

JOINT PROJECT MANAGER GUARDIAN



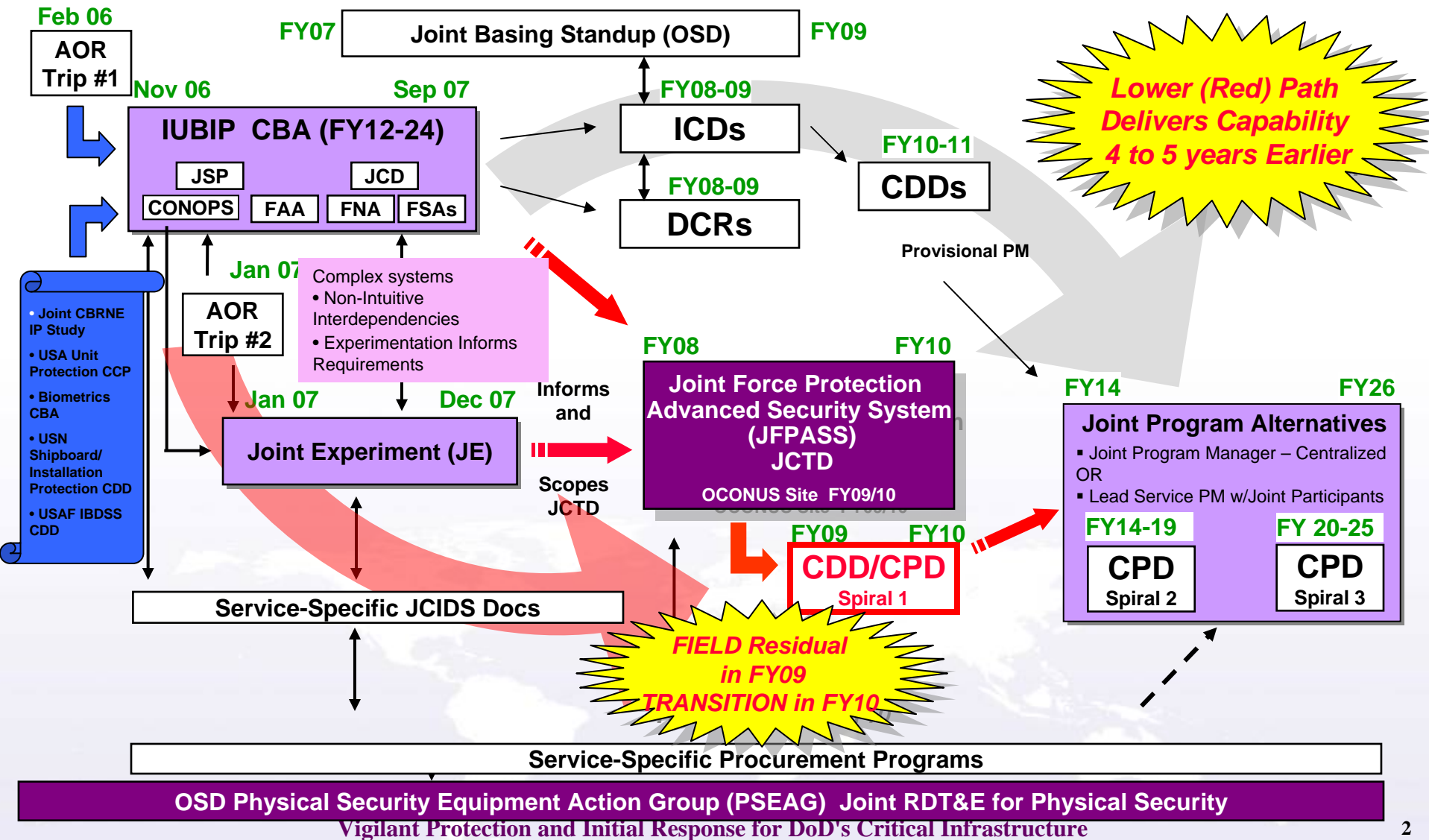
Briefing to Joint Chemical Biological Decontamination & Protection Conference Oct 24, 2007

Vigilant Protection and Initial
Response for DoD's
Critical Infrastructure

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Joint FP Capability Roadmap





Installation CBRN Defense

BASELINE

Improved DSS,
Bio Surveillance
Shelter-in-Place

TIER 1

TIER 2

Training products
Planning, CONOPS & MAA
templates, Exercise scenarios
& criteria

WARNING &
NOTIFICATION

COLPRO, DSS,
Escape masks
& IPE

**DHS
BioWatch
Coverage**

DNDO

PHARMACEUTICALS

RAD PORTAL
MONITOR
(Legacy)

Local
Responders

MEDICAL
SURVEILLANCE

EMERGENCY
RESPONSE

CBR Portable Detection,
Mass Casualty, IPE, IMS,
Pharmaceuticals, Shelter-in-
Place, Bio, Medical Surveillance

CHEM/BIO
SENSORS

Military-Civilian Mutual Support



IPP Equipment



RAD



IPE



CHEMICAL



Decon



BIO



Decision Support

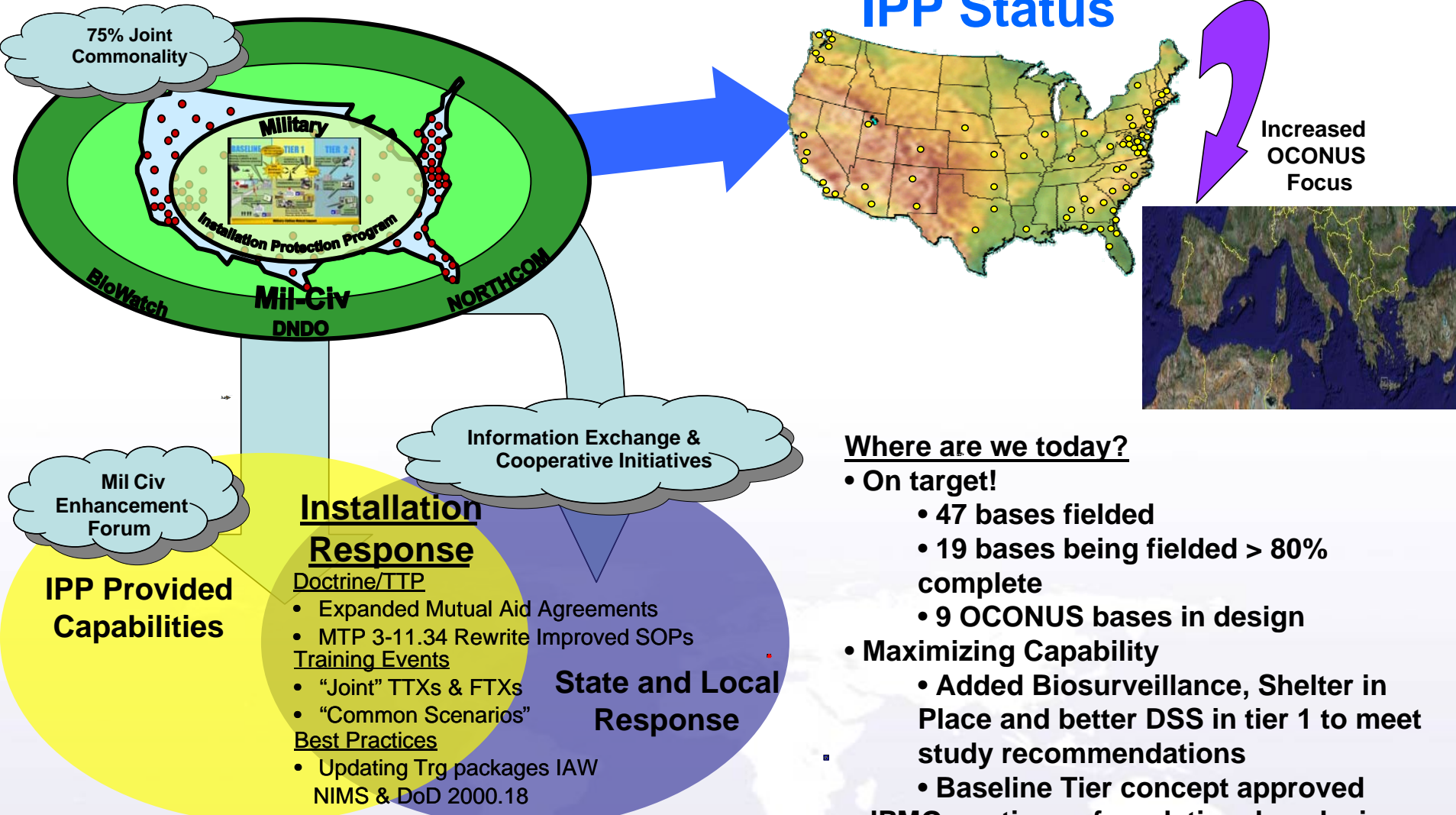


Mass Notification



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



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

Forecast
Institutionalize
Sustain

- **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



GCMS



M1M



UCS Increment I Equipment



KU Band System



QSEC-2700 Phone



GPS Tracking System



Tactical MXP VTC Unit



Transportable Communication Package (ADVON)

Vigilant Protection and Initial Response for DoD's Critical Infrastructure



Wireless Camera/Transceiver



COTS / C-SPA

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

- 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

CDAL--Light



CDAL--Heavy





20th Support Command CBRNE Response Teams

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.





20th Support Command Nuclear Disablement Team (NDT)

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



DiNeutron Detector



Model 78 Stretch scope



CoBRA Reference Tool



High Volume Air Sampler



Draeger Tubes + bellows pump



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



**Automation of
Intrusion Detection
and Entry Control**



**Automated
Installation Entry
(AIE)**



**Access Control Point
Equipment Program
(ACPEP)**



Robotics

**Mobile Detection
Assessment Response
System (MDARS)**



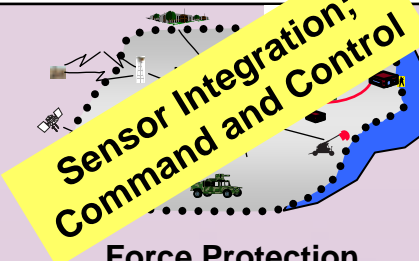
**Force Protection
Equipment
Demonstration (FPED)**



**Unattended Ground
Sensors**



**Lighting Kit, Motion
Detector (LKMD)**



**Sensor Integration;
Command and Control**

**Force Protection
Joint Experiment
(FPJE)**



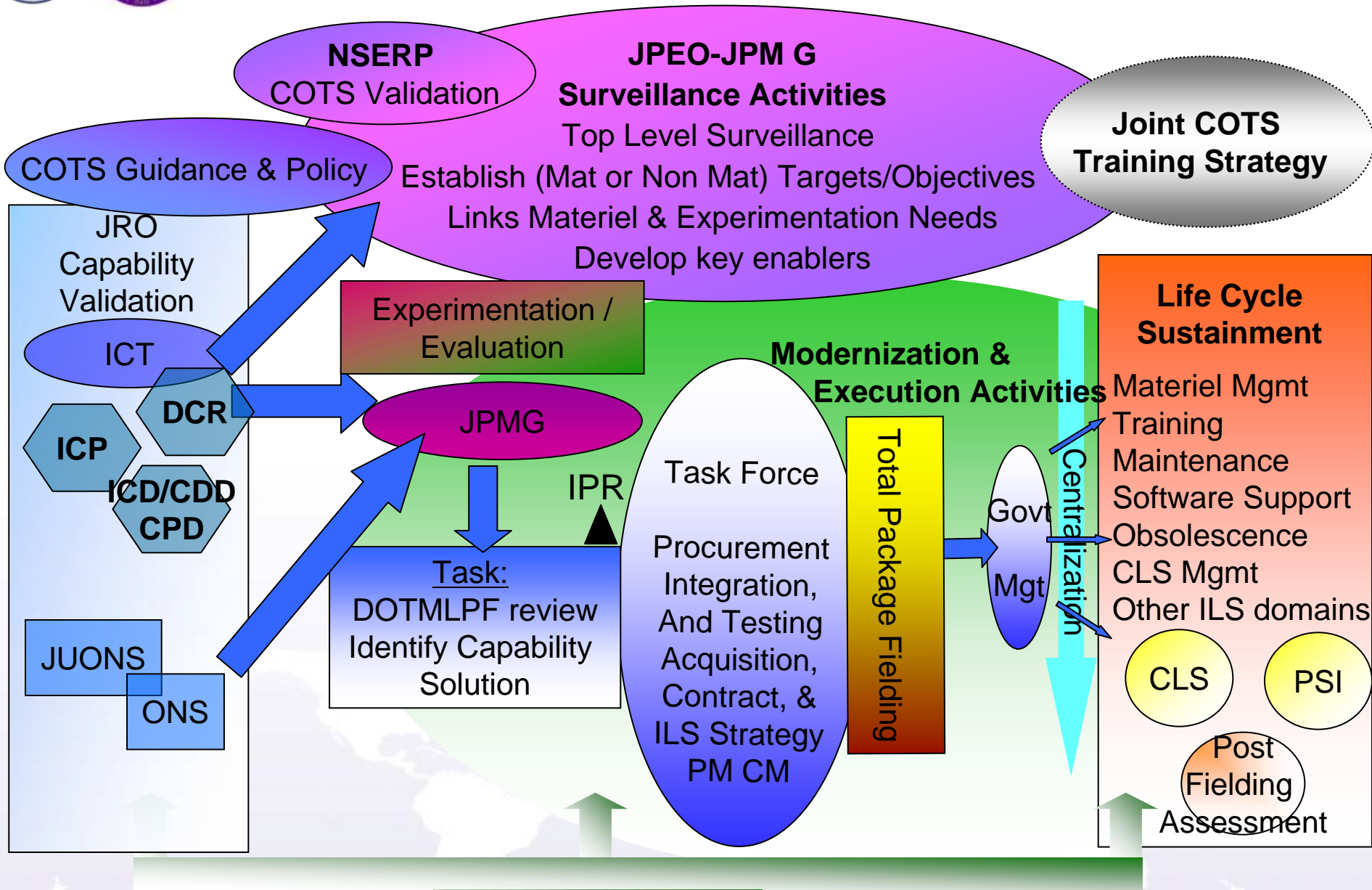
Non-Intrusive Inspection

**Non-Intrusive
Inspection Systems
(NII)**

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



Summary

- JPM Guardian provides integrated capabilities for Force Protection and Consequence Management





BACKUP

