F/A-18E/F ENGINE BAY FIRE PROTECTION RISK REDUCTION TEST PROGRAM

Marco Tedeschi and William Leach Naval Air Warfare Center Aircraft Division Code 43520AB562-3, Highway 547 Lakehurst, NJ 08733-SO49 USA and Lawrence Ash Naval Air Warfare Center Aircraft Division

Code 43520, Building 2187 Patuxent River, MD 20670 USA

As a risk reduction measure, the F/A-18E/F aircraft fire protection program has conducted a series of engine bay fire tests using a high fidelity full-scale F/A-I 8E/F engine nacelle simulator. These tests are intended to verify the performance capabilities of several alternate agents against Halon 1301 as an extinguishing agent. The comparison is conducted against **a** baseline fire using Halon 1301 as the threshold performance indicator. Concentration tests are subsequently conducted for each of the alternate agents and Halon 1301. The results for the tests are reviewed and analyzed for performance comparison.









































