

*Feasibility of Using Nitrogen Enriched Air for Fire Protection in Inaccessible Areas in Aircraft*

Steven Summer, David Blake, FAA, Atlantic City Intl. Airport, NJ

Onboard inert gas generating systems (OBIGGS) are likely to be on aircraft in the future to protect aircraft from fuel tank explosions. This project looks at the feasibility of using an existing OBIGGS system to provide protection to inaccessible areas of the aircraft in case of inflight fires. The presentation will discuss the flow rates and purities of nitrogen enriched air (NEA) that should be available on different sized aircraft. It will also present test results that show how effective the available NEA would be on controlling fires over the range of volumes of inaccessible areas on a variety of aircraft.