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EXECUTIVE SUMMARY

The Federal Aviation Administration (FAA) is involved in a program which will result in recommendations to replace all aircraft-based fire suppression chemicals belonging to the halon family. This presentation focuses on the portion of the program associated with the engine nacelle and auxiliary power unit (APU) compartments. The project is managed by participants from the Engine/APU subgroup within the International Aircraft Systems Fire Protection Working Group. Through this subgroup, the *Minimum Performance Standard for Engine and Auxiliary Power Unit Compartments* was written as one possible method to replace halon fire suppressants for these applications. A simulator representing a generic high-bypass ratio turbofan, located at the FAA W. J. Hughes Technical Center, will be used to evaluate potential replacement candidates using the methodology described in the aforementioned document. An overview of the project including its methods, goals, and status will be presented. Further, additional information regarding nacelle-based replacement efforts elsewhere will be included.