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Title: On Board Ground Inerting (OBGI) Systems for Transport Category Aircraft

Abstract:

A review of the considerations, methodology and development of possible future systems for Nitrogen inerting of transport aircraft fuel tanks, using on-board equipment. Includes the consideration of pressure sources, Air Separation Module (ASM) Technologies application, airflow cooling and Nitrogen Enriched Air (NEA) distribution systems. The available power sources, mounting location considerations, system weight and costs are other major issues which were addressed by the 2001 Aviation Rulemaking Advisory Committee (ARAC) for the Fuel Tank Inerting Harmonization Working Group (FTIHWG) OBGI Team. A summary of the Team findings and recommendations is presented.