

# Radiant Panel Test for Thermal/Acoustic Insulation

**Pat Cahill**

**Engineer, Fire Safety Team**  
FAA Wm. J. Hughes Technical Center  
Atlantic City International Airport, NJ 08405

**International Aircraft Materials Fire Test Working Group**  
Atlantic City, NJ  
October 19 – 20, 2011



**Federal Aviation  
Administration**



# Updates Since Last Meeting

- The Task Group discussed the pros and cons of testing smaller samples and the Group decided to stay with the full-size samples specified in the Rule and the Handbook.
- The FAA General Test Method is now on the KSN web site.
- There are a few differences between the Airbus and FAA test methods.
- We will be discussing these during the Task Group meeting.
- Examples include:
  - 3-position check
  - Calorimeter exposure during pre-heating the chamber
  - Thermocouple placement (the FAA General Test Method has a new drawing showing the thermocouple placement)
  - When to slit the sample
- Another important issue that we will discuss with the Task Group is the flame propagation measurement.

# Advisory Circular (AC) 25.856-1

- We have started reviewing the AC
- We were given a list of proposed changes and additions that we are also looking at.

