

INTERNATIONAL AIRCRAFT SYSTEMS FIRE PROTECTION WORKING GROUP MEETING

Hosted by EASA, Cologne, Germany

May 22-23, 2013

Agenda

WEDNESDAY, MAY 22, 2013

- 9:00-9:15 AM Welcome, Meeting Logistics, and Introductions
- 9:15-9:30 AM Flight Deck Smoke Penetration Testing (D. Blake)
- 9:30-9:40 AM Smoke Transport Code (D. Blake)
- 9:40-10:00 AM Cargo Smoke Detection False Alarm Rejection Standard AS 8036 Status (A. Freiling)
- 10:00-10:15 AM *Break*
- 10:15-10:35 AM Status of NexGen Burner for Powerplant Testing (R. Hill)
- 10:35-10:50 AM EASA Powerplant Installation – Fire Testing (R. Deletain)
- 10:50-11:10 AM Temperature Mappings of NexGen and Propane Burners: Update of Round Robin Fire Test – University of Cincinnati
- 11:00-11:25 AM Commercial Aviation Safety Team (D. Blake)
- 11:25-11:55 AM SAE/ISO Standards on Fire Containment Covers and Fire Resistant Containers (D. Blake)
- 11:55-1:30 PM *Lunch*
- 1:30-1:45 PM Bulk Storage of iPads (R. Hill)
- 1:45-2:00 PM Water/Ice in Fuel Research Activities – EASA (R. Deletain)
- 2:00-2:30 PM Class E Cargo Compartment Fire Suppression Testing (D. Blake)
- 2:30-2:45 PM *Break*
- 2:45-3:05 PM Lithium Fire Scenario – Cargo MPS (D. Blake)
- 3:05-3:25 PM Risk Benefit Analysis for Freighter Fire Suppression/Mitigation Model Report (R. Hill)
- 3:25-3:35 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. (A. Macias)
- 3:35-4:05 PM International Coordinating Council Aerospace Industries Association Cargo Compartment Halon Replacement Working Group Overview (ICCAIA CCHRWG) (R. Bennett)
- 4:05 PM Additional Discussion

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THURSDAY, MAY 23, 2013

- 9:00-9:20 AM HFC-125 Test Observations in Nacelle Fire Simulator (D. Blake)
Status of FAA Engine Nacelle Reports
- 9:20-10:00 AM Full-scale Lithium Battery Testing (R. Hill)
- 10:00-10:20 AM Passive Fire Protection for Lithium Battery Shipments (R. Hill)
- 10:20-10:40 AM Extinguishment of Lithium Batteries (R. Hill)
- 10:40-10:50 AM *Break*
- 10:50-11:00 AM Status of RTCA Document – Batteries (R. Hill)
- 11:00-11:15 AM Cone Calorimeter Battery Heat Release Rate Testing (D. Blake)
- 11:15-11:35 AM UPS Update (J. Ransom)
- 11:35-12:00 PM Effect of Loading on Handheld Extinguisher Agent Stratification (D. Blake)
- 12:00-1:30 PM *Lunch*
- 1:30-1:50 PM Handheld Extinguisher Optimization (D. Blake)
- 1:50-2:05 PM Handheld 2-BTP Update (M. Madden)
- 2:05-2:35 PM Analysis of Suppressant-Enhanced Overpressure in the FAA Aerosol Can Simulator–
Project Update (G. Linteris)
- 2:35-3:05 PM Halon Contamination Work (L. Wallace)
- 3:05-3:25 PM Proposed Study on Smoke, Fire, Fume Events (R. Hill)
- 3:25-3:35 PM 2013 Conference (R. Hill)
- 3:35-4:00 PM Working Group Member Presentations
3:35-3:45 PM Shipment of Lithium Ion Batteries Work at Akro Fireguard – J. Greene
- 4:00 PM Additional Discussion/Closing