Keynote Address

Gus Sarkos Manager, Fire Safety Branch FAA William J. Hughes Technical Center

The 4th Triennial International International Fire & Cabin Safety Research Conference
November 15 – 19, 2004
Lisbon, Portugal

International Aircraft Fire and Cabin Safety Research Conference

(Transport Category Airplanes)

Sessions will include:

General Issues

Prioritization Accident Databases Risk/Benefit Analysis

Materials Fire Safety

Fuselage Burnthrough Resistance Thermal/Acoustic Insulation Flammability Test Methods Advanced Fire-Resistant Materials Flammability of Hidden Materials

System Fire Safety

Halon Replacement
Fuel Tank Fire and Explosion
Protection
OBIGGS/OBOGS
Fire Detection
Fire Suppression
Engine Fires
Fire Protection in Isolated Areas

Evacuation

Computer Modeling
Safety Issues
Protocols and Equipment
Experimental Results
Data Analysis
Passenger Education

Crash Dynamics

Component Testing Injury Criteria Computer Modeling Airframe Structure

Operational Issues

Cabin Crew Training Turbulence Safety Equipment Safety Briefing Education and Training

This conference is the fourth in a series of triennial conferences established to inform the aviation community about recent, ongoing, and planned research activities in aircraft fire and cabin safety. The Conference is designed to address both engineering and cabin crew concerns and requirements.







This Conference is Organized & Conducted By

Cabin Safety Research Technical Group













Transport Canada Transports Canada

Fire Safety Home Page www.fire.tc.faa.gov



Just Released

Final Rule:

Improved Flammability Standards for Thermal/Acoustic Insulation Materials Used in Transport Category Airplanes

Click here for the PDF file.

New Announcements

The Fourth Triennial International Fire & Cabin Safety Research Conference will be held November 15-18, 2004, in Lisbon, Portugal.

Click here for information.

Conference Program Now Available

Highlights



1997 Highlights 1998 Highlights 1999 Highlights

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Importance of ...

- This Conference
- Working Together
- Practicality & Cost Effectiveness
- Harmonization

Primary R&D Drivers

- Accidents & Incidents
- New Aircraft Designs
- Advanced Technology

New Aircraft Designs





Fire Safety

Sessions

- Overviews, Perspectives, Accidents/Incidents
- Fuel Tank Inerting
- ≻2½ Days
- Fuel Flammability
- Thermal Acoustic Insulation Flammability
- Hidden Fire Safety
- Halon Replacement
- Smoke/Fire Detection
- Etc.







Fire Safety

Future R&D

- Fuel Tank Inerting NPRM
- Fuel Flammability
- Hidden Fire Safety
- Composite Transport Aircraft
- Very Large Transport Aircraft
- Ultra-Fire Resistant Materials
- Etc.







Evacuation

Sessions

- VLTA
- Modeling/Simulation
- Evacuation Aids/Performance
- Crew Management
- Passenger
 Performance/Awareness



Evacuation

Future R&D

- VLTA
- Modeling/Simulation
- Crew Management
- Pax Performance/Awareness
- Blended Wing Aircraft



Proactive Research

on New Aircraft Designs & Technology

- Need to Stay Ahead of Industry
- May Not Come to Past (Wasted Resources?)
- New Technology
 - Assumptions to Set Standards Still Valid?
 - Develop New Standards, If Needed
 - Regulations Apply?
 - Need to be Better Prepared

Crash Dynamics

Session

- Testing/Modeling
- Dynamic Seat Test Simplification
- Side Facing Seats
- Modeling Applications
- Testing Commuters & Helicopters
- Passenger Protection
- Etc.

Future R&D

- Analytical Modeling
- Generic Design Crash Resistant Fuel System
- Commuter Seat Test Standards?



Operational Issues

Session

- Pax Awareness & Education
- Turbulence
- Direct View
- Cabin Simulators

Additional Areas of Concern

- Cabin/Cockpit Crew Communication
- Hidden In-Flight Fires Needs
 - Realistic Training
 - Firefighting Procedures
 - Halon Safety
- Pax Use of Emergency Equipment
- Medical Issues
- Carry-On Electrical Devices
- Budget Airline Operations







Continue to Strive for Improvements





Announcing....

The
Fourth Triennial
International
Aircraft
Fire and Cabin
Safety Research
Conference

November 15-18, 2004



Parque das Nacoes Conference Center Lisbon, Portugal

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