

# Radiant Panel Test for Thermal Acoustic Insulation

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# General Check Sheet for Radiant Panel Operators

- The majority of labs that had a compliance check of their Radiant Panel Test Chamber were required to submit a formal Test Plan to their ACO or Authority.
- Some labs were not required to submit a test plan, but had to have one in place.
- Good record keeping is essential... such as when the heat flux gauge was last calibrated, how long the samples were conditioned, etc. These items would be included in the test plan.
- Boeing has submitted a Daily Radiant Panel Checklist.
  - Copies will be given to the Task Group participants.
  - The Checklist contains most of the items contained in a Test Plan, they are separated in to a “cold start” section and a “hot start/calibration” section.
  - A checklist might be a more concise and quicker way to ensure the radiant panel test chamber is ready to go.

# Further Discussion and Information for the Task Group

- Review the Boeing Checklist.
- As you review the Checklist, please comment and add your ideas as this should be a group effort.
- Please discuss the length of time the sample is left in the chamber if it fails after flame (greater than 3 seconds) and/or flame propagation (beyond 2 inches - 51mm). This is important as we would like to add information on this for inclusion in to the “new” Workbook.
- Are there any recommendations (such as new additions or further information) for updating the current AC 25.856-1?
- We are planning on a damping system Round Robin. Details will be sent to those who will participate.
- Statistical analysis is being performed on the results of the last Round Robin. They will be available to all participants when complete.