



The Future of Cargo Detection

Nov. 4, 2014



Transportation
Security
Administration

Outline

- Improvised threats
- Mission Analysis Division
- Capability Investment
- BAA Process Update
- Emerging Technologies



Improvised Threats

We face an intelligent and adaptive adversary

- Improvised explosives/HMEs
 - Liquids, powders
 - Broader signature space (broader properties)
- Changing nature of concealments
 - Non/low-metallic IEDs



Mission Analysis Division



- The forward reaching arm of OSC...
- Bridging developmental concepts to deployable capability
- Coordinating technical maturity with acquisition cycles
- Aligning technologies with operational needs
- Aligning emerging threats with emerging capabilities

Capability Investment

Mitigation Approach:

- **Core Capabilities** - incremental improvements to existing capabilities.
- **Adjacent Capabilities** - innovation that draws upon existing capabilities.
- **Transformational Capabilities** - capabilities that will see innovation.

BAA Process Update

New BAA Process:

- Includes both "Open & Targeted" BAAs
- 5 pg Concept Papers
- Oral Presentation
- 6 mth Cycle time (up to award)

Emerging Technologies

Next Generation Technologies:

- Reduce system costs to make high quality imaging systems more affordable
- Develop capability to more effectively screen complex objects (e.g. heterogenous pallets)
- Other possible area:
 - *ATR, CGUI, System Integration*

