

TEAMING FOR TOMORROW



**WELCOME TO THE 1ST ANNUAL
JOINT TEAM APG**

**ADVANCED PLANNING BRIEFING
FOR
INDUSTRY (APBI)**

4-6 DECEMBER 2012



The Chemical and Biological Defense Program (CBDP)

Advance Planning Briefing for Industry (APBI)

Dr. Gerald Parker

December 6, 2012



Agenda

- **Chemical and Biological Defense Program Overview**
- **Threat and Future Challenges**
- **Key Objectives and Focus Areas**
- **Medical Countermeasures Development**
- **Partnerships**



Chemical Biological Defense Program (CBDP) Overview

This program is a key part of a comprehensive, national strategy to prevent, protect, and respond to an ever-evolving spectrum of emerging 21st century chemical and biological threats

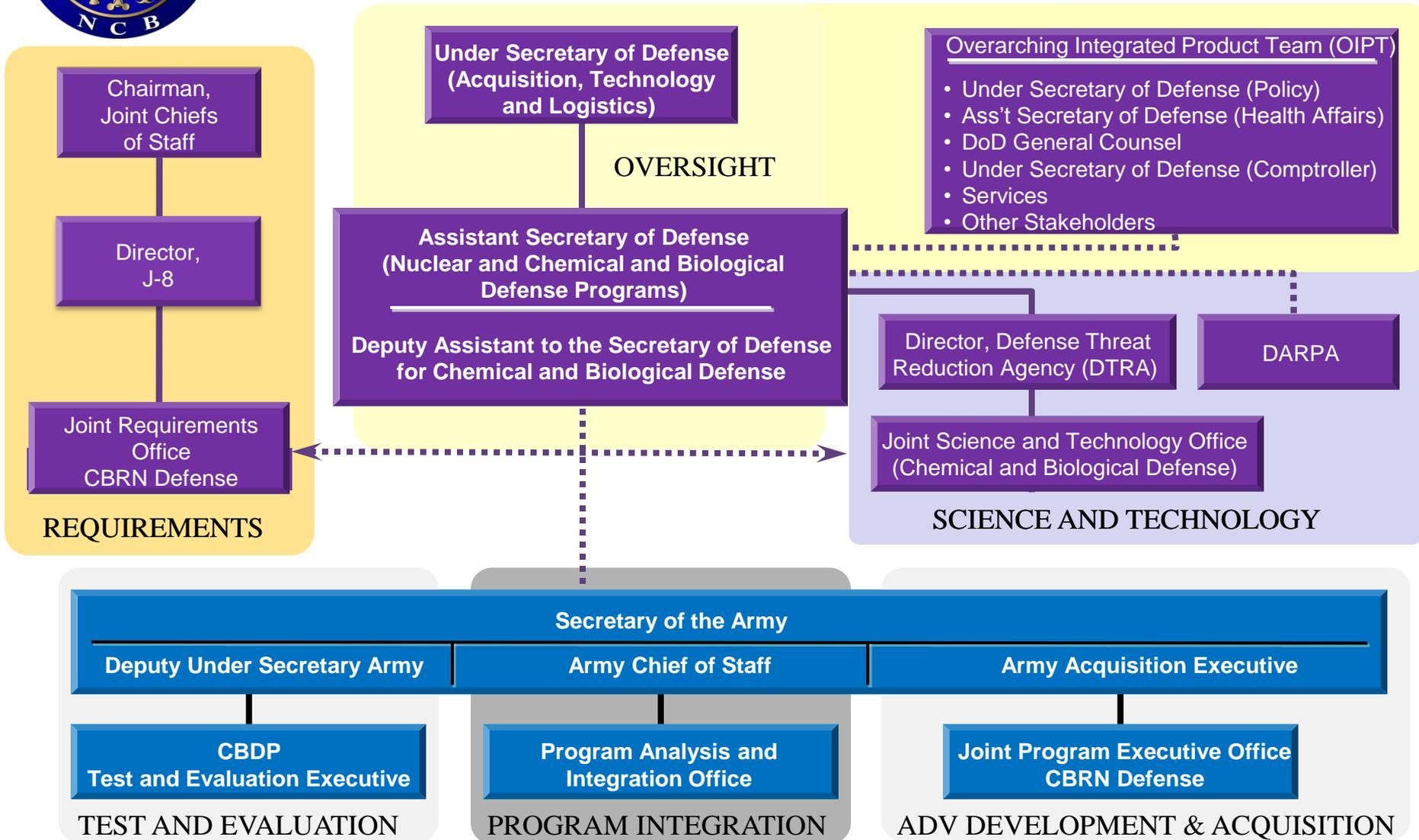
The CBDP supports comprehensive DoD efforts to:

- **Research, develop, and acquire capabilities for a layered, integrated defense focused on CB threats**
- **Better understand potential threats**
 - *Further develop capabilities to respond to current and traditional threats*
 - *Respond to natural and emerging infectious diseases*
 - *Counter advanced threats (engineered pathogens, Non-traditional agents, etc.)*
- **Secure and reduce dangerous materials whenever possible**
 - *Support the Cooperative Threat Reduction and Cooperative Biological Engagement program efforts*
 - *Provide guidance and support on DoD biosecurity and biosafety*
- **Leverage industry and interagency partnerships**

DoD has unique operational requirements, a global presence, and significant current and emerging threats



CBDP Organization





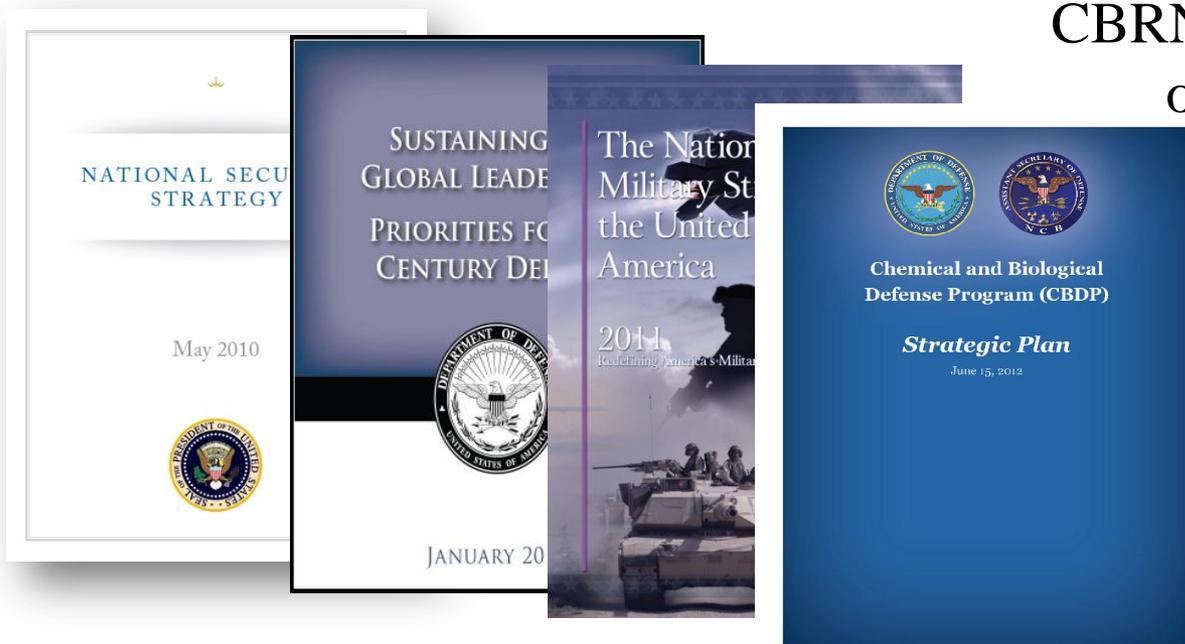
CBDP Vision and Mission

Vision

A Department of Defense (DoD) that addresses CBRN threats and minimizes their effects

Mission

Enable the Warfighter to deter, prevent, protect against, mitigate, respond to, and recover from CBRN threats and effects as part of a layered, integrated defense



The CBDP is a key part of a comprehensive national strategy to prevent, protect, and respond to an evolving spectrum of 21st Century CBRN threats



CBDP 2020 Strategic Direction

Vision, Mission, and Goals in a Layered Defense

Vision: A DoD that addresses CBRN threats and minimizes their effects

Mission: Enable the Warfighter to deter, prevent, protect against, mitigate, respond to, and recover from CBRN threats and effects as part of a layered, integrated defense

1. Equip the Force

to successfully conduct military operations to prevent, protect, and respond to CBRN threats and effects

2. Prevent Surprise

by anticipating CBRN threats and developing new capabilities for the Warfighter to counter emerging threats

3. Maintain Infrastructure

to meet and adapt current and future needs for personnel, equipment, and facilities within funding constraints

4. Lead the Enterprise

to integrate and align activities to fulfill the CBDP mission

The CBDP must continue to lead the Nation's efforts to prevent, protect against, and respond to CBRN threats into the future.



Global Security Environment

Threats

- Pervasive impact
- Conflict engagement
- Regional prevalence
- Asymmetric warfare (WMD)
- Adaptive / emergent

Major Challenges

- Traditional / non-traditional threats
- Irregular warfare
- Catastrophic consequences
- Disruptive economic impact

Stakeholders

- Joint Forces
- Interagency Partners
- International Collaborators

These issues must be addressed with the right mix of resources to improve Warfighter CBRN defense capabilities and enhance the nation's security

PRIORITY –IMPROVE WARFIGHTER CBRN DEFENSE CAPABILITIES AND ENHANCE HOMELAND DEFENSE



Threat Environment

Biological

Traditional Threats

- Bacterial pathogens (anthrax, plague)
- Viral pathogens (VEE, WEE)
- Toxins (botulinum, ricin)

Emerging Threats

- Current and emerging diseases
 - **Influenza**
 - **Melioidosis**
 - **Brucellosis**
 - **Cholera**

Enhanced Threats

- Strains enhanced for environmental survivability
- Selection or creation of hypervirulent strains and pathogens with increased resistance to preventatives and treatments

Advanced Threats

- Pathogens with altered targets or symptoms to confound diagnosis and treatment
- Creating viruses *de novo*

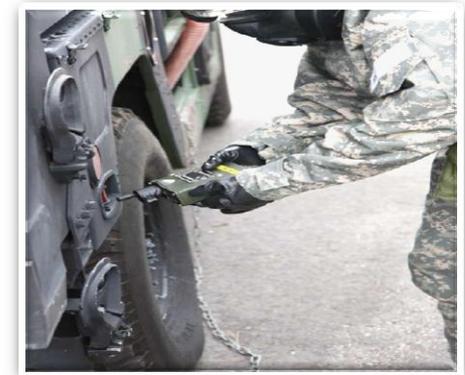
Chemical

Traditional Threats

- Chemical warfare agents (nerve, blood, and blister)
- Agents designed for military operations/applications
- Toxic Industrial Materials (TIMs)/Toxic Industrial Chemicals (TICs)

Advanced Threats

- Non-traditional Agents (NTA)
- Asymmetric applications and/or engagements





Defense Strategic Guidance: Climate and imperative to refresh national DoD strategy

Anticipating and Meeting Future Challenges

**Today's
Wars**

President's Priorities for 21st Century Defense

**Future
Challenges**

Impetus for Reassessment

- Draw down from extended operations in Iraq and Afghanistan
- Protect our nation's economic vitality and operate within changing fiscal circumstances
- Guard our interests in a world of accelerating change
- Meet changing geopolitical environment

Addressing Current and Future Challenges

- ➔ ▪ **Maintain active approach to countering violent extremists**
 - Rebalance toward the Asia-Pacific region
 - Continue presence in and support for the Middle East
- ➔ ▪ **Assure access to and use of air, sea, space, and cyberspace**
- ➔ ▪ **Develop innovative, low-cost, small-footprint approaches**
- ➔ ▪ **Act with domestic and foreign partners to prevent proliferation WMD**



Chemical and Biological Defense

Key Objectives

- Establish medical countermeasures (MCM) pipeline from requirements definition, through Research, Development, Test and Evaluation (RDT&E) and FDA approval, to manufacturing and distribution.
- Develop synergistic, technologically advanced environmental surveillance and point-of-need diagnostic capabilities against CBRN threats to enable force protection decisions.
- Provide CBRN defense capabilities to support biosurveillance efforts and enable the warfighter to achieve information dominance in the CBRN domain.
- Integrate Non-Traditional Agent (NTA) defense capabilities in future CBD systems.
- Develop and field suitable, effective, and affordable broad-spectrum CB detection capabilities to detect current and emerging CB hazards.
- Maintain critical capabilities and competencies, aligned with RDA priorities, to rapidly develop, test, and field CBRN defensive capabilities to the warfighter.
- Implement risk-based planning and decision-making processes within the Enterprise.



CBDP Focus Areas

Detection and Diagnostics

■ Detection

- Provide actionable information to allow commanders to mitigate the effects of CB events with minimal impacts to the force.
- Pursue common technologies for diagnostics and environmental detection.
- Ensure development and fielding of enhanced capabilities able to detect and identify emerging threats.
- Ensure adequate capability exists in the field to detect and identify known threats.
- Ensure critical information provided by sensors is capable of rapid integration into BSV and info systems that provide critical information to decision-makers.

■ Diagnostics

- Resource a robust portfolio that provides capabilities to:
 - Identify threats in both permissible and non-permissible environments by autonomous individuals or teams with limited to no infrastructure support, e.g., a small team deployed to the third world
- Diagnose the causative agent and survey for the presence of disease to anticipate, detect, identify, and quantify, disease-causing organisms with limited supporting infrastructure.



CBDP Focus Areas

Biosurveillance and Info Systems

- Biosurveillance
 - Capabilities to prevent or reduce the impact of biological threats and risks:
 - Provides early detection of biological events of concern.
 - Strengthens decision-making and force health protection by informing overall biological situational awareness with integrated health and environmental data.

- Information Systems
 - Continue development of networked sensors (diagnostics and environmental) and information systems in support of Biosurveillance, GCAS, and tactical common operating picture systems.
 - Standardize data requirements to allow data sharing with interagency and internationally developed updates.



CBDP Focus Areas

Protection and MCM

- Protection
 - Focus long term individual and collective protection efforts on integrating CBRN protection within materials used for field structures and uniforms.
 - Accept risk by limiting procurement to economical order quantities.
 - Continue modernization of the force with the Joint Service General Purpose Mask (JSGPM) but at minimum levels IAW FPC.

- Medical Countermeasures
 - Fund S&T efforts to develop the next-generation of manufacturing systems and regulatory science technologies.
 - Provide a dedicated, cost-effective, reliable, and sustainable advanced development and manufacturing capability.
 - Enhance the MCM S&T pipeline and advanced development portfolio to address priority threats.



CBDP Focus Areas

NTAs, CM, and Rad/Nuke Defense

- Non-Traditional Agent (NTA) Defense (Countering Advanced Threats)
 - Develop technologies that address existing and emerging NTAs in the near, mid, and far-term.
 - Strengthen and integrate capabilities that provide warning of attack, barrier protections, and both pre-treatments/prophylaxes and post-exposure treatments.
 - Expand interim NTA defense capabilities to additional DoD response forces

- Consequence Management
 - Equip multi-mission forces and specialized units with CBR defense equipment to enable assistance to state and local governments in response to and recovery from the effects of a CBRN event.

- Radiological/Nuclear Defense
 - Develop radiological / nuclear defense medical therapeutic efforts for radiological exposure.



DoD Medical Countermeasure Strategy

Core Science and Technology and Core Advanced Development Programs



Biosurveillance

Discovery

Refinement

**One drug/
One bug**
Unsustainable in meeting
21st Century Threats

Advanced
Development

MCFI
Revolutionize advanced
development and
manufacturing

**Licensed
Product
(12-15
years)**

Discovery

Refinement

Advanced
development

**One drug/
Many bugs**

**Licensed
Product
(reduced
timeframe)**

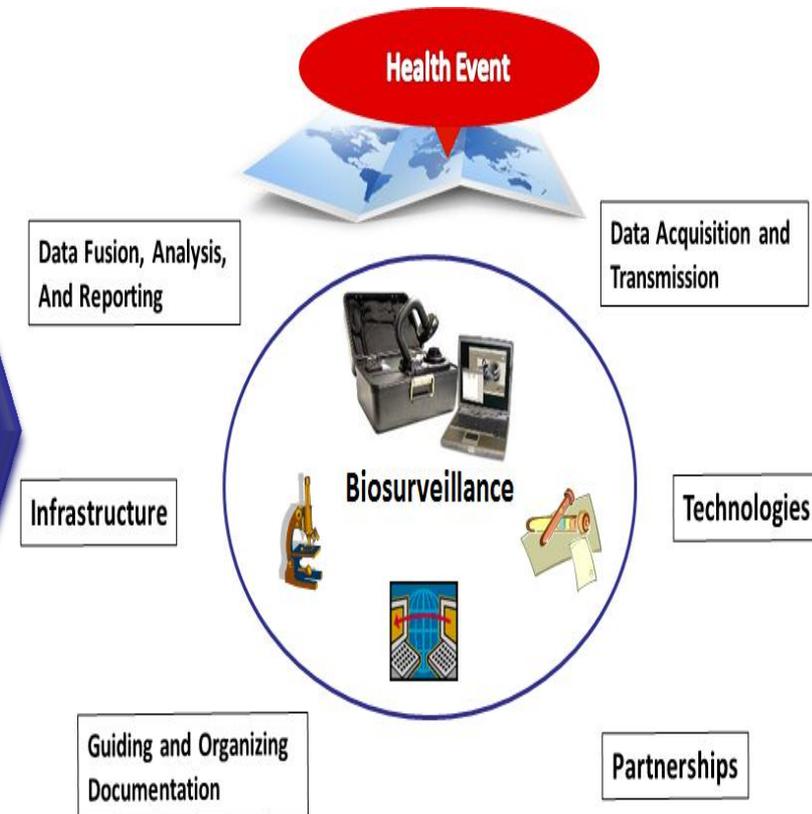
**<12-15
years**



Biosurveillance

■ Able Response Lessons Learned

- Need to coordinate United States (US)- Republic of Korea (ROK) info sharing/public messaging during incident response to eliminate conflicting information.
- Memorandums of Agreement (MOAs) exist between the US Forces Korea (USFK) and the Ministry of National Defense, and the USFK and the Korean Centers of Disease Control and Prevention, to work together in emergencies; however, direct communication at the operational level remains an issue.
- Need for increased transparency with respect to modeling capabilities and application.
- Both ROK and US have clinical case definitions, but epidemiological case definitions do not exist.





DoD Diagnostics



Far Forward



Deployable Lab



Fixed Facilities

24 Month Challenge

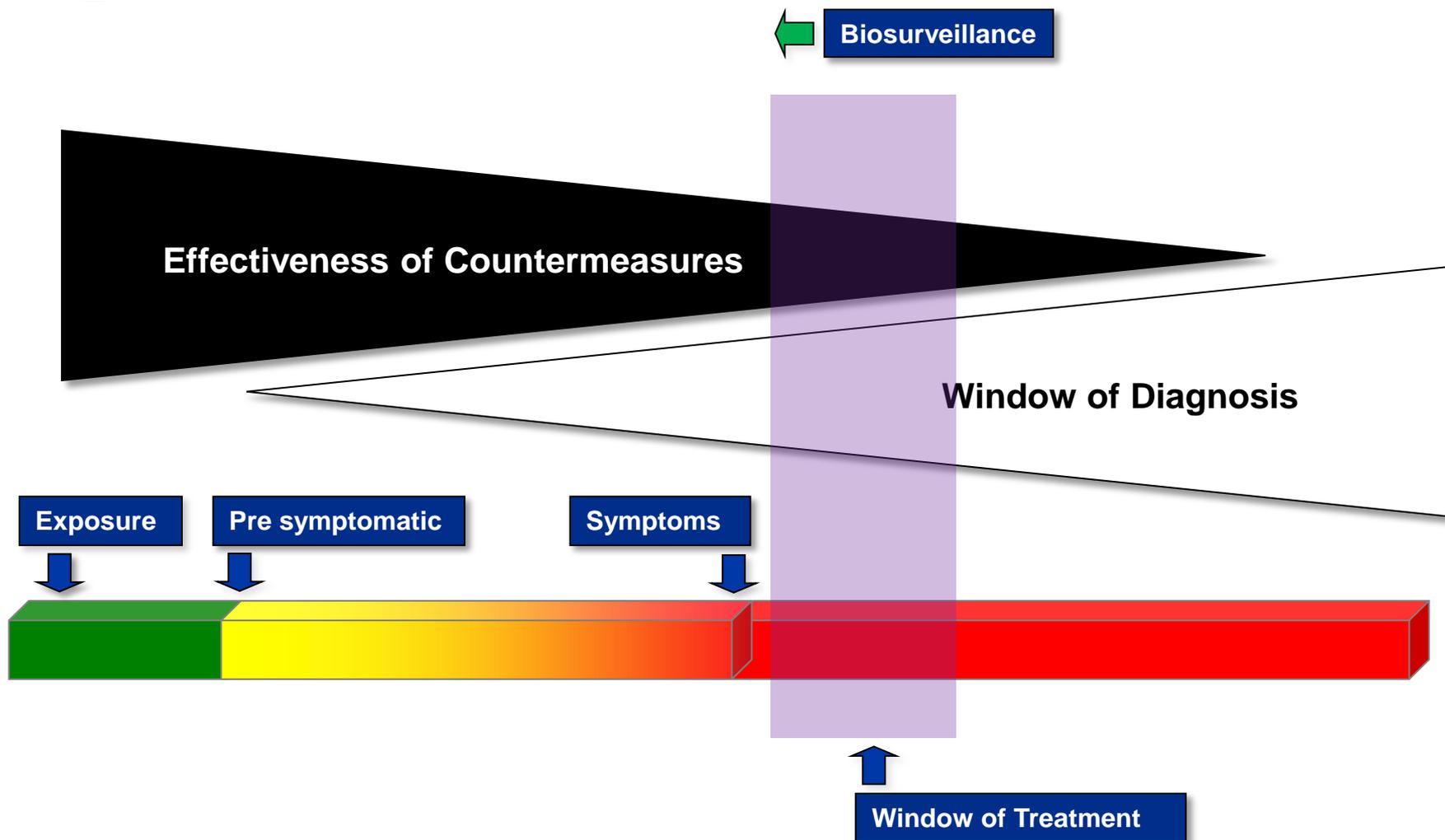


NGDS Increment 2

NGDS Increment 1



Early Detection Improves Response





CBDP: A Systems Approach



Pre-Incident

Incident

Post-Incident

Constructs

Sense

Shape

Shield

Sustain

Prevent

Protect

Respond

Recover

CBDP Capabilities

Pretreatments



Surveillance



Individual Protection



Surveillance



Collective Protection



Reconnaissance



Therapeutics

Decontamination



Detection



Detection

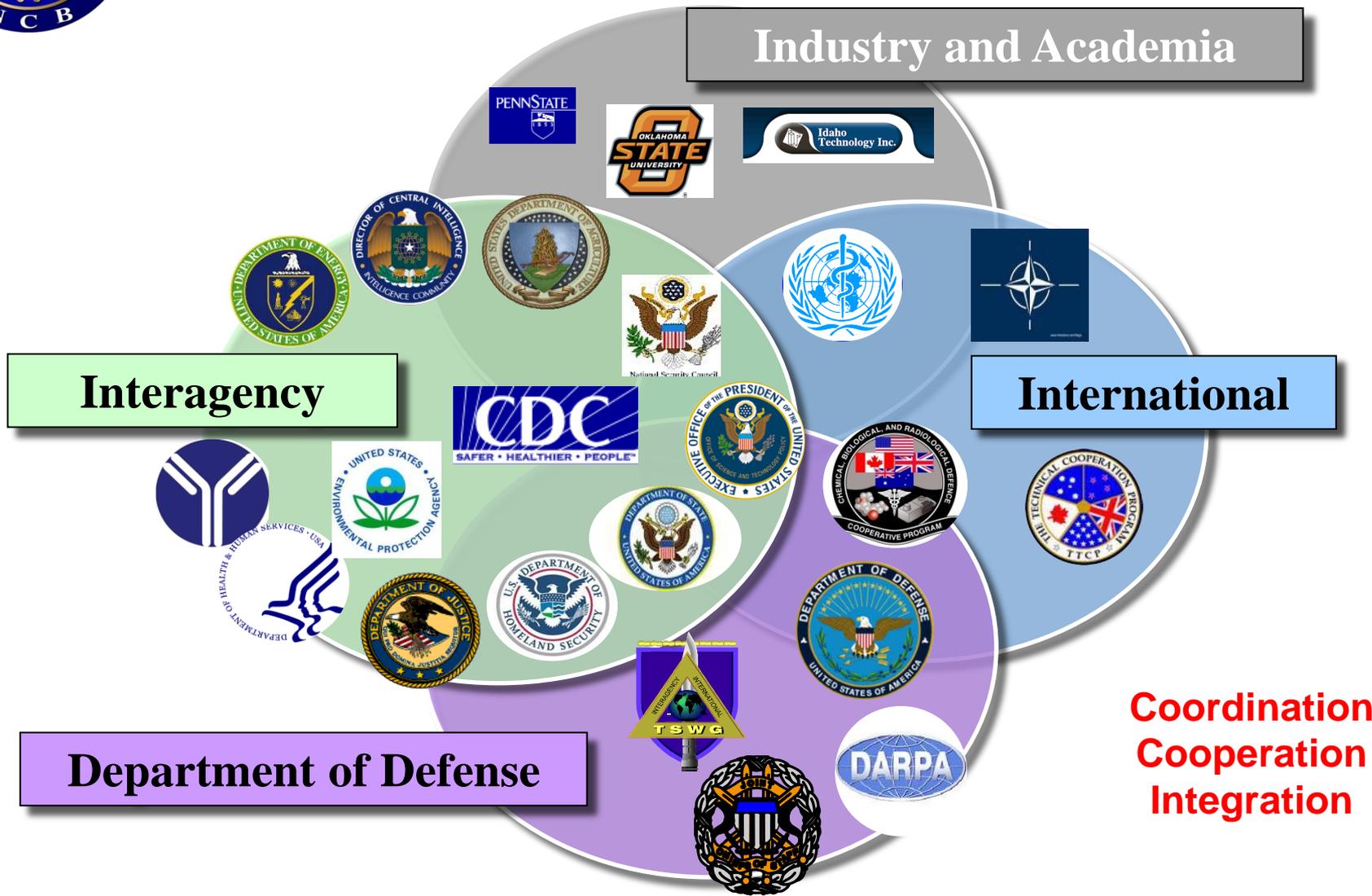
Diagnostics

Common Technologies





Strategic Partnerships are Key



Logos from Official Websites



Questions?

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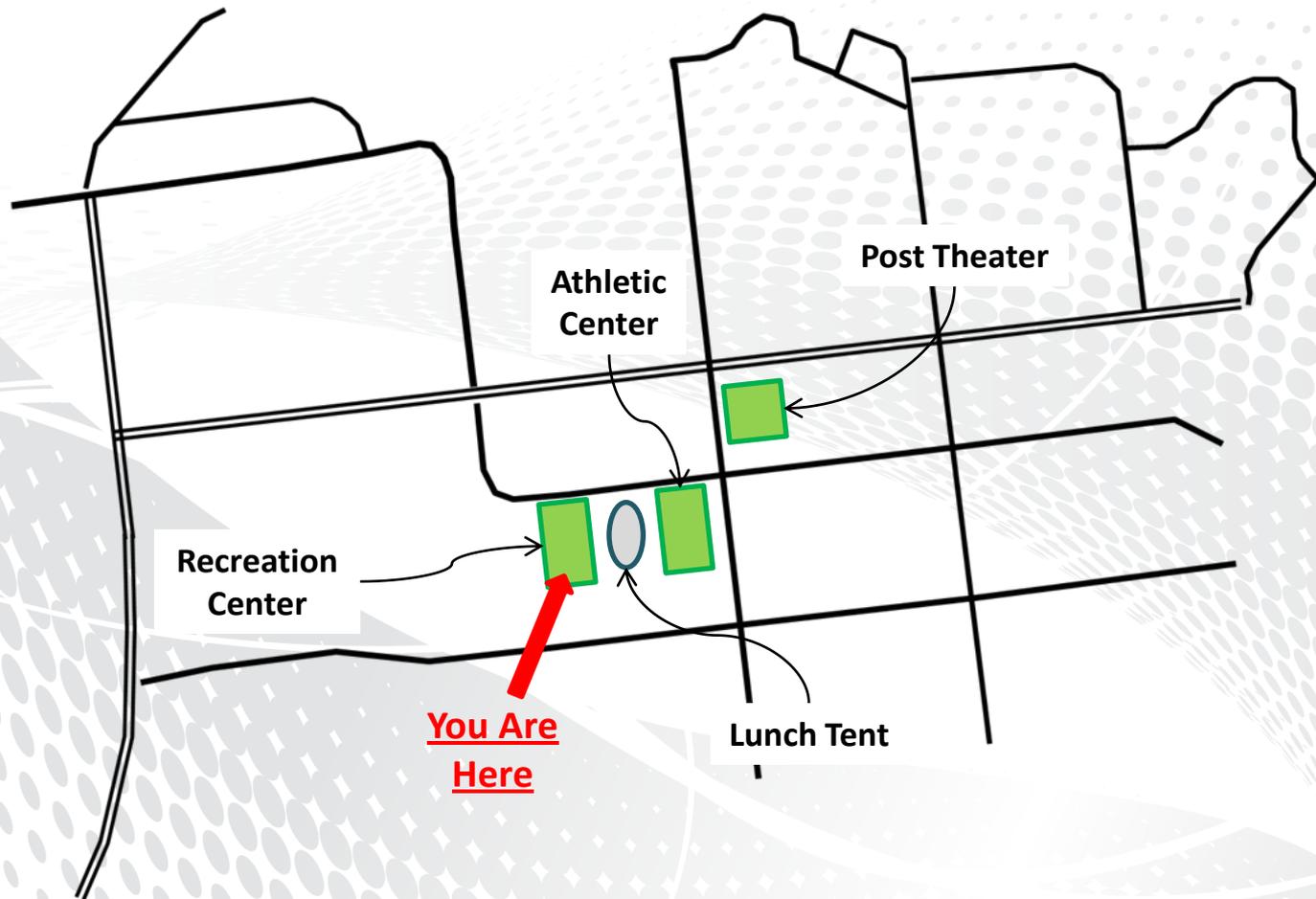


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APBI Map of Locations





ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFINGS TO INDUSTRY



20TH SUPPORT COMMAND (CBRNE)

*Raymond Vanpelt
20th Support Command (CBRNE)
December 6, 2012*



Command Video



APG- WHERE INNOVATION AND IMAGINATION PROTECT, ENABLE AND SUSTAIN OUR NATION'S WARFIGHTER TODAY AND TOMORROW



Mission



Army Service HQ Mission

Provide trained and ready forces in order to counter CBRNE and WMD threats in support of the Operational Force and National Combating WMD Objectives

Unified Land Operations (ULO) METL

- Conduct Mission Command
- Establish, organize and operate a Joint Task Force
- Execute Combating Weapons of Mass Destruction Operations in Joint Operation Area (JOA)

Deployable HQ Mission

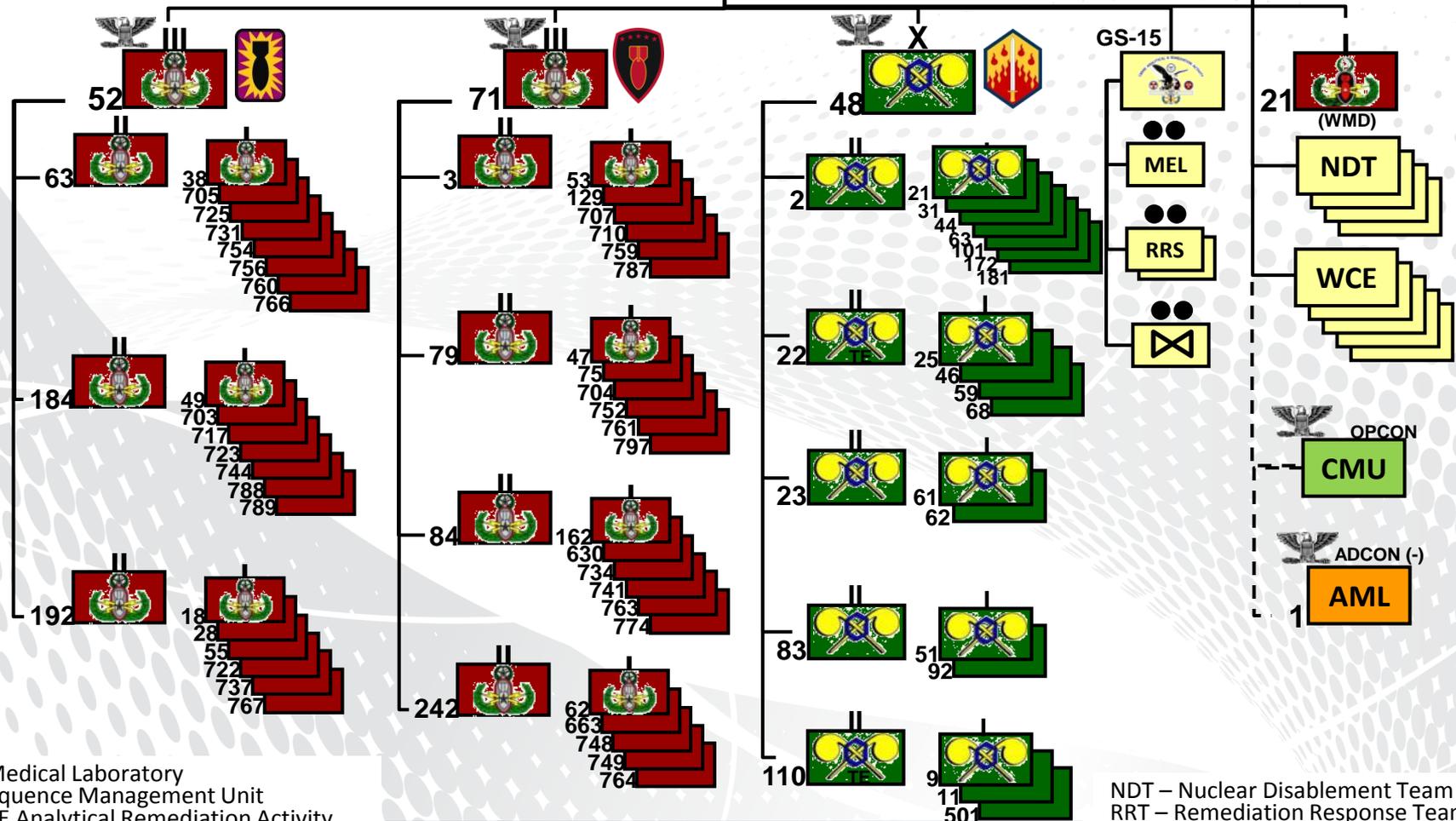
On order, the 20th SUPCOM (CBRNE) deploys, conducts mission command for the Army and/or Joint specialized CBRNE forces, **executes WMD-E operations**, and other specialized CBRNE operations, and provides technical capabilities and CBRNE subject matter expertise to Joint and Army commanders to achieve national CWMD objectives



Command Organization



++
CBRNE



AML – Area Medical Laboratory
 CMU – Consequence Management Unit
 CARA – CBRNE Analytical Remediation Activity
 HMEI – Heavy Mobile Expeditionary Lab
 JPM-CM – Joint Product Manager-Consequence Management
 LMEL – Light Mobile Expeditionary Lab

ADDITIONAL PARTNERS

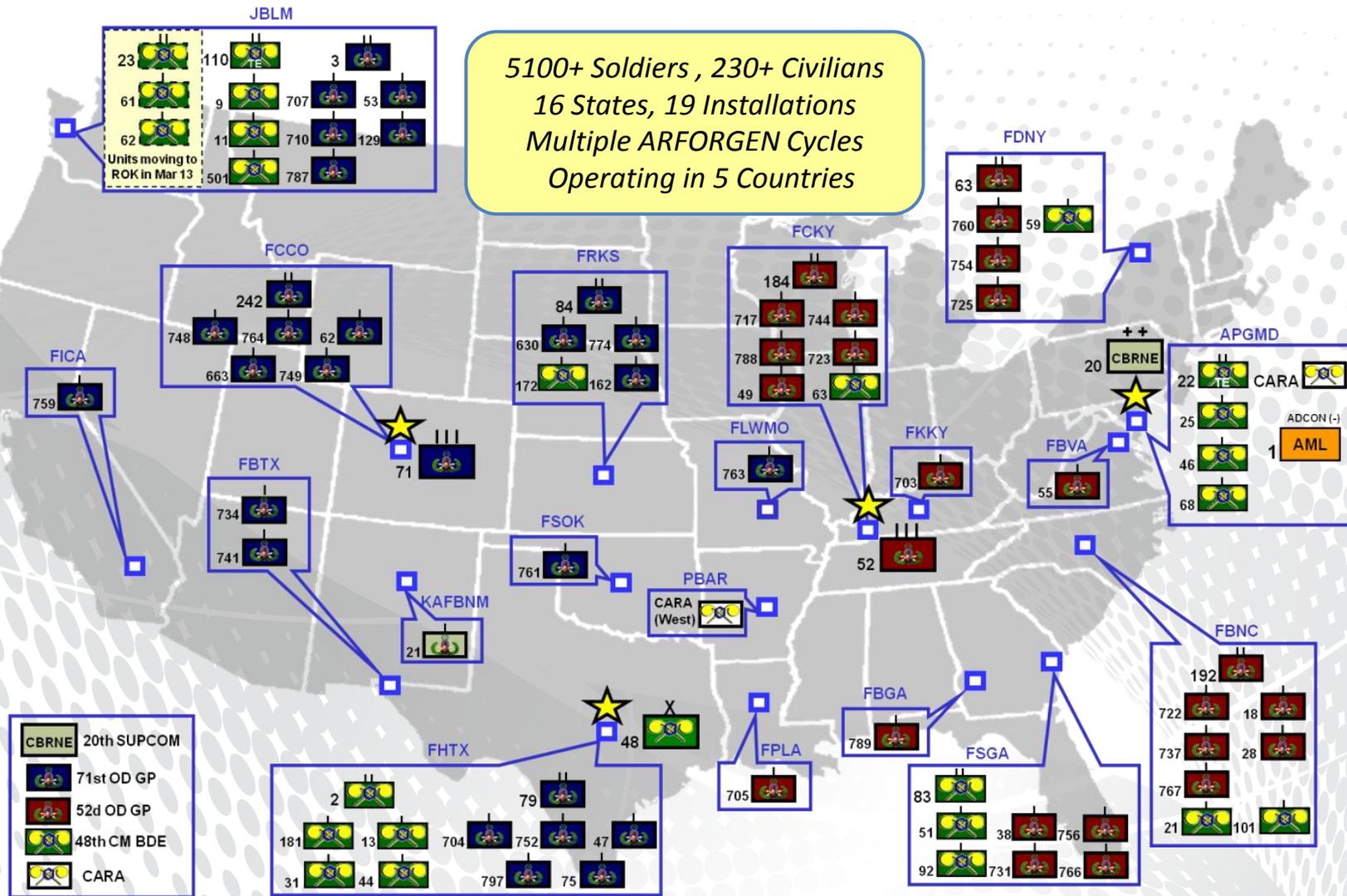
111
 41
 31
 5
 USAR ARNG

SJFHQ-E
 JPM-CM

NDT – Nuclear Disablement Team
 RRT – Remediation Response Team
 SJFHQ-E – Standing Joint Force Headquarters- Elimination
 TE – Technical Escort
 WCE – WMD Coordination Element

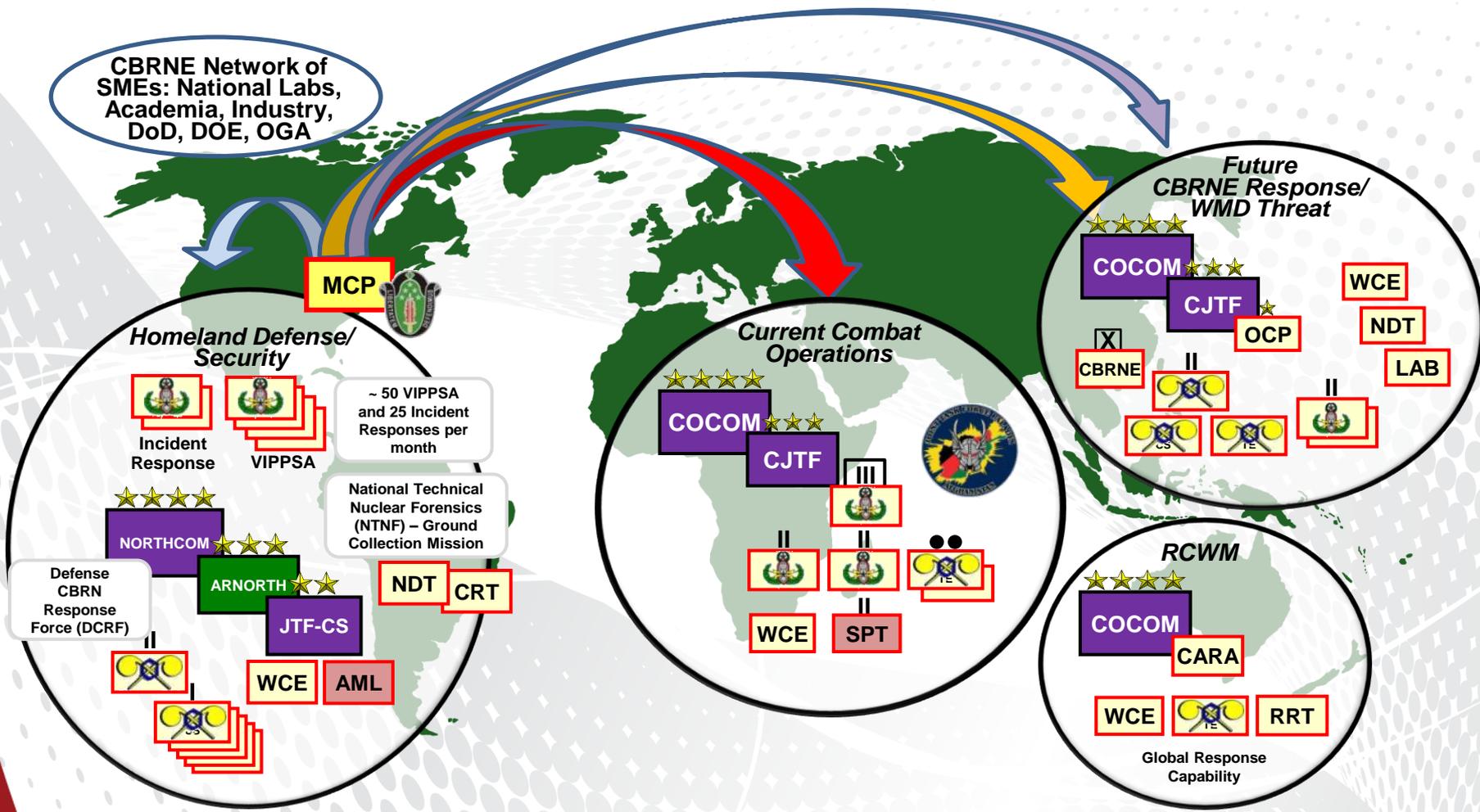


Command Footprint





Respond to Current & Future CBRNE Contingencies



CWMD Operations and Exercises



International Partnerships



Defense CBRN Response Force, EOD Incident Response, VIPPSA Vibrant Response, Prominent Hunt



Dedicated Interagency Support: FBI, USSS, and DOE

Dedicated EOD and CRT Support

Monthly SVTC

On-going Operational Planning
 Ulchi Freedom Guardian (UFG)
 Key Resolve (KR)
 Foal Eagle (FE)
 Warpath III



Task Force Paladin Contingency Planning
 Eager Lion (Jordan)
 Eagle Resolve (UAE)



Humanitarian Mine Actions
 Operation Odyssey Dawn

Partnership with Standing Joint Force HQ-Elimination



Standing Global Requirements

- ✓ Recovered Chemical Warfare Material
- ✓ National Technical Nuclear Forensics (Ground Collection Mission)
- ✓ Foreign Consequence Mgmt (PTDO)
- ✓ Global Response Force





Summary



- 24-7 focus on countering WMD, to include CBRN and Explosive ordnance hazards, and defeating IEDs
- Command and control Joint, Army, and other government agency's specialized CWMD, CBRN and EOD forces
- Advise supported commanders on the best employment of CBRN, EOD and CWMD capabilities
- Fuse operational and technical intelligence to focus targeting to locate, characterize and neutralize CBRN and Explosive ordnance threats
- Conduct presumptive and confirmatory analysis, render safe, escort, exploitation, elimination and remediation of CBRN and Explosive ordnance hazards

“Combating CBRN and Explosive ordnance threats and hazards for our Nation”



QUESTIONS?



Contact Us



**20th Support Command (CBRNE)
Public Affairs Office
410-436-6455**

Find us on the net!

www.cbrne.army.mil

www.army.mil/20thcbrne

www.facebook.com/20thsupportcommandcbrne

www.twitter.com/20thcbrne

www.flickr.com/20thcbrne

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www.vimeo.com/armycbrne

www.armycbrneblog.wordpress.com



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Program Executive Office
Assembled Chemical Weapons Alternatives

ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFINGS TO INDUSTRY



PROGRAM EXECUTIVE OFFICE ASSEMBLED CHEMICAL WEAPONS ALTERNATIVES

*Conrad Whyne
Program Executive Officer
Assembled Chemical Weapons Alternatives
December 6, 2012*



Program Executive Office
Assembled Chemical Weapons Alternatives

PEO ACWA Program Overview



1996



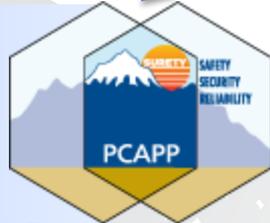
Research and demonstrate alternatives to incineration for assembled chemical weapons that meet the applicable safety and environmental requirements.

2003



Responsibility to manage the destruction of the Pueblo, Colorado and Blue Grass, Kentucky chemical weapons stockpiles if alternative technologies were chosen.

2002
Neutralization followed by biotreatment.



Pueblo Chemical Agent-Destruction Pilot Plant



Blue Grass Chemical Agent-Destruction Pilot Plant

2003
Neutralization followed by supercritical water oxidation.





Program Executive Office
Assembled Chemical Weapons Alternatives

Opportunities



TITLE: Public Outreach Services in Support of the Program Executive Office, Assembled Chemical Weapons Alternatives (ACWA)

CONTRACT TYPE: Cost Plus Fixed Fee

ESTIMATED VALUE: \$10,000,000

KEY MILESTONES:

- - Issue RFP: 4th Quarter, FY 2014
- - Forecast Award: 1st Quarter, FY 2015

CONTRACTING CONTACT: To Be Determined

SOLICITATION #: To Be Determined

“A Partnership for Safe Chemical Weapons Destruction”

www.peoacwa.army.mil

The forecast data is for planning purposes, does not represent a pre-solicitation synopsis, does not constitute an invitation for bid or request for proposal, and is not a commitment by the government to purchase the desired products and services.



Item or Service Description



Program Executive Office
Assembled Chemical Weapons Alternatives

- Provide support for public outreach and public involvement efforts at the program executive office at Aberdeen Proving Ground, MD and at project sites in Colorado and Kentucky. As an integrated government/contractor outreach team, promote public awareness of the program's mission and initiatives, ensure public understanding of technical issues associated with the chemical weapons destruction project, and proactively disseminate timely, accurate and objective information to
 - Stakeholder groups and the
 - General public, and solicit and
 - Record their feedback



CONNECT with ACWA



U.S. Army Element, Assembled Chemical Weapons Alternatives

www.peoacwa.army.mil







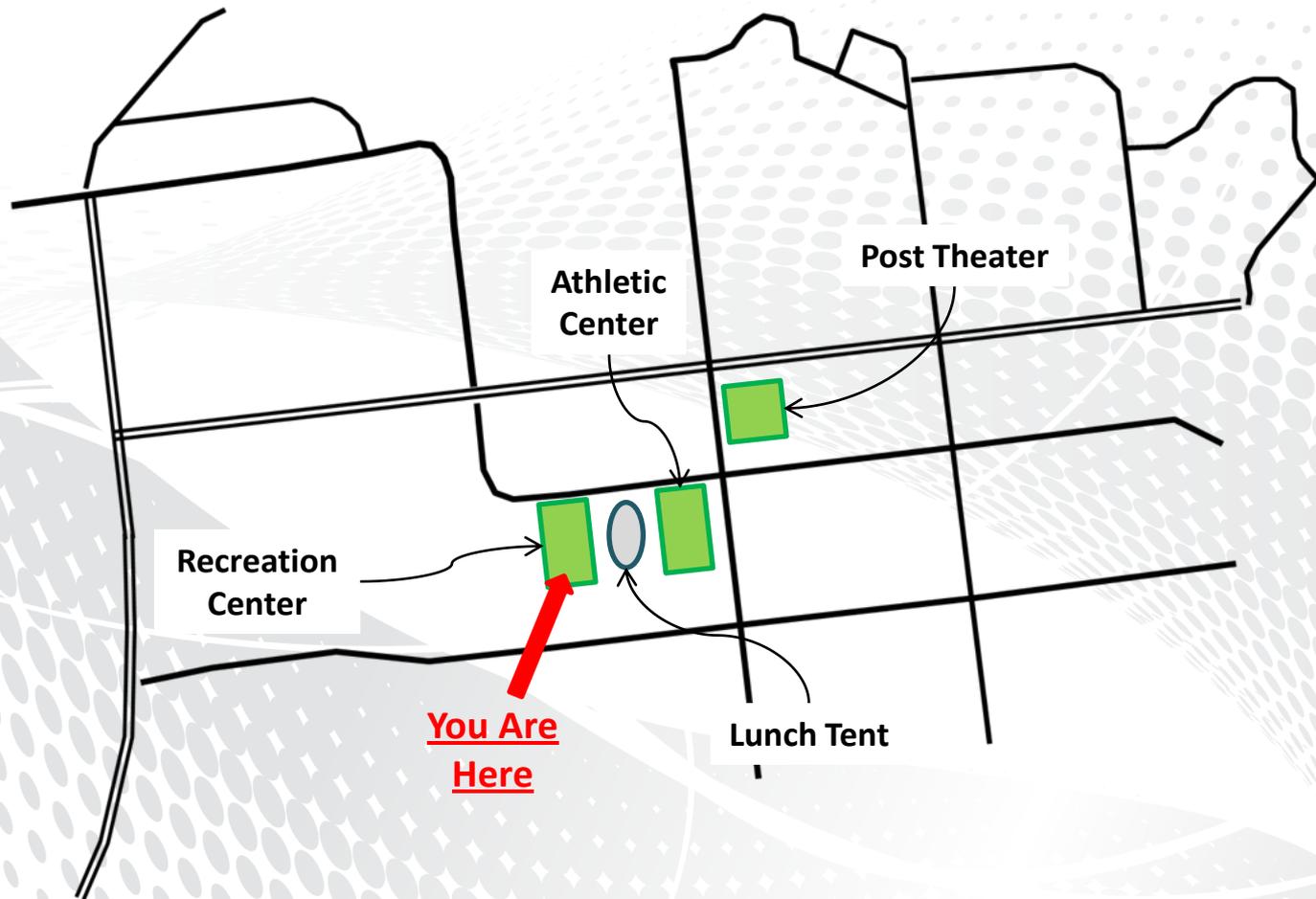


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QUESTIONS?

APBI Map of Locations



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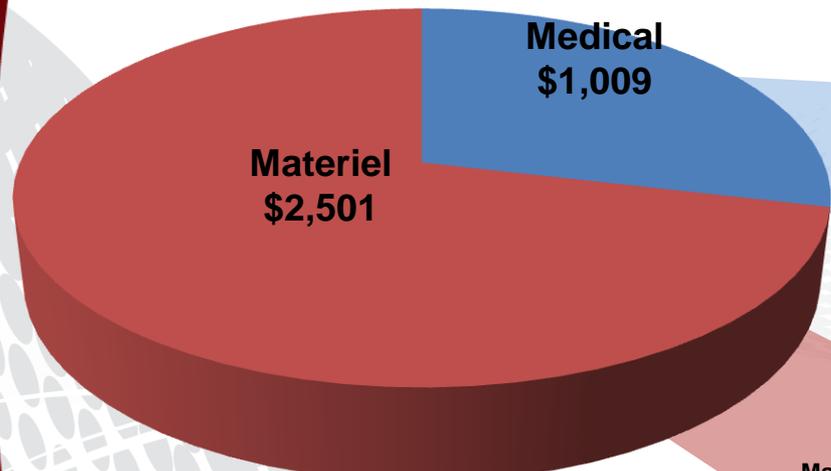


JOINT PROGRAM EXECUTIVE OFFICE FOR CHEMICAL AND BIOLOGICAL DEFENSE

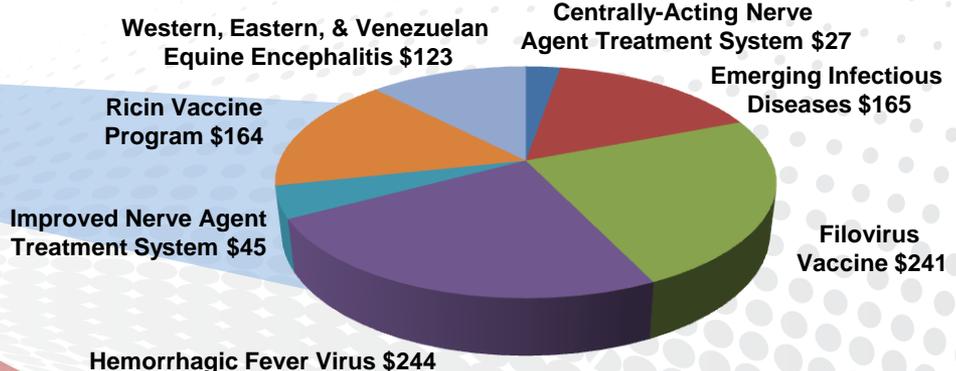
*Carmen Spencer, SES, USA
Joint Program Executive Officer for
Chemical and Biological Defense
December 6, 2012*



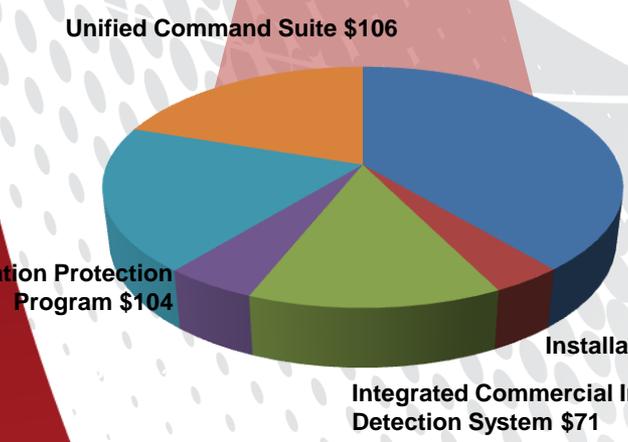
Planning Roll Up for Medical and Materiel Programs (FY13-18)



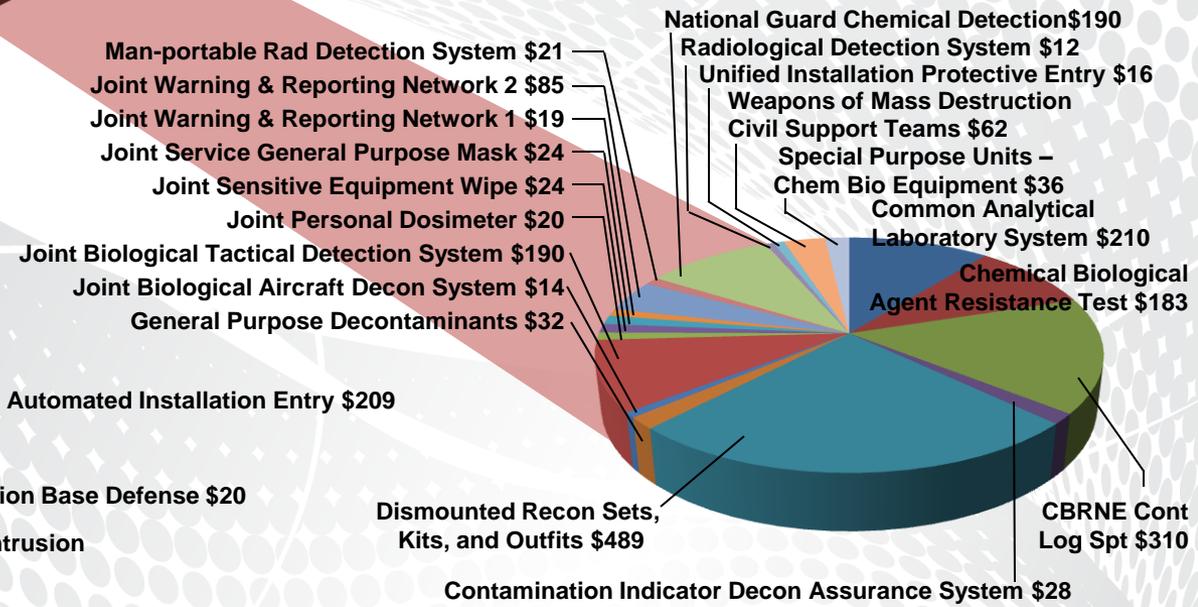
Medical Opportunities Chemical Biological Defense Program Fund (CBDP) (\$1,009M)



Materiel Opportunities Army Fund (\$536M)



Materiel Opportunities CBDP Fund (\$1,965M)



APBI Disclaimer

- While we are presenting our currently planned Business Opportunities, we recognize that these may change given our changing fiscal environment and the strategic guidance of the Department of the Defense
- New starts and increases to production levels in FY13 will be delayed until the Appropriations Bill has been passed





JPEO-CBDP Mission/Vision



Mission:

Provide Research, Development, Acquisition Fielding and Life Cycle Support of Chemical, Biological, Radiological and Nuclear Defense Equipment, Medical Countermeasures and Installation and Force Protection Integrated Capabilities Supporting the National Strategies.

Vision:

An Agile, Results-Oriented, and Transformational Acquisition Enterprise Delivering Net-Centric, Modular, Tailorable and Multi-Purpose Capabilities to the Nation.

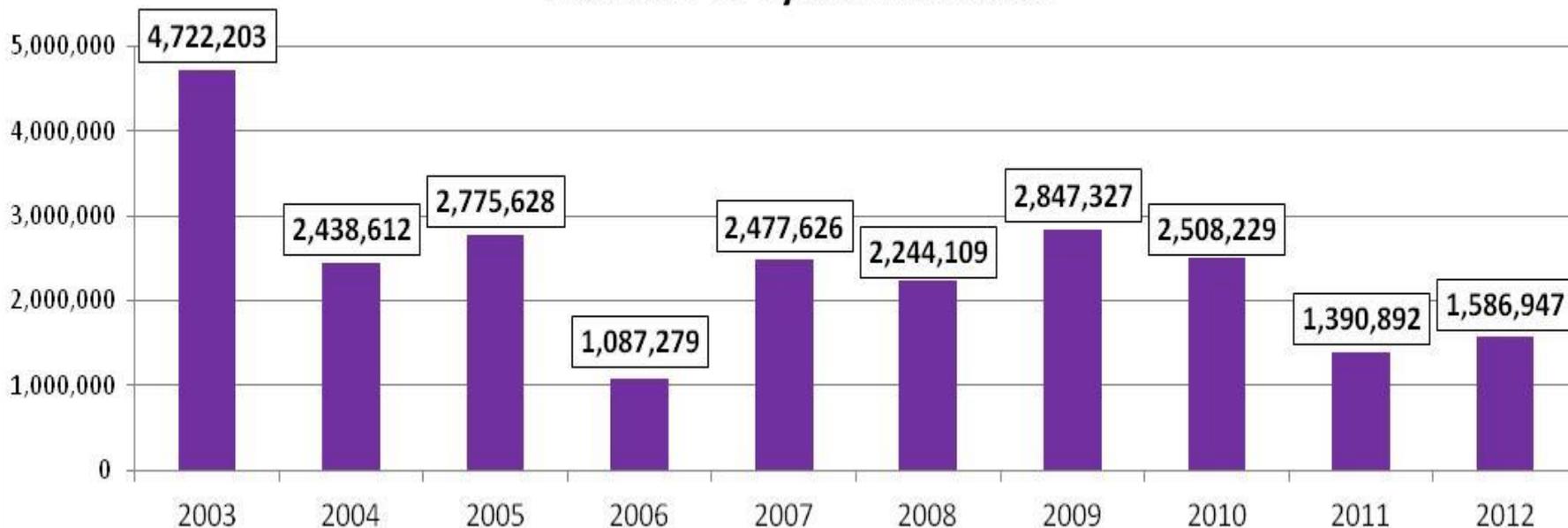
CBDP Areas of Responsibility



0008

Materiel Delivered Over The Years

Number of Systems Fielded



- Biological Detectors
- Chemical Detectors
- Bio-Medical Systems (Joint Biological Agent Identification & Diagnostic System (JBAIDS))
- Vaccines (Anthrax & Smallpox)
- Collective Protection
- Individual Protection Equipment

- Installation Protection Program
- Consequence Management Systems
- Decontamination (Equipment & Individual)
- Information Systems
- Force Protection Systems

Types of Equipment

Delivered Materiel Covers All Aspects of the CBRN-D Mission



OMNIBUS Contract



- Omnibus Program & Engineering Technical (OPETS)
 - Planning Value: \$495M over 5 years
 - Optimizes efficiencies (funding, schedule, contract management, program management and execution, and small business participation) across the JPEO-CBD Enterprise.
 - Indefinite Delivery Indefinite Quantity (IDIQ) consists of six domains: Logistics, Business & Analytical, Engineering & Technical, Information Technology, Medical, Acquisition
 - Contract Type: Firm Fixed Price (FFP)
 - Solicitation #: W911QY-12-R-0020



OMNIBUS Contract



- Key Milestones:
 - IDIQ Request For Proposal (RFP) Issued: 3QFY12 (30 MAY 12)
 - Source Selection Evaluation Board (SSEB) Oral Presentations: 4QFY12 (25 JUL-31 AUG 12)
 - Source Selection Authority (SSA) Briefed: 1QFY13 (21 NOV 12)
 - 70 IDIQ Awards Forecast: 1QFY13 (mid-late DEC 12)
 - Task Order RFPs Forecast: 2QFY13 (early-mid JAN 13)
 - 55+ Task Order Awards Forecast: 2QFY13 (early MAR 13)

 - Points of Contact:
 - PM, JOSEPH (Mike) STEVENS, 703-617-2440
 - Brenda Russell, 703-617-2495
 - ACC-APG, Tom Bouchard, 508-233-6185



Expanded JPEO-CBD Mission Areas



- Medical Countermeasures Initiative (MCM-I)
 - White House Directed Memo/Deputy Secretary of Defense Memo
 - Implements Executive intent for DoD capacity to respond faster and more effectively to biological threats / infectious disease
 - Advanced Development & Manufacturing (ADM) Facility: Dedicated Capability to Develop and Manufacture Medical Countermeasures
 - Part of National Response (Health and Human Services (HHS))



Expanded JPEO-CBD Mission Areas



- Medical Countermeasures Initiative
 - Planning Value: \$359M; 2 year base, 8 option years
 - Contract consists of Direct Labor, Subcontractors, and Equipment
 - Solicitation #: W911QY-11-R-0023
 - Contract Type: Cost Plus
 - Key Milestones
 - RFP Issued: August 2011
 - SSA Briefed: November 2012
 - Award Projected: 2QFY13
 - POC: Michael Abaie, 410.436.0819
 - ACC-APG: Tom Bouchard, 508.233.6185



Expanded JPEO-CBD Mission Areas



- Radiological/Nuclear Mission
 - Based on Quadrennial Defense Review, Army Acquisition Executive (AAE) Requested JPEO-CBD be designated JPEO-Chemical Biological Radiological Nuclear Defense (CBRND)/Defense Acquisition Executive (DAE) Endorsed Request and was Coordinated with CBDP stakeholders and services
 - JPEO-CBRND will assume the Life Cycle Management Acquisition Role for Rad/Nuc Defense; DoD Directive being Staffed within DOD

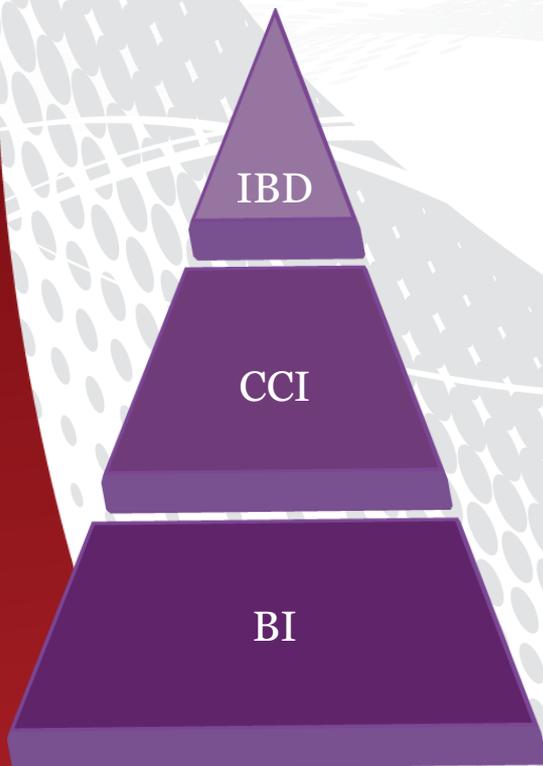


Expanded JPEO-CBD Mission Areas

- Global Countering Weapons of Mass Destruction Situational Awareness System (GCAS)
 - Based on AAE Memo dated 23 July 2012, JPEO-CBD was established as the Program Office
 - GCAS is being developed to provide enhanced situational awareness to better inform existing planning, operational, and knowledge sharing processes, as well as to identify gaps and areas for enhancement in both US and partner capabilities and capacities

Expanded JPEO-CBD Mission Areas

- Integrated Base Defense (IBD):
- IBD portfolio is a set of systems and design guidelines which enable a Commander to provide increasing levels of threat-based force protection for any size base or basing option, encompassing the detect, assess, warn, defend, and recover functional areas.



Part of Force Basing Portfolio:

- **Integrated Base Defense (IBD)** supports the mobile operation, base or installation functional elements of Detect, Assess, Warn, Defend and Recover (DAWDR).
- **Communications and computing infrastructure (CCI)** implements the capabilities of communications, enterprise information technology, network infrastructure and base mission command.
- **Base Infrastructure (BI)** implements the functional areas of base operations, logistics, services, facilities and infrastructure.



Joint Program Executive Office for Chemical and Biological Defense



Joint Project Manager Guardian (JPM-G)



JPM-G



- VISION

Be the Joint Guardian: Always present, never seen. A joint enabler preparing for the worst, poised to save lives and act decisively when the “unthinkable” occurs.

- MISSION

Provide integrated capability to vigilantly protect our homeland, deployed forces and coalition partners, to enable rapid response, mission execution and restore our way of life.

- IMPERATIVES

- CBRN focused. All Hazards capable to Prevent, Protect, Respond and Recover
- Plan, Equip and Train to support the Warfighter’s requirements to conduct Elimination, Interdiction, Passive Defense and Consequence Management



Upcoming Business Opportunities



PROGRAM	Planning Value (FY13-18)	Award
Common Analytical Laboratory System (CALs)	\$210M	3Q FY13
Unified Command Suite & Transportable Communications Package Advanced Echelon (ADVON)	\$106M	FY13-FY17
Installation Protection Integration Program (iP²) (Program under Emergency Management Modernization Program (EM2P))	\$104M	FY13/14
Automated Installation Entry (AIE)	\$209M	3Q FY13
Integrated Commercial Intrusion Detection System (ICIDS)	\$71M	FY15
Integrated Base Defense (IBD)	\$20M	FY13-FY15
Entry Control Point/Nonintrusive Inspection (ICP/NII)	\$26M	3Q FY13

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Upcoming Business Opportunities (continued)



PROGRAM	Planning Value (FY13-18)	Award
Analytical Laboratory System (ALS) (Program under Weapons of Mass Destruction Civil Support Teams (WMD CST))	\$62M	2Q FY13
Commercial Off The Shelf (COTS) Life Cycle Management Program	\$36M	1Q FY13
Containerized Weapon Systems (CWS)		3Q FY13
Defense CBRN Response Force (DCRF)		1Q FY13
Command and Control Chemical, Biological, Radiological, Nuclear Response Element (C2CRE)		FY 13/14

The forecast data is for planning purposes, does not represent a pre-solicitation synopsis, does not constitute an invitation for bid or request for proposal, and is not a commitment by the government to purchase the desired products and services.



Program Points of Contact



- Project Manager:
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- Technical Managers:
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- Dr. Jason R. McKenna, ERDC jason.r.mckenna@us.army.mil
- Mr. Robert M. Hesse III, ARDEC robert.m.hesse.civ@mail.mil
 - Mr. Tom Dickson, ACC-APG Thomas.a.dickson4.civ@mail.mil



Joint Program Executive Office for Chemical and Biological Defense



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



JPM-NBC CA



- **Vision**

- Equip and sustain the world's most capable, powerful, and respected Joint Forces with world class chemical and biological contamination avoidance products, capabilities, and services.

- **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.



Upcoming Business Opportunities



PROGRAM	Planning Value (FY13-18)	Award
Dismounted Reconnaissance Sets Kits and Outfits (DR SKO)	\$489M	FY13-FY16
CBRN & Explosives (CBRNE) Contractor Logistics Support	\$310M	3Q FY13
Joint Biological Tactical Detection System (JBTDS)	\$190M	4Q FY13
Next Generation Chemical Detector (NGCD)	\$190M	FY16-FY17
Chemical Biological Agent Resistance Test (CBART) (Program under the Product Director, Cross Commodity Advanced Threats and Test Infrastructure (PD CCAT&TI))	\$183M	4Q FY14

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Program Points of Contacts



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- **Tom Dickson, ACC-APG**
410-436-8621



Joint Program Executive Office for Chemical and Biological Defense



Joint Project Manager Protection (JPM-P)



Mission:

Develop, field, and sustain Chemical, Biological, Radiological, and Nuclear (CBRN) protection and hazard mitigation capabilities for the nation and facilitate integration of CBRN survivability into non-CBRN programs.

Vision:

Promote a creative and innovative workforce focused on acquiring capability to defend the nation against CBRN threats.



Upcoming Business Opportunities



PROGRAM	Planning Value (FY13-18)	Award
General Purpose Decontaminants (GPD) Competitive Prototyping II	\$32M	FY13
Joint Sensitive Equipment Wipe (JSEW) Competitive Prototyping II	\$24M	FY13
Contamination Indicator Decontamination Assurance System (CIDAS)	\$28M	FY13
Joint Biological Aircraft Decontamination System (JBADS)	\$14M	FY15
Future/Advanced Filtration	\$24M	FY14
Uniform Integrated Protection Ensemble (UIPE) Increment 2	\$16M	FY15/16

The forecast data is for planning purposes, does not represent a pre-solicitation synopsis, does not constitute an invitation for bid or request for proposal, and is not a commitment by the government to purchase the desired products and services.

Program Points of Contact

- **Joint Project Manager – Protection**

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- Mr. Chris Rok
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- **Deputy Joint Project Manager – Protection**

- Mr. Anthony Nicoletti
- (703) 617-2378
- anthony.nicoletti@navy.mil

- **Director, Test and Evaluation**

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- **Assistant Joint Project Manager (External Ops)**

- Mr. Victor Murphy
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- **ACC-APG**

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Joint Program Executive Office for Chemical and Biological Defense



Joint Project Manager Information Systems (JPM-IS)



JPM-IS Vision and Mission



Providing CBRN data and services to stakeholders across all levels of command, optimizing decision support, and shared situational awareness across DoD and HD.



Sensors and Systems



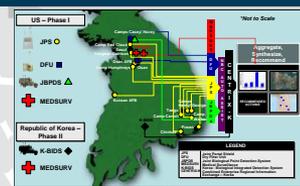
Warning, Reporting, and Dissemination of CBRN Information



Hazard Analysis and Predictions



Biosurveillance Portal



Common Enterprise Standards, Protocols, Information Assurance, Architecture

Enterprise solutions supporting collection, analysis, and dissemination of actionable CBRN information.



Upcoming Business Opportunities



PROGRAM	Planning Value (FY13-18)	Award
Joint Warning and Reporting Network (JWARN) Increment 1	\$19M	1Q FY14
JWARN Increment 2	\$85M	1Q FY 14

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Program Points of Contact



- Mr. Scott White, JPM IS
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Joint Program Executive Office for Chemical and Biological Defense



Joint Project Manager Transformational Medical Technologies (JPM-TMT)



JPM-TMT

Mission

Provide the Warfighter and the Nation with innovative medical solutions to protect against and treat emerging, genetically engineered, or unknown biothreats



Transformational Medical Technologies

Chartered and entered advanced development within the JPEO-CBD in September 2010



Facilitates the advanced development and procurement of broad-spectrum medical countermeasures (MCM), rapidly adaptable platform technologies, and innovative capability systems



Upcoming Business Opportunities



PROGRAM	Planning Value (FY13-18)	Award
Hemorrhagic Fever Virus (HFV) Class	\$244M	FY14/16
Emerging Infectious Diseases	\$165M	FY14/16

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Program Points of Contacts



- **Mr David E. Hough**
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- **Incoming LTC Eric Midboe (9 Apr 13)**
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ACC-APG
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Joint Program Executive Office for Chemical and Biological Defense



Joint Project Manager Medical Countermeasures Advanced Development and Manufacturing (JPM-MCM ADM)



JPM-MCM ADM



- **Mission**

Develop a National Capability and Capacity to Develop and Produce MCMs Rapidly to Counter Known or Unknown CBRN Threats, including Novel and Previously Unrecognized, Naturally-occurring Emerging Infectious Diseases.

- **Vision**

A Dedicated, Cost-effective, and Domestic Capability that Provides Flexible, Adaptive, and Scalable Advanced Development and a Transformational Manufacturing Center of Excellence.



Transform Medical Countermeasure (MCM) Product Development



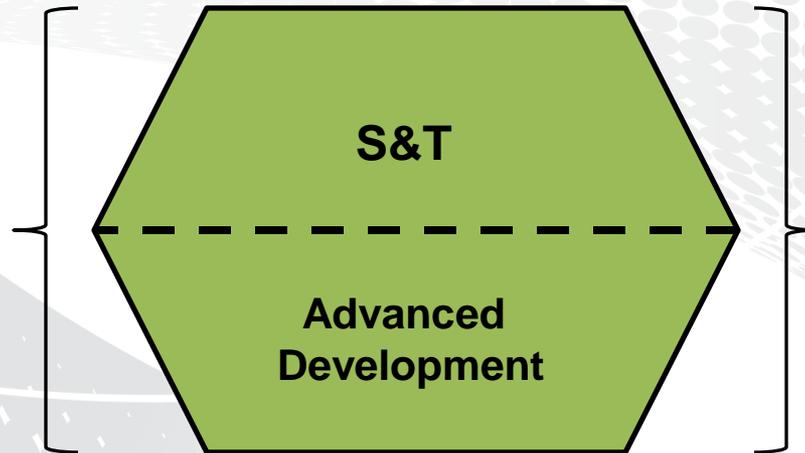
Dedicated resource available for all future MCM contracts

Two Manufacturing Suites Suitable for:

- S&T Manufacturing
- Clinical Trial Manufacturing
- Warm-base Manufacturing
- Surge and horizontal scale-up capability

MCM Candidates

MCM Candidates



MCM ADM Capabilities:

- Pre-clinical studies
- Contract Research Organization
- Contract Manufacturing Organization
- Test & Evaluation
- Fill and Finish
- Regulatory Science
- Training

Deliver only FDA-approved MCMs



Upcoming Business Opportunities



- JPM-MCM ADM has no immediate industry opportunities due to source selection process
- In source selection
- Contract type: Cost Plus Fixed Fee (CPFF)
 - Two year base period to establish, commission, and validate the MCM
 - Four (4) two year options to maintain the ADM in a steady state to support the advanced development and manufacturing of medical products in the pipeline



Program Points of Contact



Joint Project Manager – MCM ADM

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ACC-APG

Tom Bouchard

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Joint Program Executive Office for Chemical and Biological Defense



Joint Project Manager Chemical Biological Medical Systems (JPM-CBMS)

Chemical Biological Medical Systems Vision & Mission

Our Vision is a U.S. military force that is fully sustained to fight and win in any CBRN battlespace worldwide.



Deliver safe, effective and robust medical products that protect U.S. forces against validated CBRN threats. We apply government and industry best practices to develop or acquire FDA-approved products within rigorously managed cost, schedule and performance constraints.



Upcoming Business Opportunities



PROGRAM	Planning Value (FY13-18)	Award
Filovirus Vaccine (FILO VAC) Program	\$241M	FY13-15
Ricin Vaccine Program	\$164M	FY13-16
Western, Eastern, & Venezuelan Equine Encephalitis (WEVEE) Vaccine Program	\$123M	FY13-16
Centrally Acting Nerve Agent Treatment System (CANATS)	\$27M	FY14-15
Improved Nerve Agent Treatment Systems (INATS)	\$45M	FY14-FY19

The forecast data is for planning purposes, does not represent a pre-solicitation synopsis, does not constitute an invitation for bid or request for proposal, and is not a commitment by the government to purchase the desired products and services.



Program Points of Contact



- **Joint Project Manager, Chemical Biological Medical Systems**
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- **Deputy Joint Project Manager, Chemical Biological Medical Systems**
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 - Tom Bouchard
 - 508-233-6185

CBMS Medical CBRN Broad Agency Announcement: <http://www.smdc.army.mil/2008/CAMO-BAA.asp>
Defense Acquisition University: <http://www.dau.mil>



Joint Program Executive Office for Chemical and Biological Defense



Joint Project Manager Radiological and Nuclear Defense (Provisional) (JPM-RN (P))



JPEO-CBD Mission Statement



Provide Research, Development, Acquisition Fielding and Life Cycle Support of Chemical, Biological, Radiological and Nuclear Defense Equipment, Medical Countermeasures and Installation and Force Protection Integrated Capabilities Supporting the National Strategies.



Upcoming Business Opportunities



PROGRAM	Planning Value (FY13-18)	Award
Radiological Detection System (RDS)	\$12M*	To Be Determined (TBD)
Man-portable Radiological Detection System (MRDS)	\$21M*	TBD
Joint Personal Dosimeter (JPD)	\$20M*	TBD

***Funding is not approved in the Program Objective Memorandum (POM)**



Program Point of Contact



- Provisional Joint Project Manager: alan.r.burket.civ@mail.mil
443-655-8608
- ACC-APG: Tom Bouchard
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JOINT PROGRAM EXECUTIVE OFFICE FOR CHEMICAL AND BIOLOGICAL DEFENSE

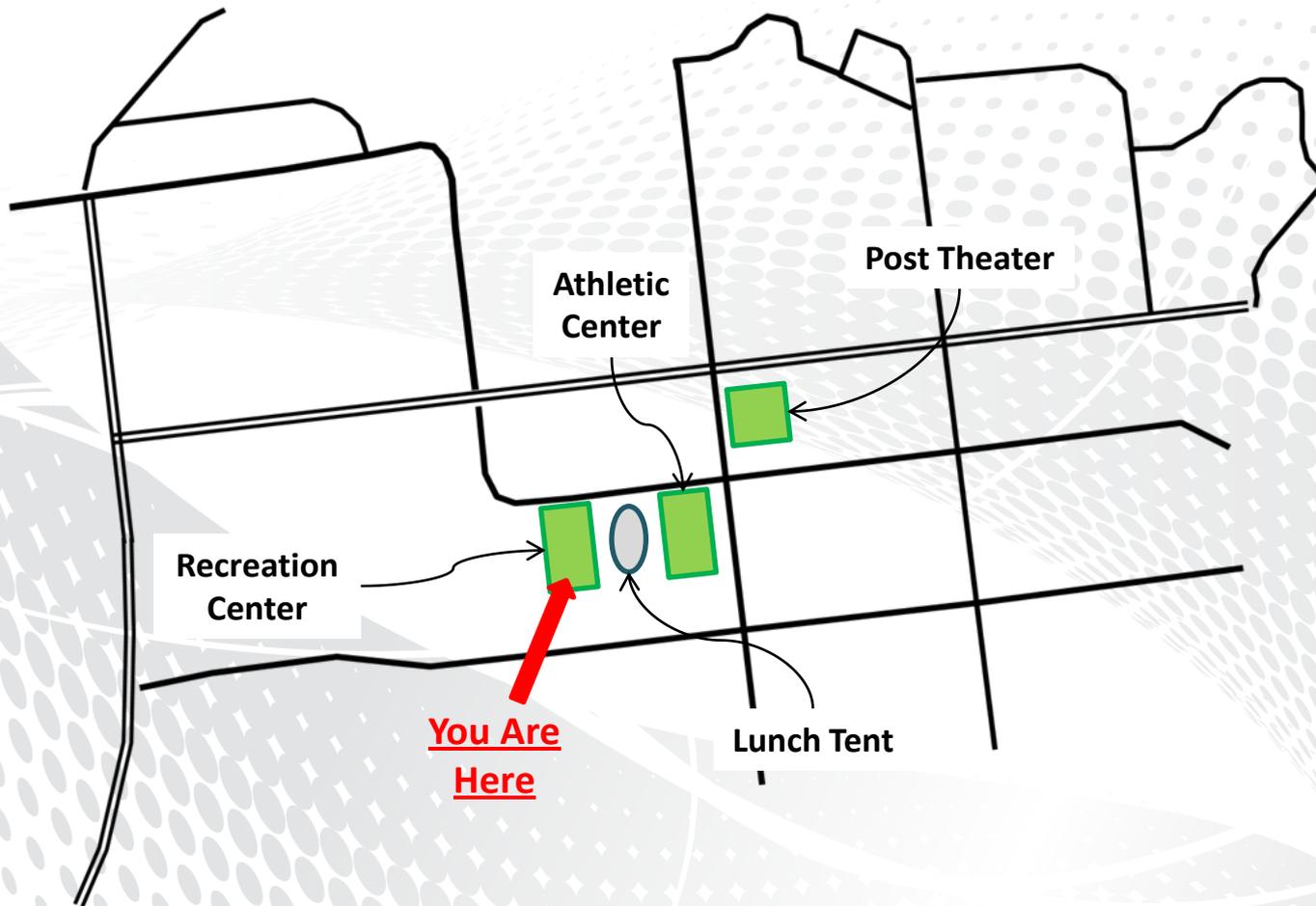


QUESTIONS?

APG- WHERE INNOVATION AND IMAGINATION PROTECT, ENABLE AND SUSTAIN OUR NATION'S WARFIGHTER TODAY AND TOMORROW



APBI Map of Locations



TEAMING FOR TOMORROW



**WELCOME TO THE 1ST ANNUAL
JOINT TEAM APG**

**ADVANCED PLANNING BRIEFING
FOR
INDUSTRY (APBI)**

4-6 DECEMBER 2012



US ARMY MEDICAL RESEARCH INSTITUTE OF CHEMICAL DEFENSE (USAMRICD)

COL Bruce Schoneboom, PhD, CRNA, FAAN

*US Army Medical Research Institute of
Chemical Defense (USAMRICD)*

December 6, 2012



OVERVIEW



- **History**
- **Mission and Vision**
- **Research Programs**
- **Education**
- **Consultation**
- **Facilities**
- **Human Capital Development**
- **Contracting Opportunities**
- **Patents Available for Licensing**



USAMRICD HISTORY



- **Established in 1922, to treat casualties of chemical weapons during World War I**
 - **Part of the US Army Medical Department**
- **1960s, renamed US Army Biomedical Laboratory**
- **1979 – placed under the command of the US Army Surgeon General**
- **1981 – became US Army Medical Institute of Chemical Defense**
 - **Dedicated to advancing treatments to alleviate the suffering caused by chemical weapons and development of new materials to aid in those treatments**



MISSION AND VISION



Mission

- Discover and develop medical products and knowledge solutions against chemical threats via research, education & training, and consultation.

Vision

- To strengthen our nation and the world by rendering chemical threats medically harmless.



USAMRIID – A unique national resource



- **Unique medical chemical defense mission and organization**
- **Internationally recognized expertise in medical chemical defense**
- **Chemical safety/surety/security/intel programs**
- **Only Institute to license a product through the FDA under the “animal rule” (pyridostigmine bromide)**
- **Co-location with other CBRN partners at Edgewood**
- **Well established collaborative efforts with academia, industry, other federal agencies, and international partners**



Populations at Risk



- **Primary mission – war fighter: healthy, physically fit; 18-45 yr**
- **First Responders**
- **Civilian Communities**
 - Geriatric
 - Pediatric
 - Sensitive population groups





RESEARCH PROGRAMS

APG- WHERE INNOVATION AND IMAGINATION PROTECT, ENABLE AND SUSTAIN OUR NATION'S WARFIGHTER TODAY AND TOMORROW



Scientific Program Board of Advisors (PBA)



STRATEGY

OPERATIONAL SUPPORT

SCIENCE OVERVIEW/ REPORTING

Director of Research

Research Program Manager

Emerging Threats Coordinator

Research Program Areas

Analytical
-Diagnostics
-ADME
-Forensics

Nerve Agent Countermeasures
-Reactivators
-Neuroprotectants
-Anti-convulsants
-Pretreatments

Agent Mitigation
-Bioscavengers
-Decontamination

Educational Products

Toxicants
-Cyanide Intervention
-TIC Intervention
-BoNT Intervention
-HD Intervention
-Classified Agent Intervention
-Pulmonary Protection

Analytical



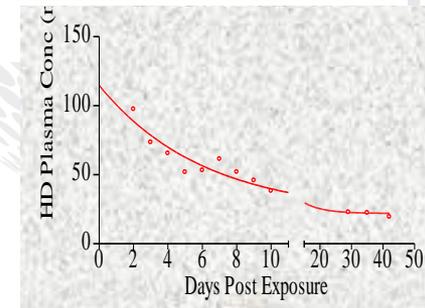
Objective:

Diagnostics/Forensics:

Develop and implement analytical methods for human verification of exposure to chemical threat agents using detection of biomarkers or parent agent.

ADME:

Study and elucidation of absorption, distribution, metabolism and excretion of countermeasures against chemical and biological threat agents as well as novel chemical threats using in vitro and in vivo models.



Areas of Concentration

- **Development of Analytical Methods**
- **ADME support for**
 - **Medical Chemical Defense**
 - **Medical Biological Defense**

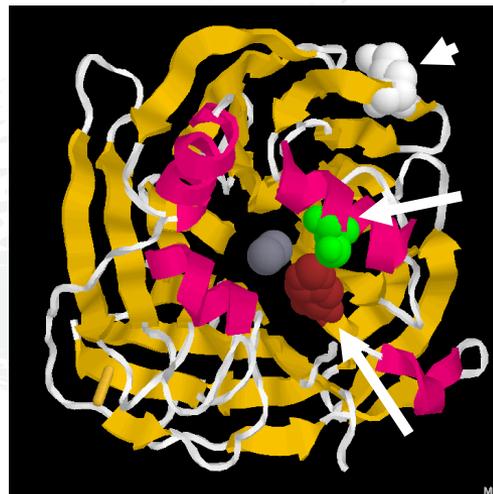


Agent Mitigation



Objective:

Research into approaches that mitigate the medical consequences of exposure to chemical threats by removing or detoxifying them *in vivo*.



A ribbon diagram of PON1 with arrows pointing to residues 214 (top), 193 (middle) and 115 (bottom), which have been mutated to study their respective roles in catalytic activity.

Areas of Concentration

- **Bioscavenger:** "Efforts to develop and characterize proteins or other compounds that can bind or catalyze the hydrolysis of OP nerve agents *in vivo*."
- **Decontamination:** "Develop and evaluate methods and materials for detoxification or removal of chemical threats from biological matrices."



Nerve Agent Countermeasures

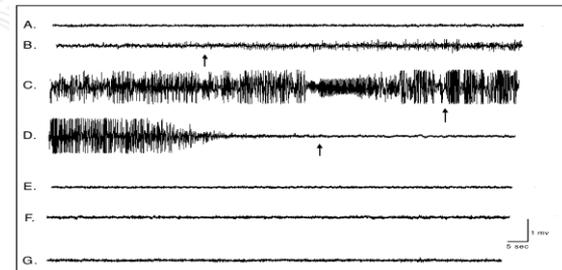
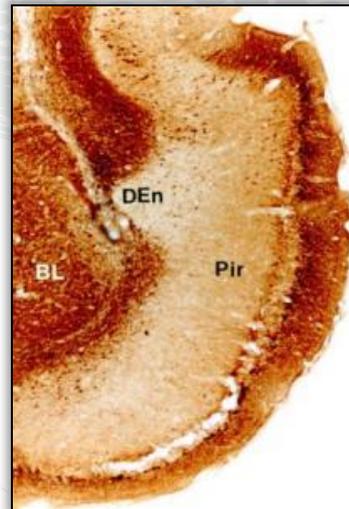


Objective:

To eliminate or mitigate the acute and long-term toxic manifestations of nerve agent (NA) exposures of military and civilian populations at risk.

Areas of Concentration

- Reactivators
- Neuroprotectants
- Anti-convulsants
- Pretreatments





Toxicants



Objective:

To discover and develop medical countermeasures and knowledge solutions against non-nerve agent chemical threats.



Areas of Concentration

- **Toxic Industrial Chemicals** (Pulmonary Toxicant Gases)
- **Cyanide and Other Metabolic Poisons**
- **Sulfur Mustard**
- **Agents of Biological Origin** (including BoNT)



Programs and Fielded Products



MANAA
Cyanide Treatment Kit
Decontaminable Litter
Chemical Warfare Patient Wrap



TestMate® Cholinesterase Kit

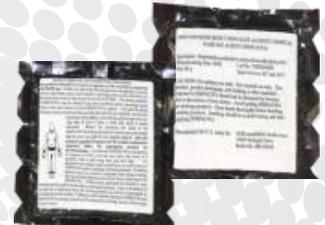
Chemical Casualty Care
Reference Material



M291 Decontaminating Kit



Nerve Agent Antidote Kit



SERPACWA



Pyridostigmine



Convulsant Antidote Nerve Agent



Multichambered
Autoinjector

Medical Management of Chemical and
Biological Casualties Course



Hospital Management of Chemical, Biological,
Radiological, Nuclear & Explosive Incidents



Field Management of Chemical and
Biological Casualties Course



Products in Advanced Development Supported by USAMRICD

- Advanced Anticonvulsant System (AAS)
- Bioscavenger (BSCAV)
- Improved Nerve Agent Treatment System (INATS)
- Soman Nerve Agent Pretreatment, Pyridostigmine (SNAPP)





Education/Training



Education/Training



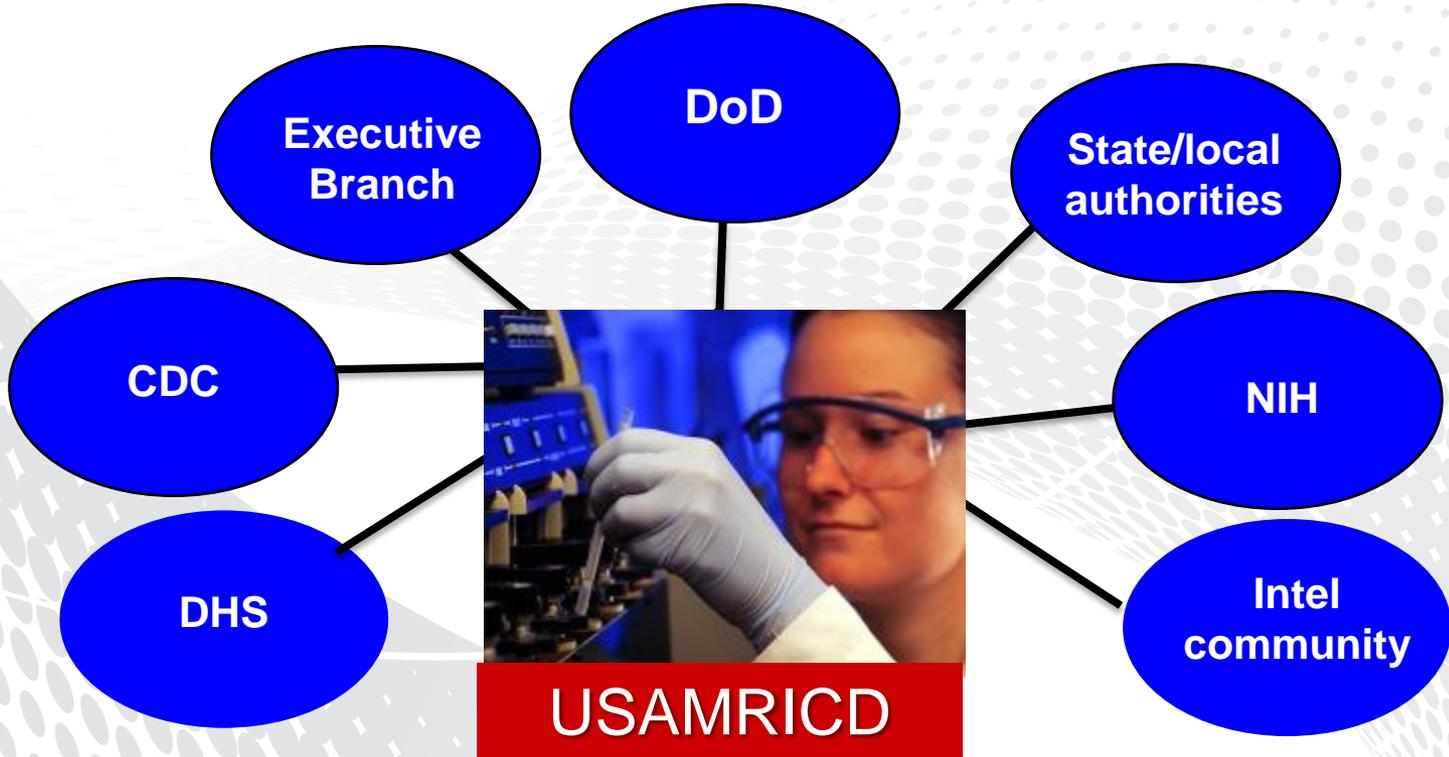
- **MCBC** - Medical Management of Chemical and Biological Casualties
- **FCBC** - Field Management of Chemical and Biological Casualties
- **HM-CBRNE** - Hospital Management of Chemical, Biological, Radiological, Nuclear, and Explosive Incidents
- **Off Site Courses**
- **Webinars**





Consultation Mission

Federal Interagency Collaboration



Complementary programs contributing to the Nation's defense against chemical threats



Unique Facilities



Chemical Surety Materiel Laboratory (unique to DOD)



Chemical Casualty Care Training Facility



**Animal Facility
(veterinary surgery, necropsy)**



**NMR, EPR, HPLC, GC/MS,
LC/MS/MS, MALDI/TOF/TOF**



Collaborative Research Facility



Recapitalization - 2014



- \$280M
- 526,000 sq. ft. total **(75% ↑)**
- 50,000 sq. ft. animal holding **(43% ↑)**
- 24 acres **(140% ↑)**
- 395 person capacity **(22% ↑)**





Human Capital Development



- **Improve Marketing Process to attract quality personnel to USAMRICD**
 - **Issue:**
 - 18% of our general workforce is eligible to retire now
 - 34% of the current Ph.D. scientific workforce at the USAMRICD is eligible to retire now
 - **Focus:**
 - New employees to be recruited and hired to replace those that are lost through retirement
 - **Impact:**
 - Sustain intellectual capital



Human Capital Development



MRICD's work force of over 300 people is a mix of civilian, military, contractor and post-doctoral level scientists

With research expertise in:

- Biochemistry
- Toxicology
- Pharmacology
- Immunology
- Neuroscience
- Molecular Biology
- Analytical Chemistry
- Pathology
- Experimental Psychology
- Veterinary Science

With administrative expertise in:

- Budget management
- Program management
- Facilities Maintenance
- Safety/surety
- Administrative support
- Logistics
- Security
- Consultation Services



CONTRACTING OPPORTUNITIES

APG- WHERE INNOVATION AND IMAGINATION PROTECT, ENABLE AND SUSTAIN OUR NATION'S WARFIGHTER TODAY AND TOMORROW



Types of Contracts

- **Research Collaborations**
- **Other Research Opportunities**



Research Collaborations



- **Outside entities have the capability to have medical chemical defense research conducted at the MRICD**
- **Cooperative Research and Development Agreements (CRADAs)**
- **MRICD currently supports a \$1.2 M collaborative research program**
- **Contact**
 - **Dr. James Dillman, (410) 436-3277, james.dillman@us.army.mil**



Research Collaborations



- **Academia**
- **Private industry**
- **Other government agencies**
 - National
 - International



Other Research Opportunities



- **Outside entities can apply for research grants through several mechanisms**
 - **Small Business Innovation Research (SBIR)**
 - **Broad Agency Announcements (BAA)**
 - **National Institutes of Health, CounterACT Program**



Small Business Innovation Research (SBIR)



- **Administered by the U.S. Small Business Administration Office of Technology**
- **Ensures that the nation's small, high-tech, innovative businesses are a significant part of the federal government's research and development efforts**



Small Business Innovation Research (SBIR)



- Each year, several topics are authored by MRICD scientists to supplement their research programs
- Contact:
 - J.R. Myers, (301) 619-7377, james.myers@amedd.army.mil
 - www.sbir.com



Defense Threat Reduction Agency



- **Conducts basic and applied research aimed at the discovery and/or identification of better therapeutic and diagnostic medical countermeasures against chemical threat agents and toxins**
- **Overarching goal of this research program is to enhance diagnostic and treatment response capabilities on the battlefield**
- **Geared toward protecting the military population**



Defense Threat Reduction Agency



- **CWA exposures and other collaborative efforts can be conducted at the MRICD in support of these grants**
- **Contact:**
 - **Dr. Kristen Herring, (703) 767-6129, kristen.herring@dtra.mil**
 - **<http://www.dtra.mil/Missions/ChemicalBiologicalDefense/ChemicalBiologicalDefenseHome.aspx>**



National Institutes of Health CounterACT Program



- **Countermeasures Against Chemical Threats (CounterACT)**
- **Conducts basic, translational, and clinical research aimed at the discovery and/or identification of better therapeutic and diagnostic medical countermeasures against chemical threat agents**
- **Overarching goal of this research program is to enhance diagnostic and treatment response capabilities during an emergency**
- **Geared toward protecting the civilian population**



National Institutes of Health CounterACT Program



- **CWA exposures and other collaborative efforts can be conducted at the MRICD in support of these grants**
- **Contact:**
 - **Dr. David Jett, (301) 496-6035, jettd@ninds.nih.gov**
 - **http://www.ninds.nih.gov/research/counterterrorism/counterACT_home.htm**



Broad Agency Announcements (BAA)



- Grant opportunities are available at the following websites:
 - <http://www.grants.gov>
 - http://www.usamraa.army.mil/pages/Baa_Paa/baa_choice.cfm
- CWA exposures and other collaborative efforts can be conducted at the MRICD in support of these grants



Patents Available for Licensing



- **Site-Directed Mutagenesis of Esterases.** Broomfield, Clarence A., Millard, Charles B., Lockridge, Oksana. US Patent Number 6,001,625, issued 14 December 1999.
- **Active Topical Skin Protectants Using Reactive Nanoparticles.** Hobson, Stephen T., Braue, Ernest H., Jr., Lehnert, Erich K., Klabunde, Kenneth J., Koper, Olga P., Decker, Shawn. Patent Number 6,403,653 issued, 11 June 2002.
- **Active Topical Skin Protectants Using Polymer Coated Metal Alloys.** Hobson, Stephen T., Braue, Ernest H, Jr., Back, Dwight. Patent Number 6,437,005, issued 20 August 2002.
- **Active Topical Skin Protectants.** Braue, Ernest H, Jr., Hobson, Stephen T., Lehnert, Erich K. Patent Number 6,472,437, issued 29 October 2002.
- **Method for Self-Detection of Pupillary Response.** Petrali, John P. Patent Number 6,637,885, issued 28 October 2003.
- **Compositions and Methods for Reducing Blood and Fluid Loss from Open Wounds.**



Patents Available for Licensing



- **Chemical agent decontamination composition comprising a perfluorinated alkyl bromide.** Johnston, D; Platoff, G; Baskin, S; Logan, T. US Patent Number 7,371,714, issued 13 May 2008.
- **Compositions & Methods for Reducing Blood & Fluid Loss from Open Wounds.** Mershon, Millard M., 7,303,759, issued 4 December 2007.
- **Method of Treating Organophosphorous Poisoning.** Adler, M.; Albuquerque, E.; Pereira, E., 7,888,346, issued 15 February 2011.
- **Active Topical Skin Protectants Using Amines, Polyalkenimines and Derivatives.** Braue, E.; Hobson, S.; Boecker, J.; Smith, B., 7,976,832, issued 12 July 2011.

Contact:

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USAMRICD

United States Army Medical Research Institute of Chemical Defense

— Protect — Project — Sustain —



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Contact Info

 **Research**

 **Consultation**

 **Education**

 **Collaboration**

 **Strategic Vision**



Research for the Warfighter

Welcome to the United States Army Medical Research Institute of Chemical Defense (USAMRICD) the nation's leading science and technology laboratory in the area of medical chemical countermeasures research and development. With sophisticated laboratories located at Aberdeen Proving Ground, Maryland, USAMRICD manages a diversified portfolio of medical chemical warfare agent research projects for the Department of Defense and other Federal Agencies. Our strategic plan relies on the continued outstanding performance of our scientists and support personnel and their abilities to exceed expectations on customer directed research projects.



Hospital Management of Chemical, Biological, Radiological, Nuclear & Explosives Incidents Course

Related Information

[Vision, Mission and Goals](#)

[Reserve Sidell Conference Room](#)

[COE Bioscavenger](#)

[The Journal of Medical Chemical Defense](#)



US Army Medical Research Institute of Chemical Defense (USAMRICD)

Contact:

**Commander
USAMRICD**

3100 Ricketts Point Road

Aberdeen Proving Ground, MD 21010-5400

<http://usamricd.apgea.army.mil>

www.facebook.com

410-436-3276



QUESTIONS?

TEAMING FOR TOMORROW



**WELCOME TO THE 1ST ANNUAL
JOINT TEAM APG**

**ADVANCED PLANNING BRIEFING
FOR
INDUSTRY (APBI)**

4-6 DECEMBER 2012

U.S. ARMY PUBLIC HEALTH COMMAND

*Mr. John Resta
Director, Army Institute of Public Health
Deputy to the Commander for Public Health*

Vision

World-Class Provider of Public Health Services across DA and DoD.

Mission

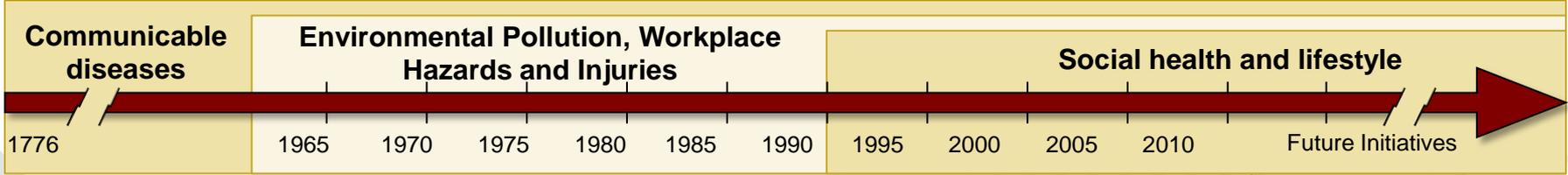
Promote health and prevent disease, injury, and disability of Soldiers and military retirees, their Families, and DA Civilian employees; assure effective execution of full spectrum veterinary services for Army and DoD Veterinary missions.



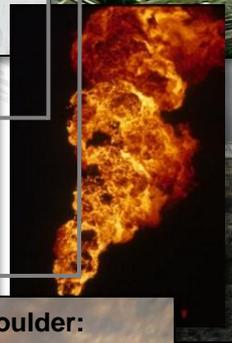
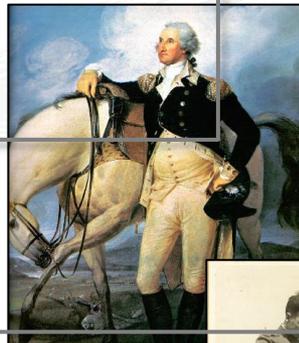
Why do we need Public Health?



DEDICATED 1917 SERVICE



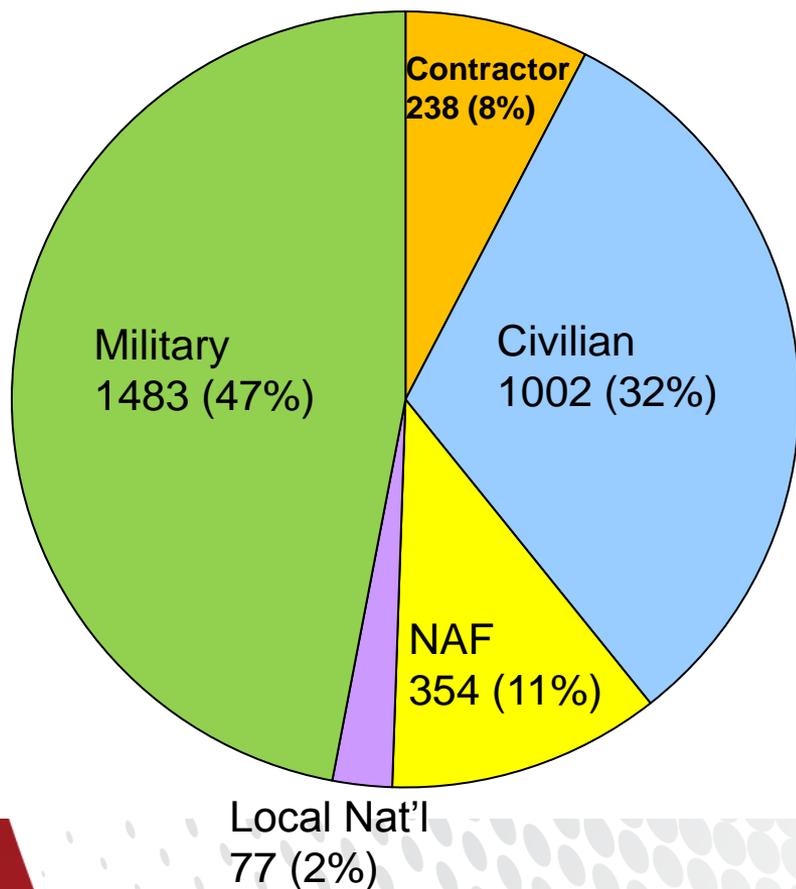
- 1776** - General Washington vaccinates the Continental Army against smallpox
- 1982** - The Armed Forces Pest Management Board recommends the use of permethrin as a military clothing treatment.
- 2001** - U.S. Army Center for Health Promotion and Preventive Medicine responds to 9-11 incident at Pentagon and to anthrax at Federal post offices and Hart Senate Office Building
- 2009** - Ft Hood shooting and Behavioral Health Epidemiological Consultations
- 2010** - Gulf of Mexico Oil spill. Investigated dispersant and hydrocarbon levels in seafood
- 2011** - Public Health Command created
- 2011** - Public Health Command response to Japanese earthquake
- 2011** - National Prevention Strategy signed by the President of the United States



**Shoulder-To-Shoulder:
"No Soldier Stands Alone"**



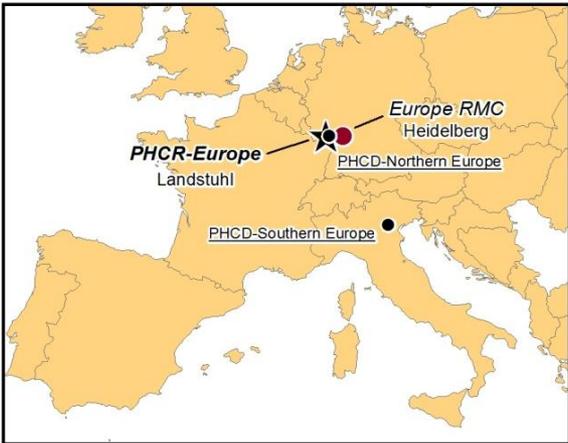
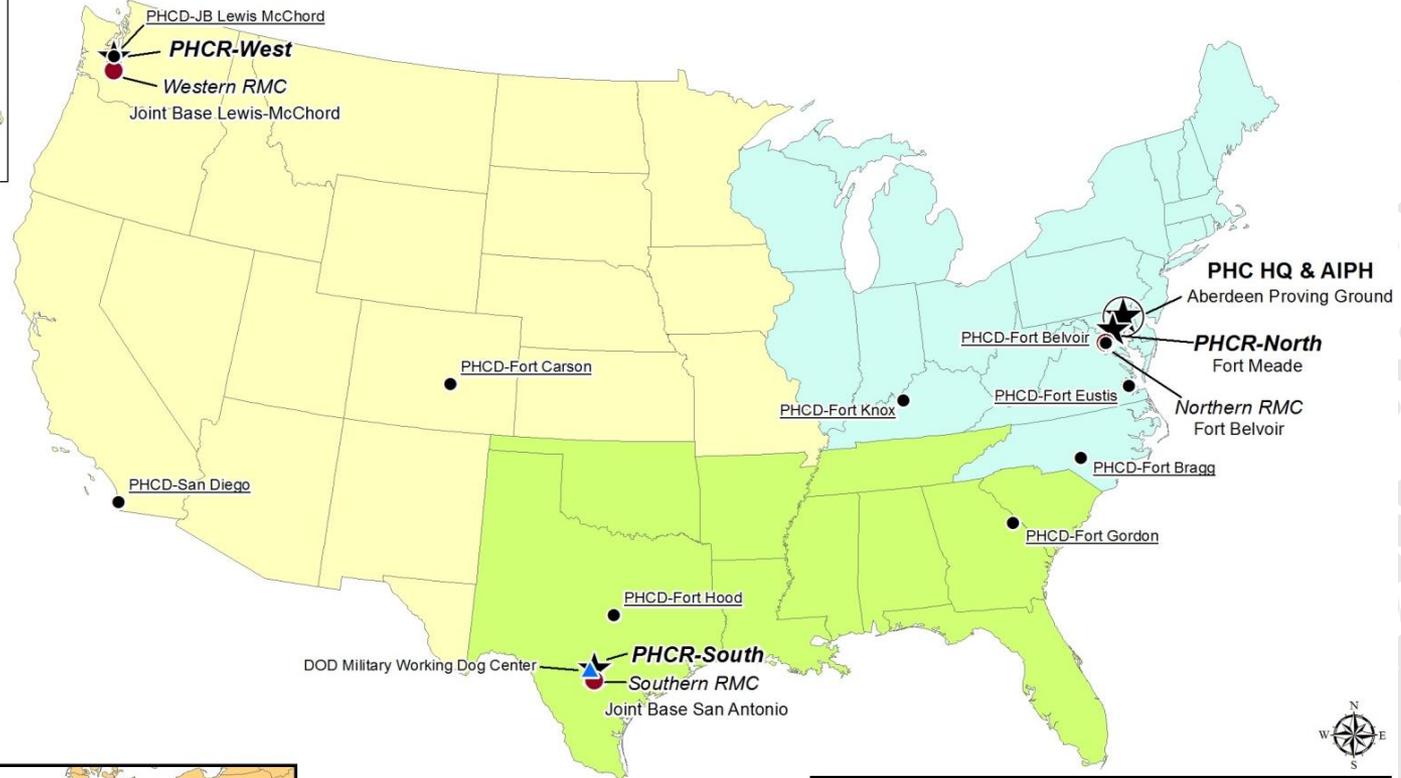
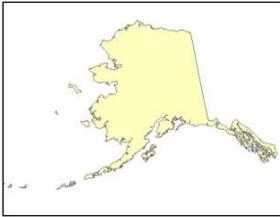
Personnel as of Jul 2012
(3,154)



Budget

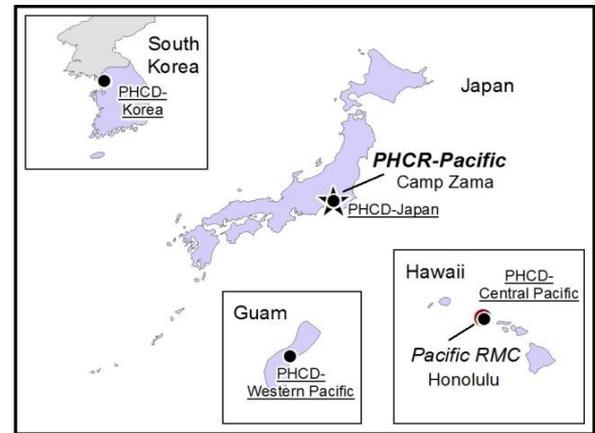
FY11 Executed	\$ (million)
DHP	\$ 135.0
Reimb.	\$ 20.5
OCO	\$ 13.5
FY12 Planned	\$ (million)
DHP	\$ 176.1
Reimb.	\$ 13.1
OCO	\$ 16.1

USAPHC Subordinate Commands



- ▲ Subordinate PHC Elements
- PHC Districts
- Regional Medical Command
- ★ PHC Region
- ★ PHC HQ & AIPH
- PHCR-North AOR
- PHCR-South AOR
- PHCR-West AOR

Prepared by USAPHC GIS Branch
 (800) 222-9698
 Last update: Jan 2012



Breadth of Knowledge

Laboratory Animal Veterinarian Sanitary Engineer Statistician Veterinary Pathologist Nuclear Medical Science Officer
 Occupational Health Nurse Health Physicist Geologist Chemist Safety and Occupational Health Specialist
 Animal Care Specialist Audiologist Chaplain Medical Laboratory Specialist
 Meteorologist Psychologist Ergonomist Fire Protection Engineer
 Entomologist Physicist Dietitian Acoustical Engineer
 Safety Engineer Physiologist Wildlife Biologist
 Medical Officer Dental Officer
 Social Worker Veterinarian
 Agronomist Optometrist
 Toxicologist Epidemiologist
 Electrical Engineer Marine Biologist
 Mechanical Engineer Physical Therapist
 Environmental Engineer Industrial Hygienist
 Community Health Nurse Clinical Medicine Veterinarian
 Environmental Law Attorney Preventive Medicine Physician
 Comparative Medicine Veterinarian Environmental Scientist
 Veterinary Food Inspection Specialist Veterinary Services Food Safety Officer Environmental Protection Specialist



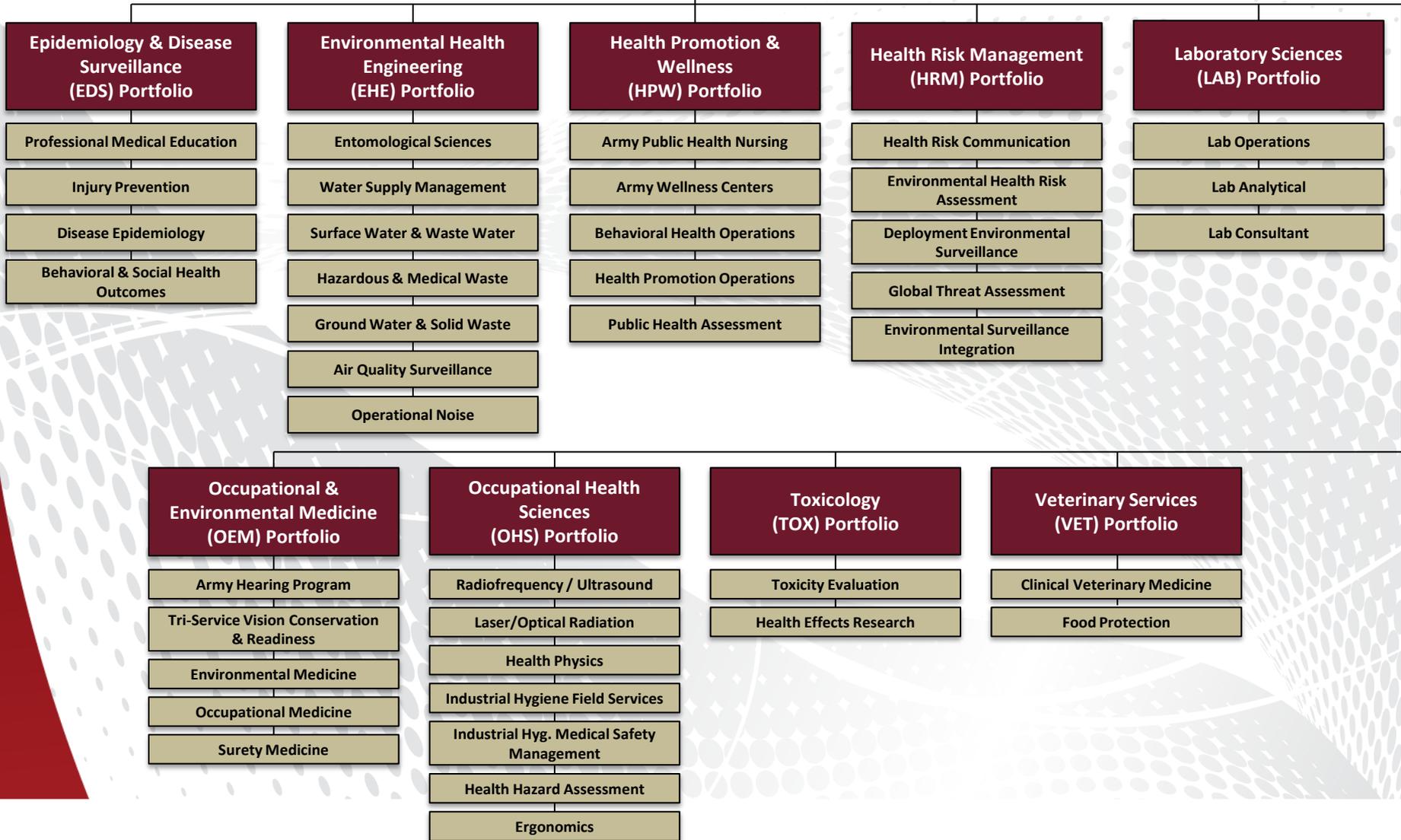


AIPH Organizational Structure



Army Institute of Public Health

(Aberdeen Proving Ground, Md.)





CONTRACTING OPPORTUNITIES



NONE EXPECTED IN FY 2013 OR PROJECTED IN 2014

USAPHC CONTRACT OPPORTUNITIES ARE GENERALLY LIMITED TO SMALL SERVICE CONTRACTS FOR EQUIPMENT OR SOFTWARE MAINTENANCE OR EQUIPMENT PURCHASES



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Panelists



•20th Support Command (CBRNE)

Mr. Raymond Vanpelt

CBRNE Advisor, 20th Support Command (CBRNE)

•Program Executive Office, Assembled Chemical Weapons Alternatives

Mr. Conrad Whyne

Program Executive Officer, Assembled Chemical Weapons Alternatives

•Joint Program Executive Office for Chemical and Biological Defense

Mr. Curt Wilhide

Deputy Chief of Staff

Program Assistance Program Assessment

Mr. Phi Vu

Biological Defense Lead

Office of Medical Acquisition

•U.S. Army Medical Research Institute for Chemical Defense

COL Bruce Schoneboom

Commander, USAMRICD

•U.S. Army Public Health Command

Mr. John Resta

Director, Army Institute of Public Health

Deputy to the Commander for Public Health

•Edgewood Chemical Biological Center

Mr. Robert Dorsey

Chief, ECBC Biosensors Branch



Thank You!

Team Aberdeen Proving Ground Advanced Planning Briefing for Industry

December 6, 2012