10/29/2024

Fire Safety Branch Overview

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Federal Aviation Administration

Fire Safety Branch Mission

To prevent fatal accidents caused by in-flight fire and to improve survivability during a post-crash fire.





Forum Meeting Objective





Fire Safety Overview

Cargo Fire Safety

Hazardous Materials

Propulsion

Materials Flammability

Advanced Materials



Cargo Fire Safety







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enger Baggage			

Cargo Compartment Halon Replacement Fire Resistant Containers / Fire Containment Covers

Class-E Cargo Fire Suppression Cargo Hazard Website



Hazardous Materials Research



UN Battery Classification



SAE G-27 Battery Packaging Standard



Fire Containment Bags



Batteries Packed in Equipment



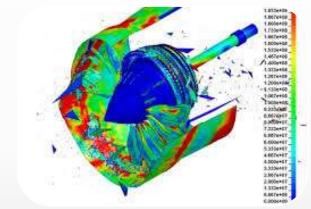
Handheld Comparison for Lithium Battery Fires



Propulsion







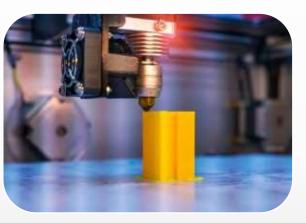
Propulsion Halon Replacement Powerplant Materials Test Method Hydrogen

CFD Modeling

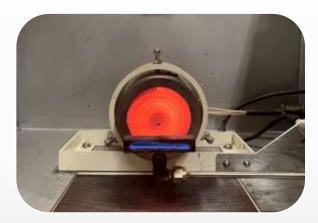


Materials Flammability









RTCA Test Method

Additive Manufacturing

Heat Release Testing Vertical Flame Propagation

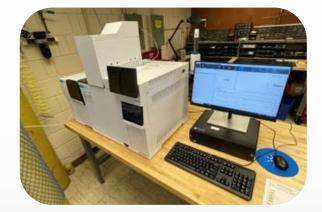


Advanced Materials









Detonation/Bomb Calorimetry

ML / Fire Modeling

MCC Inter-Laboratory Study Combustion Gas Analysis



Presentations & Task Group Schedules

Tuesday

Materials Flammability

Advanced Materials

Materials Task Groups

Wednesday

Materials & Systems Task Groups

Hazardous Materials

Cargo Fire Safety

Propulsion Fire Safety

Thursday

Systems Task Groups

