



◆ UNCOMPROMISING INTEGRITY ◆ RESPECT FOR ALL ◆ COMMITTED TO EXCELLENCE ◆ ALWAYS READY ◆

JPEO-CBRND

COMMAND BRIEF

Date

Presenter Name
Presenter Title

PROGRAMS EXECUTED ON BEHALF OF THE CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM

P.A.I.D. U.P.

PEOPLE
first

ADAPT
to the Joint Force's needs

INTEGRATE
layered CBRN defense

DELIVER
on our commitments

UNITY
of command/effort

PIVOT
to incremental capability



WE FACE A COMPLEX THREAT ENVIRONMENT

KNOWN THREATS



EVOLVING THREATS



« We must prepare for and respond quickly to the full spectrum of chemical, biological, radiological, and nuclear threats »

WHO WE ARE AND WHAT WE DO



JPEO-CBRND

MISSION: Provide integrated layered Chemical, Biological, Radiological, and Nuclear defense capabilities to the Joint Force across warfighting functions and combined Joint All-Domain Operations.

VISION: A resilient Joint Force enabled to fight and win unencumbered by a chemical, biological, radiological, or nuclear environment; championed by innovative, agile, results-oriented acquisition professionals.

UNDERSTAND

PROTECT

MITIGATE

ENABLE



CBDP

MISSION: Anticipates and deters future threats by developing and delivering timely chemical and biological (CB) defense capabilities that enable a resilient Joint Force to prevail in CB-contested environments and protect the nation.

VISION: An agile, warfighter focused Enterprise that generates decisive chemical and biological defense advantages to maximize deterrence and defend the nation.

Support CBRN Integrated Layered Defense/Deterrence by denying our adversaries any advantage to using CBRN weapons

NATIONAL POLICIES AND GUIDANCE

- ❖ National Security Strategy (2022)
- ❖ National Defense Strategy (2022)
- ❖ DoD Strategy for Countering Weapons of Mass Destruction (2023)
- ❖ Biodefense Posture Review (2023)
- ❖ Army Biological Defense Strategy (2021)
- ❖ Chemical and Biological Defense Program Enterprise Strategy (2024)

...and others in development and coming soon





JPEO-CBRND ORGANIZATION LEADERSHIP

UNCLASSIFIED



JPEO
Mr. Darryl Colvin
*Executive Assistant
Ms. Quneitra Quintero*



Deputy JPEO
Ms. Nicole Kilgore
*Executive Assistant
Ms. Carol Keyes*



Chief of Staff
Mr. Gordon Graham



Director for Acquisition
& Systems Management
Mr. Wyatt Ulrich



Joint Warfighter
Concept Integrator
Ms. Rachel Overman

Joint Project Managers (JPM)



JPM CBRN Protection
Mr. Steven Batts

Deputy JPM
Mr. Stacey Shepherd

*Executive Assistant
Ms. Brenda Lopez-Price*



JPM CBRN Medical
COL Matthew Clark

Deputy JPM
Mr. Jeff Zerhusen

*Executive Assistant
Ms. Holly Randles*



JPM CBRN Sensors
Mr. Timothy Tharp

Deputy JPM
Mr. L. Clay Williamson

*Executive Assistant
Ms. Nicole Harris*



JPM CBRN Special
Operations Forces
Ms. Lindsay Longobardi

Deputy JPM
Ms. Deb Olson

*Executive Assistant
Ms. Michelle Stier*

Joint Project Leads (JPL)



JPL CBRN Integration
Mr. Paul Gietka

Deputy JPL
Mr. Matt Shoultz

*Executive Assistant
Ms. Jeanette Benton*



JPL CBRND
Enabling Biotechnologies
Mr. Bruce Goodwin

Deputy JPL
Ms. Nicky Dorsey

*Executive Assistant
Ms. Nehemirah Maxwell*

JPEO-CBRND PORTFOLIO OVERVIEW



99 Acquisition Efforts • FY25 CBDP Proposed Budget: \$1.205B (\$1.091B RDTE; \$426M PROC)

JPM CBRN PROTECTION

► COLLECTIVE



► INDIVIDUAL



► DECONTAMINATION



JPM CBRN MEDICAL

► PROPHYLAXIS



► DIAGNOSTICS



► THERAPEUTICS



JPM CBRN SENSORS

► POINT/STANDOFF DETECTION



► RECONNAISSANCE



► AUTONOMOUS



JPM CBRN SPECIAL OPERATIONS FORCES

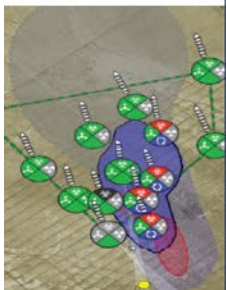
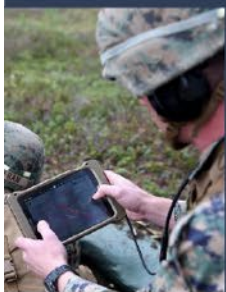
► PROTECTION



► SENSORS



JPL
CBRN
INTEGRATION



JPL
CBRND
EB

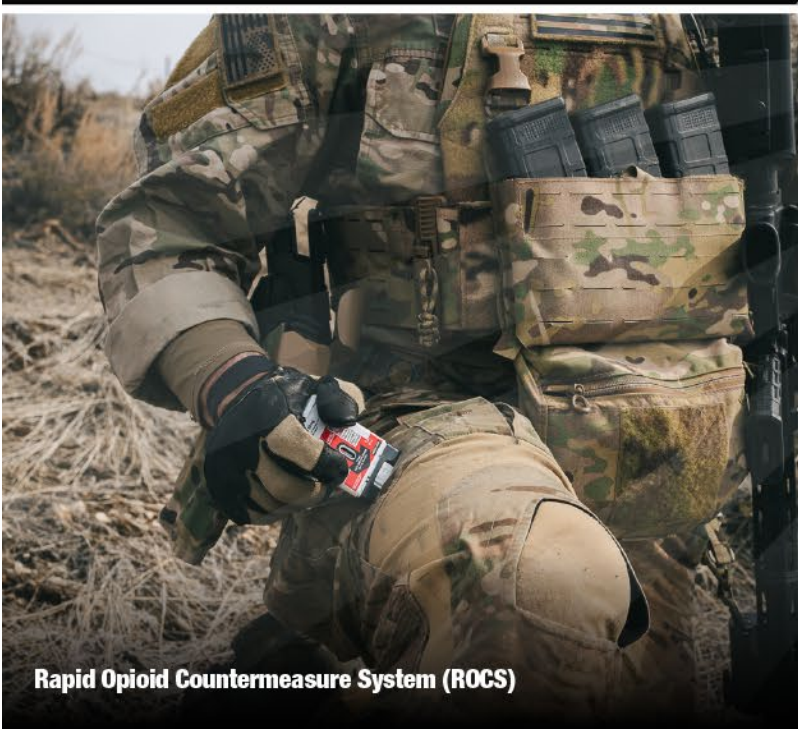




Joint Biological Agent Decontamination System (JBADS)



Joint Service Aircrew Mask for Strategic Aircraft (JSAM-SA)



Rapid Opioid Countermeasure System (ROCS)



Nuclear Biological Chemical Reconnaissance Vehicle Sensor Suite Upgrade (NBCRV SSU)

JPEO-CBRND P.A.I.D. U.P. APPROACH TO ADVANCE OUR MISSION



P.A.I.D. U.P.



PEOPLE

first



ADAPT

to the Joint
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INTEGRATED LAYERED CBRN DEFENSE: EVOLVING TODAY FOR TOMORROW'S BATTLESPACE



V9.2 - 27 Aug 2024

ENABLE



UNDERSTAND

PROTECT

MITIGATE

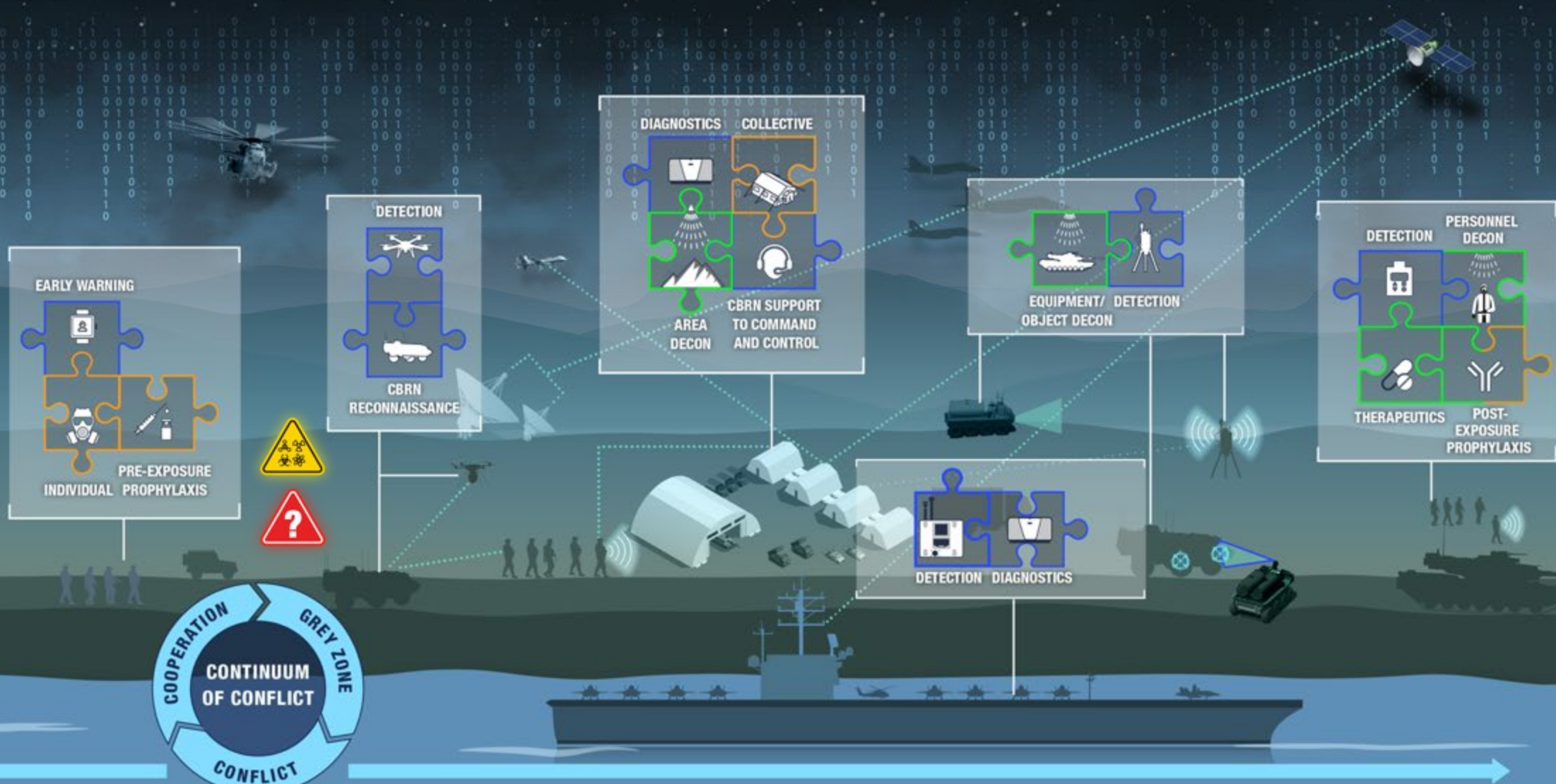
SPACE

CYBER

AIR

LAND

MARITIME



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BROAD SPECTRUM



Effective across multiple threats, offering a frontline defense and buying time to deploy targeted MCMs



Example: A broad-spectrum antiviral can be given after exposure to multiple viral diseases to mitigate impact and spread

MEDICAL STRATEGY

Develop medical countermeasures to protect against and treat exposure to CBRN threats

TARGETED



Understand, mitigate, and protect warfighter against prioritized threats with highly specific tests and MCMs



Example: A naloxone autoinjector provides immediate protection to warfighters following an exposure to opioids in the field

CBRN
Event



Traditional MCM development



Rapid Response



Capability
delivered



EXPLOIT RAPID RESPONSE CAPABILITIES

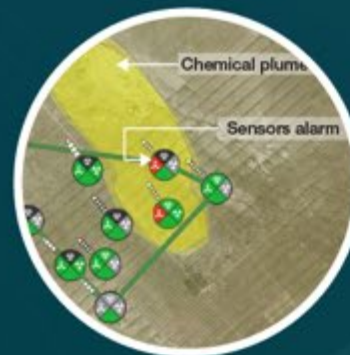
Respond faster to the unknown



NETWORKED



Leverage data, engineering, and software to connect capabilities



CBRN Support to Command and Control (CSC2)



UNENCUMBERED

Develop smaller, lighter, more portable capabilities



Uniform Integrated Protection Ensemble Family of Systems General Purpose (UIPE FoS GP)

PHYSICAL STRATEGY

Develop platform agnostic capabilities to provide integrated CBRN data

AUTONOMOUS



Provide capabilities that quickly and effectively detect and mitigate



Joint Personal Dosimeter-Individual (JPD-I)

DELIVER ACTIONABLE INFORMATION

Respond faster to the unknown

JOINT ENTERPRISE TECHNOLOGY TOOL (JETT)

Connect Directly with the JPEO-CBRND

- » Web-based industry engagement tool
- » Connects companies to appropriate points of contact based on answers to a short questionnaire
- » Cross-enterprise access facilitates collaboration among and with government organizations

Since JETT Launched in July 2022

QUICK STATS

Average response time:



- **1 week:** Initial response
- **< 3-4 weeks:** Conduct meeting/demo

500+

**VENDOR
SUBMISSIONS**

450+

**INDIVIDUAL
COMPANIES/
ORGANIZATIONS**

Shared access



Interagency partners



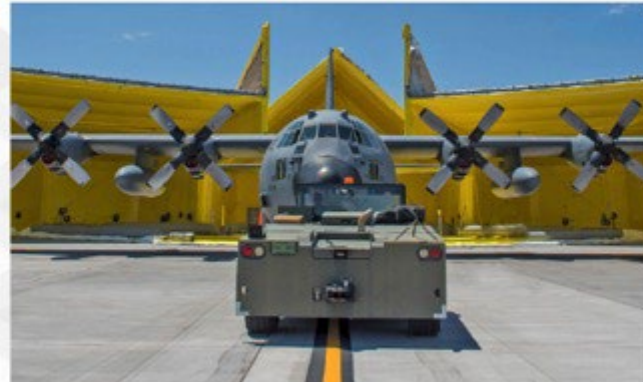
JETT - YOUR CONDUIT FOR DOING BUSINESS WITH THE JPEO-CBRND



WORK WITH US

www.jpeocbrnd.osd.mil/Work-With-Us/JETT-Joint-Enterprise-Technology-Tool/

SERVING THE JOINT FORCE





@JPEOCBRND

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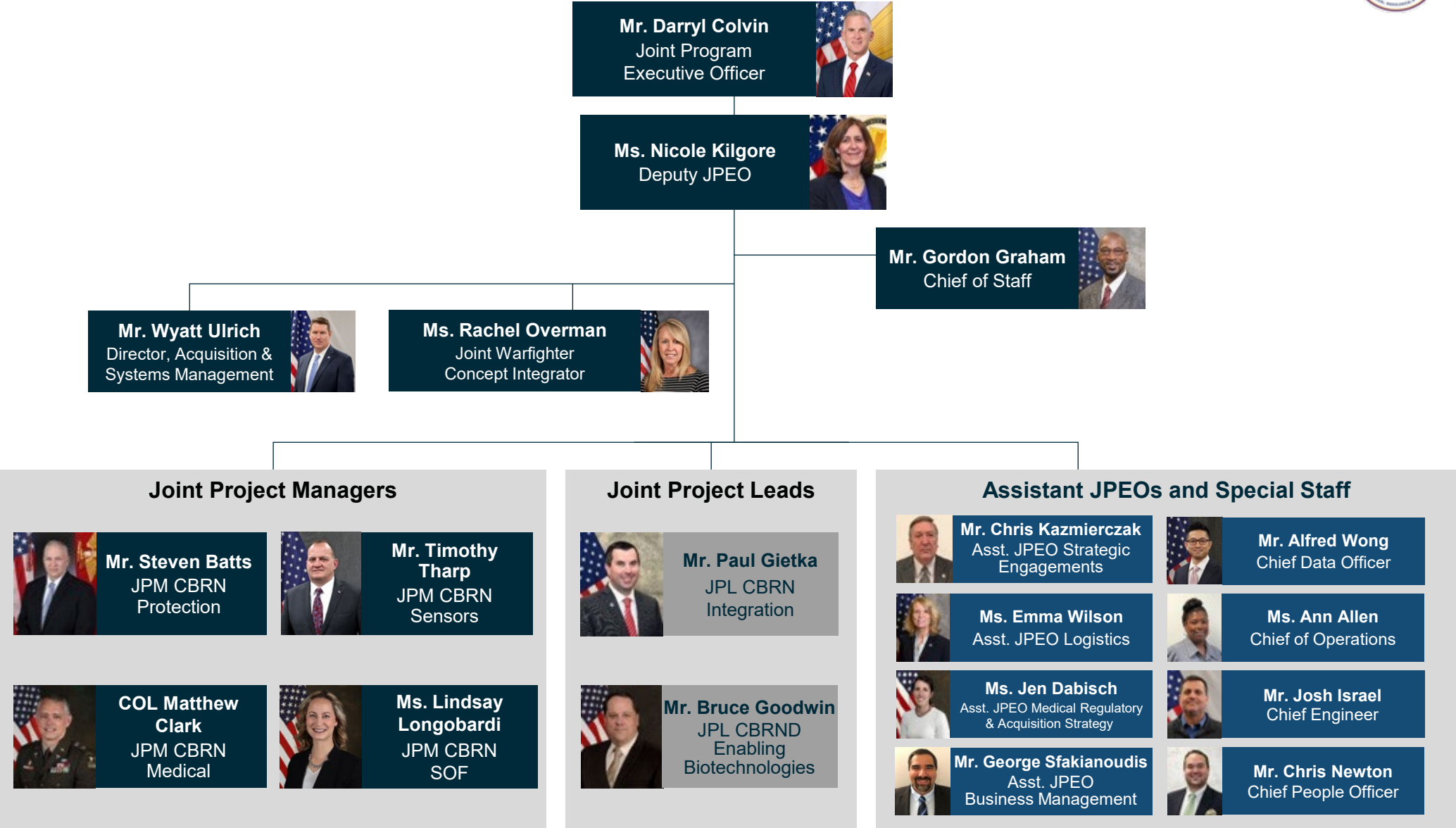
WWW.JPEOCBRND.OSD.MIL/WORK-WITH-US



BACKUPS



JPEO-CBRND ORGANIZATION

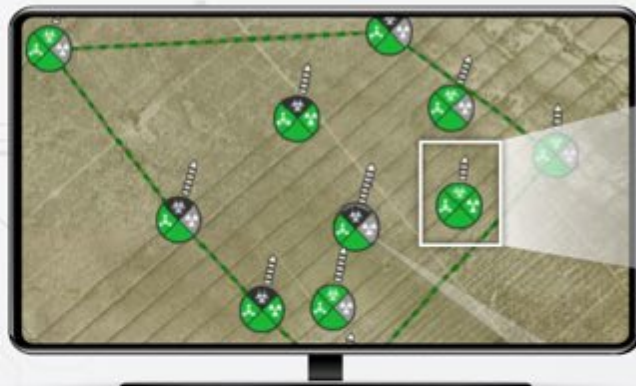


CBRN SUPPORT TO COMMAND AND CONTROL (CSC2)

Integrated Situational Awareness to Inform Decision Making on the Battlefield



SYSTEM OVERVIEW



KEY:

- Meteorological (wind speed, temp, direction)
- Chemical Status (AVCAD | JCAD)
- Biological Status (JBTDS | IBAC)
- Radiological Status (RDS)
- Sensor Data Analytics (SDA)
- Biological Sensor Collection

CHEMICAL DETECTION SCENARIO (EXAMPLE)



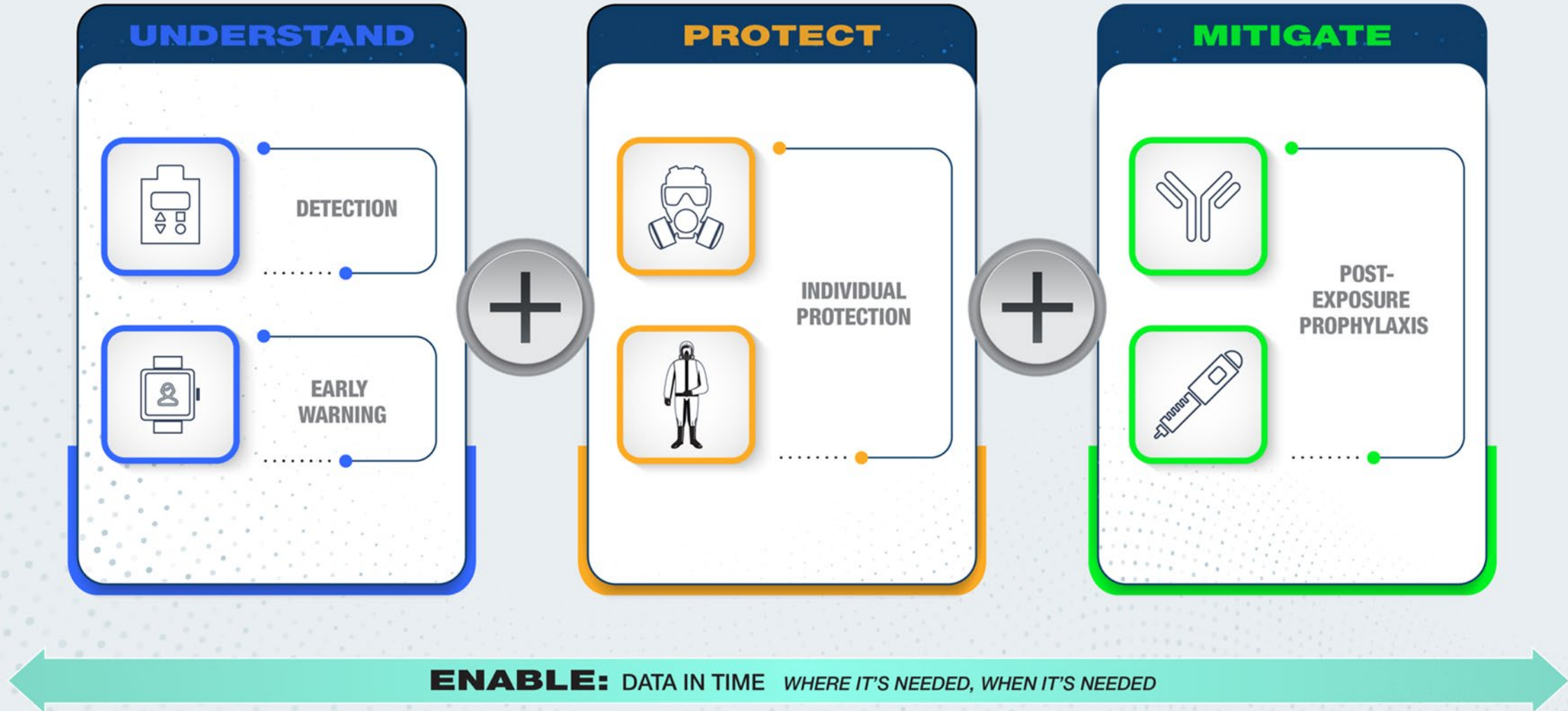
HOW DO WE EVOLVE? *Identify and develop enterprise services that achieve:*

- Integration of CBRN capabilities and data with existing user systems across the Services
- Interoperability of CBRN data and non-CBRN data to create a holistic picture that includes CBRN information

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CAPABILITY PORTFOLIO MANAGEMENT

Example for Supporting Structure of CBRN Integrated Layered Defense



The capabilities we deliver combine to support CBRN Integrated Layered Defense

JPEO-CBRND

MODERNIZATION FOCUS AREAS



MODERNIZE BIOLOGICAL DEFENSE

- Flexible, Scalable, and Interoperable Threat Agnostic Detection
- Pre-symptomatic and Rapidly Reconfigurable Diagnostics
- Open-Architecture Diagnostic Assays and Platforms
- AI-based and Biological Models to Assess Efficacy and Safety
- Host-Response Assays



INTEGRATED EARLY WARNING

- Threat Characterization and Hazard Modeling
- Artificial Intelligence and Machine Learning
- Wearable Sensors
- CBRN Information Nested with Joint All-Domain Command and Control (JADC2)

UNENCUMBERING THE WARFIGHTER

- Unobtrusive Individual Protection
- Biothreat Containment and Aeromedical Evacuation to Assure Continuity of Operations
- Quick and Effective Decontamination to Contain and Neutralize Spread



JPEO-CBRND STRATEGIC GOALS



STRATEGIC GOAL 1

Achieve CBRN Defense integration, interoperability, and interdependence across all warfighting domains and functions.

STRATEGIC GOAL 2

Foster an environment that seeks innovative enterprise solutions across industry, academia, and warfighters that is agile, versatile and efficient.

STRATEGIC GOAL 3

Provide indispensable value to the warfighter, DoD, Congress, the Nation and our allies/partners.

WORK WITH US

JPEOCBRND.OSD.MIL/work-with-us



GOVERNMENT AND INDUSTRY ENGAGEMENTS

Industry Days

Conferences

Joint Enterprise
Technology Tool (JETT)

CONTACT: Public Affairs Office
usarmy.apg.dod-jpeo-cbrnd.mbx.
public-affairs@army.mil



TECHNOLOGY AND INNOVATIONS

SPARK

Early Discoveries
Accelerator for
Innovative Minds

Cooperative Research
and Development
Agreement

JPM CBRN Medical
TechWatch

CONTACT: Josh Israel
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443-655-3513

OTHER TRANSACTION AUTHORITY (OTA)

Medical CBRN Defense
Consortium (MCDC) OTA

Combating Weapons of Mass
Destruction (CWMD) OTA

CONTACT:
MCDC OTA POC: Lee Hess
lee.a.hess.civ@army.mil
240-344-0462
www.medcbrn.org

CWMD OTA POC: Keith Batchelor
roger.k.batchelor2.civ@army.mil
240-586-1523
www.cwmdconsortium.org

FEDERAL ACQUISITION REGULATION (FAR) CONTRACTS

JE-CLASS – Logistics

JE-OPETS – Contract Support Personnel

JE-RDAP – Development, Procurement,
and Sustainment

Stand Alone Contracts

Medical Broad Agency Announcement

CONTACT: Jenny Buchness
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667-201-3447



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