

Next**GEN**

International Aircraft Systems Fire Protection Forum



FAA

Halon Replacement Handbook

- **Need** –
 - Current MPS methods are scattered about in various FAA reports and some are in need of revision
- **Objective** –
 - to develop a handbook containing all 4 Minimum Performance Standard (MPS) procedures for demonstrating equivalence to Halon
 - Cargo
 - Engine Nacelle
 - Handhelds
 - Lavatories
- **Methodology** –
 - follow similar procedures to Aircraft Materials Fire Test Handbook, DOT/FAA/AR-00/42
 - Initial procedures agreed upon through IASFPF task groups
 - Final report with traceable report number published by FAA
 - Living document exists on FAA Fire Safety Website
 - Changes vetted through IASFPF before incorporating



Halon Replacement Handbook

- **Status**

- Cargo MPS
 - Task group is developing updated method and drafting document
- Engine Nacelle MPS
 - Revision #4
- Handheld MPS
- Lavatory

- **Next Steps**

- Identify need for revisions in Handheld and Lavatory MPS
 - If yes, stand up task groups to address revisions
 - If no, incorporate current documents in to Halon MPS Handbook

- **Actions**

- Review Aircraft Materials Fire Test Handbook format and process here:
 - <https://www.fire.tc.faa.gov/Handbook>
- Review MPS documents of interest
 - Cargo: <https://www.fire.tc.faa.gov/pdf/TC-TN12-11.pdf>
 - Nacelle: https://www.fire.tc.faa.gov/pdf/systems/MPSeRev04_MPSeRev04doc-02submtd.pdf
 - Lavatory: <https://www.fire.tc.faa.gov/Systems/LAVEX/MPS>
 - Handhelds: <https://www.fire.tc.faa.gov/pdf/01-37.pdf>
- Suggest areas for update or improvement
- Contact FAA Fire Safety to get involved in task groups
 - 9-ACT-FIRESAFETY-INFO@FAA.GOV



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