



Federal Aviation
Administration

SAE Update: Fire Containment Covers and Fire Resistant Containers

Presented to: International Aircraft Systems
Fire Protection Working Group
Atlantic City, New Jersey

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TSO-C90e ULDs

- Goal: release within 6 months after release of AS6278/1
- Incorporates
 - AS6278/1 Fire Resistant Containers
 - AS36100B Air Cargo ULDs
 - AS36102B Air Cargo ULDs-Testing Methods
 - AIR1490C Environmental Degradation of Textiles (data added)
 - AS6453A Pallet, Net, and Accessory (Flammability Requirements)
 - AS6163 Temperature Controlled Containers
- Does not incorporate TSO-C203 and AS6453 (FCC MPS)
- Weight marking will be removed
- The following documents will be acceptable for use as equivalent
 - SAE AIR1490C / ISO TR8647 (Environmental Degradation - Textiles)
 - RTCA DO-160G, EUROCAE-14G (Environmental Conditions and Test Procedures)



TSO-C203a Fire Containment Covers

- Goal: release within 6 months after release of AS6453a
- Incorporates AS6453a Fire Containment Cover – Design, Performance, and Testing Requirements
- Pallet, Net, and Accessory Flammability Requirements will be Incorporated in to TSO-C90e



Fire Containment Cover AC

- An Advisory Circular referencing SAE ARP6905 will provide guidance on how to use and install a Fire Containment Cover
 - Expected to be published late 2019 or early 2020 by Flight Standards
- Similar guidance may be developed for Fire Resistant Containers
- FAA hopes that guidance material will encourage implementation
 - FRC and FCC use is voluntary



Commercial Aviation Safety Team (CAST)

- Updated CAST at their bi-monthly meeting held on October 4, 2018
 - CAST granted FAA an extension (December 2019) for the release of TSO-C90e
- Safety Enhancement SE127 tracks the progress of AS6278/1
 - Objectives of SE127
 - Regulators to determine existing fire suppression and containment capabilities and revise standards to reduce accidents and incidents from cargo fires.
 - Manufacturers will develop new fire systems for operator implementation
- SE127 also tracks the implementation of FCCs and future FRCs
 - FAA will continue to seek input from this committee regarding implementation
- SE225 tracks the development of lithium battery fire containment
 - Dhaval Dhadia will lead off the kick-off discussion for this effort



Questions?

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