Joint FP Capability Roadmap

- Joint Basing Standup (OSD)
- ICDs
- DCRs
- CDDs
- JCTD
- Joint Experiment (JE)
- Service-Specific JCIDS Docs
- Joint Force Protection Advanced Security System (JFPASS)
- OCONUS Site FY09/10
- Service-Specific Procurement Programs

Lower (Red) Path Delivers Capability 4 to 5 years Earlier

• Joint CBRNE IP Study
• USA Unit Protection CCP
• Biometrics CBA
• USN Shipboard/Installation Protection CDD
• USAF IBDSS CDD

Complex systems
- Non-Intuitive Interdependencies
- Experimentation Informs Requirements

Joint Program Alternatives
- Joint Program Manager – Centralized OR
- Lead Service PM with Joint Participants

FY09
- FIELD Residual in FY09

FY08
- Joint Force Protection Advanced Security System (JFPASS)
- JCTD
- OCONUS Site FY09/10

FY07
- Joint Basing Standup (OSD)

FY06
- AOR Trip #1

FY05
- IUBIP CBA (FY12-24)
- JSP
- CONOPS
- FAA
- JCD
- FNA
- FSAs

FY04
- Joint Experiment (JE)

FY03
- Service-Specific JCIDS Docs

FY02
- OSD Physical Security Equipment Action Group (PSEAG)
- Joint RDT&E for Physical Security

Vigilant Protection and Initial Response for DoD’s Critical Infrastructure
IPP Equipment

RAD

IPE

CHEMICAL

Decon

Decision Support

Mass Notification

Vigilant Protection and Initial Response for DoD’s Critical Infrastructure
Vigilant Protection and Initial Response for DoD’s Critical Infrastructure

BLUF

IPP Status

Where are we today?
• On target!
  • 47 bases fielded
  • 19 bases being fielded > 80% complete
  • 9 OCONUS bases in design
• Maximizing Capability
  • Added Biosurveillance, Shelter in Place and better DSS in tier 1 to meet study recommendations
  • Baseline Tier concept approved
• JPMG continues foundational analysis and support of the CBRNE-IP Action Plan

Restructured, On-Target, and Ahead of Expectations

75% Joint Commonality

Increased OCONUS Focus

75% Joint Commonality
Consequence Management

- **National Guard Bureau Civil Support Teams (CSTs)**
  - Supports 57 CSTs
  - Responsible for the Development, Procurement and Fielding of the Analytical Laboratory System (ALS) and the Unified Command Suite (UCS)
  - Provide Personnel Protective Equipment, Decontamination and Detection/Identification Equipment to CSTs

- **20th Support Command**
  - Equipping and Refreshing WMD CE and TEU CBRN COTS equipment
  - Equipping and Refreshing Nuclear Disarmament Teams (NDTs)
  - Developing 20th SupCom Mobile Laboratories

- **U.S. Army Reserve (USAR) Reconnaissance / Decontamination Platoons**
  - Provide Mission Capabilities to 81 Decon Platoons and 27 Recon Platoons
  - Provide Personnel Protective Equipment

Focusing on Specialized WMD Units and Support to Civilian Authorities Capabilities
Consequence Management

● COTS Life Cycle Management Process
  – Single Point of Management
  – Portfolio Approach
  – An End-to-End “Enterprise Process”
  – Single Repository of Product Information
  – Sustainment Functions Incorporated into Key “Service” Institutions

● TIC/TIM Design and Procurement Strategy
  – JPEO Portfolio Acquisition Strategy
  – Technical Readiness Evaluation in FY08 to identify key capability gaps
  – Phased fielding process
    • Leverage existing COTS to address near term issues/gaps
    • Transition to GOTS solutions in the long term

COTS Can Field Capability Rapidly But Has Significant Challenges
Analytical Laboratory System (ALS)

Increment 1 Analytical Upgrade
Chemical / Biological Agent Detection & Analysis

JBAIDS - PCR
IMS
FT/IR
M1M
GCMS
UCS Increment I Equipment

- KU Band System
- GPS Tracking System
- QSEC-2700 Phone
- Tactical MXP VTC Unit
- Transportable Communication Package (ADVON)
- Wireless Camera/Transceiver
Mission
To provide COTS life-support equipment that directly protects individuals from the effects of CBRN contamination. This entails Personal Protective Equipment, CBRN decontamination, or detection/identification equipment. Support the evaluation of COTS CBRN equipment against nationally accepted standards or user requirements. To support the development of capabilities documents for COTS equipment.

Customer
• 44 National Guard Bureau Weapons of Mass Destruction-Civil Support Teams (WMD-CSTs) - Online
• 11 Additional WMD-CSTs in FY05
• 12 RECON and 75 DECON USARC Chemical Company Platoons - Online
• 9 Additional RECON Chemical Company Platoons FY 06-11

Capabilities
• Man-portable
• TIC/TIM
• CWA Detection
• BWA Detection
• Radiological Detection
• Personal Protection
• Decontamination
20th Support Command
Deployable Analytical Labs

Mission:
Deploy CONUS/OCONUS to destroy, remove, transfer, or otherwise verifiably dispose of an adversary’s WMD materiel, weapons, equipment, and infrastructure to include dual-use assets, infrastructure, and capabilities.

Functions
Provide Chem, Bio, Explosives Analysis
Provide near real time air monitoring support to CBRNE operational teams
Maintain capability to transmit analytical data to decision makers
Transmit data for peer review or interpretation
Deployable and 100% mobile

CDAL--Light

CDAL--Heavy

GC/MSD EI/CI
LC-UV-MS-LTQ w/API
PCR Bio R.A P.I.D
Raman Spectrometer w/database
X-ray fluorescence spectrometer
Microscope, multipurpose
Capillary Electrophoresis G6100
X-ray diffractometer, Miniflex II
FTIR Nicolet Avatar, w/gas cell, hazard cell
FTIR Database
Scanning Electron Microscope w/x-ray

*Green = common to both systems
*Blue Heavy Lab only

Vigilant Protection and Initial Response for DoD's Critical Infrastructure
Mission: On Order, CBRNE Response Teams (TE) Deploys world-wide as a task force to conduct WMD-elimination operations, technical escorts, and CBRNE incident response operations in support of Combatant Commanders and other Government agencies.
Mission: The NDT rapidly and efficiently exploits and disables nuclear/radiological WMD infrastructure and components, in order to deny near-term capability or re-use by enemy forces and facilitate follow-on elimination operations. On order, package, transport, and safeguard special nuclear materials and those nuclear/radiological materials that pose an immediate threat to friendly forces in order to reduce friendly force radiation exposure hazards and eliminate threat sources of material for radioactive dispersal devices.
USAR - Reconnaissance and Decontamination Teams & Capabilities

The USAR chemical units have a mission to provide Nuclear, Biological, and Chemical (NBC) reconnaissance and decontamination in support of domestic emergencies involving weapons of mass destruction.
**Force Protection Systems Portfolio**

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<td>Battlefield Anti-Intrusion System (BAIS)</td>
<td>Lighting Kit, Motion Detector (LKMD)</td>
<td>Force Protection Joint Experiment (FPJE)</td>
<td>Non-Intrusive Inspection Systems (NII)</td>
<td>Non-Intrusive Inspection Systems (NII)</td>
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**Mission:** Provide affordable, modular, scaleable, and supportable physical security capabilities integratable into a system/family of systems to tactical forces and installations worldwide.
COTS Lifecycle Management Strategy

JPEO-JPM G
Surveillance Activities
Top Level Surveillance
Establish (Mat or Non Mat) Targets/Objectives
Links Materiel & Experimentation Needs
Develop key enablers

Joint COTS Training Strategy

Life Cycle Sustainment
Materiel Mgmt
Training
Maintenance
Software Support
Obsolescence
CLS Mgmt
Other ILS domains

Continuous Feedback

Task Force
Procurement Integration, And Testing Acquisition, Contract, & ILS Strategy PM CM

Modernization & Execution Activities

Task: DOTMLPF review Identify Capability Solution

Experimentation / Evaluation

JPMG

JRO Capability Validation
ICT
DCR
ICD/CDD
CPD

JUONS
ONS

NSERP COTS Validation

COTS Guidance & Policy

COTS Guidance & Policy
Summary

• JPM Guardian provides integrated capabilities for Force Protection and Consequence Management
BACKUP