

# S&T Stakeholders Conference

May 21-24, 2007

Explosives Division Overview

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*From Science and Technology... Security and Trust*



# Homeland Security



# Explosives Division

## Mission Statement

Develop technical capabilities to detect, interdict, mitigate, and respond to the effects of non-nuclear explosives terrorism and accidents.

## Key Deliverables

- IED Defeat Systems (Vehicle-borne, Leave Behind, Suicide Bomber)
- Primary & secondary passenger screening systems
- Checked bagged screening systems
- Cargo screening systems
- Production-ready commercialized airborne Counter-MANPADS system

## Customers

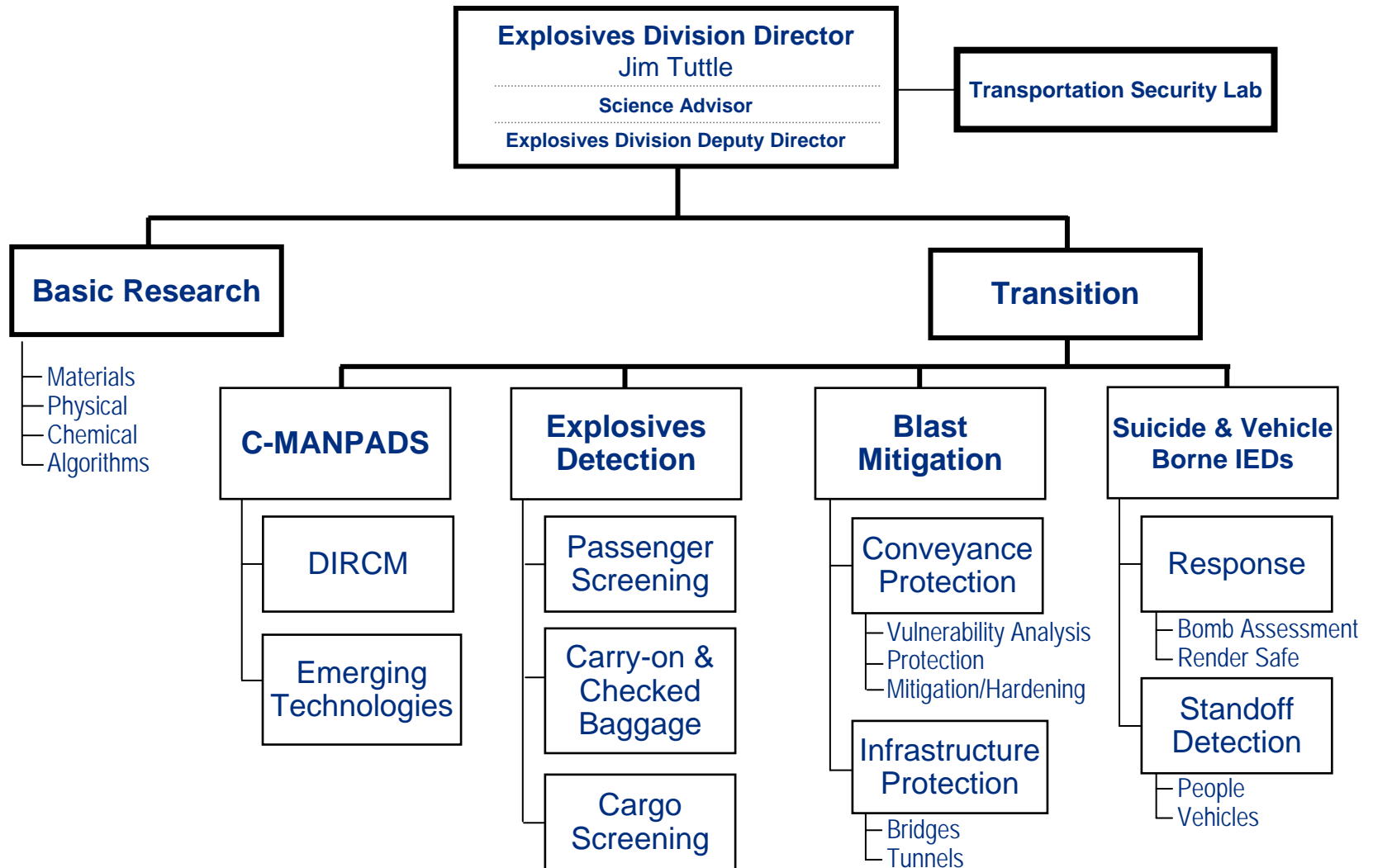
- Transportation Security Administration
- Secret Service
- Customs and Border Protection
- U.S. Coast Guard
- Civil Aviation, Mass Transit, and Critical Infrastructure Stakeholders



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Security**

Reduce false alarms, increase detection probability & throughput, and lower lifecycle costs.

# Explosives Division Functions



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Organized to transition products that meet customer needs

# Explosives Prevention: Representative Technology Needs

- Standoff detection on persons (portable solutions)
- System solution for detection in baggage (checked & carried)
- Capability to detect VBIED / large threat mass (container, trailer, ship, vessel, car, rail)
- Capability to detect homemade or novel explosives
- Capability to assess, render safe, and neutralize explosive threats
- Optimize canine explosive detection capability

# Explosives Breakouts

- Tuesday
  - Basic Research (2pm)
  - Prevention Transition Programs Introduction/Vulnerability and Blast Mitigation (3pm)
  - Detection/Home Made Explosives (4pm)
- Wednesday
  - Suicide and Vehicle Bourne IEDs (2pm)
  - Response and Render Safe (3pm)
  - Counter-MANPADS and ECMT (4pm)
- Thursday
  - SENSIT (12:30pm)
  - Project CHLOE (1:30pm)
  - Explosives Prevention IPT (2:30pm)
  - IED Defeat/Vehicle Bourne IED Defeat (3:30pm)





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