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# JPEO-CBRND



## ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFING TO INDUSTRY

April 25, 2024

Mr. Al Burket

Program Manager, FAR-based Contracts  
Chief Contracting Office  
Joint Program Executive Office Chemical, Biological,  
Radiological and Nuclear Defense

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**  
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**PIVOT**  
to incremental capability

# AGENDA



- Joint Enterprise Omnibus Program, Engineering and Technical Support (JE-OPETS) and the future CBRND Professional Services
- The Joint Enterprise Contracted Logistics and Services Support (JE-CLaSS) II
- Joint Enterprise – Research, Development, Acquisition and Prod/Proc (JE-RDAP)
- Urgent Commercial Off-The-Shelf (COTS) and Sustainment

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# JE-OPETS



- JE-OPETS contracts provide the majority of Program Management and Systems Engineering and Technical Assistance (SETA) support services for the JPEO-CBRND
- JE-OPETS consists of 3 Multiple Award (MA) IDIQs for Professional Services, each with a \$249M ceiling (\$747M total)
  - Acquisition: Ordering Period ends 19 Dec 2024, performance ends 19 Dec 2025
  - Logistics and Medical: Ordering Period ends 15 Jan 2025, performance ends 15 Jan 2026
  - Business & Analytical, Engineering & Technical, Information Technology: Ordering Period ends 12 Feb 2025, performance ends 12 Feb 2026
  - 19 companies
- Approximately 18 current TOs. The majority will expire by 18 Aug 2025 (including their 6-month dash 8 extension)
- Organizations Supported: JPEO-CBRND, USAF CBRN Branch, DEVCOM, National Guard Bureau, Naval Surface Warfare Center, USMC
- Total Full Time Equivalent (FTEs): Over 300
- Total Annual Dollars: Approximately \$50M Annually

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# FUTURE CBRND PROFESSIONAL SERVICES



- No new JPEO-CBRND HQ centrally managed MA IDIQ to succeed JE-OPETS
- Requirements owners (JPMs/JPLs/HQs) will determine the best approach for their professional services
- Use existing Category Management (CM) Tier 2 or 3-rated vehicles or approaches where possible
- Primary approach recommended to requirements owners:
  - Place TOs on GSA's One Acquisition Solution for Integrated Services Plus (OASIS+) after OASIS+ is awarded
    - Use OASIS for risk reduction, if needed
  - Use CHES for IT-related services
    - Other vehicles may be considered for cloud services, software development, and continuous software evolution service-type contracts
  - Requirements owners may use other approaches
- Two Industry Days were announced on SAM.gov and held 6 Dec 2023 and 15 Feb 2024
  - Industry Day 1 discussed the overarching strategy and timing
  - Industry Day 2 discussed potential task order opportunities
  - Draft PWSs were posted on SAM.gov with the 15 Feb 2024 Industry Day announcement

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# APPROXIMATE SCHEDULE FOR POTENTIAL PROFESSIONAL SERVICES OPPORTUNITIES



- CBRND Professional Services TOs for OASIS+
  - RFP Release 4QFY24-1QFY25
  - Award 3-4QFY25
  - PoP begins 19 Aug 2025
  - *Note: The government may post draft RFPs on OASIS+, or SAM.gov if OASIS+ is not awarded*
- CBRND Professional Services TOs for OASIS, if used for Risk Reduction
  - RFP Release 3QFY24
  - Award 1QFY25
  - PoP begins 19 Feb 2025
  - *Note: The government may post draft RFPs on OASIS, or SAM.gov if OASIS+ is not awarded*

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# POTENTIAL PROFESSIONAL SERVICES OPPORTUNITIES (SUBJECT TO CHANGE OR CANCELLATION)



	Requirement Owner & TO #	Planned Primary NAICS	Planned IDIQ Contract	Planned OASIS+ Domain
1	JPEO-CBRND HQ TO 1	541611	OASIS+ Small Business	Management & Advisory
2	JPM CBRN Sensors TO 1	541611	OASIS+ Small Business	Management & Advisory
3	JPM CBRN Sensors TO 2	541330, Exception 1 (or A)	OASIS+ Small Business	Technical & Engineering
4	JPM CBRN Sensors TO 3	541614	OASIS+ Small Business	Management & Advisory
5	JPM CBRN Protection TO 1	541611	OASIS+ Small Business	Management & Advisory
6	JPM CBRN Protection TO 2	541715	OASIS+ Small Business	Research & Development
7	JPL CBRND Enabling Biotechnologies TO 1	541611	OASIS+ Small Business	Management & Advisory
8	JPL CBRND Enabling Biotechnologies TO 2	541714	OASIS+ Unrestricted	Research & Development
9	JPL CBRN Integration TO 1	541715	OASIS+ Small Business	Research & Development
10	DEVCOM TO 1	NA	Cancelled (using another approach)	NA
11	JPM CBRN Medical TO 1	541611	OASIS+ Small Business	Management & Advisory
12	JPM CBRN Medical TO 2	NA	Cancelled (using another approach)	NA

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# 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 are posted at <https://www.jpeocbrnd.osd.mil/Work-With-Us/> under Contracting Focus Areas

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# 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

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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.medcbrn.org](http://www.medcbrn.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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# COUNTERING WEAPONS OF MASS DESTRUCTION (CWMD) OTHER TRANSACTION AGREEMENT (OTA) SCOPE



- Provides rapid prototyping for technologies that enable or enhance the understanding of the Chemical, Biological Radiological, and Nuclear (CBRN) operational environment, threats, and vulnerabilities; control, defeat, disable, and/or dispose of Weapons of Mass Destruction (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
  - CBRN 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 CBRN 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 CBRN contested environments.
- 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 Federal Acquisition Regulation (FAR) and its 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 - (Terms & Conditions, agreement types, evaluation process, success metrics, deliverables)
- Streamlined – (Enhanced White Paper w/ROM vice formal proposal).
- FAR DOES **NOT** APPLY

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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
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

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

<b>Target</b>	<b>150</b>	<b>150</b>
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# KEY PROGRAM ROLES & RESPONSIBILITIES



## 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

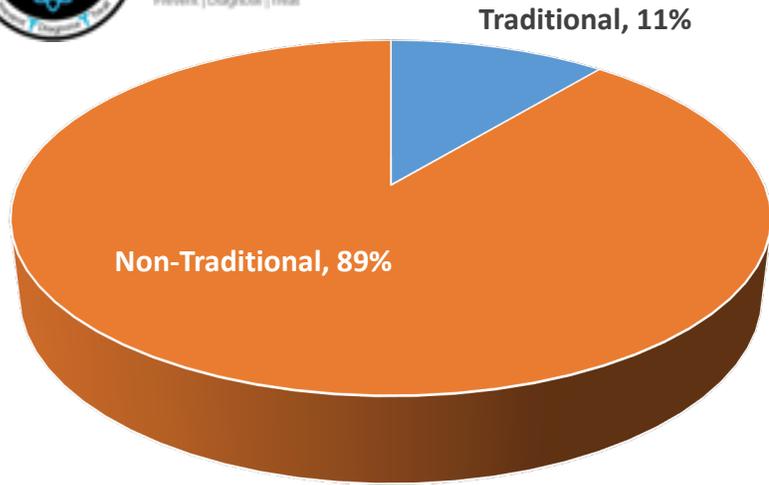
## Consortium Management Firm (ATI)

- 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

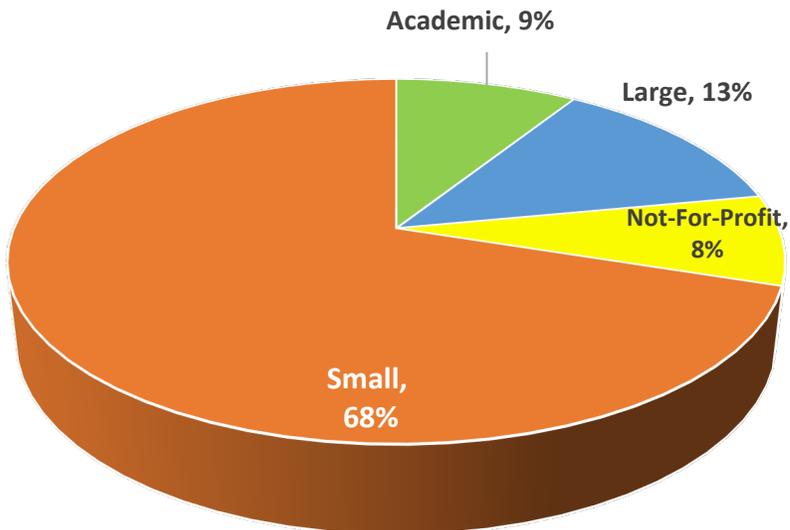
## Agreements Officer's Representative

- 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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Non-Traditional/Traditional Distribution



Business Class Distribution

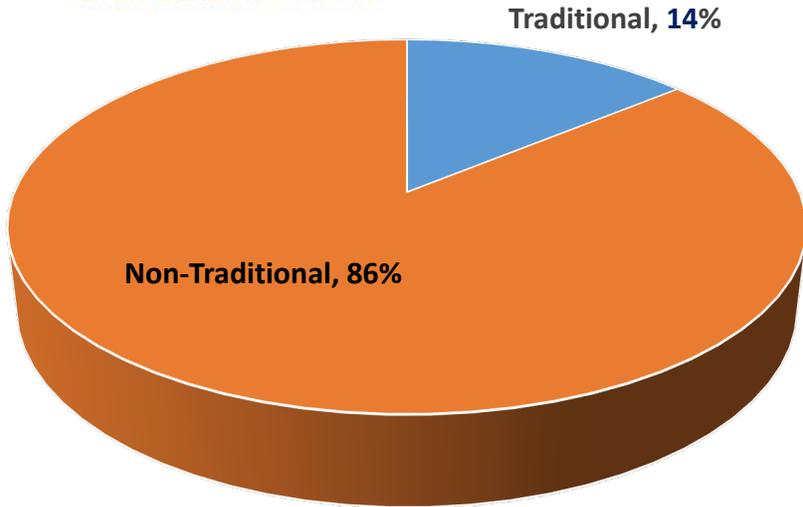
- FY 16, 17 RPP (6 Projects), 5 Awards, 0 Basket; FY 16-17 Basket Pulls – 1
- FY 18 RPP (17 Projects), 6 Awards, 0 Basket; FY 18 Basket Pulls – 10
- FY 19 RPP (14 Projects), 21 Awards, 0 Basket, FY 19 Basket Pull – 4
- FY 20 RPP (17 projects), 27 Awards, 0 Basket, FY 20 Basket Pull – 1
- FY 21 RPP (9 Projects), 18 Awards, 21 Basket, FY 21 Basket Pull – 0
- FY 22 RPP (8 Projects), 8 Awards, 26 Basket; FY 22 Basket Pulls – 0
- FY 23 RPP (1 Projects), 9 Awards, 0 Basket; FY23 Basket Pulls – 1
- FY 24 RPP (2 Projects), 2 Awards, 0 Basket; FY24 Basket Pulls – 2

**305 Members**

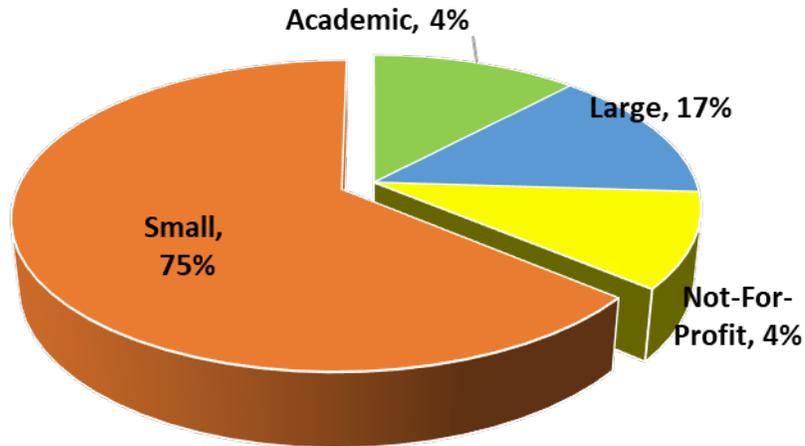
**96 Total Awarded Projects**  
**72 Active Funded Projects**

- 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

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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), 30 Awards, 07 Basket, FY 20 Basket Pull - 4**
- **FY 21 RPP (19 Projects), 52 Awards, 45 Basket, FY 21 Basket Pull - 7**
- **FY 22 RPP (08 Projects), 24 Awards, 28 Basket, FY 22 Basket Pull - 10**
- **FY 23 RPP (18 Projects), 14 Awards, 63 Basket, FY 23 Basket Pull - 10**
- **FY 24 RPP (05 Projects), 00 Awards, 00 Basket, FY 23 Basket Pull - 0**

**398 Members**

**192 Total Awarded Projects**  
**89 Active Funded Projects**

- **Awarded Ceiling - \$1,370,512,061**
- **Total Cost (w/CMF Fee) \$1,383,934,454**
- **Funded To Date - \$1,065,977,767**
- **Disbursed (Inc CMF C&F) \$ 1,076,322,447**
- **Paid to Performer - \$1,043,117,725**

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# BROAD OTHER TRANSACTION AUTHORITY ANNOUNCEMENTS (BOTAA)



## Combating Weapons of Mass Destruction (CWMD)

- CWMD BOTAA-24-01; W911SR-24-R-CWMD Published 2/7/2024 ([SAM.gov](https://sam.gov))

### Mission 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.
- Software and Artificial Intelligence (AI) platform technology to achieve CBRN Defense integration, interoperability, and interdependence across all warfighting domains and functions.
- Other operations related to the CWMD mission

### Modernization Focus Areas:

- Flexible, Scalable, and Interoperable Threat Agnostic Detection
- Threat Characterization and Hazard Modeling
- Artificial Intelligence and Machine Learning
- Wearable Sensors
- CBRN Information Nested with Joint All-Domain Command and Control
- Unobtrusive Individual Protection
- Biothreat Containment and Aeromedical Evacuation to Assure Continuity of Operations
- Quick and Effective Decontamination to Contain and Neutralize Spread

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# CONTACT

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April 25, 2024

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Joint Project Manager for Chemical, Biological,  
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# FY24 APBI UPDATE SINCE FY23 APBI



## RFPs RELEASED: 2

- Advanced System for Protection and Integrated Reduction of Encumbrances (ASPIRE) Hood-Mask Interface (HMI)
- Joint Service Aircrew Mask – Rotary Wing (JSAM-RW) Mask Protective Unit-5(V)/P (MPU-5(V)/P) Pressure Breathing for Altitude (PBA) Capability

## ACTIONS AWARDED: 1

- Tactical Contamination Mitigation System (TCMS)

## STRATEGY CHANGES: 0

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# AUTONOMOUS DECONTAMINATION SYSTEM (ADS)



**DESCRIPTION:** The Autonomous Decontamination System (ADS) program will provide a semi-autonomous supported capability that relies on precision detection capabilities, modernized decontaminants, and robotics to allow a Chemical, Biological, Radiological and Nuclear decon squad to provide thorough decontamination on critical mission equipment.

**CONTRACT TYPE and CONTRACT VEHICLE:** TBD

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

**CONTRACTING CONTACT:** TBD

**DRAFT SOLICITATION RELEASE:** 4QFY24

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** 1QFY25

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

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# BIOCONTAINMENT ISOLATION SYSTEM (BCIS) ENHANCED BIODEFENSE (ENBD)



**DESCRIPTION:** The Biological Containment Isolation System - Enhanced Biological Defense (BCIS-ENBD) will provide a ground-based isolation area for personnel infected or suspected of infection of biological organism or infectious disease and allows medical staff to monitor and/or treat while decreasing the risk of infecting other patients and staff.

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

**ESTIMATED VALUE:** \$1M-\$2M

**CONTRACTING CONTACT:** ACC-NJ, Action Officer (AO) TBD

**DRAFT SOLICITATION RELEASE:** 2QFY25

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** 3QFY25

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

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# PORTABLE PATIENT TRANSPORT SYSTEM ENHANCED BIODEFENSE (PPTS ENBD)



**DESCRIPTION:** Portable Patient Transport System - Enhanced Biological Defense (PPTS-ENBD) will provide a biocontainment isolation system to safely transport personnel infected or suspected of infection from a biological threat.

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

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

**CONTRACTING CONTACT:** ACC-NJ, Action Officer (AO) TBD

**DRAFT SOLICITATION RELEASE:** 2QFY25

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** 3QFY25

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

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# SHIPBOARD ISOLATION SYSTEM (SIS)

**DESCRIPTION:** Shipboard Isolation System (SIS) will provide the capability to temporarily isolate or quarantine personnel to prevent the spread of a biological threat and safely evacuate patients for transfer off the ship. Capability will contain and medically monitor/treat patients while protecting embarked crew and personnel.

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

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

**CONTRACTING CONTACT:** ACC-NJ, Action Officer (AO) TBD

**DRAFT SOLICITATION RELEASE:** 2QFY25

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** 3QFY25

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

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# ADVANCED SYSTEM FOR PROTECTION AND INTEGRATED REDUCTION OF ENCUMBRANCES (ASPIRE)



**DESCRIPTION:** Advanced System for Protection and Integrated Reduction of Encumbrances (ASPIRE) will provide respiratory and ocular protection against Chemical, Biological, Radiological and Nuclear threats that allows near normal operations by minimizing or eliminating physical and psychological burden and increasing Warfighter lethality.

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

**ESTIMATED VALUE:** \$3M-\$15M

**CONTRACTING CONTACT:** ACC-NJ, Action Officer (AO) TBD

**DRAFT SOLICITATION RELEASE:** 3QFY25

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** 3QFY25

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

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# CONTACT

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# JPEO-ABRND



## ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFING TO INDUSTRY

April 25, 2024

**COL Matthew Clark**

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

**Jeff Zerhusen**

Deputy, JPM CBRN Medical

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

# FY24 APBI UPDATE SINCE FY23 APBI



## RFPs RELEASED:

- Anthrax Vaccine Adsorbed (AVA)
- Vendor Managed Inventory (VMI)
- Next Generation Diagnostics System 1 (NGDS 1) Technology Refresh (Federal Acquisition Regulation (FAR)-based contract)
- Advanced Differential Diagnosis (ADD)
- Reactivating Nerve Agent Treatment System (RNATS)

## ACTIONS AWARDED:

- Anthrax Vaccine Adsorbed (FAR-based contract)
- Vendor Managed Inventory (FAR-based contract)
- Upgraded and maintain NGDS 1 systems (FAR-based contract)
- Botulinum Therapeutic (BOT TX) (Other Transaction Agreement (OTA) leveraged)

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# FY24 APBI UPDATE SINCE FY23 APBI



## RFPs TO BE RELEASED:

- Medical Countermeasure Manufacturing Optimization (MCM MFRO) Advanced Manufacturing of Active Pharmaceutical Ingredients (APIs) and Small Molecule Synthesis (Slide 5)
- Next Generation Diagnostics System 2 – Chemical Diagnostics (NGDS 2 ChemDX) System Production Contract (Slide 6)
- NGDS 2 – Man Portable Diagnostic System (MPDS) Production Contract (Slide 7)
- Consolidated Nerve Agent Treatment System (CNATS) (Slide 8)

## STRATEGY CHANGES:

- NGDS 2 ChemDX System Production Contract – Schedule Change (Slide 6)
- NGDS 2 MPDS Production Contract (new add for FY24 APBI – Slide 7)

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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)

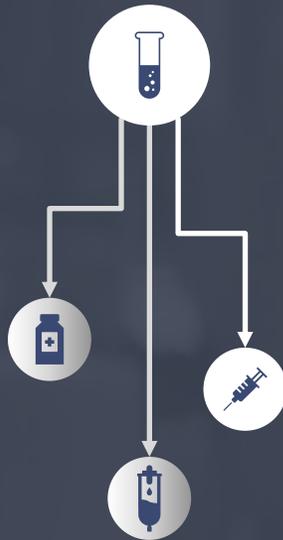
## Differential diagnostics

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



# JPEO MEDICAL STRATEGY

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

# TARGETED

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



**Programs of Record**

**Tier 4**

**Tier 3**

**Tier 2**

**Tier 1**

## Endpoints

Food and Drug Administration (FDA) licensure

Interim fielding capability

Ready to file with the FDA

Candidate validation

Computational & preclinical data package

Upfront costs

Time to deploy

## Repurposed MCMs

Symptomatic or host-immune targeted treatment



AI-enabled development and retargeting

Prototype MCMs across threat families

Refined platform technologies

Flexible manufacturing network

# EXPLOIT RAPID RESPONSE CAPABILITIES

Respond faster to the unknown

# MEDICAL COUNTERMEASURE - MANUFACTURING OPTIMIZATION (MCM MFRO): ADVANCED MANUFACTURING OF ACTIVE PHARMACEUTICAL INGREDIENTS (API) AND SMALL MOLECULE SYNTHESIS



**DESCRIPTION:** JPM CBRN Medical is seeking development and execution of novel approaches or alternative synthetic routes of advanced manufacturing, to include planned milestones, to develop and deliver API under U.S. Food and Drug Administration (FDA) current Good Manufacturing Practice (cGMP) regulations that can plug and play into existing processes and used in MCM drug products.

**CONTRACT TYPE and CONTRACT VEHICLE:** Pursuing two contracts: 1) CBRND BAA – OTA; 2) BioMaP Consortium – OTA (ASPR/BARDA)

**ESTIMATED VALUE:** \$20-25M

**CONTRACTING CONTACT:** Technical POC: Max Jones, (202) 631-0101, [max.s.jones3.civ@army.mil](mailto:max.s.jones3.civ@army.mil)

1) CBRND BAA – Contracting POC: ACC-APG, KO: Brian Mazen, (520) 671-3728, [brian.e.mazen.civ@army.mil](mailto:brian.e.mazen.civ@army.mil)

2) BioMaP Consortium – Contracting POC: TBD

**DRAFT SOLICITATION RELEASE:** 1) CBRND BAA: February 2024; 2) BioMaP Consortium: 3QFY24

**SOLICITATION #:** 1) CBRND BAA: W911SR-24-R-MFRO; 2) BioMaP Consortium: TBD

**ESTIMATED SOLICITATION RELEASE DATE:** 1) CBRND BAA: 20 February 2024; 2) BioMaP Consortium: 3QFY24

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

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# NEXT GENERATION DIAGNOSTICS SYSTEM 2 – CHEMICAL DIAGNOSTICS (NGDS 2 CHEMDX) CHEMDX PRODUCTION CONTRACT



**DESCRIPTION:** NGDS 2 ChemDX System Production Contract

**CONTRACT TYPE and CONTRACT VEHICLE:** Fixed-Price Incentive Firm Target (FPIF), Single Award (SA) Indefinite Delivery/Indefinite Quantity (ID/IQ)

**ESTIMATED VALUE:** \$80-90M

**CONTRACTING CONTACT:**

Contracting POC - ACC-APG, Natick Division, Dan Adams, (508) 206-2040, [dan.l.adams2.civ@army.mil](mailto:dan.l.adams2.civ@army.mil)  
Technical POC - JPM CBRN Medical, Leanne Chacon, (520) 672-3760, [leanne.a.chacon.civ@army.mil](mailto:leanne.a.chacon.civ@army.mil)

**DRAFT SOLICITATION RELEASE:** N/A

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** 3QFY24

**PRIOR/CURRENT CONTRACT INFORMATION:**

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

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

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# NEXT GENERATION DIAGNOSTICS SYSTEM 2 – MAN PORTABLE DIAGNOSTIC SYSTEM (NGDS 2 MPDS) PRODUCTION CONTRACT



**DESCRIPTION:** NGDS 2 MPDS Production Contract

**CONTRACT TYPE and CONTRACT VEHICLE:** TBD, likely FFP Single Award (SA) Indefinite Delivery/Indefinite Quantity (ID/IQ)

**ESTIMATED VALUE:** \$75-85M

**CONTRACTING CONTACT:**

Contracting POC - ACC-APG, TBD

Technical POC - JPM CBRN Medical, Royce Bruce, 703-408-4357, [royce.a.bruce.civ@army.mil](mailto:royce.a.bruce.civ@army.mil)

**DRAFT SOLICITATION RELEASE:** N/A

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** 2QFY25

**PRIOR/CURRENT CONTRACT INFORMATION:**

**Contract Number:** MCDG-17-03-07-009

**Incumbent Contractor:** Cepheid

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# CONSOLIDATED NERVE AGENT TREATMENT SYSTEM (CNATS)



**DESCRIPTION:** The CNATS will increase survivability by delivering a medical countermeasure (MCM) that integrates multiple therapeutics in a modernized multi-chambered autoinjector that provides greater efficacy against chemical warfare nerve agent (CWNA) threats and unencumbers the warfighter.

**CONTRACT TYPE and CONTRACT VEHICLE:** TBD

**ESTIMATED VALUE:** \$95M

**CONTRACTING CONTACT:** Contracting Organization and Contracting Officer (KO) TBD  
**Technical POC:** Briana Kenerson, 443-340-3311, [briana.a.kenerson.civ@army.mil](mailto:briana.a.kenerson.civ@army.mil)

**DRAFT SOLICITATION RELEASE:** 3QFY24

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** 4QFY24

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

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# STRATEGIC INITIATIVES / FUTURE CONCEPTS



- **AD TX**
  - JPM CBRN Medical is seeking the development of broad-spectrum antiviral therapeutics against highly contagious emerging threats to the warfighter. Initial drug development efforts will target hemorrhagic diseases of the Arenavirus and Paramyxovirus viral families.
- **HD TX**
  - The JPM CBRN Medical is seeking development of host-directed broad-spectrum antiviral therapeutics against emerging threats to threat the warfighter through different mechanisms of action following virus exposure.
- **Vaccine Acceleration by Modular Progression (VAMP) Program**
  - The VAMP program delivers vaccine candidates against new and emerging CBRN threats to the warfighter by leveraging advanced developed prototype platforms through a system-of-systems approach.
  - The JPM CBRN Medical Broad Agency Announcement (BAA) is available for white paper submission.
- **Rapid Acquisition and Investigation of Drugs for Repurposing (RAIDR) Program**
  - The RAIDR program develops repurposed drugs as MCMs towards known, potential, and emerging threats, bridging the gap from when a threat is identified until a targeted countermeasure becomes available. Evidence collected informs the DOD's Clinical Practice Guidelines (CPGs) for treatment of chemical and biological injuries.
  - The JPM CBRN Medical BAA is available for white paper submission.
  - OASIS contract with Battelle Memorial Institute available for nonclinical testing.
- **Surveillance and Pathogen Characterization (SPCHAR) Program**
  - The SPCHAR program will utilize pathogenicity studies to investigate development of disease of CBRN threat agents and verify usefulness of threat disease models.
  - The JPM CBRN Medical BAA is available for white paper submission.

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# POINTS OF CONTACT



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# CONTACT

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# JPEO-CBRND

## ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFING TO INDUSTRY

April 25, 2024

**COL Robert Carter**  
Joint Project Manager for CBRN Sensors.

PROGRAMS EXECUTED ON BEHALF OF THE CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM

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

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# FY24 APBI UPDATE SINCE FY23 APBI



**RFPs RELEASED: 0**

**ACTIONS AWARDED: 0**

**STRATEGY CHANGES: 0**

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# MAN-PORTABLE RADIOLOGICAL DETECTION SYSTEM INTEGRATION AND LOGISTICS SUPPORT



**DESCRIPTION:** This effort focuses the requirement for system integration, logistic support services and procurement of MRDS sensors and sensor warranties. The awardee will ensure the MRDS components are fully integrated into an interoperable MRDS for the varying equipment sets and ready for fielding to the operational units.

**CONTRACT TYPE and CONTRACT VEHICLE:** Indefinite Quantity/Indefinite Delivery; JPEO-CBRND Rapid Acquisition COTS

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

**CONTRACTING CONTACT:** General Services Administration, Ms. Kimberly McPhillips, 617-283-6506, [kimberly.mcphillips@gsa.gov](mailto:kimberly.mcphillips@gsa.gov); Ms. Lisa Liebermann, 410-417-3230, [lisa.r.liebermann.civ@army.mil](mailto:lisa.r.liebermann.civ@army.mil)

**DRAFT SOLICITATION RELEASE:** None

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** 3QFY24

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

**Contract Number:** 47QFNA20D0008/47QFNA22F0007

**Incumbent Contractor:** Interfuze Corporation

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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 - \$30M

**CONTRACTING CONTACT:** TBD, Eric Miller, (410) 417-3273, [steven.e.miller94.civ@army.mil](mailto:steven.e.miller94.civ@army.mil)

**DRAFT SOLICITATION RELEASE:** 3QFY25

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** 1QFY26

**PRIOR/CURRENT CONTRACT INFORMATION:**

**Contract Number:** N/A

**Incumbent Contractor:** N/A

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# CHEMICAL INDICATORS (CIND)

**DESCRIPTION:** Low size, weight, power, cost technologies to indicate the presence of chemical hazards to include but not limited to chemical warfare agents, non-traditional agents, pharmaceutical based agents, toxic industrial chemicals, and toxins that are present in the various states of matter.

**CONTRACT TYPE and CONTRACT VEHICLE:** Other Transactional Authority (OTA)

**ESTIMATED VALUE:** \$2M - \$10M

**CONTRACTING CONTACT:**, Louis Anderson, (410) 417-3455, [louis.c.anderson.civ@army.mil](mailto:louis.c.anderson.civ@army.mil)

**DRAFT SOLICITATION RELEASE:** 3QFY25

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** TBD

**PRIOR/CURRENT CONTRACT INFORMATION:**

**Contract Number:** N/A

**Incumbent Contractor:** N/A

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# STRATEGIC INITIATIVES / FUTURE CONCEPTS



JPM Sensors is developing a technology/capability roadmap to identify near term requirements for Chemical, Biological and Radiological detection. This roadmap incorporates the Integrated Layered Defense concept, will be agent agnostic and take into account the threat landscape. Anticipated outcomes include prioritization of investments over the next 5+ years to address capability gaps tied to technical maturity and need.

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# CONTACT

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# JPEO-CBRND



## ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFING TO INDUSTRY

April 25, 2024

**Ms. Lindsay Longobardi**  
Joint Project Manager for Chemical, Biological, Radiological and  
Nuclear Special Operations Forces (JPM CBRN SOF)

PROGRAMS EXECUTED ON BEHALF OF THE CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM

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# FY24 APBI

## UPDATE SINCE FY23 APBI



### ACTIONS AWARDED: 3

- Tactical Advanced Threat Protective Ensemble New Equipment Training (TATPE NET) via the Joint Program Executive Office Chemical, Biological, Radiological and Nuclear Defense (JPEO-CBRND), Rapid Commercial Off-the-Shelf (COTS) Equipment Contract
- Individual (CWMD) Uniform Pack (ICUP) via JPEO-CBRND Rapid COTS Equipment Contract
- Containment Waste Mitigation System (CWMS) via JPEO-CBRND Rapid COTS Equipment Contract

### STRATEGY CHANGES: 2

- Hyper Spectral Imaging on Unmanned Aerial System did not transition from the Defense Threat Reduction Agency (DTRA) to JPM CBRN SOF
- Far Forward Biological Sequencing; Full & Open Other Transaction Agreement (OTA) advertised via Broad OTA Announcement CWMD BOTAA-24-01 W911SR-24-R-CWMD

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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; Contract Vehicle TBD

**ESTIMATED VALUE:** \$35M - \$40M

**CONTRACTING CONTACT:** Contracting Organization name & KO TBD; Technical POC: David Williamson; (254) 833-3860; [david.l.williamson46.civ@army.mil](mailto:david.l.williamson46.civ@army.mil)

**DRAFT SOLICITATION RELEASE:** TBD

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** FY25

**PRIOR/CURRENT CONTRACT INFORMATION:** Not Applicable

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# ALL-PURPOSE PERSONAL PROTECTIVE ENSEMBLE – MODERNIZATION (AP-PPE MOD)



**DESCRIPTION:** The AP-PPE Mod provides protection for personnel from Chemical/Biological contaminants when worn as part of the total ensemble comprised of overgarment, hood, and footwear, providing 24 hours of protection to the user. This upcoming Theater requirement is expected to be for a quantity, with options, of up to 25,000 AP-PPE Mod ensembles.

**CONTRACT TYPE and CONTRACT VEHICLE:** FFP; Contract Vehicle TBD

**ESTIMATED VALUE:** \$53M – \$56M

**CONTRACTING CONTACT:** Contracting Organization name & KO TBD; Technical POC: MAJ Tavon Cooper; (443) 910-5212; [tavon.m.cooper.mil@army.mil](mailto:tavon.m.cooper.mil@army.mil)

**DRAFT SOLICITATION RELEASE:** Mid FY25

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** Late FY25

**PRIOR/CURRENT CONTRACT INFORMATION:**

**Contract Number:** Delivery Order W911QY22F0025

**Incumbent Contractor:** Tennessee Apparel Corporation

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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/DEPTTEMPO of operational assets

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# CONTACT

## Ms. Lindsay Longobardi

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# JPEO-CBRND



## ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFING TO INDUSTRY

April 25, 2024

**Mr. Paul Gietka**

Joint Project Lead for Chemical, Biological, Radiological,  
Nuclear (JPL CBRN) Integration

PROGRAMS EXECUTED ON BEHALF OF THE CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM

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# FY24 APBI UPDATE SINCE FY23 APBI



## **CBRN Support to Command and Control (CSC2):**

- Approved to enter Execution Phase by MDA
- Phase 1 contract solicitation released 4QFY23
- Expected award date 3QFY24

## **CBRN Information System (CBRN-IS) / Joint Effects Model (JEM) / Joint Warning and Reporting Network (JWARN):**

- Maintain continuous engineering/continuous integration efforts

## **MOBILE FIELD KIT (MFK):**

- Assigned to JPL CBRN Integration starting in FY24

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# CBRN SUPPORT TO COMMAND AND CONTROL (CSC2) INTEGRATED EARLY WARNING PHASE 2



**DESCRIPTION:** Integrated Early Warning (IEW) Phase 2 consists of objective areas including:

- Objective 1: Integration, visualization, and analysis of data from CBRN sensors and Physiological Status Monitors (PSMs) accrued at the tactical and operational levels
- Objective 2: Modernization of CBRN Warning Reporting and Advanced Hazard Prediction (WRAHP) capabilities
- Objective 3: Initial integration of non-CBRN operational and open-source information to enable IEW decision-making both for homeland and warfighter missions
- Objective 4: CBRN mission planning and execution decision support tools
- Objective 5: Initial convergence of CSC2 capabilities with Service CEs and COPs applying standard system and C2 segment architectures to ensure interoperability
- Objective 6: Enabling information sharing with domestic and international mission partners including service tactical data sharing systems
- Objective 7: Expanded integration of CBRN analysis and operational planning and execution tools into the CSC2 framework

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

**ESTIMATED VALUE:** Multiple Awards; cost variable by objective

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

**DRAFT SOLICITATION RELEASE:** 4QFY24

**SOLICITATION #:** TBD

**SOLICITATION RELEASE DATE:** 1QFY25

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

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# JOINT EFFECTS MODEL/JOINT WARNING AND REPORTING NETWORK (JEM/JWARN) CONTINUOUS ENGINEERING



**DESCRIPTION:** Continuous Engineering of the Joint Warning and Reporting Network (JWARN) and the Joint Effects Model (JEM) capabilities including interoperability, cybersecurity updates, bug fixes and ongoing integration into service computing environments and the CBRN Information Systems (CBRN IS). Also includes ongoing support of existing and future Foreign Military Sales (FMS).

**CONTRACT TYPE and CONTRACT VEHICLE:** CPFF, RS-3 (changed from PD-CHESS)

**ESTIMATED TOTAL VALUE:** \$15M - \$20M; Period of performance up to five years with Four Option Years

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

**DRAFT SOLICITATION RELEASE:** 2QFY24

**SOLICITATION #:** TBD

**ESTIMATED SOLICITATION RELEASE DATE:** 2QFY24

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

Contract number: W52P1J18DA086 (JEM) and N0017804D4031 (JWARN)

Incumbent contractor(s): General Dynamics Information Technology (GDIT) and DCS Corporation (DCS), respectively.

*"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."*

# STRATEGIC INITIATIVES / FUTURE CONCEPTS



## DATA INTEGRATION

- Operational data science (Artificial Intelligence/Machine Learning) for CBRN decision support
- CBRN and non-CBRN operational/tactical data fusion to inform Combined Joint All-Domain Command & Control (CJADC2)
- Integrated/system of systems testing & training approaches

## DIGITAL TRANSFORMATION

- Development, Security, and Operations (DevSecOps) with focus on security and operations areas for Joint Capability Delivery
- Digital Engineering to support portfolio integration
- Workforce upskilling in Digital Transformation

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# CONTACT

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