

Detection Sector Input to CBDAIF

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Agenda

- The Detection Sector
- Weapon System Reform Act
- Biosurveillance and Environmental Detection
- NTAs Detection
- DOD / DHS Collaboration – C/B Detection
- Explosives Detection
- ECBC Mission Support Contract

Detection Sector Landscape

- Thirty-five individuals
- Twenty-eight organizations
 - ↗ Academia
 - Johns Hopkins, Georgia Tech
 - ↗ Many small and medium sized technology organizations
 - ↗ Engineering Services
 - Camber, Battelle, CACI
 - ↗ Large system contractors
 - Lockheed, ITT, GE, Northrop, Smith's, GD

Weapon Systems Reform Act

- Weapon System Reform Act includes many positive elements
 - Early Cost Estimates
 - Focus on Reducing Life Cycle Cost
 - Systems Engineering Emphasis
 - Ensuring Competition
 - Gov't funding for Pre Milestone B development work
- Most significant negative impact to industry is JPEO program slips
 - Contractors continuing to invest in prototypes but program slips deteriorate business case
 - Reduced business cases make it harder to obtain internal investment
 - Appears Gov't experiencing difficulty with obligating FY10 money – funds sweep?
 - Program slips beginning to impact viability of the industrial base
- Difficult for industry to get a good feel for gaps in user capabilities early enough to bring relevant TRL 5/6 level technologies to competitive prototyping

Biosurveillance and Environmental Detection

- We understand that COL Williams is the Trail Boss
- How is the Biosurveillance program progressing for the JPEO-CBD?
- What is the role of bio-detection sensors in countering biological threats in the Biosurveillance program
- It appears the objective is to expand environmental detection/identification
- How does the Detection Sector engage with COL Williams?
- What are the critical gaps in Biosurveillance, in particular, bio-detection, related to new biological threat agents, emerging infectious diseases, and engineered threats?

Non Traditional Agents (NTAs) Detection

- We understand that COL McCormick is the Trail Boss for NTAs
- It is clear there is significant FY10-FY11 RDT&E budget for detection technologies in this area
- How does the Detection Sector interface with COL McCormick regarding NTAs?
- Will there be a program of record? Has an investment strategy been identified to match requirements to NTA capabilities?
- What role do enhanced detectors play in overall CBDP NTA vision? What are the identified near-, mid-, and far-term capabilities for NTA Detection? Have detectors been down-selected?

DoD and DHS Collaboration – C/B Detection

- Unclear to industry how DHS and DoD are working together in the CBD area to maximize complementary RDT&E and minimize duplicative efforts
 - 2008 DoD/DHS MoA to collaboratively research and develop CBD equipment
 - Appears that there is no real co-development between DHS and DoD
 - DoD watches DHS development to see if any interesting products emerge, and vice-versa
- Common requirements or consolidated buys would be a significant benefit to Detection Sector

Explosives Detection

- Many current chemical detection technologies can be applied to detection of explosives
- Many new detection technologies are being developed for point and standoff detection of explosives
- Does/will the JPEO have responsibility for explosives detection systems acquisition?

ECBC Mission Support Contract

- Contract awards were communicated
- When will Detection community start to see task orders released against this vehicle?
- What type of task orders are currently planned for this contract vehicle?

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