire Containment Covers (not yet released).
  – Advisory Circular is anticipated June 2019.
  – Similar guidance is under consideration for Fire Resistant Containers.
Questions?

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