

INTERNATIONAL AIRCRAFT SYSTEMS FIRE PROTECTION WORKING GROUP MEETING

October 29-30, 2014

Preliminary Agenda*

Tropicana Hotel-Casino, Atlantic City, New Jersey, USA

WEDNESDAY, OCTOBER 29, 2014

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| 8:30-8:40 AM | Welcome/Meeting Logistics/Attendee Introductions |
| 8:40-9:10 AM | Flight Deck Smoke Penetration Testing Update – (R. Morrison – FAATC) |
| 9:10-9:30 AM | Smoke Transport Code – (E. Oztekin – TAMI) |
| 9:30-9:50 AM | Status of NexGen Burner for Powerplant Testing – (S. Summer – FAATC) |
| 9:50-10:05 AM | Break |
| 10:05-10:25 AM | EASA Powerplant Installation – Fire Testing – (R. Deletain – EASA)** |
| 10:25-10:45 AM | Updated Experimental Investigation of the NexGen Burner – (U of Cincinnati) |
| 10:45-10:55 AM | Commercial Aviation Safety Team – (D. Blake – FAATC) |
| 10:55-11:15 AM | SAE/ISO Standards on Fire Containment Covers and Fire Resistant Containers
(D. Blake – FAATC) |
| 11:15-11:35 AM | Smoke, Fire, Fume Events Study – R. Hill (FAATC) |
| 11:35 AM-1:15 PM | Lunch (on your own) |
| 1:15-1:55 PM | Class E Cargo Compartment Fire Suppression Testing: FRC & Water Mist –
(D. Dadia – FAATC) |
| 1:55-2:15 PM | UPS Freighter Fire Protection Projects Update – (R. Brown – UPS) |
| 2:15-2:25 PM | Class C Cargo Compartment ULD Suppression Agent Penetration – (D. Blake – FAATC) |
| 2:25-2:30 PM | Bulk Storage of iPads – (T. Maloney –FAATC) |
| 2:30-2:50 PM | Consideration of Fuel Cells for Future Airplanes – (A. Carlo – Boeing) |
| 2:50-3:00 PM | Update on EURCAE/SAE Fuel Cell Standards – (S. Summer – FAATC) |
| 3:00-3:15 PM | Break |
| 3:15-3:35 PM | Update on Status of RTCA/FAA Documents – Batteries (S. Summer – FAATC) |
| 3:35-4:05 PM | Battery Heat Release Testing – (R. Walters – FAATC) |
| 4:05-4:35 PM | Lithium Battery Thermal Runaway Vented Gas Composition – (T. Maloney – FAATC) |
| 4:35-5:15 PM | Lithium Battery Chemistry and Size Comparative Testing – (S. Summer/T. Maloney) |

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THURSDAY, OCTOBER 30, 2014

- 8:30-8:45 AM Propagation of Lithium Battery Fire in an Inert Environment – (T. Maloney/S. Summer)
- 8:45-8:55 AM ICAO Transport of Lithium Batteries/Multidisciplinary Meeting Update (R. Hill – FAATC)
- 8:55-9:15 AM USTC and Boeing Fire Test Results of Li-ion and Li-metal Batteries – (D. Ferguson – Boeing)
- 9:15-9:45 AM Battery Safety Testing and R&D Programs at Sandia – (C. Orendorff – Sandia)
- 9:45-10:05 AM Maturity of AOA's Fire Extinguishing System – (G. Wedler – AOA-Dresden)
- 10:05-10:25 AM Carbon Dioxide for Cargo Fire Suppression – (P. Rohrbach/R. Beuermann – Airbus)
- 10:25-10:35 AM Break
- 10:35-11:05 AM Environmental Update/Halon ARC Update – T. Cortina (HARC)
- 11:05-11:25 AM Engine Halon Replacement Testing Update/Future Plans – (D. Ingerson – FAATC)
- 11:25-11:40 AM Handheld 2-BTP Halon Replacement Update
(M. Madden-Boeing/ B. Colton-American Pacific)
- 11:40 AM-12:00 PM Industry Collaboration/Consortium (IC) Research Effort to Develop a Single, Industry-Wide Non-halon Fire Extinguishing Agent for Engine and Auxiliary Power Unit Fire Zones. A proposal of the IC's structure, statement of work, deliverables, and schedule will be discussed. (R. Bennett - Boeing)
- 12:00-12:20 PM International Coordinating Council Aerospace Industries Association Cargo Compartment Halon Replacement Working Group Overview (ICCAIA CCHRWG) (A. Macias - Boeing)
- 12:20-12:40 PM Working Group Member Presentations
- 12:20-12:30 PM Fire Containment of Runaway Lithium Metal Cells
– (T. Riley -PyroPhobic Systems)
- 12:30-12:40 PM PlaneGard™– Capture and Contain PED Fires –
(M. Gilchrist - PlaneGard™)
- 12:40 PM Additional Discussion/Closing

***Agenda is subject to changes closer to the meeting date.**

****Tentative.**