

# INTERNATIONAL AIRCRAFT SYSTEMS FIRE PROTECTION WORKING GROUP MEETING

October 21-22, 2015

## Preliminary Agenda

Hosted by FAA Fire Safety Branch  
Tropicana Hotel- Casino, Atlantic City, New Jersey, USA

Meeting Room: Grand Exhibition Center – South Tower

**IMPORTANT REMINDER: CELL PHONES OFF OR IN SILENT MODE DURING MEETING**

### WEDNESDAY, OCTOBER 21, 2015

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|------------------|--|
| 9:00-9:15 AM     | Welcome and Meeting Logistics – D. Blake (FAATC)   |
| 9:15-9:30 AM     | Attendee Introductions   |
| 9:30-9:45 AM     | Smoke Source Project Plan – R. Morrison (FAATC)  |
| 9:45-10:15 AM    | Modeling of Hidden Fire Smoke Signature in Aircraft– E. Oztekin  |
| 10:15-10:30 AM   | <i>Break</i>   |
| 10:30-10:50 AM   | Status of NexGen Burner for Powerplant Testing – S. Summer/S. Rehn (FAATC)   |
| 10:50-11:05 AM   | Effect of Setup and Test Cell Conditions on Burnthrough of AI Panels –<br>Ryan Hasselbeck (University of Cincinnati) |
| 11:05-11:20 AM   | SAE/ISO Standards on Fire Containment Covers and Fire Resistant Containers<br>(FAA)                                  |
| 11:20-11:40 AM   | Commercial Aviation Safety Team – J. Gardlin (FAA)   |
| 11:40-11:55 AM   | Smoke, Fire, Fume Events Study – R. Hill (FAATC)   |
| 11:55 AM-1:30 PM | <i>Lunch</i>   |
| 1:30-1:50 PM     | Class E Cargo Compartment Fire Suppression Testing – D. Dadia (FAATC)  |
| 1:50-2:10 PM     | Water Mist – Path to Realization – Albrecht Hopfe (AOA)  |
| 2:10-2:30 PM     | UPS Update – Bob Brown (UPS)   |
| 2:30-2:50 PM     | Class C Cargo Compartment ULD Suppression Agent Penetration – D. Blake (FAATC)                                       |
| 2:50-3:10 PM     | Battery & Fuel Cell Industry Working Group Updates – S. Summer (FAATC)   |
| 3:10-3:30 PM     | <i>Break</i>   |
| 3:30-4:00 PM     | Destructive Hydrogen Fuel Cell Tests – S. Summer (FAATC)   |
| 4:00-4:30 PM     | Energetics of Lithium Ion Battery Failure – R. Lyon (FAATC)  |
| 4:30-4:55 PM     | Lithium Battery Thermal Runaway Vent Gas Analysis – T. Maloney (FAATC)   |
| 4:55-5:10 PM     | Flammability of Mixed Battery Gases and the Inerting Effects of Halon –<br>Matt Karp (Rutgers)                       |

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## THURSDAY, OCTOBER 22, 2015

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|-------------------|--|
| 9:00-9:15 AM      | Test Results of A Lithium Battery Transport Containment – Paul Rohrbach (Airbus)   |
| 9:15-9:30 AM      | Lithium Ion Battery Fire Test - Shakir Jamaldeen (AmSafe Bridport)   |
| 9:30-9:45 AM      | Update of ICCAIA Presentation to the ICAO Dangerous Goods Panel –<br>Doug Ferguson (Boeing)/Paul Rohrbach (Airbus)                               |
| 9:45-10:00 AM     | Status of ICAO Lithium Battery Activities – H. Webster (FAATC)   |
| 10:00-10:30 AM    | Halon Replacement, Aircraft Engine Nacelle: Assessing a Blended Candidate –<br>D. Ingerson (FAATC)   |
| 10:30-10:50 AM    | Reconsidering Carbon Dioxide as a Nacelle Fire Extinguishing Agent –<br>D. Ingerson (FAATC)  |
| 10:50-11:10 AM    | <i>Break</i>   |
| 11:10-11:25 AM    | Halon Replacement for Airplane Portable Fire Extinguishers – Progress Report –<br>Mike Madden (Boeing)   |
| 11:25-11:40 AM    | Status/Update of New Agent Development – Mark Robin (The Chemours Company)   |
| 11:40-11:55 AM    | Results of Halon ARC – R. Hill (FAATC)   |
| 11:55 AM-12:10 PM | EASA Rulemaking Activities – R. Deletain (EASA)  |
| 12:10-12:25 PM    | Montreal Protocol Decision XXVI/7 Report – Dan Verdonik  |
| 12:25-12:40 PM    | Engine/APU Halon Replacement Industry Consortium - Halon Alternatives for Aircraft<br>Propulsion (HAAPS) – Alan Macias (Boeing)                  |
| 12:40-12:55 PM    | Cargo Compartment Halon Replacement Working Group Update(CCHRWG) –<br>Robin Bennett (Boeing)   |
| 12:55-1:15 PM     | Working Group Member Presentations   |
| 12:55-1:05 PM     | Development and Qualification of a halon-alternative 5BC cabin handheld fire<br>extinguisher for Commercial Aircraft - Joachim Scholz (P3 Group) |
| 1:05-1:15 PM      | Kevlar® XF for Fire Resistant Containers– Ley Richardson (DuPont)  |
| 1:15-1:30 PM      | Additional Discussion/Closing  |