



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

JPEO-CBRND

COMMAND BRIEF

Date

Presenter Name
Presenter Title

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PROGRAMS EXECUTED ON BEHALF OF THE CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM

WE FACE A COMPLEX THREAT ENVIRONMENT



WHO WE ARE AND WHAT WE DO



JPEO-CDRND

MISSION: Provide integrated layered chemical, biological, radiological, and nuclear defense capabilities to the Joint Force across 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

COVID CLAIMS OVER 5+ MILLION LIVES

SALISBURY NERVE AGENT POISONING

SYRIA SARIN ATTACK

KIM JONG-NAM ASSASSINATION



CBDP

MISSION: Anticipate future threats and deliver capabilities that enable the Joint Force to fight and win in CB-contested environments

VISION: A Joint Force ready to fight and win in CB-contested environments through a coordinated effort designed to neutralize adversarial CB threats

NATIONAL POLICIES AND GUIDANCE

- ❖ National Security Strategy
- ❖ National Military Strategy to Combat Weapons of Mass Destruction
 - ❖ National Strategy for Homeland Security
 - ❖ National Strategy to Combat Weapons of Mass Destruction
 - ❖ Strategy for Homeland Defense and Civil Support
 - ❖ National Strategy for Counterterrorism
 - ❖ National Strategy for Countering Biological Threats
 - ❖ National Strategy for Biological Surveillance





JPEO-CBRND ORGANIZATION LEADERSHIP



Director for Acquisition
& Systems Management
Mr. Wyatt Ulrich



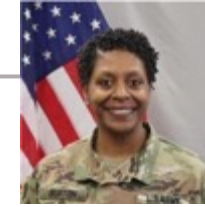
Strategy and Joint Warfighter
Concept Integrator (Acting)
Ms. Rachel Overman



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



JPEO
Mr. Darryl Colvin
Executive Assistant
Ms. Quneitra Quintero



Executive Officer
MAJ Angela Burton



Chief of Staff
Mr. Gordon Graham

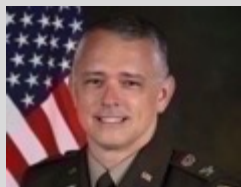
Joint Project Managers (JPM)



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. Taylor Somers



JPM CBRN Sensors
COL Robert Carter III

Deputy JPM
Mr. L. Clay Williamson

Executive Assistant
Ms. Marjorie "Margie" Giles



JPM CBRN Special
Operations Forces
Ms. Karen Burke (Acting)

Deputy JPM
Mr. Jason Ketterer (Acting)

Executive Assistant
Ms. Michelle Stier

Joint Project Leads (JPL)



JPL CBRN Integration
Mr. Paul Gietka

Deputy JPL
Mr. Matt Shultz

Executive Assistant
Ms. Jeanette Benton



JPL CBRND
Enabling Biotechnologies
Mr. Bruce Goodwin

Deputy JPL
Ms. Lindsay Longobardi

Executive Assistant
Ms. Nehemirah Maxwell

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 and Partners.

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

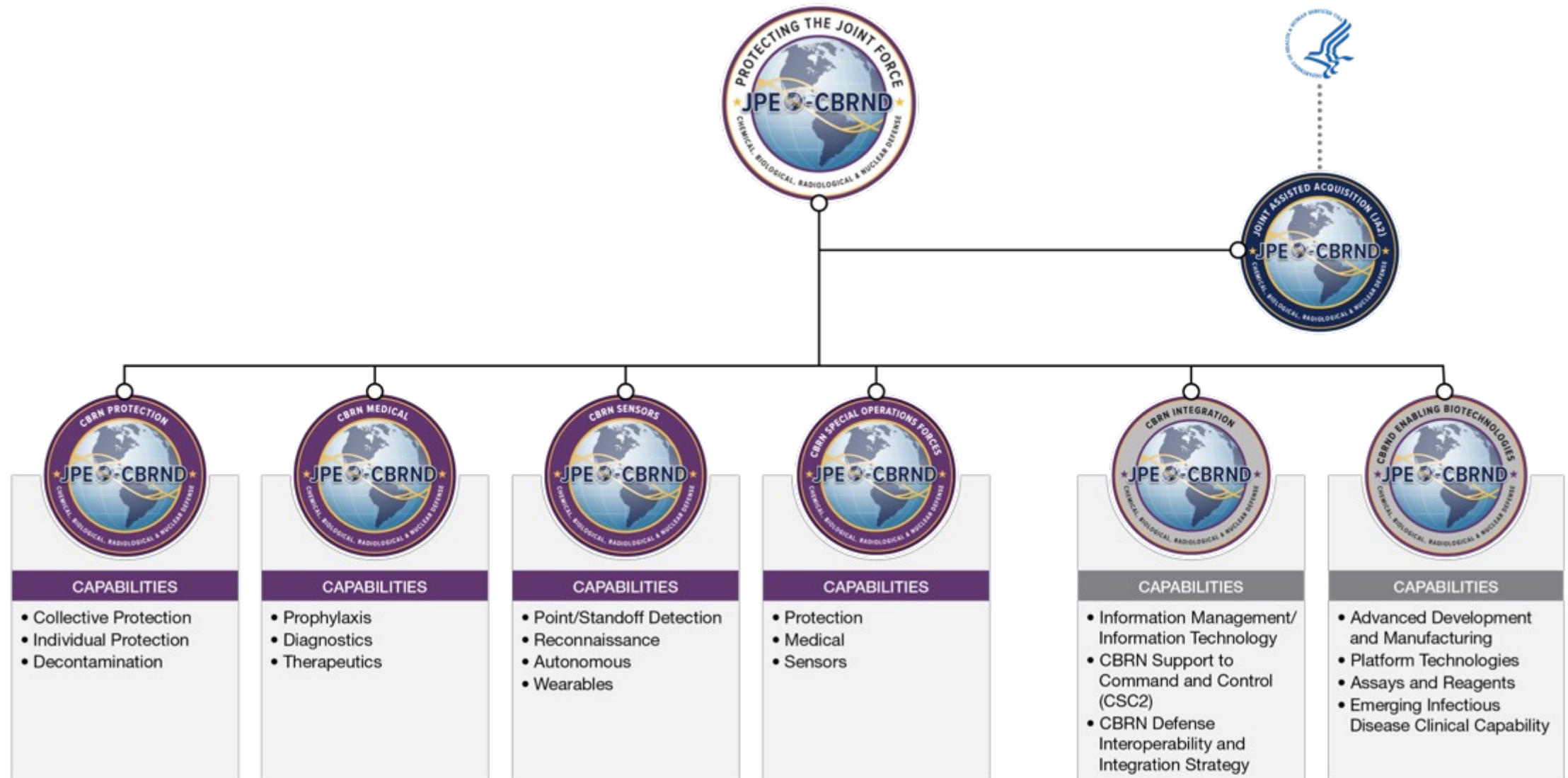
- Threat Characterization and Hazard Modeling
- Artificial Intelligence and Machine Learning
- Wearable Sensors
- CBRN Information Nested with Joint All-Domain Command and Control (JADC2)

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

Portfolio Overview



JPEO-CBRND

Portfolio Overview



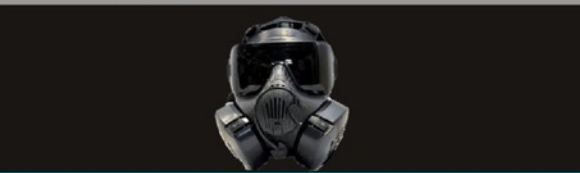
100 Acquisition Efforts • FY23 CDBP Budget: \$801.3+M (\$428.1M RDTE; \$373.2M PROC)

JPM CBRN PROTECTION

► COLLECTIVE



► INDIVIDUAL



► DECONTAMINATION



JPM CBRN MEDICAL

► PROPHYLAXIS



► DIAGNOSTICS



► THERAPEUTICS



JPM CBRN SENSORS

► POINT/STANDOFF DETECTION



► RECONNAISSANCE



► AUTONOMOUS

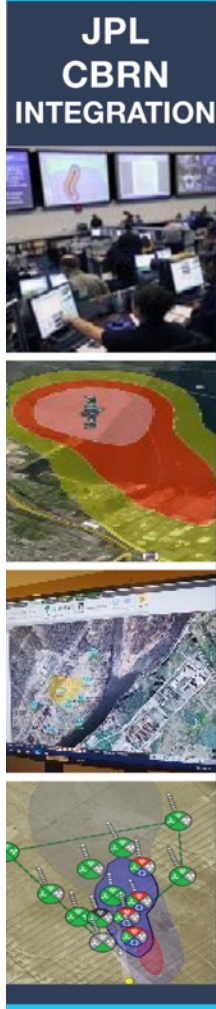
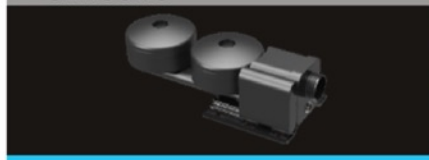


JPM CBRN SPECIAL OPERATIONS FORCES

► PROTECTION



► SENSORS





INTEGRATED LAYERED CBRN DEFENSE



KEY

PROTECTION MEDICAL SENSORS

UNDERSTAND

SPACE



RECONNAISSANCE



CBRN SUPPORT TO
COMMAND AND CONTROL



DETECTION



EARLY WARNING



DIAGNOSTICS

CYBER

PROTECT

AIR



PRE-EXPOSURE PROPHYLAXIS



INDIVIDUAL



COLLECTIVE

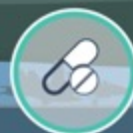
LAND

MITIGATE

MARITIME



POST-EXPOSURE PROPHYLAXIS



TREATMENTS



PERSONNEL DECON



EQUIPMENT/OBJECT DECON



AREA DECON

FUTURE CAPABILITIES



- Next generation protective ensemble
- Non-restrictive respiratory and ocular protection
- Tactical disablement
- Filtration technologies
- Integrated contamination mitigation
- Coatings and barriers



- One treatment, many threats
- Rapid medical countermeasures response
- Genomic sequencing
- Pre-symptomatic diagnostics
- Advanced Manufacturing



- Robotics and autonomous systems
- Decision support tools
- Machine learning, artificial intelligence
- Space and intelligence, reconnaissance, surveillance
- Threat agnostic detection and identification
- Modernized radiological/nuclear detection and identification
- Integrated Early Warning

JOINT PROGRAM EXECUTIVE OFFICE FOR CHEMICAL, BIOLOGICAL, RADIOLOGICAL AND NUCLEAR DEFENSE (JPEO-CBRND)
ARMY - A CRITICAL ENABLER OF THE NATIONAL COVID-19 RESPONSE



As of
04 January 2023

PARTNERS

Success built on a Foundation of Partnerships with Government, Industry, Academia



PEOPLE

Critical Subject Matter Experts supporting National Response

13

Technical Subject Matter Experts Embedded in Leadership Roles with Federal Response Operation

105+

12% of 871

Technical, Program Management, and Regulatory Subject Matter Experts Supporting Assisted Acquisition, Research & Development, and Ensuring Regulatory Compliance
Does not include other Army support (e.g., Army Contracting Command, Army Support to Operation Warp Speed/Countermeasures Acceleration Group, etc.)

PRODUCTS & PROCESSES

Protecting and Saving Lives with the Full Spectrum of Medical Countermeasures

Enabling Speed and Efficiency through Innovative and New Approaches

As of 31 Dec 2022

\$353M+

has transitioned from DoD to OGAs for execution

COVID-19 SUPPORT & ASSISTED ACQUISITION

\$76B+

TOTAL OBLIGATED

200+

TOTAL CONTRACTS

130+

TOTAL COUNTRIES

Leveraged Innovative Approaches and Full Range of DoD Authorities to Acquire Life-saving Vaccines, Therapeutics, and Diagnostics

VACCINES

\$38.7B+

OBLIGATED

12

CONTRACTS



Vaccines

AstraZeneca esk Johnson & Johnson

moderna NOVAVAX

Pfizer SANOFI

THERAPEUTICS

\$27.9B+

OBLIGATED

18

CONTRACTS



Monoclonal Antibodies

AstraZeneca Lilly

MERCK REGENERON

DIAGNOSTICS

\$5.9B+

OBLIGATED

53

CONTRACTS



Instruments



Medical Mobile Lab

BIOFIRE

Biomeme

Cepheid

CUE

ellume

ENABLERS

\$1.3B+

OBLIGATED

133

CONTRACTS



Syringes & Needles



Swabs



Strategic National Stockpile



Vials

PPE

\$124M+

OBLIGATED

15

CONTRACTS



Masks



Sanitizer



Gloves

INTERNATIONAL DONATIONS

130+

COUNTRIES

768M+

DOSES



Vaccines



International

INDUSTRIAL BASE EXPANSION

\$2.2B+

OBLIGATED

19

CONTRACTS



Industrial Base

COVID-19 RESEARCH & DEVELOPMENT

\$1B+

TOTAL OBLIGATED

50

TOTAL EFFORTS

Accelerated the Development of >25 Vaccines, Therapeutics, Diagnostics, and Enabling Technologies Across DHA, Army, and CDBP Funded Efforts

VACCINES

\$533M+

OBLIGATED

8

EFFORTS



Vaccines



Monoclonal Antibodies

AstraZeneca

DARPA

INOVIO

NOVAVAX

RESILIENCE

DIAGNOSTICS

\$42M+

OBLIGATED

21

EFFORTS



Surveillance Stick



Assays



Wearables

maxim

BIOFIRE

Cepheid

CUE

QUIDEL

THERAPEUTICS

\$202M+

OBLIGATED

13

EFFORTS



Plasma



Repurposed Drugs

emergent

PTX

SAB

BIOTHERAPEUTICS

immunome

PULMOTECT

the ultran group

JOHNS HOPKINS UNIVERSITY

Sixty Degrees Pharma

UNIVERSITY OF LOUISVILLE

CHRISTINA LEE BROWN

\$299M+

OBLIGATED

8

EFFORTS



Negatively Pressurized Conex



Clinical Trials

Cepheid

physIQ

RESILIENCE

hjf

m-bio

Tasso

PHILIPS

TATRC

LEVERAGING LESSONS FROM COVID RESPONSE TO IMPROVE FUTURE PREPAREDNESS AND SPEED OF RESPONSE



Personnel & Partnerships



- Establish a dedicated team of highly skilled personnel to enable surge and meet crisis
- Maintain and build trusted, critical partnerships that can be leveraged in time of need



Support to Joint Force Readiness



- Build supply chain resilience to insulate Joint Force readiness against potential interruptions
- Maintain clear understanding of global supply chain vulnerabilities and potential impacts



Rapid Response Acquisitions



- Leverage rapid viable awards, existing contracting mechanisms, and cross-functional relationships to expedite access to non-traditional industry partners
- Maintain in-depth understanding of what incentivizes non-traditional industry partners in negotiations
- Facilitate rapid requirement identification and finalization, and subsequent statement of work generation
- Requires innovative and continuous market research along with funding and decisional flexibility to enable rapid contracting approaches (sole source and competitive)
- Leverage all available award instruments, legal authorities and soliciting methods
- Leverage all market research for justification and approval to execute rapid contracting strategies
- Require direct Senior Leader involvement in discussions to provide real-time acquisition strategy guidance to speed processes, focus documentation, and the enterprise on expectations/outcomes
- Require direct involvement of program managers, legal counsel, contracting representatives, and performers from requirement generation through award

WORK WITH US

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GOVERNMENT AND INDUSTRY ENGAGEMENTS

Industry Days

Conferences

Joint Enterprise
Technology Tool (JETT)

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



TECHNOLOGY AND INNOVATIONS

SPARK

Early Discoveries
Accelerator for
Innovative Minds

Cooperative Research
and Development
Agreement

JPM CBRN Medical
TechWatch

CONTACT: Josh Israel
joshua.d.israel4.civ@army.mil
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: Alan Burket
alan.r.burket.civ@army.mil
443-655-8608



WORK WITH US

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THINKING BIG TOGETHER



“Never tell people how to do things.
Tell them what to do and they will surprise
you with their ingenuity.”

—George S. Patton, U.S. Army General

CONTACT

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Joint Program Executive Officer for
Chemical, Biological, Radiological and Nuclear Defense

410-436-4141

darryl.j.colvin.civ@army.mil

www.jpeocbrnd.osd.mil

Public Affairs Office

usarmy.apg.dod-jpeo-cbrnd.mbx.jpeo-
cbd-public-affairs-office@army.mil

Online

jpeocbrnd.osd.mil



@JPEOCBRND

Contracting

Keith Batchelor | 240-586-1523

Lee Hess | 240-344-0462



WORK WITH US

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



BACKUPS



DEPARTMENT OF DEFENSE

Chemical Biological Defense Program (CBDP)



WHITE HOUSE



THE PENTAGON



CORE VALUES



UNCOMPROMISING INTEGRITY

Perform your work to the highest standard. Be honest and transparent, even when it's difficult. Be accountable for your words and your actions. Choose to do what's right every time.



COMMITTED TO EXCELLENCE

Our Warfighters deserve the best we can deliver, so strive for greatness in all your work. Keep your mind open to new and different ways of doing things. Be willing to accept feedback and seek opportunities to learn and improve.



RESPECT FOR ALL

Each member of the JPEO family has their own values, experiences, and identities. Take that into consideration in all your interactions. Treat yourself and others with dignity and fairness.



ALWAYS READY

No matter what challenges we face, always be ready to adapt and respond. We can accomplish anything when we work as a team.