

International Commercial Aviation Passenger and Baggage (Pax/Bag) Pilot Program

Modeling and Simulation Group

Computational Sciences & Engineering Division



Problem Statement:

- The Pax/Bag Pilot Program, sponsored by the U.S. Department of Homeland Security's Domestic Nuclear Detection Office (DNDO) and Customs and Border Protection (CBP), was initiated in response to Congressional direction in FY 2008 to enhance radiological and nuclear (rad/nuc) scanning capability of passengers and baggage in the commercial air port of entry (APOE) environments.

Technical Approach:

- Two operational demonstrations were conducted in separate airports using commercially available equipment selected through a formal utility assessment process. Concepts of Operation (CONOPS) were developed for the new equipment. An Operational Utility Assessment (OUA) will determine the utility of the new systems. In addition, a Business Case Analysis will be conducted.

Benefit:

- The Pax/Bag Pilot Program is formulating recommendations based on the results from the operational demonstrations to inform future deployment strategies for APOEs (including International Pre-Clearance Facilities) and provide input for research and development efforts to optimize rad/nuc scanning of passengers and baggage in the airport environment.



Point of Contact:

Terri A. Rose
(865) 241-8701
roseta@ornl.gov

