

**FIRE TESTS ON COMPONENTS USED IN FIRE ZONES
(ISO 2685 / AC20.135)**

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Various test methods, standards and guides are used to assess the fire behaviour of the components used in aircraft fire zones. These test methods allow the usage of 2 types of burners (propane / kerosene burners). The flammability test laboratory of *DGA Aeronautical Systems* (ex. CEAT (Toulouse Aeronautical Test Centre)) often performs tests according to these test methods and standards. In some cases we noted significant differences in test results depending on the burner chosen.

DGA Aeronautical Systems carried out a short study to check and have a greater understanding of this issue. This study clearly shows that the test results can be very different depending on the test methods or burners used. These test results led the CEAT to ask for a revision of the ISO 2685.

The talk will present:

- the characterisation of the 2 types of burners,
- some comparative test results under various test conditions (using the propane and kerosene burners).

The talk will also present the progress of the ISO2685 review and the possible ways to enhance this standard.