

Engine/APU Halon 1301 Replacement Industry Consortium

Halon Alternatives for Aircraft Propulsion Systems (HAAPS)

HAAPS was formed by Airbus SAS, The Boeing Company, Bombardier Inc., Embraer S.A., Textron Inc. and the Ohio Aerospace Institute (OAI) as an international collaboration among aircraft manufacturers, fire extinguishing system suppliers, engine/auxiliary power unit/nacelle companies, and other key stakeholders to identify, qualify, and obtain airworthiness certification of a common environmentally acceptable non-halon fire extinguishing solution, or multiple solutions options, for use in engines and APUs. Its operating charter is to leverage the knowledge, resources, and pooled funds of the Members and stakeholders to expedite development and certification of those solution(s) for new aircraft design and for retrofit of existing engine and APU applications.

Work in-progress to support its final Phase III activities includes supplier engagement, technical validation, defining applicable regulatory requirements/certification plans, and continued engagement with airworthiness authorities. Final agent down selection(s) and completion of HAAPS activities are expected by the end of 2022, but likely extended into 2023 due to delays in critical testing and other supporting activities delays resulting from the global pandemic.

This presentation will provide a status and next steps for HAAPS' down selected go-forward Halon 1301 replacement solutions.