



Office for Bombing Prevention

OBP Mission and Counter-IED Science and Technology

prepared for:

2008 Homeland Security Science & Technology Stakeholders Conference

4 June 2008



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Office for Bombing Prevention (OBP) Overview

OBP is dedicated to enhancing and coordinating the nation's ability to detect, deter, prevent, and respond to attacks that use improvised explosive devices (IEDs) against critical infrastructure, key resources, and soft targets

To achieve this goal, OBP is actively engaged in three primary areas:

- 1) Coordinating national and intergovernmental bombing prevention efforts;
- 2) Conducting requirements, capabilities, and gap analyses; and
- 3) Promoting information sharing and bombing prevention awareness.

OBP serves as the Department of Homeland Security's lead agent for ensuring that diverse bombing prevention programs nationwide function together efficiently to meet evolving bombing threats



DHS Counter-IED Science and Technology Program

OBP has a leadership role within the DHS counter-IED S&T program to leverage existing multi-agency research and investments to deter, predict, detect, defeat, and mitigate the impact of IED attacks

Terrorist IED Attack Timeline

INTENT INITIAL PLANNING OBTAIN OPERATIONAL RESOURCES CONDUCT OPERATIONS ATTACK IMMEDIATE EFFECTS LONG-TERM EFFECTS

Deter

- Counter radicalization
- Red Team Efforts
- National Awareness Campaigns
- Protective Security

Predict

- Comprehensive IED knowledge management process.
- Pattern recognition
- Predictive analysis
- Integrate information with intelligence

Detect

- Detection and screening architecture for HME
- Explosive detection canine standards

Defeat

- Render safe technologies
- VBIED
- WBIED
- Suicide Bomber
- CREW

Mitigate

- Catalogue of blast analysis data
- Characterize common explosive threats.

Cross Cutting Efforts

- National Policy and Plans
- Inventories of Activities and Capabilities
- Lessons Learned
- Training
- IED COI
- GIS Tools and Data Layers
- Technology and Capability Roadmaps
- Multi-Jurisdiction Planning
- Outreach



OBP Role in DHS Counter-IED S&T Program

OBP serves as co-chair of the Counter-IED Integrated Product Team (IPT) to identify and prioritize technology requirements for basic and applied research investments

OBP will contribute to this effort by:

- Leveraging research and relationships from the National Strategy and HSPD-19 development process;
- Gathering technology requirements from the bombing prevention stakeholder community to guide future investments;
- Using NCAD to identify and prioritize capability gaps and track progress as new technologies are developed and deployed;
- Hosting an S&T collaboration portal on *TRIPwire*;
- Coordinating stakeholder meetings to facilitate dialogue about technology requirements and current efforts and receive feedback from both developers and end users; and
- Working with interagency and intergovernmental partners to determine a process for identifying counter-IED technology requirements that span the IED “kill chain.”



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