



2003 DoD Advance Planning Briefing for Industry

DECONTAMINATION

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Outline

- **Decontamination Commodity Area Overview**
- **Program List**
- **Program Overview**
- **Employment, Requirements, Acquisition Objectives**
- **Schedule**
- **Industry Opportunities**
- **Summary / Questions**

Decontamination Overview

- **Strategic Vision** - To provide US forces the capability to sustain operations in a contaminated environment with the least necessary burden and minimum degradation to mission accomplishment.
- **Mid Term**
 - Provide a family of modern decontaminants and applicators for Immediate, Operational, and Thorough Decontamination
- **Far Term**
 - Eliminate the need for logistical support and materials manpower, water, power, fuel, transportation, etc. for decontamination operations
 - Provide self-decontaminating or reactive materials

Decontamination Program List

- **M100 Sorbent Decontamination System (SDS)**
 - Reactive sorbent powder/ wash mitt-type sorbent applicators
 - IOC/FOC achieved Apr 02
- **M22 Modular Decontamination System (MDS)**
 - High Pressure Washer, accessory cases
 - APB Not yet approved
- **Joint Service Family of Decontamination Systems (JSFDS)**
 - Provides a number of decontamination products to upgrade all aspects of decon capabilities
- **Joint Service Sensitive Equipment Decon (JSSED)**
 - Decontaminate chemical and biological warfare agents from sensitive equipment, vehicle and aircraft interiors, and associated cargo

JSSSED Overview

- **Joint Service Sensitive Equipment Decontamination program has 3 block approach to address requirements**
 - **Closed loop system for “small” sensitive items**
 - **Open loop system for vehicle, aircraft, and ship interiors (stationary)**
 - **Open loop system for vehicle, aircraft, and ship interiors (on the move)**

JSSSED Overview cont'

- **XM25 Decontamination Apparatus, Sensitive Equipment (DASE) for small sensitive equipment is currently in development**
 - **Phase I testing of prototype hardware is complete.**
 - **System Production of the XM25 DASE is expected to begin in FY07**
- **“Interior Decon” Milestone B is scheduled for Sep 03**
 - **Program will begin with a Market Survey to investigate commercially available solvents and disinfectants.**
 - **RFP for full and open competition is scheduled for release 1QFY04**
 - **System production is expected to begin in FY08**

JSSSED Employment

- **Planned for all services at multiple levels**
- **Employment concepts still in development**

JSSSED Priority

- JSSSED is #14 of 72 on the FY02 Joint CB Priority List

JSSSED Requirements

- **Joint Operational Requirements Document (Draft)**
 - **2 Key Performance Parameters (KPP)**
 - **Decontamination of all sensitive equipment and aircraft/vehicle interiors “on-the-move” without affecting service life or operation**
 - **JSSSED System operations compatible with all other aircraft/vehicle/ship servicing tasks, including refueling, rearming, and other decontamination operations**

JSSSED Quantities/Funding

- Quantities
 - XM25 DASE – 600
 - “Interior Decon” Systems – TBD
- \$75M programmed for FY04-FY09

JSSSED Schedule

- **Block I**
 - Milestone B 1QFY04
 - Critical Design Review 1QFY05
 - IOT&E 1QFY06
 - Milestone C 3QFY06
 - Production 1QFY07
 - FUE 3QFY07
- **Block II RFP** FY04 *
- **Block II Production** FY08
- **Block III RFP** FY06 *
- **Block III Production** FY09

* Industry Opportunities

JSSSED Technology Barriers

- **Material Compatibility**
 - Desire to neutralize agent jeopardizes sensitive material integrity
 - Decontaminant compatibility across large range of materials, vehicles, and missions
- **Removal of effects of agent to a safe level as per workplace exposure levels (T), general population exposure levels (O)**

Summary/Questions?

