S&T Stakeholders Conference

Borders Thrust Area

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PARTNERING FOR A SAFER NATION
Representative Technology Needs

Border Security
- Detection, tracking, and classifying terrestrial and maritime border threats in all environments (i.e. tunnel detection, rugged terrain, concealing foliage, water obstacles, mountains)
- Improved personal protective equipment; ballistic protection focused on lighter weight, wider variety of projectiles and integrated helmet protection

Maritime Security
- Wide-Area Surveillance: Detection, ID & tracking of vessels from inland waters to the port region; from the coast to beyond the horizon
- Data fusion and automated tools for command center operations; ability to view entire scenes and provide threat alerts, automate tasking and relocation of blue forces with recommended courses of action. Provide for info-sharing and geo-dispersed collaboration

Cargo Security
- Improve automated imagery detection capability for anomalous content (e.g., stowaways, hidden compartments, contraband), and the ability to detect anomalous patterns in shipping data
- Detect and identify chemical and biological threats, explosives, and contraband
Area of Focus

1. Describe how the DHS S&T Capstone IPT process addresses your operational requirements

2. Provide examples of how DHS S&T is focused on transitioning essential capability to your DHS Component

3. Describe a recent operational challenge that requires a material (S&T) solution

4. Briefly describe how your component identifies gaps in your operational capabilities