Using High Definition Animation in Modeling &
Simulating Emerging Checkpoint Security Systems
That May Require TSA Funding Support for Facility
Modifications

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A Case for HD Animation/Simulation in Support of Emerging Checkpoint Security Solutions

Animation Meets Simulation

- 20 years of EDS deployment and integration experience highlights importance of airport infrastructure, concepts of operation, local design considerations and facility modifications
 - Includes system layout, bag tracking, sortation and IT bandwidth
- EDS efficiency largely a function of the baggage handling system (BHS) delivery and take-away system design and functionality
- Airports requesting TSA funding to support facility modifications, required to model & simulate (M&S) proposed solution with emphasis on flight schedules and accurate passenger/carry-on baggage demand, illustrating dynamic interdependencies and facilitating cost/benefit, security effectiveness and alternatives analyses
- M&S should take advantage of developments in sophisticated computer animation tools to simulate proposed dynamic checkpoint operations.
 - Animation should be enhanced/extended to show dynamic complexities of divestiture, scanning, secondary screening and staffing considerations