

MATERIALS FLAMMABILITY WORKING GROUP

IAMFTWG MEETING
OCTOBER 19, 2011
STATUS REPORT

BACKGROUND

- ARAC: Aviation Rulemaking Advisory Committee
- Working Group: Given a specific task with a time limit, then disbands.
- Task: Reorganization of Part 25 Flammability Regulations based on realistic in-flight and post-crash threats.

Federal Register Tasking

SUMMARY: The FAA assigned the Aviation Rulemaking Advisory Committee a new task to review and submit recommendations in response to the Federal Aviation Administration's approach to update, reorganize and improve the level of safety of requirements for flammability of materials.

The Task

The ARAC is asked to consider the merits of the FAA's proposed approach for a threat-based structure for part 25, Appendix F, and make recommendations for improvement, classification of the various parts of Appendix F, and advisory material necessary for implementation.

MISSION

- Maintain or improve safety while reducing unnecessary testing.
- Clarify language to assure the proper items are tested.
- Harmonize efforts with IAMFTWG efforts in revision of Fire Test Handbook, FSTG efforts on testing clarifications and MOC's.
- Harmonize proposed wording with international Airworthiness Authorities and airframers.

MEMBERS

NAME	COMPANY
Ralph R. Buoniconti	SABIC Innovative Plastics
Francisco Landroni	Embraer
Ian Lulham	Bombardier
Jean-Francios Petit	Airbus
Claude Lewis	Transport Canada
Scott Campbell	C&D Zodiac
Mike Miler	Schneller
David E. Lucas	Cessna Aircraft Company
Ed Nixon	Gulfstream
Jeff Gardlin	FAA
Kendall Krieg	Boeing
Cheryl Hurst	American Airlines
Jim Davis	AccuFleet
Robert Trimble	Weber
Thomas Livengood	BEAerospace
Becky Wulliman	Evonik
Phuong Ta	Goodrich
Serge Le Neve	DGA
Enzo Canari	EASA
Jean Claude Lerminiaux	Dassault
Dick Hill	FAA

STATUS NOW

- Draft 25.853 (and associated 25.xxx edits) and Appendix F parts I-III
- Draft of AC guidance for cargo compartments
- Outline of AC guidance for inaccessible areas, cabins
- Group disbands first half of next year.

Section 25.853

General Requirements

As specified in this section and the associated Appendix F, all aircraft parts, components and assemblies within and including the fuselage must provide protection from the foreseeable fire threats. The foreseeable threats are in-flight threats, as well as the post-crash threat.

Aircraft parts, components and assemblies subjected to these in-flight threats shall not present a direct hazard to the occupants, and shall allow the continued safe flight and landing of the aircraft.

Aircraft parts, components and assemblies subjected to the post crash fire threat shall maintain survivable cabin conditions for a period of time adequate to facilitate evacuation.

Methods for showing compliance with these requirements are specified in this section, the associated Appendix F, and the Aircraft Materials Fire Test Handbook, 12/12/2012 revision.



QUESTIONS?