

SAE Standards on Fire Containment Covers and Fire Resistant Containers

International Aircraft Systems Fire
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Federal Aviation
Administration



Fire Containment Covers

- **SAE AGE 2 Air Cargo** drafted the standard
 - AS 6453A “Fire Containments Covers– Design, Performance and Testing Requirements”
 - Derived from ISO 14186
 - Updated to make slight modifications to testing requirements
 - Designs for containment of a Class A fire
 - Class A = ordinary combustibles such as wood, cloth, paper, rubber and plastics
- **TSO-C203a** will incorporate this standard once released
- **ARP (Aerospace Recommend Practice) 6905 Operation and Use Document** should also be released this year



Fire Resistant Containers

- **SAE AGE 2 Air Cargo drafted the standard**
 - AS8992 “Fire Resistant Container – Design, Performance and Testing Requirements”
 - Derived from ISO 19281
 - Provides Unit Load Device (ULD) container performance and testing requirements for the containment of a Class A fire
 - Class A = ordinary combustibles such as wood, cloth, paper, rubber and plastics
- **TSO-C90d (to be released end of this year) incorporates this standard**



Current Work

- **FAA is working on guidance on the hazard assessment and risk mitigation related to cargo carriage**
 - FRCs and FCCs provide varying levels of control in fire suppression and containment
 - TSO requirements and designs will evolve
 - Updated research and information should inform carrier Safety Management Systems
- **Consensus Standards Committees are beginning work on:**
 - Installation of tracking technologies to containers
 - Development of additional fire loads in order to test containers
 - Current TSO test for FCCs and FRCs is only for a Class A fire
 - Improved Fire Containment and Suppression Containers



Questions?

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