



Deterrence Impact on Risk Evaluation

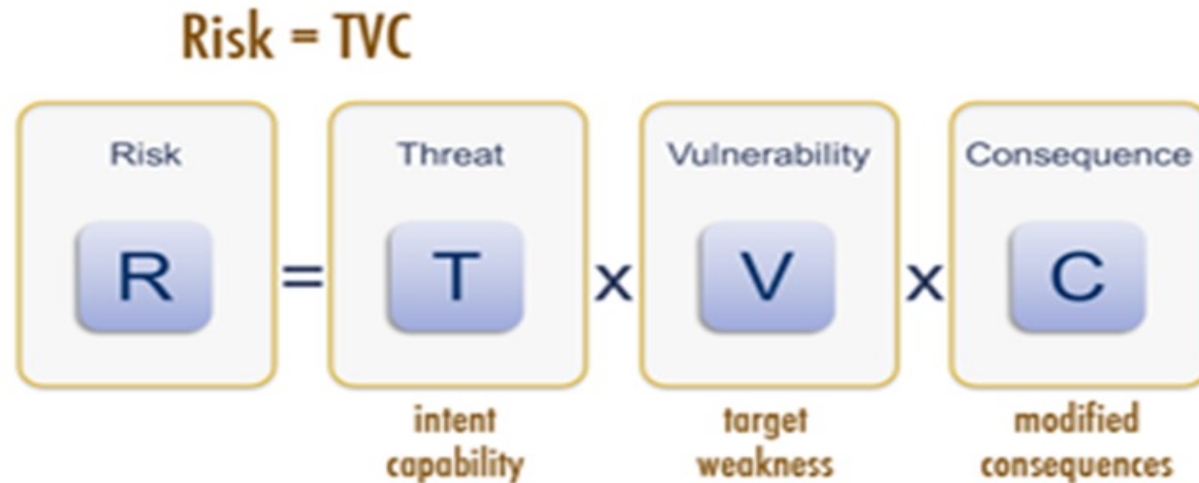
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*Nathan Adderson
Intelligence Officer
TSA*

nathan.adderson@tsa.dhs.gov

Phone: 571-335-6617

Deterrence



Mission: Use Deterrence to *convince Threat Actors to choose a non-aviation target because their expectation of success is unacceptably low*

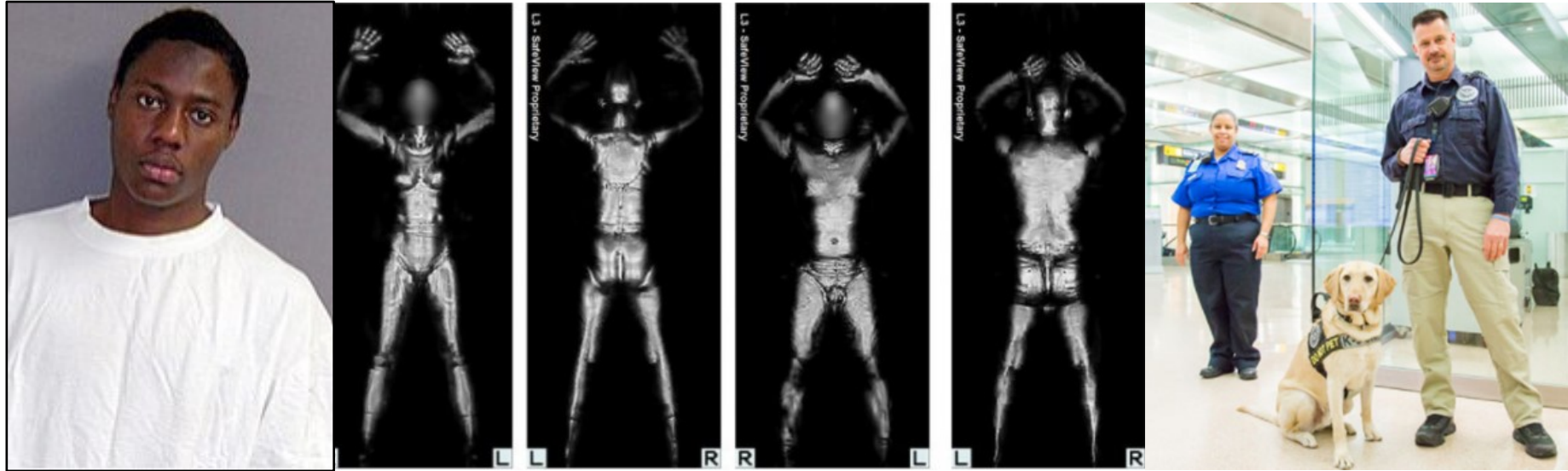
- *Change Threat Actor intentions to use aviation to cause mass-casualty event*
- *Demonstrate to Threat Actor their capabilities are inadequate*

Challenges: Accurate modeling and complex/broad threat picture

- *What can be deterred and what cannot*
- *Deterring without providing Threat Actor with sensitive information*



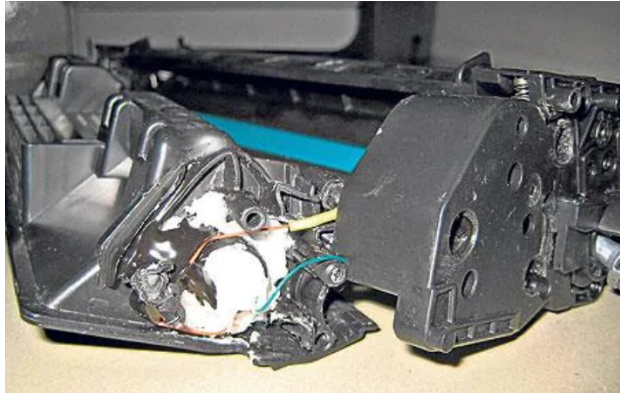
Deterrence Methods



Methods:

- *Visible operations designed to deter a Threat Actor*
 - *Increased and/or targeted law enforcement patrols*
- *Subtle operations designed to deter a Threat Actor*
 - *Vetting Programs, Workplace Mental Health Initiatives*

Deterrence Outcomes



Deterrence has altered Threat Actor focus on attack methodologies

Deterrence needs to be detectable and pervasive to people traveling along pathways at the airport to succeed

Bolster workplace mental health initiatives, “see something, say something”, and programs that develop empathy for travelers

- *Possibly diminish motivation*
- *Scrutiny from co-workers may deter Threat Actor*

Constant evaluations of threats and threat exercises to evaluate the role of deterrence

Image Sources

- Umar Farouk Abdulmutallab
 - https://en.wikipedia.org/wiki/Umar_Farouk_Abdulmutallab
- X ray Image
 - <https://www.wired.com/2009/12/underwear-bomber-renews-calls-for-naked-scanners/>
- Printer Cartridge Bomb
 - <https://www.telegraph.co.uk/news/uknews/terrorism-in-the-uk/8124226/Cargo-plane-bomb-plot-ink-cartridge-bomb-timed-to-blow-up-over-US.html>
- Worker Pic
 - <https://www.wdbj7.com/content/news/Charge-against-airline-mechanic-highlights-insider-threat-560987981.html>
- Drone
 - <https://www.thesun.co.uk/news/8029660/planes-drones-dangerous-why-airports-shut-down/>