

Aviation Security Cargo Inspection Queuing Model For Material Flow & Accountability

Modeling & Simulation Group



Problem Statement:

Beginning in 2010, the U.S. will require that all cargo carried in passenger aircraft be inspected. This requirement will have a significant impact on the inspection protocols & business practices of government agencies & the airlines.

Technical Approach:

MSG has developed an Aviation Security Cargo Inspection Queuing Model for Material Flow & Accountability that will allow cargo managers to conduct impact studies of current & proposed business practices as they relate to inspection procedures, material flow, & accountability.

Benefit:

The increased physical understanding resulting from execution of the Queuing Model will reduce the overall cost & shipping delays associated with the new inspection requirements.