

Cabin/Fire Safety Research

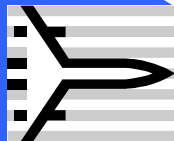
An Effective Approach!

Maher Khouzam

Chief, Regulatory Standards


Aircraft Certification

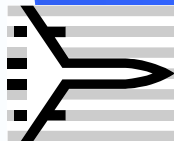
Transport Canada Civil Aviation



Cabin/Fire Safety Research

Overview

- Safety objectives
- What is *Cabin Safety*
- Why collaborate?
- Research *partners*
- The CSRTG: what, why, who, how..?
- Why are we here?
- 



Cabin/Fire Safety Research

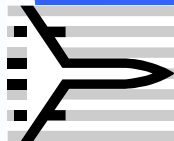
Safety objectives   

   ZERO accidents

   Idealistic!

   ZERO fatalities/injuries

   Realistic !

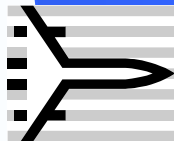


Cabin/Fire Safety Research

'Cabin safety' 

Addresses...

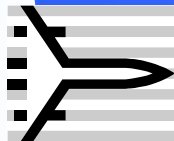
- *acute events, through...*
- *changes within the cabin*



Cabin/Fire Safety Research

Why collaborate  ?

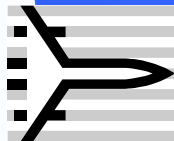
- Civil aviation is global
 - must *harmonize* ('level playing field')
- Rules/standards require valid basis
 - must *justify/rationalize*
- Resources are limited
 - research must be *cost-effective*
- Safety elements interact
 - approach must be *integrated*



Cabin/Fire Safety Research

Research 'partners' 

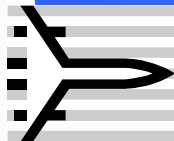
- Aviation authorities / Government agencies
- Research organizations / test labs
- Aircraft/equipment manufacturers
- Operators
- Crew members
- ... The public



Cabin/Fire Safety Research

The CSRTG 

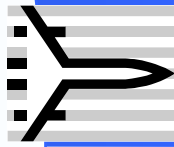
- Set up in the early nineties
- Implement joint/cooperative programs
- FAA, TCA, JAA, JCAB & CASA
(management & technical *elements*)



Cabin/Fire Safety Research

The CSRTG 

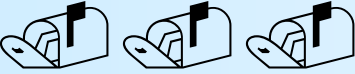
- Range of knowledge/expertise/experience
- Close cooperation
- Commitment
- Achievable goals / realistic solutions
- Industry cooperation

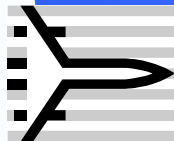


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The CSRTG 

- Program Plan
- Programs/projects' agreement/coordination
- Benefit analyses
- Accident database/library
- Standards' development

 a *model* for other research programs



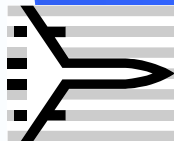
Cabin/Fire Safety Research

We are here to 

- Present results of work (CSRTG)
- Share and learn / obtain feedback
- Establish contacts & get involved

 Pursue our

goals



Cabin/Fire Safety Research

Requires 

- Cooperation \Rightarrow *Harmonization*
- Inventiveness \Rightarrow *Open minds*
- Team work \Rightarrow *Initiative sharing*

Because 

Safety depends on

 ***all of us***

