



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

# JPEO-CBRND



## ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFING TO INDUSTRY (APBI)

April 2023

Mr. Keith Batchelor  
Program Manager, Other Transaction Agreements (OTAs)

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PROGRAMS EXECUTED ON BEHALF OF THE CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM

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# JPEO-CBRND SPONSORED CONSORTIA



- A consortium is simply an organization united through a formal agreement
  - Currently 700 contractors, academic institutions, and not-for-profit organizations
  - [www.cwmdconsortium.org](http://www.cwmdconsortium.org) or [www.medcrbrn.org](http://www.medcrbrn.org)
- All share common vision, mission, and values
  - Innovation through collaboration
  - Rapidly develop and deliver prototype technologies
- Led by an Executive Committee and managed by Advanced Technology International (ATI)
  - Established tool set for organizing and running consortia
  - Experienced at finding and on-boarding new technology providers
  - Advanced bid management software including evaluation tools (BIDS)



**MCDC**  
Medical CBRN  
Defense Consortium  
Prevent | Diagnose | Treat

**CWMD**  
Countering Weapons of Mass Destruction  
CONSORTIUM

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# CWMD OTA SCOPE

## Enabling a Whole of Government Response to WMDs



- Provides rapid prototyping for technologies that enable or enhance the understanding of the CBRNE operational environment, threats, and vulnerabilities; control, defeat, disable, and/or dispose of WMD threats; safeguard the force while responding to natural and manmade disasters; and promote the cooperation, coordination, interoperability, and decision making between agencies, all levels of government, and with partner nations.
- Technical Objective Areas
  - CBRNE counter-proliferation, nonproliferation, and defense equipment;
  - Installation and force protection;
  - Command, control, communications, computers, intelligence, surveillance, and reconnaissance (C4ISR) systems for WMD detection, localization, identification, and tracking and CBRNE response operations;
  - Technologies that support the find, fix, finish, exploit, analyze, and disseminate (F3EAD) process;
  - Preparing for and combatting improvised threats and the improvised explosive device network;
  - WMD precursor, agent, and device defeat or neutralization;
  - Ensuring nuclear deterrence;
  - Manned and unmanned platforms capable of supporting CWMD operations;
  - Technologies that enhance the effectiveness of forces that are tasked to conduct CWMD operations;
  - Other operations related to the CWMD mission.

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# MEDICAL CBRN DEFENSE OTA SCOPE

## Enabling a Whole of Government Response to WMDs



- The principal purpose of the OTA is to facilitate collaboration between Government and Industry Partners to conduct research and development (R&D) into medical, pharmaceutical, and diagnostic technologies, to develop medical countermeasures and enhance mission effectiveness of military personnel in chemical and biological defense.
- Objective Areas
  - Detection: Systems and devices to identify CBRN agents and assist diagnostic decisions
  - Prevention: Prophylaxis, pretreatment, and post-exposure prophylaxis
  - Treatment: Therapeutics (post-exposure, post-symptomatic)

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# KEY OTA FEATURES



## OTAs have the following key features that enhance both the contractor and Government experience:

- Open Communications: Government requiring office and Consortium Members are free to discuss any project attributes including cost, schedule and performance, new ideas/approaches, forecasts, etc.
  - No need to formalize discussions
  - Formal discussions pursuant to the FAR and it's supplements are not required
  - Exceptions:
    - Cannot discuss proprietary information of another contractor
    - Discussions are closed during evaluation periods (Procurement Integrity Act does apply)
- “Commercial Like” financing and payment terms
- Follow-on Production (successful completion or unanticipated favorable results)
- Negotiable IP and data rights (Bayh-Dole Act does not apply)
- Flexible - (T&C, agreement types, evaluation process, success metrics, deliverables)
- Streamlined – (Enhanced White Paper w/ROM vice formal proposal).
- FAR DOES **NOT** APPLY

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# KEY PROGRAM ROLES & RESPONSIBILITIES

You are not alone!



## Program Management Office (JPEO-CBRND)

- Execute program strategy and marketing
- Manage operations
  - Monitor Cost, Schedule, and Technical Performance
- Provide acquisition support and expertise
  - Contractual (1101/2 series)
  - Technical (0800 and 1300 series)
- Maximize customer service and support
  - Training by Subject Matter Experts to customers

## Agreements Officer (ACC-NJ)

- Review and approve requirements
- Review and approve evaluations of white papers/proposals
- Conduct Cost/Price Analysis
- Prepare Determination and Findings -- approving that proposal requirements are met
- Facilitation of legal and SCO reviews
- Perform post-award administration

## Consortium Management Firm (ATI)

- Manage consortium
  - Maintain on-line process for bid management
  - Complete compliance checks
  - Award sub-agreements
  - Member Training & Mentoring
- Monitor post-award performance against technical milestones
- Manage payment process
- Manage reporting and deliverables

## Agreements Officer's Representative

- Write requirements with program team
- Conduct evaluations
- Draft selection memoranda
- Monitor cost, schedule, and technical performance
- Approve deliverables
- Approve payments, etc.
- Communicate any changes to PMO/AO

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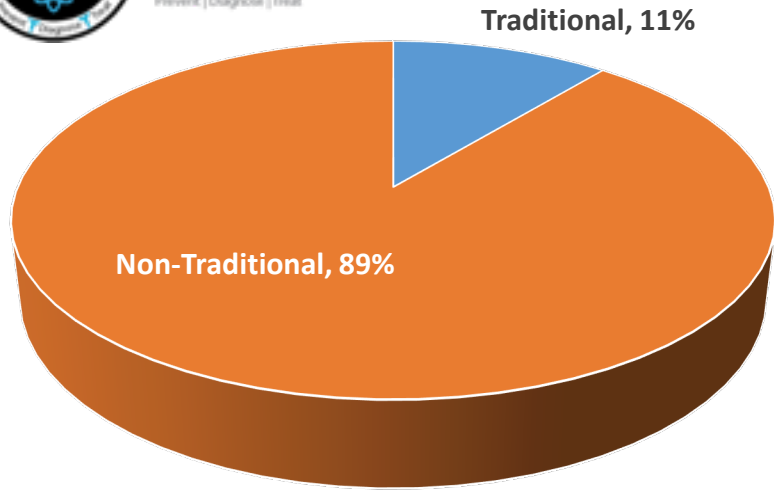
# TYPICAL SCHEDULE FOR ENHANCED WHITE PAPER



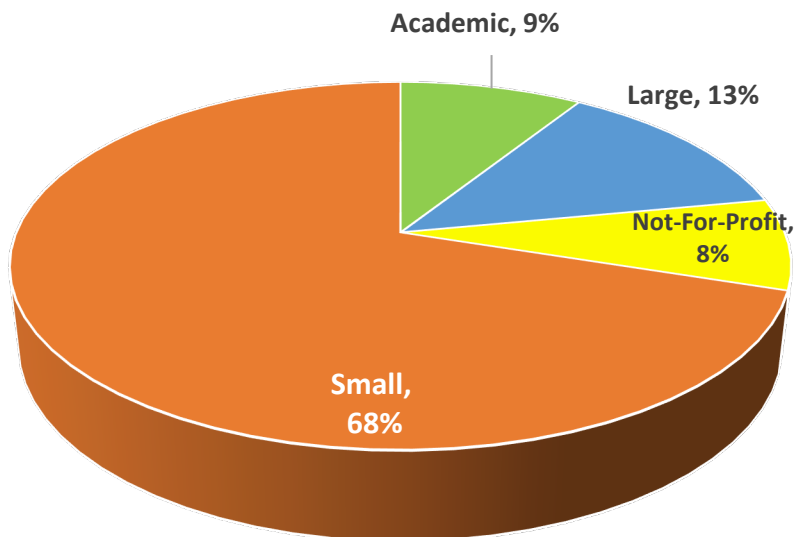
Milestone	* Estimated Completion Timeline (Business Days) CWMD / MCDC	
Issue Request For Prototype Proposal: Internal Reviews, Release Draft RPP, Release Final RPP	11	11
Proposal Submission: Write Enhanced White Papers/Submission, Compliance Reviews	31	31
Source Selection: Technical Evaluations, Generate Competitive Evaluation Report	31	31
Negotiations/Award Documentation Package: Finalize SOW, Complete award documentation, Issue Proposal Update Letter	22	22
Project Award: Updated Proposal Submission, Cost Analysis, Technical Direction Letter, Determination and Findings, Price Reasonableness Determination, Execute Project Agreement	54	54
	Target	150
		150

\* Estimated Completion Timelines are not to be construed as policy. Each OT requirement and situation will be determined on a case-by-case basis.

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Non-Traditional/Traditional Distribution



Business Class Distribution

- FY 16, 17 RPP (5 Projects), 9 Awards, 0 Basket; FY 16-17 Basket Pulls - 1
- FY 18 RPP (11 Projects), 23 Awards, 14 Basket; FY 18 Basket Pulls - 10
- FY 19 RPP (12 Projects), 16 Awards, 17 Basket, FY 19 Basket Pull - 4
- FY 20 RPP (17 projects), 23 Awards, 21 Basket, FY 20 Basket Pull - 1
- FY 21 RPP (6 Projects), 7 Awards, 7 Basket, FY 21 Basket Pull – 0
- FY 22 RPP (18 Projects), 8 Awards, 8 Basket; FY 22 Basket Pulls – 1
- FY 23 RPP (00 Projects), 00 Awards, 00 Basket, FY 23 Basket Pull -

**316 Members**

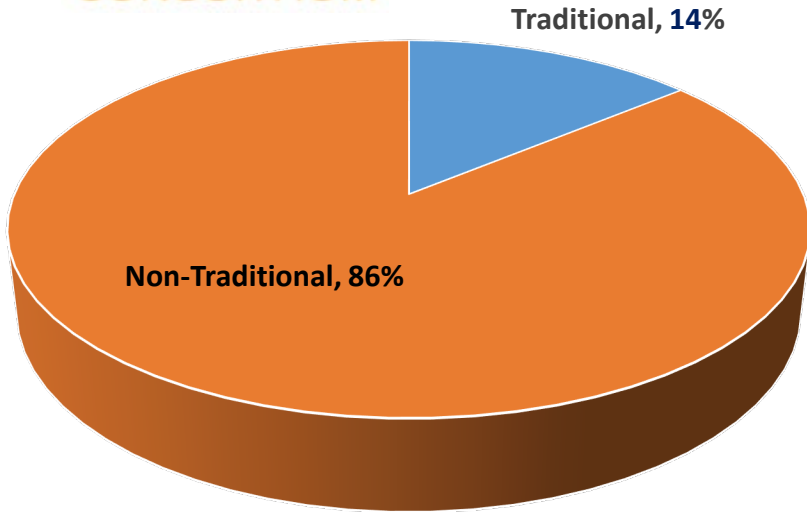
**84 Total Awarded Projects**  
**69 Active Funded Projects**

- Awarded Ceiling - \$ 8,668,976,497
- Total Cost (w/CMF Fee) \$ 8,704,720,557
- Funded To Date - \$7,961,984,197
- Disbursed to date \$4,918,445,141
- Paid to Performer - \$4,137,275,411

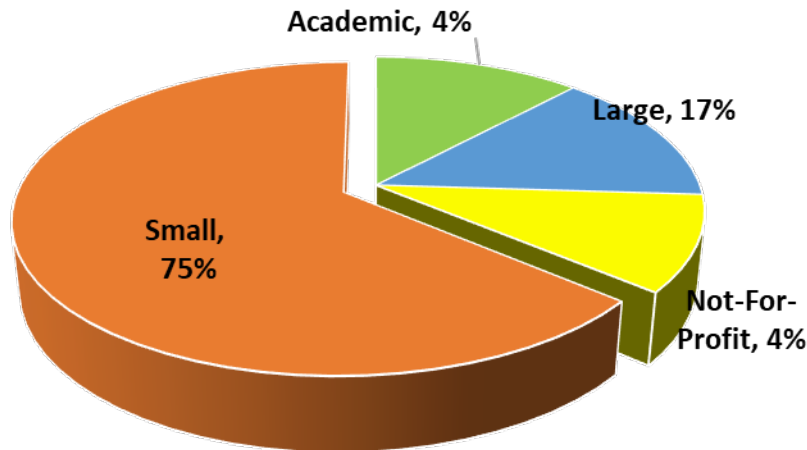
Open FY23 Actions – 12  
○ DTRA – 12

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Non-Traditional/Traditional Distribution



Business Class Distribution

- FY 18 RPP (34 Projects), 22 Awards, 00 Basket; FY 18 Basket Pull - 1
- FY 19 RPP (37 Projects), 51 Awards, 00 Basket, FY 19 Basket Pull - 5
- FY 20 RPP (42 projects), 29 Awards, 54 Basket, FY 20 Basket Pull - 2
- FY 21 RPP (19 Projects), 52 Awards, 46 Basket, FY 21 Basket Pull - 7
- FY 22 RPP (08 Projects), 24 Awards, 12 Basket, FY 22 Basket Pull - 7
- FY 23 RPP (01 Projects), 03 Awards, 00 Basket, FY 23 Basket Pull - 8

**401 Members**

**179 Total Awarded Projects**  
**106 Active Funded Projects**

- **Awarded Ceiling - \$1,107,437,508**
- **Total Cost (w/CMF Fee) \$1,118,234,121**
- **Funded To Date - \$945,619,409**
- **Disbursed (Inc CMF C&F) \$ 954,758,854**
- **Paid to Performer - \$836,608,277**

- Open FY23 Actions:**
- **JPM-Protection – 3**
  - **JPM-Sensors- 3**
  - **JPM HQ – 2**
  - **DTRA – 3**

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# CONTACT

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Mr. Al Burket

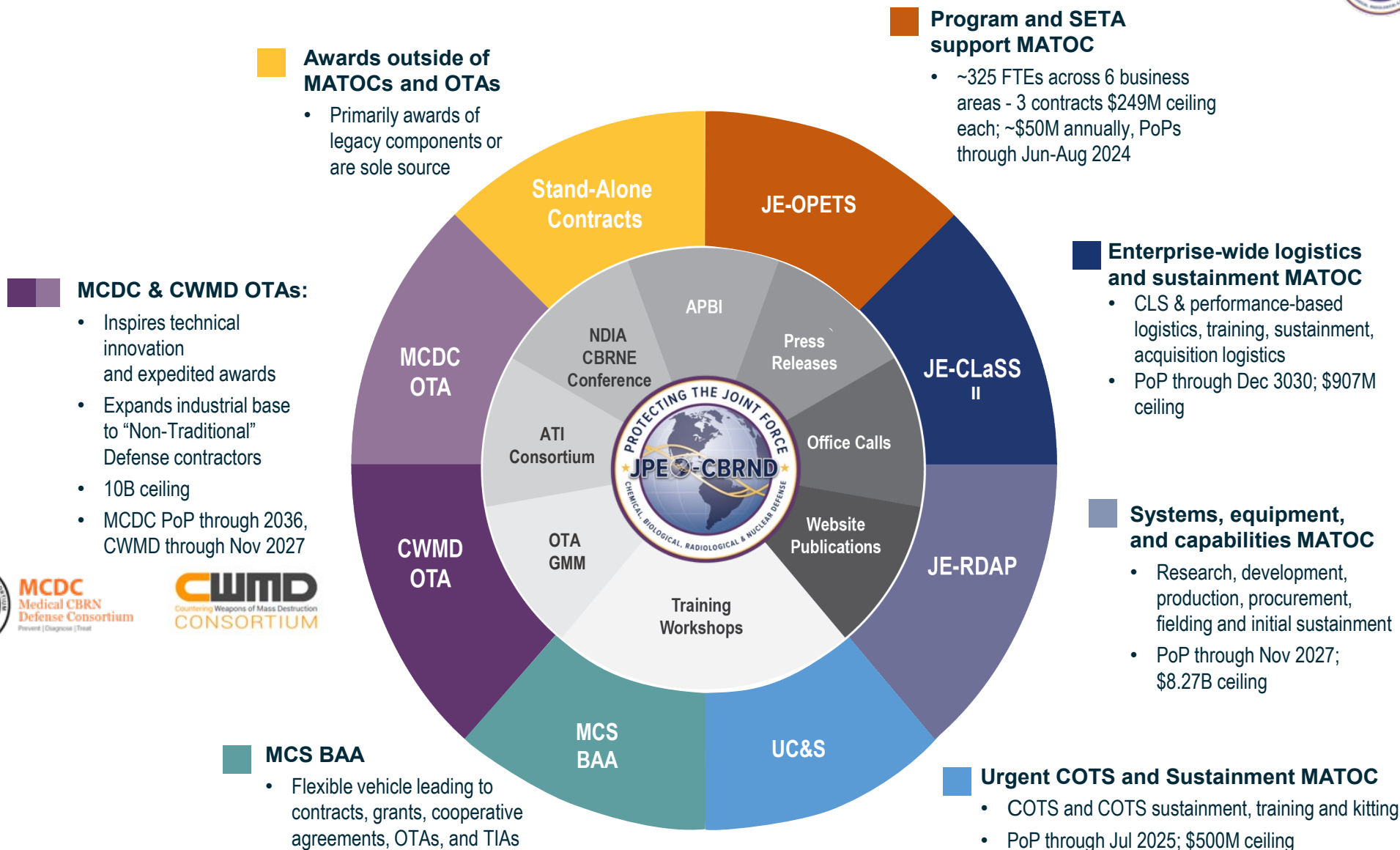
Program Manager, FAR-based Contracts

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# OVERVIEW OF JPEO-CBRND CONTRACT VEHICLES



**MCDC**  
Medical CBRN  
Defense Consortium  
Prevent | Diagnose | Treat

**CWMD**  
Countering Weapons of Mass Destruction  
CONSORTIUM



# JOINT ENTERPRISE - OMNIBUS PROGRAM, ENGINEERING AND TECHNICAL SUPPORT CONTRACT (JE-OPETS)



- Scope: CBRND program management & Systems Engineering & Technical Assistance (SETA) support
- Three separate Multiple Award Indefinite Delivery/Indefinite Quantity (IDIQs), \$249M ceiling each, 5 years w/ 1 year option
  - **Acquisition (JE-OPETS A):** Administrative Assistant, Acquisition Analyst, Program Analyst, Security Analyst, Graphic Artist, Strategic Planner, Technical Writer
  - **Business & Analytics, Engineering & Technical and Information Technology (JE-OPETS BEI):** Budget Analyst, Contract Support Analyst & Software Engineer, Business Analyst, Cost Analyst, EVM Specialist, Operations Research Analyst, Training Specialist & Configuration Management Specialist, Architecture Support, Science & Technology Analyst, Systems Engineer, Test Analyst, Information Assurance Support, Information Technology Specialist, Network Engineer, Software Specialist, Software Test Engineer
  - **Logistics & Medical (JE-OPETS LM):** Logistics Management Specialist, Program Logistician & Quality Assurance Manager, Fielding Coordinator, Property Accountability Officer, Staff Logistician, Sustainment Manager & Transition Manager, Clinical Advisor, Process Advisor, Regulatory Affairs Manager, Relations Manager and Scientist
- 19 Prime Contractors (12 small, 7 large)
- Available to the CBRND Enterprise

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# JOINT ENTERPRISE – CONTRACTED LOGISTICS & SERVICES SUPPORT II (JE-CLASS II)



- Awarded Dec 2022
  - Successor contract vehicle to JE-CLaSS
  - 4-year Base with one 4-year Option, plus 3 years to complete orders, ceiling \$907M
  - Orders may have up to a 5-year Period of Performance (PoP)
  - Available to CBRND Enterprise
- Domain 1: Pool of 23 companies
  - Performance-based logistics and long-term sustainment like JE-CLaSS; plus, holistic training for CBRND equipment and items
  - Task Orders competed as fair opportunity; Small Business Set-Aside (SBSA) determined by “Rule-of-2”
- Domain 2: Pool of 18 companies
  - Acquisition Logistics Support for planning logistics, sustainment and training; and development of programmatic logistics products
  - 100% SBSA
- Projected orders briefed at Start of Work meeting are posted at <https://www.jpeocbrnd.osd.mil/Work-With-Us/> under Contracting Focus Areas

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# JOINT ENTERPRISE – RESEARCH, DEVELOPMENT, ACQUISITION AND PROD/PROC (JE-RDAP)



- Awarded Nov 2017: 10-year (+5 yrs to complete efforts), \$8.27B Multiple Award IDIQ contract; Orders competed as fair opportunity among IDIQ holders
- Scope: Activities for research, development, acquisition, production, procurement, fielding and initial sustainment of Chemical, Biological, Radiological, and Nuclear (CBRN) defense systems, equipment, and materiel
- 176 IDIQ holders (117 small, 59 large)
- Available to the CBRND Enterprise

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# URGENT COTS AND SUSTAINMENT



- GSA Multiple Award IDIQ Contract awarded Jul 2020
  - \$500M ceiling over a 5-year PoP
  - Domain 1: CBRND-related Commercial Off The Shelf (COTS) purchases
  - Domain 2: Related CLS services for COTS items
  - 100% SBSA (7 Primes under Domain 1, 5 Primes under Domain 2)
- Concept: Speed and flexibility for COTS
  - Supplements JE-RDAP and JE-CLaSS II
  - Simple and easy to use
  - Available to CBRND Enterprise
- Target speed: Under 30 days from requirement to award for COTS procurement

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# CONTACT

## Mr. Al Burket

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Joint Program Executive Office Chemical, Biological, Radiological and Nuclear Defense

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# JPEO-CBRND



## ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFING TO INDUSTRY

April 2023

Mr. Paul Gietka  
Joint Project Lead for CBRN Integration

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# FY23 APBI

## Update Since FY22 APBI



### TOTAL ACTIONS BRIEFED: 3

- Environmental Air Monitoring (EAM) Contractor Logistics Support (CLS)
- CSC2 Decision Support Tools and Applications
- NEXGEN WRAHP (Next Generation Warning Reporting and Hazard Prediction)

### RFPs RELEASED: 3

- Environmental Air Monitoring (EAM) Contractor Logistics Support (CLS)
- NEXGEN WRAHP (Next Generation Warning Reporting and Hazard Prediction)
- JEM Sustainment (Joint Effects Model)
- CSC2 Decision Support Tools and Applications – planned 3QFY23

### ACTIONS AWARDED: 2

- Digital Engineering/Software Containerization OTA
- JEM Sustainment (Joint Effects Model)

### STRATEGY CHANGES:

- Digital Engineering/Software Containerization OTA awarded post 2022 APBI
- JEM Sustainment contract (1 year PoP) proposal and award executed post 2022 APBI due to delay in NEXGEN WRAHP contract award

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# CBRN SUPPORT TO COMMAND AND CONTROL (CSC2) DECISION SUPPORT TOOLS AND APPLICATIONS



**DESCRIPTION:** Suite of CBRN decision support tools and application incorporated into CBRN common operating environment and service common operating environments/computing environments

**CONTRACT TYPE and CONTRACT VEHICLE:** CP, CWMD OTA

**ESTIMATED VALUE:** Multiple Awards; Total Estimated Value \$25M

**CONTRACTING CONTACT:** Army Contracting Command (ACC) – Picatinny

**DRAFT SOLICITATION RELEASE:** 3QFY23

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** 4QYF23

**PRIOR/CURRENT CONTRACT INFORMATION:** N/A

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# STRATEGIC INITIATIVES / FUTURE CONCEPTS



In order to support a globally integrated, all-domain, combined/joint force, the JPEO-CBRND must place a focused emphasis on decision dominance enabled by an interoperable, integrated, and interdependent portfolio

- JPL CBRN INT is:
  - The total lifecycle systems manager for assigned programs (CSC2, CBRN IS, JEM, JWARN, JACKS DBS, MDAP)
  - Leads the establishment and execution of a governance construct for the JPEO-CBRND and the methodologies, standard operating procedures, services, standards, protocols, and other state-of-the-art processes to enable delivery of integrated JPEO-CBRND portfolio capabilities more quickly to the warfighter
  - Guides the implementation of digital engineering across the JPEO-CBRND to modernize how we design, operate, and sustain capabilities
- Future Concepts
  - AI/ML for CBRN decision support to CBRN command and control
  - Model based system engineering/digital engineering

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# CONTACT

## Mr. Paul M. Gietka

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April 2023

**COL Matthew Clark**

Joint Project Manager for Chemical, Biological, Radiological, and  
Nuclear Medical (JPM CBRN Medical)

**Jeff Zerhusen**

Deputy, JPM CBRN Medical

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# FY23 APBI

## Update Since FY22 APBI



**TOTAL ACTIONS BRIEFED:** 8

**RFPs RELEASED:** 1 Released, not yet awarded (Reconstitution Autoinjector Device)

**ACTIONS AWARDED:** 8 Awards (6 VAMP, 2 RAIDR)

### **RFPs TO BE RELEASED:**

- Develop an anti-viral therapeutic against Alphavirus threat (EEEV/VEEV/WEEV) (Slide 4)
- IDIQ-type contract to support the RAIDR (Rapid Acquisition and Investigation of Drugs for Repurposing) program. Contract will include ability to perform in-vitro and non-clinical testing to support repurposing of FDA licensed drugs against alternative indications. (Slide 5)
- T&E of monoclonal antibodies for FDA licensure for the protection against aerosolized plague (Slide 6)
- Broad-spectrum oxime to address emerging chemical threats and fourth generation agents (FGAs) (Slide 7)
- Maintain and upgraded fielded Next Generation Diagnostics System 1 (NGDS 1) systems (Slide 8)
- NGDS 1 technology refresh (Slide 9)
- Advanced Differential Diagnosis (ADD) (Slide 10)
- NGDS 2 Chemical Diagnostics (ChemDX) system production contract (Slide 11)

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# BROAD SPECTRUM

Effective across multiple threats, offering a frontline defense and buying time to develop or modify targeted Medical Countermeasures (MCMs)

## Differential diagnostics

Quickly determine best initial treatment, until threat is characterized

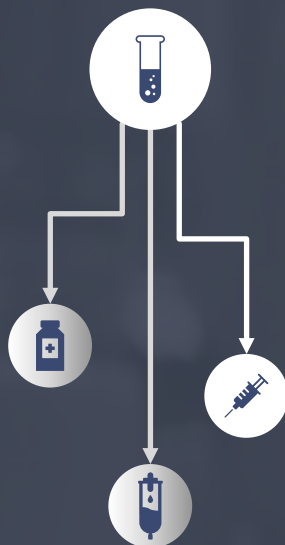


## General-use MCMs

First-line treatment and supportive care, until targeted MCMs can be deployed or developed

## Repurposed MCMs

Symptomatic or host-immune targeted treatment



# JPEO MEDICAL STRATEGY

Protect the warfighter against known and unknown Chemical, Biological, Radiological, and Nuclear threats



AI-enabled development and retargeting



Prototype MCMs across threat families



Refined platform technologies



Flexible manufacturing network

# TARGETED

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



Programs of Record



Accelerated Antibodies



VAMP



GUIDE

Tier 4

## Endpoints

Food and Drug Administration (FDA) licensure

Tier 3

Ready to file with the FDA

Tier 2

Candidate validation

Tier 1

Computational & preclinical data package

Upfront costs

Time to deploy

# EXPLOIT RAPID RESPONSE CAPABILITIES

Respond faster to the unknown

# OTA



**DESCRIPTION:** Develop broad spectrum anti-viral therapeutic (such as Molnupiravir) to treat the Alphavirus threat (EEEV/VEEV/WEEV).

**CONTRACT TYPE and CONTRACT VEHICLE:** OTA – Cost Plus Fixed Fee

**ESTIMATED VALUE:** \$30M - \$40M

**CONTRACTING CONTACT:** Lee Hess - [lee.a.hess.civ@army.mil](mailto:lee.a.hess.civ@army.mil)

**DRAFT SOLICITATION RELEASE:** 3QFY23

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** TBD

**PRIOR/CURRENT CONTRACT INFORMATION:**

**Contract Number:** DTRA JSTO Contract vehicle

**Incumbent Contractor:** Emory/Merck

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# PLAGUE MABS



**DESCRIPTION:** Test and evaluation of monoclonal antibodies to include Phase 2 and Phase 3 clinical trials, associated manufacturing, non-clinical testing, and FDA licensure for the protection against aerosolized plague

**CONTRACT TYPE and CONTRACT VEHICLE:** OTA (to be determined)

**ESTIMATED VALUE:** \$250M

**CONTRACTING CONTACT:** Contract Office TBD

**Technical POC:** Wai Chung, (301)619-8471, waikwan.chung2.civ@army.mil

**DRAFT SOLICITATION RELEASE:** 3QFY23

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** 4QFY23

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# REACTIVATING NERVE AGENT TREATMENT SYSTEM (RNATS)



**DESCRIPTION:** RNATS will deliver a U.S. Food and Drug Administration (FDA)-approved broad-spectrum oxime to address emerging chemical threats and fourth generation agents (FGAs)

**CONTRACT TYPE and CONTRACT VEHICLE:** TBD

**ESTIMATED VALUE:** \$40M - \$70M

**CONTRACTING CONTACT:** Contracting Organization and KO TBD , Technical POC Ms. Amy Sands, 412-478-1263, amy.l.sands4.ctr@army.mil

**DRAFT SOLICITATION RELEASE:** 4QFY23

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** 1QFY24

**PRIOR/CURRENT CONTRACT INFORMATION:** N/A

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# NGDS 1 ID/IQ – BIOFIRE DEFENSE LLC



**DESCRIPTION:** Maintain and upgrade fielded Next Generation Diagnostics System 1 (NGDS 1) systems through hardware and software updates, and support production of NGDS 1 systems and associated assays and consumables to continue to address operational needs and emerging threats.

**CONTRACT TYPE and CONTRACT VEHICLE:** Sole Source FFP/CPFF, Indefinite Delivery/Indefinite Quantity (ID/IQ)

**ESTIMATED VALUE:** \$15-20M

**CONTRACTING CONTACT:**

Contracting POC - Susan Ruzicka, ACC-APG, Edgewood Division, 301-619-8802, [susan.e.ruzicka2.civ@army.mil](mailto:susan.e.ruzicka2.civ@army.mil)

Technical POC - JPM CBRN Medical, Stephanie Birth, 301-619-9278, [stephanie.l.birth.civ@army.mil](mailto:stephanie.l.birth.civ@army.mil)

**DRAFT SOLICITATION RELEASE:** None.

1. Sources Sought posted on 05 November 2022 (W911SR23SN0600)
2. Notice of Intent to Sole Source posted 2 December 2022

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** 2QFY23

**PRIOR/CURRENT CONTRACT INFORMATION:**

**Contract Number:** W911QY-13-D-0080

**Incumbent Contractor:** BioFire Defense LLC

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# NGDS 1 TECH REFRESH



**DESCRIPTION:** The NGDS 1 technology refresh to replace the current NGDS 1, in order to maintain the biological warfare diagnostic capability.

**CONTRACT TYPE and CONTRACT VEHICLE:** TBD

**ESTIMATED VALUE:** TBD

**CONTRACTING CONTACT:**

Contracting POC - TBD

Technical POC - JPM CBRN Medical, Stephanie Birth, 301-619-9278, [stephanie.l.birth.civ@army.mil](mailto:stephanie.l.birth.civ@army.mil)

**DRAFT SOLICITATION RELEASE:** TBD (PMO estimate 1QFY24)

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** TBD

**PRIOR/CURRENT CONTRACT INFORMATION:**

**Contract Number:** Contract W911QY-13-D-0080

**Incumbent Contractor:** BioFire Defense, LLC

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# ADVANCED DIFFERENTIAL DIAGNOSTICS (ADD)



**DESCRIPTION:** The DOD seeks differential diagnostic solutions that distinguish among classes of illness, identifies early infectious states, predicts severity of illness, or enables earlier treatment decisions.

**CONTRACT TYPE and CONTRACT VEHICLE:** OTA

**ESTIMATED VALUE:** \$20-35M; Multiple project agreements probable

**CONTRACTING CONTACT:**

Contracting POC - TBD

Technical POC - JPM CBRN Medical, Christopher Joyal, (301) 619-6041, [Christopher.a.joyal.civ@army.mil](mailto:Christopher.a.joyal.civ@army.mil)

**DRAFT SOLICITATION RELEASE:** 3QFY24

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** 4QFY24

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# NGDS 2 CHEMDX PRODUCTION CONTRACT



**DESCRIPTION:** NGDS 2 - Chemical Diagnostics (ChemDX) System Production Contract.

**CONTRACT TYPE and CONTRACT VEHICLE:** FFP

**ESTIMATED VALUE:** \$40M - \$54M

**CONTRACTING CONTACT:**

Contracting POC - ACC-APG, Edgewood Division, Richard Totten, (301) 619-2446, [Richard.w.totten2.civ@army.mil](mailto:Richard.w.totten2.civ@army.mil)

Technical POC - JPM CBRN Medical, Leanne Chacon, (301) 619-8434, [leanne.a.chacon.civ@army.mil](mailto:leanne.a.chacon.civ@army.mil)

**DRAFT SOLICITATION RELEASE:** 3QFY23

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** TBD

**PRIOR/CURRENT CONTRACT INFORMATION:**

**Contract Number:** MCDC-17-03-08-004

**Incumbent Contractor:** MRIGlobal; Conductive Technologies Inc.

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# POINTS OF CONTACT



JPM CBRN Medical TechWatch: <https://www.jepocbrnd.osd.mil/work-with-us>

- **COL Matthew Clark, Joint Project Manager CBRN Medical**
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- **Mr. Jeff Zerhusen, Deputy Joint Project Manager CBRN Medical**
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# CONTACT

## COL Matthew Clark

Joint Project Manager

Chemical, Biological, Radiological, Nuclear Medical

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# JPEO-CBRND



## ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFING TO INDUSTRY

April 2023

Mr. Steven Batts  
JPM CBRN Protection

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PROGRAMS EXECUTED ON BEHALF OF THE CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM

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# FY23 APBI

## Update Since FY22 APBI



**TOTAL ACTIONS BRIEFED: 4**

### **RFPs RELEASED: 6**

- Next Generation ColPro System (Next Gen CPS)
- Next Generation Respirators (Next Gen Respirators)
- Negative Pressure Container (NPC) Interactive Training
- Joint Service Aircrew Mask – Strategic Aircraft (JSAM-SA) Interactive Training
- Joint Service Aircrew Mask – Rotary Wing (JSAM-RW) Interactive Training
- CBRN Response Enterprise (CRE) PPE Class I/II and Class III Ensembles

### **ACTIONS AWARDED: 7**

- Service Equipment Decontamination System (SEDS)
- Tactical Contamination Mitigation System (TCMS)
- Next Generation ColPro System (Next Gen CPS)
- Negative Pressure Container (NPC) Interactive Training
- Joint Service Aircrew Mask – Strategic Aircraft (JSAM-SA) Interactive Training
- Joint Service Aircrew Mask – Rotary Wing (JSAM-RW) Interactive Training
- CBRN Response Enterprise (CRE) PPE Class I/II and Class III Ensembles

### **STRATEGY CHANGES: 0**

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# AUTONOMOUS DECONTAMINATION SYSTEM (ADS)



**DESCRIPTION:** Automated Decontamination System (ADS), a new start program in FY24, is a semi-autonomous supported capability that relies on precision detection capabilities, modernized decontaminants, and robotics to allow a chemical, biological, radiological and nuclear (CBRN) decontamination squad to provide platoon level thorough decontamination on critical mission equipment and infrastructure.

**CONTRACT TYPE and CONTRACT VEHICLE:** CWMD OTA

**ESTIMATED VALUE:** \$3M - \$7M

**CONTRACTING CONTACT:** ACC-NJ, AO TBD

**DRAFT SOLICITATION RELEASE:** 4QFY23

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** 1QFY24

**PRIOR/CURRENT CONTRACT INFORMATION:** N/A

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# **COLLECTIVE PROTECTION CONTAINERIZED EXPEDITION ENHANCED BIODEFENSE (COL PRO CONEX ENBD)**



**DESCRIPTION:** Collective Protection Containerized Expedition Enhanced Biodefense (COL PRO CONEX ENBD) will provide rest and relief for aircrew in a Chemical, Biological, Radiological, and Nuclear (CBRN) environment. The CPC CBRN defense system provides an isolation area to treat infectious personnel and protecting embarked crew from infection. It is a modified container/Conex box that can be transported to host platform with minimal setup.

**CONTRACT TYPE and CONTRACT VEHICLE:** CWMD OTA

**ESTIMATED VALUE:** \$1M-3M

**CONTRACTING CONTACT:** ACC-NJ, AO TBD

**DRAFT SOLICITATION RELEASE:** 4QFY23

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** 1QFY24

**PRIOR/CURRENT CONTRACT INFORMATION:** N/A

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# **PORTABLE PATIENT TRANSPORT SYSTEM ENHANCED BIODEFENSE (PPTS ENBD)**



**DESCRIPTION:** The Portable Patient Transport System Enhanced Biodefense (PPTS ENBD) is a patient transport system that enables safe transport of asymptomatic, symptomatic, or infected patients while ensuring that the medical attending personnel and platform crew members are protected from exposure.

**CONTRACT TYPE and CONTRACT VEHICLE:** CWMD OTA

**ESTIMATED VALUE:** \$2M-4M

**CONTRACTING CONTACT:** ACC-NJ, AO TBD

**DRAFT SOLICITATION RELEASE:** 4QFY23

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** 1QFY24

**PRIOR/CURRENT CONTRACT INFORMATION:** N/A

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# SHIPBOARD ISOLATION SYSTEM (SIS)



**DESCRIPTION:** Shipboard Isolation System (SIS) program is a new start in FY24 and will develop a kitted system that provides U.S. Navy ships the capability to setup an area to effectively isolate patients infected (or suspected of infection) with biological organisms or infectious disease. The SIS also allows medical staff to safely monitor and treat patients, and when necessary, provides a capability to safely evacuate patients off the ship. As a result, the spread of infectious disease among the crew will be minimized and the impact to mission readiness will be reduced significantly. Centers for Disease Control and Prevention (CDC) and DoD requirements for isolation and quarantine will be incorporated into the design of the SIS.

**CONTRACT TYPE and CONTRACT VEHICLE:** CWMD OTA

**ESTIMATED VALUE:** \$2M - \$8M

**CONTRACTING CONTACT:** ACC-NJ, AO TBD

**DRAFT SOLICITATION RELEASE:** 1QFY24

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** 2QFY24

**PRIOR/CURRENT CONTRACT INFORMATION:** N/A

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# UNIFORM INTEGRATED PROTECTION ENSEMBLE FAMILY OF SYSTEMS (UIPE FOS) FOOTWEAR



**DESCRIPTION:** The Uniform Integrated Protective Ensemble Family of Systems Footwear (UIPE FoS Footwear) program will provide the warfighter with percutaneous protection against liquid, vapor, dust, particulate, or sporulated toxic material, chemical and biological warfare agents and radiological fallout particles when worn as part of the Uniform Individual Protection Ensemble (UIPE). UIPE FoS Footwear will procure prototypes to evaluate footwear alternatives, conduct chemical agent swatch testing to inform initial down select of alternatives, conduct limited early user testing to garner feedback on service preferred alternatives.

**CONTRACT TYPE and CONTRACT VEHICLE:** CWMD OTA

**ESTIMATED VALUE:** \$2M - \$6M

**CONTRACTING CONTACT:** ACC-NJ, AO TBD

**DRAFT SOLICITATION RELEASE:** 4QFY23

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** 1QFY24

**PRIOR/CURRENT CONTRACT INFORMATION:** N/A

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# TACTICAL TEMPORARY COATINGS (TTC)



**DESCRIPTION:** The Tactical Temporary Coatings (TTC) will mitigate the affects of a CBRN attack by protecting assets from the affects of chemical warfare agents. It will enable the Joint Operating Forces to regain full operational lethality in all phases of military operations.

**CONTRACT TYPE and CONTRACT VEHICLE:** CWMD OTA

**ESTIMATED VALUE:** \$2M - \$6M

**CONTRACTING CONTACT:** ACC-NJ, AO TBD

**DRAFT SOLICITATION RELEASE:** 4QFY24

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** 1QFY25

**PRIOR/CURRENT CONTRACT INFORMATION:** N/A

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# **ADVANCED SYSTEM FOR PROTECTION AND INTEGRATED REDUCTION OF ENCUMBRANCES (ASPIRE) HOOD-MASK INTERFACE (HMI) OPTIMIZATION**



**DESCRIPTION:** Advanced System for Protection and Integrated Reduction of Encumbrances (ASPIRE) Hood-Mask Interface (HMI) program will incorporate upgrades into the current ground masks to optimize the interface between the Uniform Integrated Protective Ensemble Family of Systems General Purpose (UIPE FoS GP) and M50 series masks. The program will initiate optimization of the current ground mask systems to address suit hood/mask interface and conduct prototype build and evaluation of suit hood/mask interface improvements into current ground masks for down selection and refinement.

**CONTRACT TYPE and CONTRACT VEHICLE:** CWMD OTA

**ESTIMATED VALUE:** \$2M - \$15M

**CONTRACTING CONTACT:** ACC-NJ, AO TBD

**DRAFT SOLICITATION RELEASE:** 4QFY23

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** 1QFY24

**PRIOR/CURRENT CONTRACT INFORMATION:** N/A

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# CONTACT

## Mr. Steven Batts

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# JPEO-CBRND



## ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFING TO INDUSTRY

April 2023

COL Robert Carter III  
JPM CBRND Sensors

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PROGRAMS EXECUTED ON BEHALF OF THE CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM

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# **FY23 APBI**

## **Update Since FY22 APBI**



**TOTAL ACTIONS BRIEFED: 5**

**RFPs RELEASED: 2**

**ACTIONS AWARDED: 1**

- **CSIRP ROBOTIC PLATFORMS**

**STRATEGY CHANGES: N/A**

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# ADVANCED RADIOLOGICAL NUCLEAR DETECTION FAMILY OF SYSTEMS



**DESCRIPTION:** Modular gamma and neutron sensors that temporarily mount on manned or unmanned platforms to provide an advanced standoff and wide area radiological and nuclear (RN) detection and identification capability to locate, identify, and characterize RN material.

**CONTRACT TYPE and CONTRACT VEHICLE:** TBD

**ESTIMATED VALUE:** \$4M to \$30M

**CONTRACTING CONTACT:** TBD

**DRAFT SOLICITATION RELEASE:** 3QFY25

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** 1QFY26

**PRIOR/CURRENT CONTRACT INFORMATION:** N/A

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# NBCRV OBSOLESCENCE



**DESCRIPTION:** Verify vendors for production of CBRN sensors on NBCRV Stryker. This is to address current obsolescence and availability of sensors and spares.

**CONTRACT TYPE and CONTRACT VEHICLE:** TBD

**ESTIMATED VALUE:** \$5M

**CONTRACTING CONTACT:** TBD

**DRAFT SOLICITATION RELEASE:** 2QFY24

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** 3QFY24

**PRIOR/CURRENT CONTRACT INFORMATION:** N/A

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# NBCRV SSU NEXT GENERATION



**DESCRIPTION:** The design, development, integration, validation, and delivery of platform agnostic, integrated multi sensor prototypes to replace the currently fielded NBCRV Sensor Suite(s)

**CONTRACT TYPE and CONTRACT VEHICLE:** CWMD OTA

**ESTIMATED VALUE:** \$48M

**CONTRACTING CONTACT:** TBD

**DRAFT SOLICITATION RELEASE:** 1QFY23

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** 3QFY23

**PRIOR/CURRENT CONTRACT INFORMATION:** N/A

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# JPEO-CBRND



## ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFING TO INDUSTRY

April 2023

Mr. Michael Poe  
JPM CBRN Special Operations Forces (SOF)

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PROGRAMS EXECUTED ON BEHALF OF THE CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM

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# **FY23 APBI**

## **Update Since FY22 APBI**



**TOTAL ACTIONS BRIEFED: 4**

**RFPs RELEASED: 0**

**ACTIONS AWARDED: 0**

### **STRATEGY CHANGES:**

Next Generation Biological Sequencing (NGBS) – Program name changed to Far-Forward Biological Sequencing (FFBS); FY24 program new start

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# FAR-FORWARD BIOLOGICAL SEQUENCING (FFBS)



**DESCRIPTION:** FFBS will provide Special Operations Forces (SOF) with a rapid handheld biological sequencing system (handheld sequencing device, sample preparation, and bioinformatics) that will identify an unlimited number of Biological Weapon Agents to include emerging or engineering biological weapon threats. FFBS is an FY24 new start program of record.

**CONTRACT TYPE and CONTRACT VEHICLE:** TBD; TBD (Potential OTA)

**ESTIMATED VALUE:** \$4.0 - 4.5M

**CONTRACTING CONTACT:** TBD; Technical: Jonathan Sabol, 443-910-5247, jonathan.p.sabol2.civ@army.mil

**DRAFT SOLICITATION RELEASE:** Forecasted 1QFY24

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** Forecasted 1QFY24

**PRIOR/CURRENT CONTRACT INFORMATION:** N/A

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# TACTICAL ADVANCED THREAT PROTECTIVE ENSEMBLE NEW EQUIPMENT TRAINING (TATPE NET)



**DESCRIPTION:** TATPE provides high risk personnel increased protection against non-traditional and advanced threat agents during CWMD missions. TATPE system consists of government designed garment and COTS cooling system as well as existing fielded components for respiratory protection and hydration. For this requirement, the Contractor will deliver Government-developed Programs of Instruction to end users at each of the 14 fieldable locations listed in the Capability Development Document.

**CONTRACT TYPE and CONTRACT VEHICLE:** FFP and JPEO Urgent COTS & Sustainment IDIQ

**ESTIMATED VALUE:** \$180K- \$260K

**CONTRACTING CONTACT:** Contracting: GSA Boston, Kimberly McPhillips, [Kimberly.mcphillips@gsa.gov](mailto:Kimberly.mcphillips@gsa.gov); 860-315-0337; Technical: Seth Chouinard, 443-910-5289, [Seth.p.chouinard.civ@army.mil](mailto:Seth.p.chouinard.civ@army.mil)

**DRAFT SOLICITATION RELEASE:** 3Q/4QFY23

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** 3Q/4QFY23

**PRIOR/CURRENT CONTRACT INFORMATION:** N/A

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# INDIVIDUAL CWMD UNIFORM PACK (ICUP)



**DESCRIPTION:** The ICUP accommodates multiple PPE postures and ancillary equipment in one organized pack facilitating inventory, maintenance, transport, and storage protection of individual personal protective equipment.

**CONTRACT TYPE and CONTRACT VEHICLE:** FFP, JE-RDAP

**ESTIMATED VALUE:** \$650K-\$700K

**CONTRACTING CONTACT:** ACC Edgewood, Angel Quander, (410) 436-8565, [angel.y.quander.civ@army.mil](mailto:angel.y.quander.civ@army.mil); Technical POC: Richard Wallace, (443) 356-3324, [richard.d.wallace28.civ@army.mil](mailto:richard.d.wallace28.civ@army.mil)

**DRAFT SOLICITATION RELEASE:** 3QFY23

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** 3QFY23

**PRIOR/CURRENT CONTRACT INFORMATION:** N/A

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# CONTAINMENT WASTE MITIGATION SYSTEM (CWMS)



**DESCRIPTION:** The CWMS is a thermite decontamination system for chemical warfare agent (CWA) contaminated equipment and personal protective equipment (PPE) destruction / disposal. CWMS integrates into end user decontamination lines and procedures for onsite decontamination and rendering all material inoperable.

**CONTRACT TYPE and CONTRACT VEHICLE:** FFP, JE-RDAP

**ESTIMATED VALUE:** \$650K-\$700K

**CONTRACTING CONTACT:** ACC Edgewood, Alex Schupp, (410) 436-4448, alex.m.schupp.civ@army.mil; Technical POC: Richard Wallace, (443) 356-3324, richard.d.wallace28.civ@army.mil

**DRAFT SOLICITATION RELEASE:** 3QFY23

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** 3QFY23

**PRIOR/CURRENT CONTRACT INFORMATION:** N/A

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# WEARABLE ALL-HAZARD REMOTE MONITORING (WARP)



**DESCRIPTION:** WARP is a family of wearable and attachable sensors to collect, transmit, and integrate situational awareness information about the operational environment, disposition of assault force members, and status of key mission equipment to optimize actions on the objective and facilitate reconstruction of the force post-mission.

**CONTRACT TYPE and CONTRACT VEHICLE:** FFP, TBD

**ESTIMATED VALUE:** \$2.5M - \$3.0M

**CONTRACTING CONTACT:** TBD; Technical POC: Dave Williamson, (254) 833-3860, david.l.williamson46.civ@army.mil

**DRAFT SOLICITATION RELEASE:** 1QFY24

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** 1QFY24

**PRIOR/CURRENT CONTRACT INFORMATION:** N/A

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# STRATEGIC INITIATIVES / FUTURE CONCEPTS



Continue SOF Capability Engagements with industry to manage requirements generation and materiel solutions for future needs in:

- Ocular and respiratory protection to reduce operator impacts (e.g., PAPR, lower thermal burden)
- CBRND modular transport/storage packs/systems
- Higher confidence standoff, remote sensor systems for low volatility agent challenges
- Advanced concepts for decontamination of transportation systems to maintain OPTEMPO/DEPTMPO of operational assets

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# CONTACT

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# CBRN SENSOR INTEGRATION ON ROBOTIC PLATFORMS (CSIRP) – PHASE 3



**DESCRIPTION:** CSIRP provides integration and engineering of COTS/GOTS sensors for unmanned platform integration. Focus on demonstrating current capabilities that have been engineered to fit reduced-swap CBRN requirements for low-level production. This phase will focus on advanced sensors such as standoff detection, and integration on a wider variety of unmanned platforms such as micro unmanned aircraft, large fixed wing unmanned aircraft, and legged robots.

**CONTRACT TYPE and CONTRACT VEHICLE:** CWMD OTA

**ESTIMATED VALUE:** \$20M - \$50M

**CONTRACTING CONTACT:** TBD

**DRAFT SOLICITATION RELEASE:** 4QFY24

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** 1QFY25

## **PRIOR/CURRENT CONTRACT INFORMATION:**

Contract number: W15QKN-18-9-1004 CWMD 19 -11 (OTA)

Incumbent contractor(s): OTAs were awarded to T2S Solutions, LLC; Intelligent Optical Systems (IOS); Draper Laboratory; Radiation Monitoring Devices, Inc (RMD).

*"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."*

# CONTACT

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# JPEO-CBRND

## POST APBI UPDATE – NEXGEN WRAHP AND JEM/JWARN

May 2023

Mr. Andrew (Drew) Murphy  
Joint Product Lead, JPdL CBRN Integrated Early Warning

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PROGRAMS EXECUTED ON BEHALF OF THE CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM

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# PURPOSE AND UPDATE



- Purpose: To correct, clarify and update projections for Next Generation Warning Reporting and Hazard Prediction (NEXGEN WRAHP) and the Joint Effects Model/Joint Warning and Reporting Network (JEM/JWARN)
- Update:
  - NEXGEN WRAHP: This agreement under the CWMD OTA will be for modernization of CBRN Software capabilities for CBRN Warning Reporting, Analysis, and Hazard Predication
    - Projected RPP Release: 3QFY23
    - Projected Award: 2QFY24
  - JEM/JWARN: This contract action under the PD-CHESS ITES vehicle is for the continuous engineering of JEM/JWARN products
    - Projected Draft RFP Release: Early 4QFY23
    - Projected RFP Release: 4QFY23
    - Projected Award: 2QFY24

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# CONTACT

## Mr. Andrew (Drew) Murphy

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