

SAE/ISO Fire Containment Covers (FCC) and Fire Resistant Containers (FRC) Standards

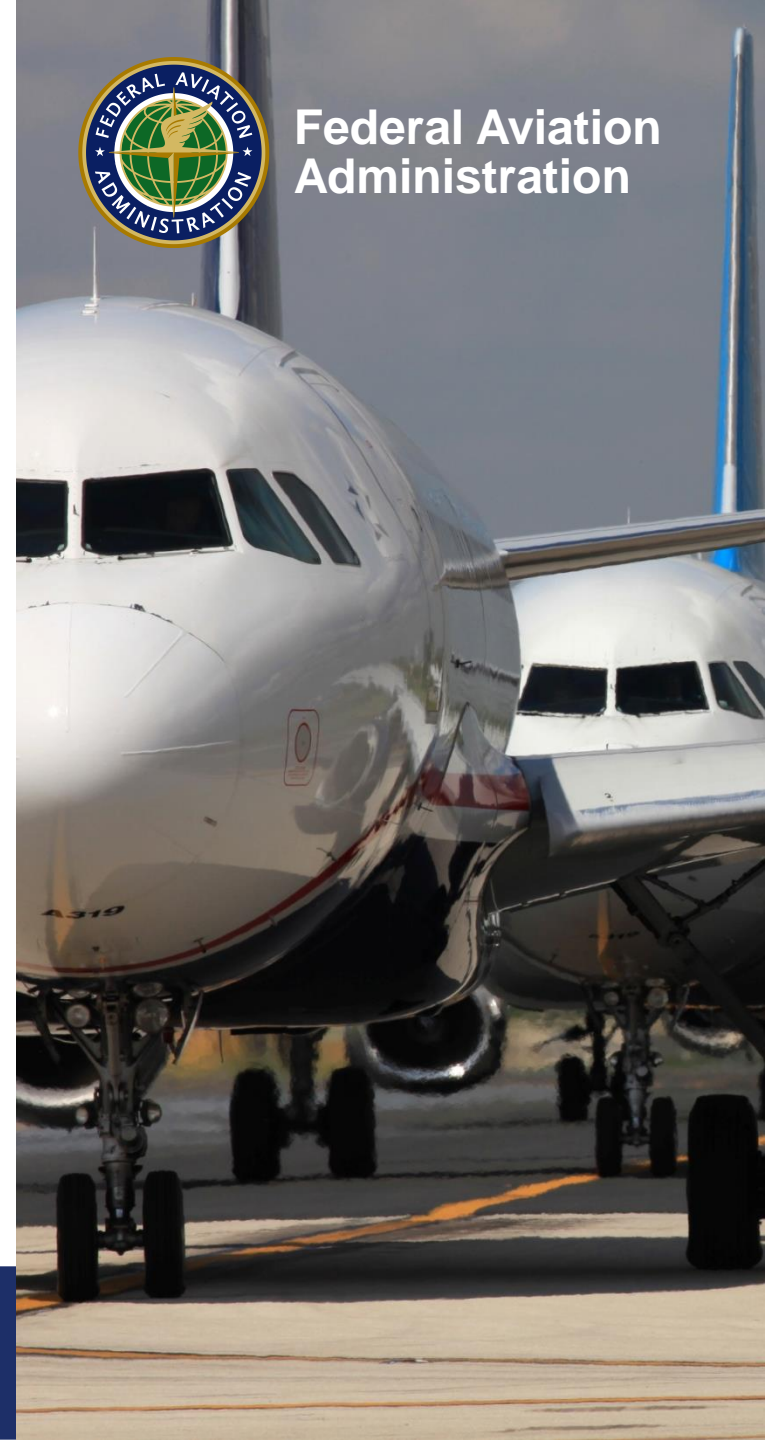
Presented to: International Aircraft Systems Fire Protection Working Group.
Atlantic City, NJ

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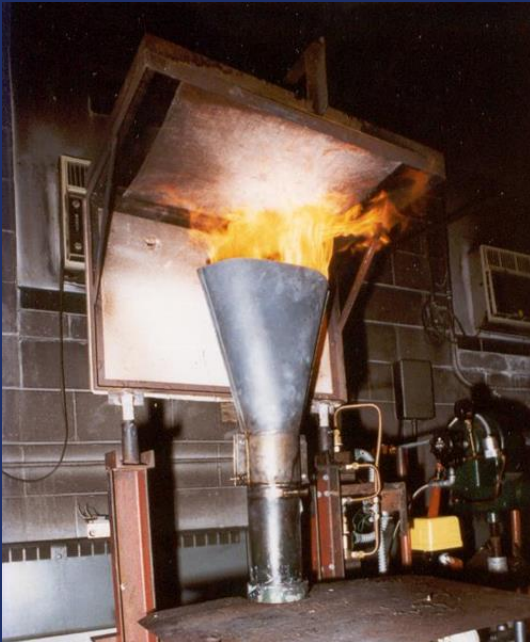


Federal Aviation
Administration



TSO 203 (published in July 2014) references SAE AS6453 standard with modifications.

Modifications are mostly for removal of references to non FAA requirements, maintenance, and pallet and net requirements.



Cargo liner oil burner test



Full scale mockup fire test

The most recent meeting was held on October 13-14, 2015 in Arlington, VA.

A new project was approved to revise SAE AS6453 Fire Containment Covers. The current version allows unlimited external flaming on the FCC if either:

- 1. The external flame is not in close proximity to a thermocouple, or**
- 2. The fire load had shifted and measured temperatures from thermocouples that are no longer within 4 +/- 1/2 inch from the FCC are no longer valid.**

It was agreed that this was not acceptable and revisions were discussed. The issue was not resolved.

Fire Resistant Containers (FRC)

- **ISO/CD 19281 is in Stage 50 (Approval Stage). Stage 60 (Publication) to follow.**
- **SAE standard AS 6278 Fire Resistant Containers is under development. Differences exist between the two standards.**
- **SAE approval process will follow. New/revised FAA TSO or alternate approval method will be issued following SAE standard publication.**

Unresolved Issues:

- **Lithium Batteries.**
- **Possible delayed smoke detection from a fire originating in either a FCC covered pallet or inside a FRC.**
- **FRCs with built in detection and/or suppression systems.**

