

Product Director Test Equipment, Strategy and Support

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PD-TESS Mission

MISSION

The Product Director Test Equipment, Strategy, and Support Will 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, Radiological, and Nuclear Defense Systems Throughout the Life Cycle Acquisition Process.



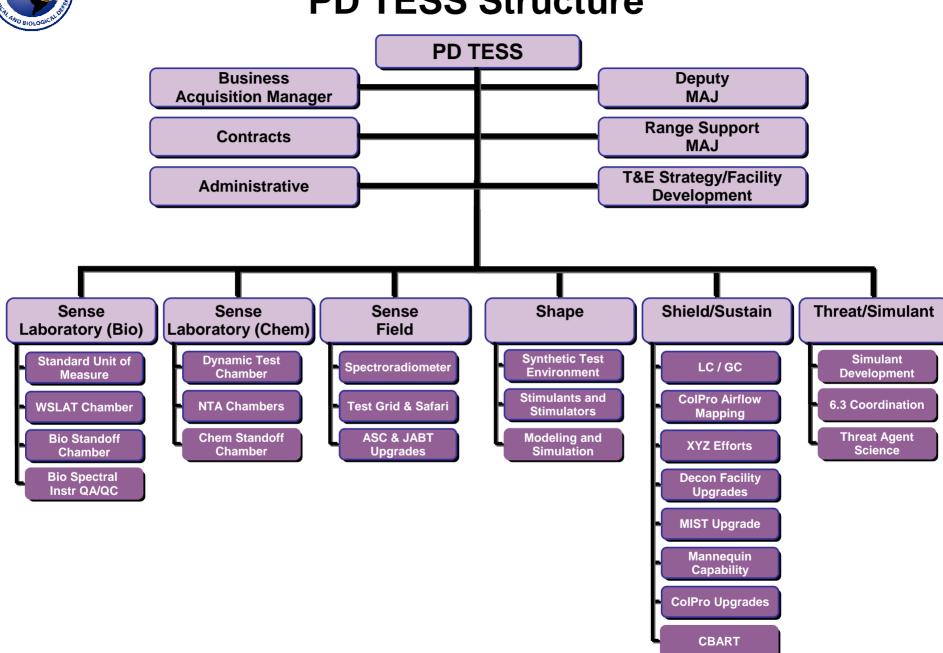
Background

- The CBDP received an unprecedented \$443 M to support T&E infrastructure development and improvements through the FY06 Enhanced Planning Process.
- Efficiencies will be gained through a new organization, "PD TESS" established by the JPEOCBD to provide centralized planning, management and accountability for executing the newly approved Joint T&E investment strategy.
- The new funding will support execution of a prioritized list of projects vetted through the Joint T&E Executive for CBD that will close T&E capability gaps identified by the joint community.
- Planned T&E capabilities will allow JPEOCBD to develop and assess the newest technologies and provide the best force protection capability to warfighters.

February 24, 2006 3



PD TESS Structure





Coordinated Planning Process

- Capability Gaps Identified by Commodity Areas.
- Vetting Completed by the TECMIPT Across Commodity Areas.

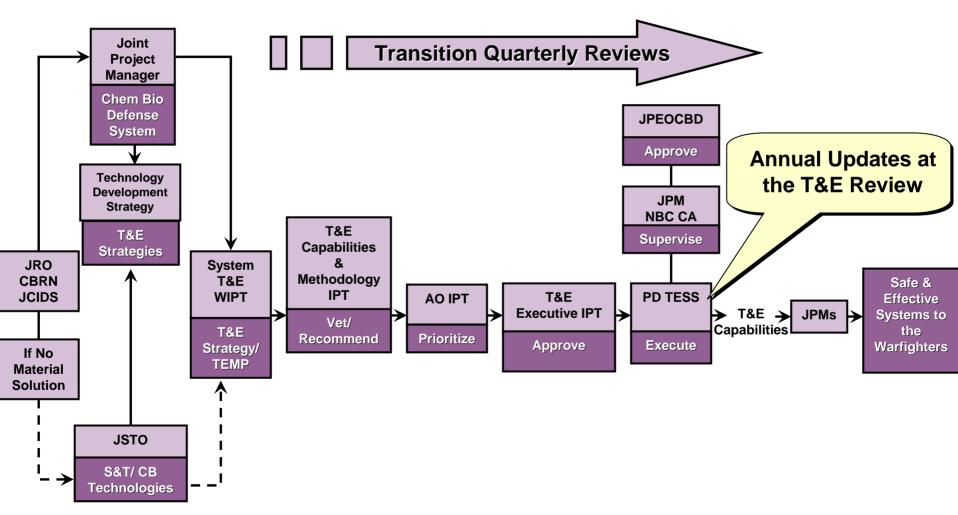


- Prioritization and Resourcing Recommendations are Formalized by the AO IPT.
- Infrastructure Investment Strategy Approved by the CBDP Executive Leadership.





T& E Capabilities Project Development & Strategy Approval Process

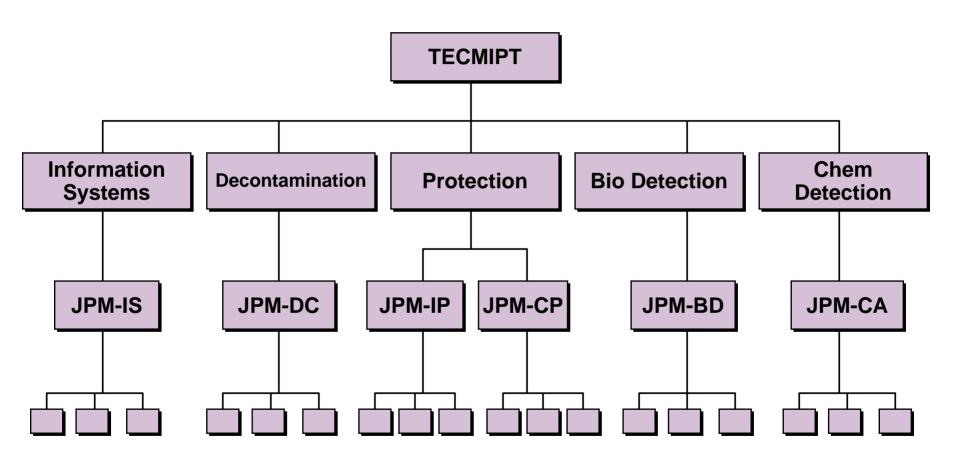


JPM PROGRAM REQUIREMENTS DRIVE THE PROCESS

February 24, 2006 6



Test Capability Gaps Vetting Process





Individual Protection Equipment (IPE) Commodity Capability Package



Today	Desired
 Swatch Testing Traditional Chemical Agents – DPG/ECBC (SMARTMAN, Boot, Glove) Simulants – Natick, ECBC and DPG Filter Testing Traditional Chemical Agents – ECBC and DPG Simulants – ECBC and DPG Limited full CB system performance simulant testing (MIST) – DPG 	 IPE Model Agent/Simulant Correlation Standardized list for TIC Threats and battlefield contaminants Full system simulant testing (IPE Test Grid) Traditional and Biological agent testing (Sweating Articulated Mannequin) Swatch and Filter Agent (TIC/TIM and NTA) testing T/RH variation Cartesian grid Air flow mapping Air quality Field operational effects capability

T&E Investment Strategy

S&T Thrust

- IPE Model
- Agent/Simulant Correlation
- Standardized list for TIC Threats and Battlefield Contaminants
- · Air flow mapping under ensemble
- Cartesian grid
- Air quality measurement and control
- · Field operational effects capability

JPM

- Agent (Chem, Bio, TIC, NTA) and Simulant Swatch Qualification
- Agent (Chem, Bio, TIC, NTA) and Simulant Filter Qualification
- IPE System Model Validation

Independent Testers

- Full System Networked Field Simulant Testing
- Model accreditation

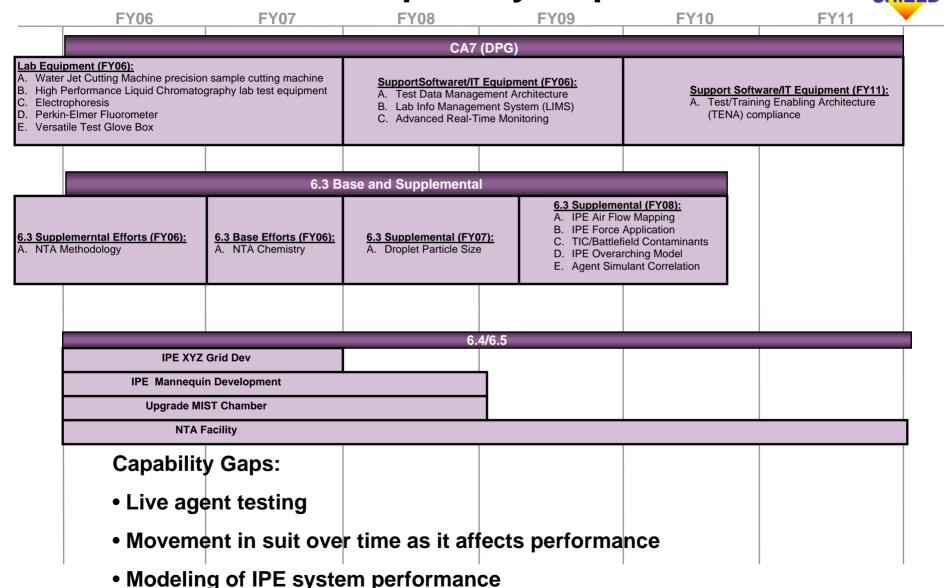
Solution =



- Full System CB Simulant Testing at DPG
- NTA Swatch and Filter Testing at ECBC
- Traditional Agent and TIC/TIM (swatch and filter) Testing at ECBC and DPG
- Full System Traditional Agent Testing at DPG (mannequin)
- Swatch Chemical Simulant Testing at Natick



Individual Protection Equipment (IPE) Capability Gaps

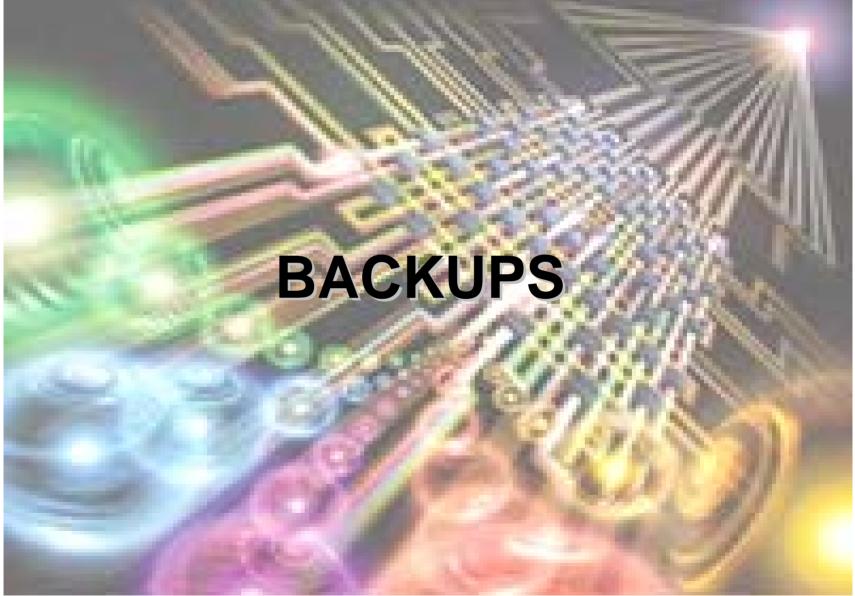




Questions?

http://www.jpeocbd.osd.mil/







Acronym Key

AO - Action Officer

ASC - Active Standoff Chamber

Bio - Biological

CBART – Chemical Biological Agent Resistant Tests

CBD - Chemical Biological Defense

CBDP – Chemical Biological Defense Program

CBRN - Chemical, Biological, Radiological, Nuclear

Chem - Chemical

COLPRO – Collective Protection

DPG – Dugway Proving Ground

ECBC – Edgewood Chemical Biological Center

FY06 - Fiscal year 2006

IPE - Individual Protection equipment

IPT – Integrated Process Team

JABT - Joint Ambient Breeze Tunnel

JCIDS – Joint Capabilities Integration and Development System

JPEOCBD – Joint Program Executive Office for Chemical and Biological Defense

JPM – Joint Project Manager

JPM-BD - Joint Project Manager, Biological Defense

JPM-CA - Joint Project Manager, (NBC) Contamination Avoidance

JPM-CP – Joint Project Manager, Collective Protection

JPM-DC – Joint Project Manager, Decontamination

JPM-IP - Joint Project Manager, Individual Protection

JPM-IS – Joint Project Manager, Information Systems



Acronym Key (Cont.)

JRO - Joint Requirement Office

JSTO - Joint Science and Technology Office

LC/GC - Liquid Chromatograph/Gas Chromatograph

MIST - Man-in-Simulant Test

NBC - Nuclear, Biological, Chemical

NBC CA - Nuclear, Biological, Chemical Contamination Avoidance

NTA - Non Traditional Agent

PD TESS – Product Director, Test Equipment, Strategy, and Support

PTA – Primary Test Activity

QA/QC - Quality Assurance and Quality Control

S&T - Science & Technology

T&E - Test & Evaluation

TECMIPT – Test & Evaluation Capabilities and Methodology IPT

TENA – Test/Training Enabling Architecture

TIC - Toxic Industrial Chemical

TIM - Toxic Industrial Material

T/RH – Temperature/Relative Humidity

WIPT - Working Integrated Process Team

WSLAT – Whole System Live Agent Testing