

*Research Considerations in Design for Security Requirements*

Jeff Gardlin, FAA, Renton, WA

Fire safety has historically been treated as the mitigation or prevention of a random failure or occurrence. However, there are increasing concerns that security-related events can have similar consequences, and are much less random. The International Civil Aviation Organization (ICAO) has adopted standards that relate to designing airplanes with security considerations in mind. The FAA and other national authorities must adapt these ICAO standards into regulatory language for type certification. In order to develop suitable regulatory standards, ways of assessing fire safety issues in particular were needed that can be equated to security threats. The FAA conducted new research, and examined existing research data, to arrive at criteria to support rulemaking proposals. This paper will discuss this work and the factors that influence fire safety from a security standpoint.