



Transportation Security Administration

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Changing Environment

Event	Vulnerability / Reaction
Traditional 1970's: Hostage/Hijacking	Guns, weapons Magnetometers
December 1988: Pan Am 103, Lockerbie	Bomb in baggage Baggage scans
September 11, 2001: WTC, PA and Pentagon	Box cutters, etc. ATSA
December 2001: Richard Reid	Shoe bomb Shoes removed
August 2004: Chechen suicide attacks	Vests Pat downs, Backscatter
August 2006: Heathrow liquids plot	Novel liquid bomb 3-1-1
June 2007: Glasgow airport lobby	IED to soft target



1. Virtually limitless range of potential weapons – looking for weapons is effectively reactive.
2. Deployed technology at checkpoint are point solutions.
3. Concentrating passenger security at the checkpoint is highly static and therefore vulnerable to adaptive terrorist.

Innovative Concepts

Element:

- Diamond / Self-Select

What It Is:

- Enable passengers to self-select into queue based on level of expertise

Where We Are:

- Implemented at over 52 airports
- Expanded rollout underway

- Mobile Boarding Pass

- Reduce lobby congestion
- Enable passengers to receive boarding passes on mobile devices

- Tested effectively at numerous airports
- Working with industry on multi-carrier standard approach

Technology

Element	What It Is:	Where We Are:
<ul style="list-style-type: none">• AT X-Ray	<ul style="list-style-type: none">• Multi-view, sharper resolution• Improved explosive detection capability	<ul style="list-style-type: none">• Tested effectively at multiple sites• 888+ units rolled out so far
<ul style="list-style-type: none">• Advanced Imaging Technology	<ul style="list-style-type: none">• Scans body for items – both metallic and non-metallic• Privacy algorithms applied to images	<ul style="list-style-type: none">• During the use of these technologies in a primary screening capacity, 98% of passengers opted to undergo screening with an imaging technology instead of a traditional pat-down
<ul style="list-style-type: none">• Handheld explosives detectors	<ul style="list-style-type: none">• FIDO• Sabre	<ul style="list-style-type: none">• Initial 100 units tested effectively in field
<ul style="list-style-type: none">• K-9	<ul style="list-style-type: none">• “In house” TSA dog program to expand availability	<ul style="list-style-type: none">• First new teams deployed in Spring '08• New con-ops currently being tested



Questions???