

Halon Replacement in the Civil Transport Aircraft Engine Nacelle (2013)

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The replacement of halon fire extinguishants was approached within the commercial transport airplane community in a coordinated manner through industry and government representation. Its activities continue today. Within this community, 4 distinct fire protection applications are found, namely cargo compartments, aircraft engine nacelles and auxiliary power unit compartments, hand-held fire extinguishers, and lavatory fire extinguisher bottles. This talk is a review of circumstances associated with the engine nacelle. Focuses will include (a) an overview of the current (4th) revision of the Minimum Performance Standards for Halon 1301 Replacement in the Fire Extinguishing Agents/Systems of Civil Aircraft Engine and Auxiliary Power Unit Compartments and (b) other associated background, such as some select history, descriptions of the FAA Technical Center nacelle fire simulator, and halon replacements worked with to date.