Overview

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Introduction

What is Collective Protection (ColPro)?

• Protection to Mission Essential Resources Afforded to Enclosed Areas/ Zones Allowing a Force Structure to Operate Safely, at Near-normal Levels While in a Chemical, Biological, Radiological and Nuclear Environment.

• Essential Resources Include Existing and Future
  – Mobile Assets (Vehicles, Ships, Aircraft)
  – Transportable Assets (Tents)
  – Fixed Facilities (Buildings)
ColPro Functions for the Warfighter

• Control of an Area/ Zone Environment To:
  – Prevent Infiltration of CBRN Hazards
  – Supply Clean, Breathable Air
  – Allow Ingress/egress Without Compromising the Protected Area/ Zone

• Typical Applications
  – Mission Critical Spaces
  – Command/ Control Areas
  – Medical Areas
  – Rest/ Relief Areas
Industrial Focus/Technical Challenges

- Multiple Sources/ Vendors for CP Equipment
- Protection Against Toxic Industrial Chemical (TICs)
- Reduce Size and Weight of Systems/ Components
- Reduce Logistical Footprint
- Modular Components for Flexible Integration
Current Programs

- Amphibious Ship ColPro Backfit
- Chem/ Bio Protective Shelter
- Joint Collective Protection Equipment
- Joint Expeditionary Collective Protection
  - Milestone A - 1QFY05
Business Opportunities

- **COLPRO Technology Readiness Evaluations (TRE) Mid FY05**
  - Standardized tests, evaluations, and TR level assessments
- **Technology Areas of Interest**
  - Air purification
    - Increased Protection Against TICs And Novel Agents
    - Reduced Power, Footprint, and Logistics
    - Increased Service Life
    - Reduced Costs
  - Residual Filter Life Indicator
- **CB Shelter**
  - Alternate Liner Material
  - Soft Shelter Material With Inherent CB Protection
Business Opportunities (Con’t)

• Chem/Bio Protective Shelter
  – Procurement against performance based specification
    ~600 systems
  • Draft Request For Proposal 1QFY05
  • Final Request For Proposal 2QFY05
  • Award Contract 1QFY06
Joint Expeditionary Collective Protection

- CDD Under Development 2/3QFY05
- Capabilities
  - Soft Shelters initiation 2QFY06
    - Soft shelter kits with reduced install/strike time
    - Soft shelter with inherent CB protection
  - Structure/fixed site 2QFY06
    - Modular filter kits with simplified integration
    - Regenerative Filtration
  - Mobile platforms 2QFY08
PM Guardian Support

• Equipment Procurement
  – CP Filters
  – CP Filter Housing Units
  – Environmental Control Units

• Engineering/installation Required
  – Facility – A&E Design
  – Construction
  – HVAC Testing and Balancing
Summary of Business Opportunities

- Multiple Sources for CP Components
- New Multi-Year Production Contract for CBPS Production
- Novel Technologies to Support JECP
  - Abatement for CB Agents and TICs
  - CB Inherent Soft Shelter Material
  - Modular CP Components for Simplified Integration
JPM ColPro Points of Contacts

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