

## Abstract: The Radiant Heat Panel Test for Aircraft Ducting Materials

This presentation will discuss the currently developed fire test protocol specifically designed to become a candidate test procedure to replace the currently used Federal Aviation Administration certification test, known as the 12-second vertical Bunsen burner test (found in FAR 25.853), to certify aircraft ducting materials. Based on recent test results, especially the intermediate-scale tests where raging fires were experienced, it was concluded that the current FAA-required 12-second vertical Bunsen burner test is not an adequate test discriminator method to achieve the FAA's fire performance goal for ducting material and that an improved fire test method and criteria for ducting materials should be developed. The Radiant Heat Panel Test for Aircraft Ducting Materials was developed under the auspices of the International Aircraft Materials Fire Test Working Group.