



A Checkpoint Screening Process to Counter Suicide Bombers

Passenger Risk Assessment

Software analyses watch-list, Computer Assisted Passenger Prescreening (CAPPS), behavior detection & adds a random component to generate a risk score encoded on each boarding card. Background-checked travelers, aircrew, etc. qualify as low risk.

Passengers are sent to the correct checkpoint lane. Overload can be reduced by temporarily adjusting the selection rate: stopping random selection is preferable to temporarily lowering screening standards.



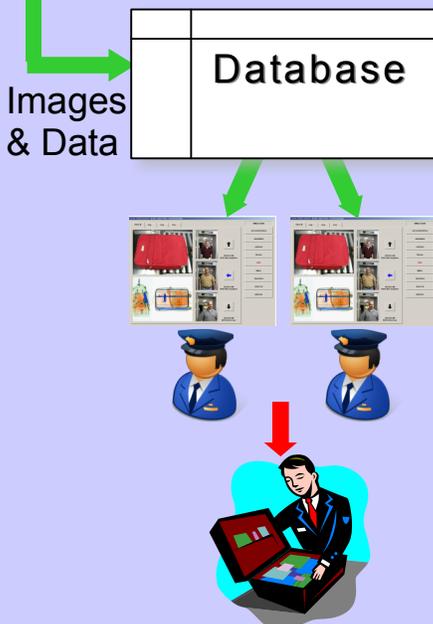
Checkpoint + Data Collection

Bags	Passenger	Bags	Passenger	Bags	Passenger
Divest	Boarding Card Divest Passive mmW	Divest	Divest		
QR+CT	WTMD Trace Portal Shoe Scan Active mmW Backscatter X	AT	WTMD Passive mmW Shoe	X-ray	WTMD
ETD QR Wand Liquid Scan Fast Neutron	ETD QR Wand QR Portal Castscope Transmission X Search	ETD Liquid Scan	Active mmW Backscatter X CastScope Search	ETD	Search

Grey = under development
 WTMD: Walk-through Metal Detector
 mmW: Milimeter Wave
 ETD: Explosive Trace Detection
 QR: Quadrupole Resonance (AM band radio)

A high security lane (HSL) includes systems that compensate for each other's weaknesses, & experienced TSOs. Software can assess any common selectee patterns on the same flight, who could then receive more stringent HSL screening. Normal lanes use fewer systems and the low risk lane needs only baseline devices.

Flight-Based Screening



All HSL data & operator decisions are collected & stored along with passenger information and flight number. Evidence of HSL screening is stored in PNR.

Software and highly trained TSOs reexamine data across all high-risk travelers on the same flight to identify a possible team attack. This occurs after passengers have passed through security but before boarding.

If suspicions remain, all data and decisions are sent wirelessly to a roving security team with PDAs or tablet computers. The roving security team would locate the passenger and conduct further interviews and searches either at the gate, at a dedicated search room in the terminal or back at the HSL. Any residual issues would be handled by law enforcement.