

Contamination and Aging Task Group Update

6-18-08

Niagara falls, NY

Contamination & Aging Task Group

- Writing a Task Group Summary Report:
 - Airline Contamination Survey
 - In-service Insulation Blanket Evaluations
 - Flammability Testing of Contaminants
 - Aging Methodologies
 - Contamination Risk Mitigation Methodology and Roadmap

Contamination & Aging Task Group

- **Airline Contamination Survey:**

Task Group Recommendations:

- Identify sponsor organizations in the Airline Maintenance community to enable information sharing and sample gathering, as well implementation of mitigation solutions.
- Airlines to identify potential “contaminate” materials used during maintenance. Task Group to perform controlled testing.

Contamination & Aging Task Group

- **In-service Insulation Blanket Evaluation:**

Task Group Recommendations:

- Define appropriate test methods for evaluating in-service insulation blankets.
- Work with Airlines to initiate “blanket” collection plan.

Contamination & Aging Task Group

- **Flammability Testing of Contaminants:**

Task Group Recommendations:

- Identify common materials used during maintenance, and evaluate flammability performance.
- Review maintenance procedures to verify that controlled processes are defined when using maintenance materials.

Contamination & Aging Task Group

- **Aging Methodologies:**

Task Group Recommendations:

- Continue to support the “Aging of Polymer Films” consortium through University of Massachusetts.
- Work with Airline groups to develop a plan for evaluating aged insulation blankets.

Contamination & Aging Task Group

- **Contamination Risk Mitigation Methodology and Roadmap:**

Task Group Recommendations:

- Work with the Airline maintenance groups to develop plans to address future actions for control of contamination for continued airworthiness.
- Support to Airline Maintenance groups regarding EWIS/MSG3 .
 - EWIS – Electrical Wiring Interconnecting Systems
 - MSG – Maintenance Steering Group

Contamination & Aging Task Group

- **EWIS Regulation, Docket No.: FAA–2004–18379 – Enhanced Airworthiness Program for Airplane Systems/Fuel Tank Safety (EAPAS/FTS); November 2007**

“The EWIS ICA (Instructions for Continued Airworthiness) must be developed through the use of an enhanced zonal analysis procedure (EZAP). The ICA must include tasks, and intervals for performing those tasks, to reduce the likelihood of ignition sources and accumulation of combustible material and tasks to clean the EWIS of combustible material if there is not an effective task to reduce the likelihood of its accumulation.”