Cargo Compartment Halon Replacement
MPS Document Review and Revision Updates

Presented to: International Aircraft Systems Fire Protection Forum Meeting
By: Dhaval Dadia
Date: August 3, 2020
Agenda

- Halon Handbook
- Progress
- Timeline
Halon Handbook

• Combining the Halon Replacement Standards into a single document
  – Lavatory
  – Handheld
  – Cargo Compartment
  – Engine Nacelle

• Adopt the “living document” approach to be able to make changes to the document more easily.
Progress

• Completed 20/30 Sections
• Task Group members are working towards completing the remaining sections
Cargo Compartment Halon Replacement Minimum Performance Standard

Revision Timeline

1st Draft Version

8/25/2020

1st Session
Battery Fire
Cargo Test Cell Details
Fire Scenarios

2nd Session
Leak Rate Tests
Unsuppressed Fires
Halon Baseline

3rd Session
Acceptance Criteria
Suppression System
Design Examples of Concentration Tests

4th Session
Toxicity Measurement Details
Ignition Source and Fire Load Details
Temperature and Pressure Compensation for Agents

5th Session
Construction Details
Sample Test Results Analysis

6th Session
Sample Leak Rate Calculation
Long Version of Aerosol Can Simulation

7th Session
Overall Review

8th Session
Overall Review

1 November 2019

30 June 2021

8/25/2020

1st Draft Version

6/30/2021

Final Version
Questions?

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