



Federal Aviation
Administration

SAE Update: Fire Containment Covers & Fire Resistant Containers

Presented to: International Aircraft Systems Fire Protection
Working Group, Cologne, Germany

By: FAA Technical Center

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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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