



# **Product Director, Test Equipment, Strategy and Support Small Scale Decontamination Test Capabilities**

**24 October 2007**

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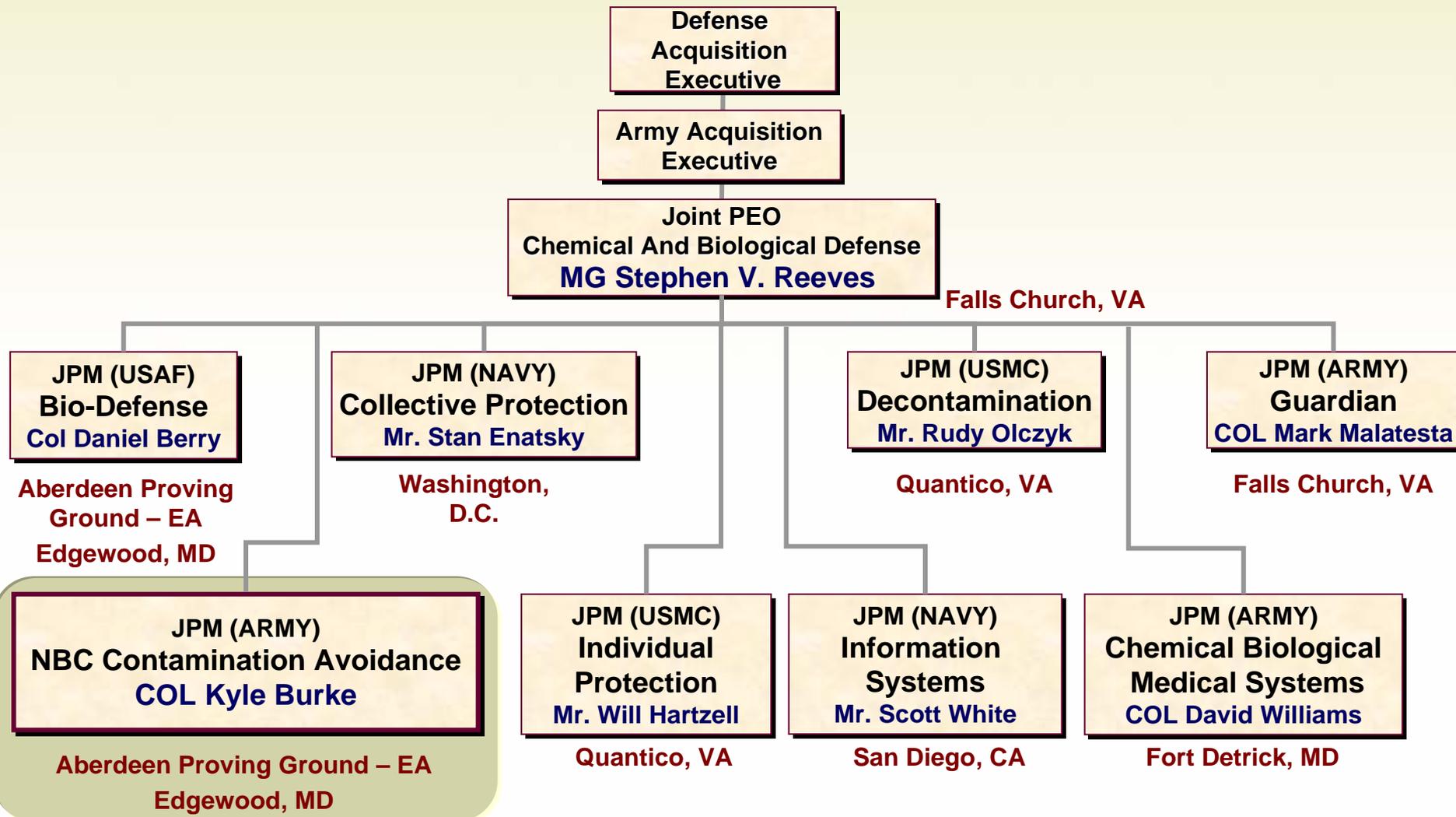
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# Agenda



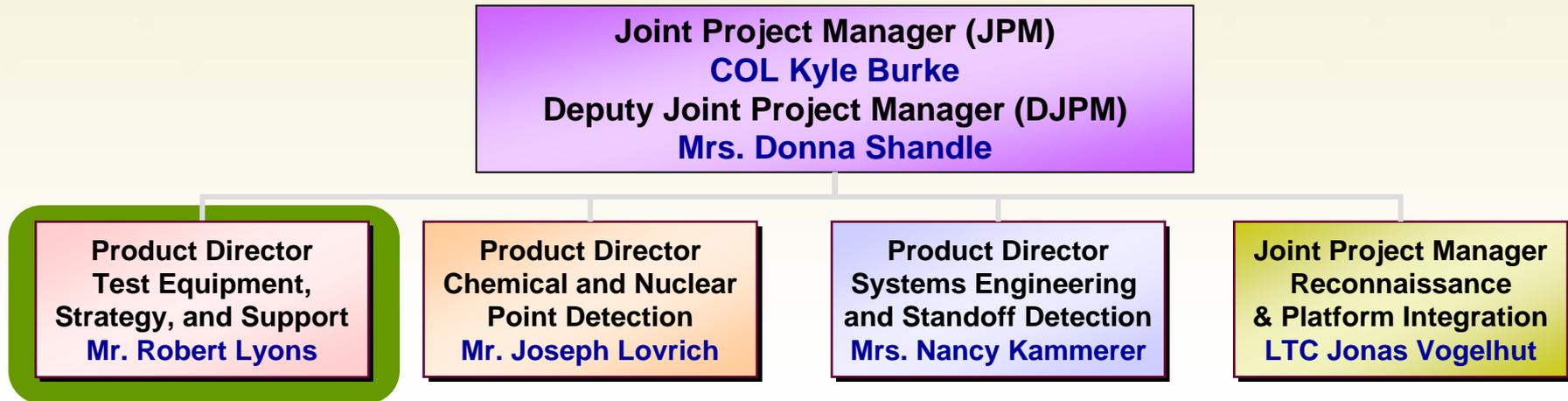
- ◆ **Organization**
- ◆ **Overview**
- ◆ **Small Item Decon Approach**
- ◆ **Schedule**
- ◆ **Summary**

# Joint Program Executive Office Chemical and Biological Defense





# Purpose / Mission



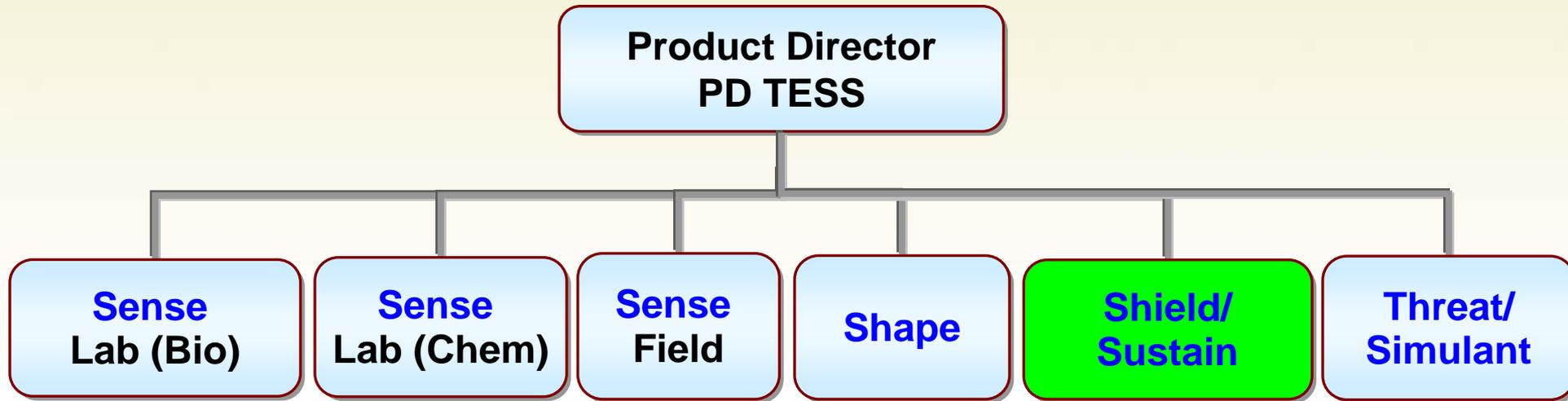
## Program Mission

The Joint Project Management Team for Nuclear, Biological, and Chemical Contamination Avoidance is responsible for the development, production, integration, testing, and fielding of NBC detection, obscuration, and reconnaissance systems.

We ensure that our system developments, integration efforts and services focus on the Joint Warfighters' needs within cost, schedule, performance and risk.



# PD TESS Structure



## PD TESS Mission

Support the Milestone Decision Authority, Joint Project Managers, and the Test and Evaluation Community with the development of *test capabilities to adequately test and evaluate, Chemical, Biological, and Radiological Defense Systems* throughout the life cycle acquisition process.



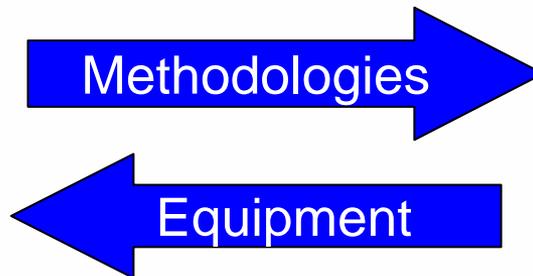
# T&E Agreement

**Chemical and Biological Defense (CBDP) Test and Evaluation (T&E) Investment Strategy (Non-Medical T&E Methodologies, Capabilities and Infrastructure**

**October 2005**



**Joint Science and Technology Office (JSTO)**



**Product Director, Test Equipment, Strategy and Support (PD TESS)**



# Overview

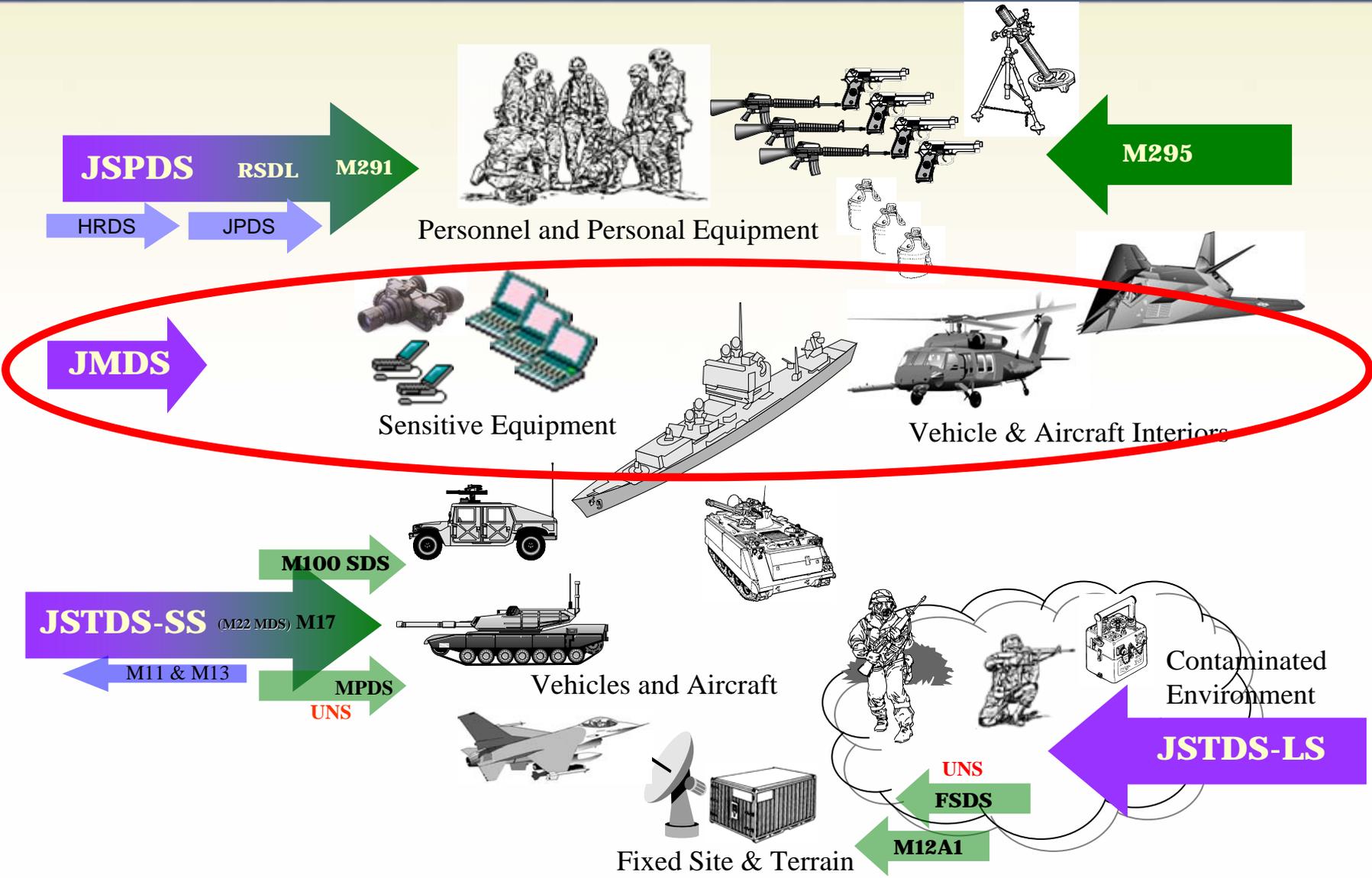
- **Need identified during FY05 Roadmap Exercise for T&E capability to support Joint Material Decontamination System (JMDS) and Future Programs**

**Test fixture for decontamination efficacy testing on small military items**

**Decon Facility Upgrades**



# UNCLASSIFIED Small Item Decon Test and Evaluation Support





# Small Item Decon Approach

- **Joint Efforts between JPM NBC CA/PD TESS and JSTO**
  - **PD TESS**
    - **Infrastructure for low level detection**
    - **Engineers test fixture for performing item contamination and decontamination**
  - **JSTO**
    - **Developed low level detection methodology**
    - **Develops methodology for assessing contact and vapor hazard for small items**
  - **PD TESS**
    - **Integrates/Installs small item test fixture and final onsite validation**



# Small Item Equipment

- **Small military items and small critical subcomponents of larger systems**
  - **Examples**
    - **Night Vision Goggles**
    - **Range Finders**
    - **Sights**
    - **Radios**
    - **Cockpit Subcomponents**





# Decontaminants and Decon Apparatus

- Environmental control of temperature and humidity over range
- Allow testing with wide range of Decontaminants and Systems
  - Vapors, Solids, liquids, Gels...
  - Wipes, Sprays...



# Status



- **Start of Work Meeting held on 11 Oct 07**
- **IPT Established**
  - **JPM NBC CA**
  - **JPM Decon**
  - **Dugway Proving Ground**
  - **Edgewood Chemical Biological Center**
  - **Joint Science and Technology Office**
  - **Battelle (contract winner)**

# Schedule



## Small Item Decon Schedule

### 2008

Jan Feb Mar Apr May Jun Jul Aug Sep

FY08

Q2

Q3

Q4

**Conceptual Design**



**Detailed Design**

02/08



**Fixture Validation**

05/08



**Delivery**

08/08



**System Training**

09/08



**Onsite Validation**

09/08





# Summary

- ◆ **JPM NBC CA focused on providing Decon needs for multi-users**
- ◆ **Effort includes decon community**
- ◆ **New decon capability targeted for availability 1Q09**