

Military Aircraft Safety and Survivability Lessons Learned: Civilian Aviation Applications

James F. O'Bryon

Deputy Director, OT&E
Director, Live Fire Test and Evaluation
Office of The Secretary of Defense
1700 Defense Pentagon, Rm 1C742
Washington DC 20302
Phone: (703) 614-3991
Email: James.OBryon@osd.mil

Fire continues to be the primary source of vulnerability in our weapon platforms. The Live Fire office oversees the test and evaluation of weapons systems and provides leadership within the Department of Defense to promote the development of vulnerability reduction technologies in weapon systems. Many lessons learned in the development of DOD's weapon systems have been used in the private sector, especially in the area of fire and explosion protection to provide protection to commercial aircraft. Many technologies have been transitioned from the military including halon, and halon alternatives as well as materials and processes that resist fire and fire effects. The Live Fire Test office also oversees the assessment of crew casualties due not just to live fire but also to the toxic gases emitted as a result of fires. Lessons from these evaluations will be shared.