



Major Defense Acquisition Programs (MDAP)

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Advanced Planning
Briefing to Industry

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Outline

- **Overview**
- **Warfighter Needs**
- **Technical Challenges**
- **Acquisition Strategy**
- **Upcoming Business Opportunities**
- **Contacts**



Program Overview

- **Major Defense Acquisition Programs (MDAPS) include CBRN survivability and force protection requirements**
 - Future Combat Systems (Army)
 - Future Surface Combatant (Littoral Combat Ship)
 - Expeditionary Fighting Vehicle (Marines)
 - F-22/Joint Strike Fighter
 - Future Tactical Truck Systems
- **JPEO CBD coordinating and integrating material solution approaches applicable to MDAPs**
 - Considering missions, platforms and constraints
 - Assessing status of current material approaches
 - Identify objective capabilities and assessing technologies



Warfighter Needs

- **Organic, low-profile CB equipment**
- **Integrated, networked solutions**
- **Modular concepts; tailorable to mission, threat, and environment**



Program Technical Challenges

- **Defining optimal system of systems solutions**
 - Data requirements and fusion strategies
 - System architectures
- **Test and Evaluation of systems solutions**
- **Equipment size, weight, and power**
- **Evolving operational threat envelope.**



Acquisition Strategy

- **Looking for Industry Solutions**
- **Looking for transformational capabilities and technology approaches for:**
 - **Broad spectrum agent/TIC identification**
 - **Low volatility identification**
 - **Alternative protection and agent defeat**
 - **Reactive coatings and barrier materials**
 - **Simulation-based acquisition approaches**
 - **Systems engineering models**
- **CBDP is a complementary program to MDAPs addressing survivability concepts and material solutions**
- **Spiral Acquisition will be the Mainstay of the Effort**



Upcoming Business Opportunities

- **Modeling and simulation tools for complex system of systems**
 - 3rd quarter FY06
- **In the near term, relying on current programs of record**
 - E.g., EBD ATD



Program Points of Contact

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