

*Halon Replacement Efforts for the US Navy MH-60 Engine FIREX Systems*

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The NAVAIR Fire Protection Team has been conducting a Halon Replacement Test Program for the US Navy MH-60R and MH-60S Seahawk helicopter programs that will develop an acceptable non-halon engine nacelle fire extinguishing system.

Phase I agent down-select has been completed, and HFC-125 was selected as the alternative agent to enter Phase II developmental testing. Phase II plans are to evaluate HFC-125 systems that:

- 1- would replace, in kind, the two-shot halon 1301 systems currently flying aboard all DOD H-60 aircraft with a two-shot HFC-125 system.
- 2- would replace the two-shot halon systems with a single-shot HFC-125 system.

This presentation will provide an overview of the three—phased MH60 Halon Replacement Program and discuss the fire test results from the above mentioned systems, as well as the results from concentration testing of several “optimized” distribution systems. Finally, the plans for the Phase III System Certification will be presented.