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Abstract

Alternate Fire Suppressant Research for Aircraft Engine Nacelles and Dry Bays

The Department of Defense's Next Generation Fire Suppression Technology Program (NGP) has completed its fourth year of research with a revised goal to develop and demonstrate, by 2005, technology for economically feasible, environmentally acceptable and user-safe processes, techniques, and fluids that meet the operational requirements currently satisfied by halon 1301 systems in aircraft. Research to complete a suite of suppressant screening tests is complete. Research on new flame suppression chemistry, new and improved aerosol suppressants, improved suppressant delivery, and viability of new suppressant technologies has produced substantive results. The NGP has also completed a scoping study on technologies for improved fuel tank inertion.