

# Occupational Health Risks from Use of CF3I as a Halon 1301 Replacement in APU Fire Extinguishing Systems

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Boeing is evaluating trifluoroiodomethane (CF3I) as a potential Halon 1301 replacement for use in auxiliary power unit (APU) fire extinguishing systems of commercial aircraft. This presentation will discuss human health risks to workers when working in and around an APU compartment that uses CF3I in APU fire extinguishing systems. We evaluate CF3I toxicity, potential adverse health effect levels, and discuss a study performed to quantify potential human exposure concentrations at several occupationally-relevant locations around the aircraft. These data together describe health risks in several “worst case” occupational scenarios. We discuss potential exposure reduction techniques to mitigate potential risks to human health.