



JPEO-CBRND

Preventing the Worst by Providing the Best



JPEO-CBRND CONTRACTING UPDATE

***FOR INFORMATIONAL PURPOSES
ONLY...SUBJECT TO CHANGE***

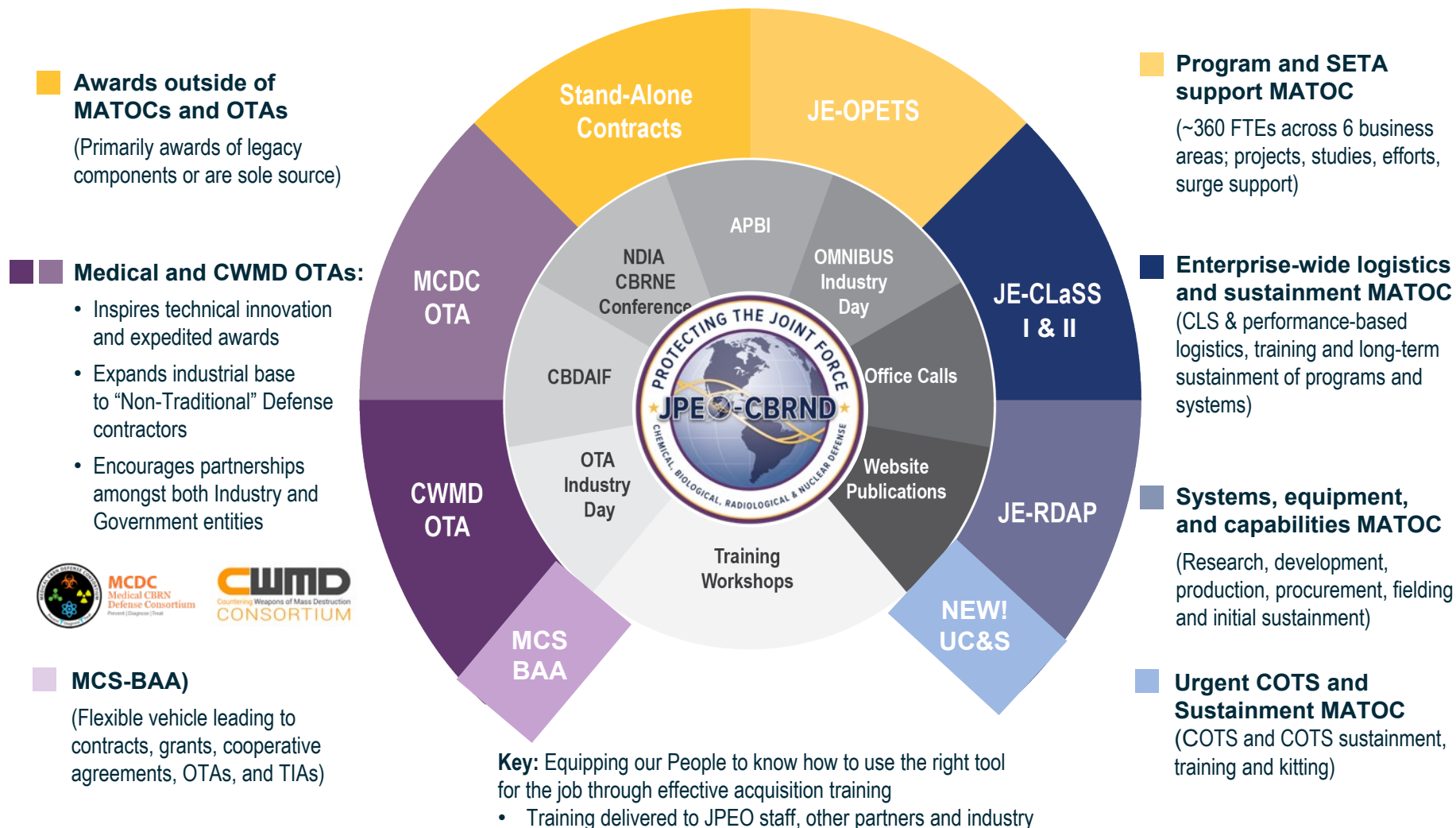
Al Burket
Program Manager, FAR-Based Contracts
JPEO for Chemical, Biological, Radiological and Nuclear Defense
January 2021

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GETTING TO AGILE – CONTRACTING TOOL OVERVIEW

Diverse Acquisition Tools and Their Use





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

- Composed of 3 MATOCs awarded Jun-Aug 2018; each with \$249M ceiling, 5 yrs w/1 option yr
 - Acquisition (100% SBSA); Logistics & Medical (Open Competition); Business & Analytics, Engineering & Technical and Information Technology (Partial SBSA)
 - Provides program management and SETA support for the CBRND Enterprise
 - 19 Primes (12 small, 7 large)
- Total dollars awarded (including options): \$193M (\$134M to small, \$59M to large business)
- Current task orders: 37 (24 to small, 13 to large business)
- Next steps:
 - Task Order Option Year 2 – PoP begins 19 Feb 2021 (~336 Total FTEs)
 - Task Order Re-compete – PoP begins 19 Feb 2022
 - Staggered Solicitations: ACQ – Jun 2021, BEI – Jul 2021, LM – Aug 2021

JOINT ENTERPRISE – CONTRACTED LOGISTICS & SERVICES SUPPORT II (JE-CLASS II) *(PRE-DECISIONAL...SUBJECT TO CHANGE)*



- Follow-on Multiple Award IDIQ to JE-CLaSS
 - 4-year Base with one 4-year Option, plus 3 years to complete orders, ceiling \$907M
 - Task Orders competed as Fair Opportunity among IDIQ domain primes
 - Offerors may compete for only 1 of the 2 domains to avoid potential OCIs
- Domain 1:
 - Performance-based logistics and long-term sustainment similar to JE-CLaSS; plus holistic training for CBRND equipment and items
 - Task Orders competed as fair opportunity; SBSA determined by “Rule-of-2”
- Domain 2:
 - Support for logistics, sustainment and training planning; and development of programmatic logistics products
 - 100% SBSA
- Timeline: Draft RFP ~Mar/Apr 2021, RFP ~May/Jun 2021, Award ~Dec 2021/Jan 2022
- Available to CBRND Enterprise



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

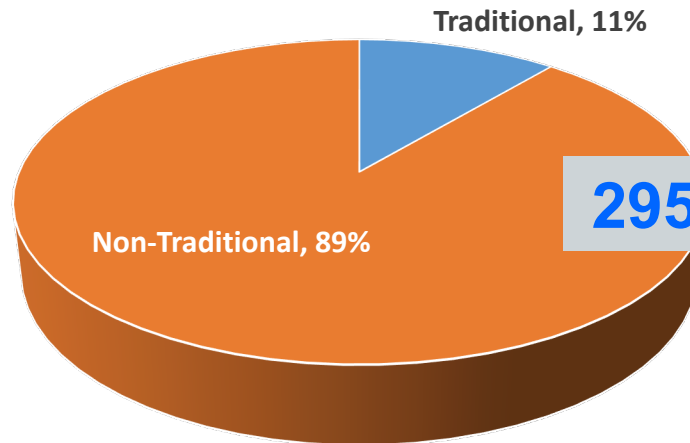
- Awarded Nov 2017: 10-year (+5 yrs to complete efforts), \$8.27B Multiple Award IDIQ contract; Orders competed as fair opportunity among IDIQ holders
- Scope: Activities for research, development, acquisition, production, procurement, fielding and initial sustainment of Chemical, Biological, Radiological, and Nuclear (CBRN) defense systems, equipment, and materiel
- 176 IDIQ holders (117 small, 59 large)
- Available to the CBRND Enterprise
- Total awards including options: 44 TOs for ~\$741M (37% to small, 63% to large business)
- Awards over the last 12 months: 14 awards (13 to small, 1 to large, 12 were Full and Open)



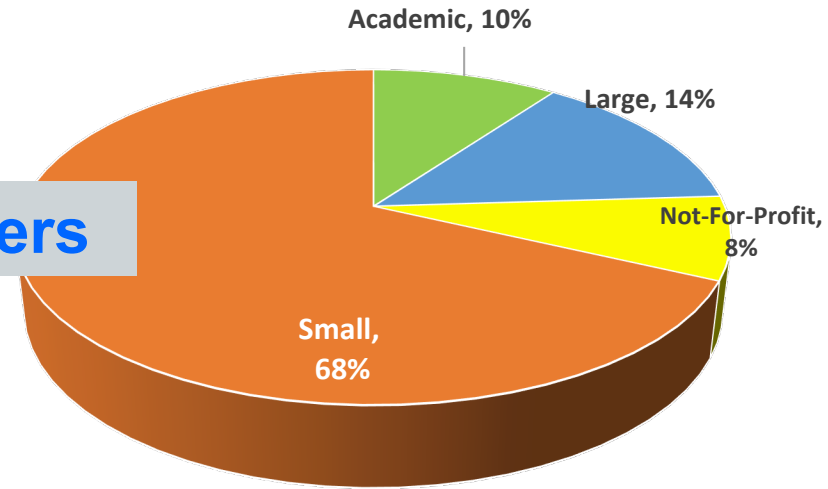
NEW! URGENT COTS AND SUSTAINMENT

- GSA Multiple Award IDIQ Contract awarded Jul 2020
 - \$500M ceiling over a 5 year PoP
 - Domain 1: CBRND-related 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 I & II
 - Simple and easy to use
 - Available to CBRND Enterprise
- Target speed: Under 30 days from requirement to award for COTS procurement (currently the actual is ~15 days)
- DO/TO awards since inception: 60 for ~\$37M

MCDC OTA



Non-Traditional/Traditional Distribution



MCDC Business Class Distribution

295 Members

- FY 16 RPP (6 projects), 4 Awards, 0 Proposals in Basket. **(Expired)**
- FY 17 RPP (8 Projects), 5 Awards, 0 in Basket, (Expired) FY 17 Basket Pulls – 1 **(Expired)**
- FY 18 RPP (24 Projects), 22 Awards, 17 in Basket; FY 18 Basket Pulls - 9
- FY 19 RPP (12 Projects), 16 Awards, 20 Proposals in Basket, FY 19 Basket Pull – 3
- FY 20 RPP (12 Projects), **15 Awards, 19 Proposals in Basket, FY 20 Basket Pull – 2**
- **FY 21 RPP (2 Projects), 0 Award, 0 Proposals in Basket, FY 21 Basket Pull - 0**
- **Awarded Ceiling - \$ 8,262,951,288**
- **Funded To Date - \$7,558,605,183**
- **Paid to Performer - \$871,455,383**

Total Cost (w/CMF Fee) \$ 8,301,924,129

Disbursed to date \$1,005,947,871

Total Awarded Projects 64
Active Funded Projects 62

Open Actions – 10

- CBRND-M – 1
- DTRA – 9
- BARDA - 0

Customers:
 JPEO
 DTRA (JSTO)
 HHS (BARDA)
 HHS (NAIAD)

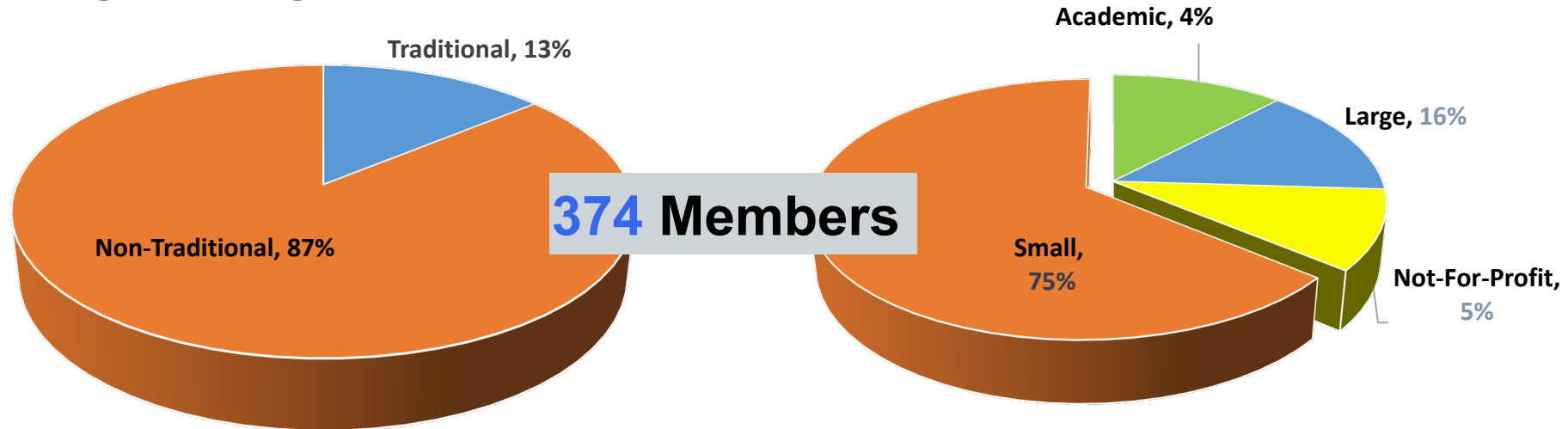


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CBRN MEDICAL Weekly Staff Meeting

CWMD OTA



Non-Traditional/Traditional Distribution

CWMD Business Class Distribution

- FY 18 RPP (34 Projects), 22 Awards, 48 proposals in Basket; FY 18 Basket Pulls - 1
 - FY 19 RPP (37 Projects), 51 Awards, 81 Proposals in Basket, FY 19 Basket Pull – 5
 - FY 20 RPP (42 projects), 29 Awards, 110 Proposals in Basket, FY 20 Basket Pull – 5
 - **FY 21 RPP** (1 Project), **11 Awards**, **07** Proposals in Basket, FY 21 Basket Pull - 0
- NEW Awards:** 1 CWMD2021-002 (Battelle)
- Awarded Member Ceiling - \$800,346,355 Total Ceiling Cost (w/CMF Fee) \$808,399,688
 - Funded To Date - \$585,397,443 Disbursed (Awarded Member Funding) \$590,955,215
 - Paid to Performer - \$397,215,656

Total Awarded Projects **113**
Active Funded Projects **86**

Open FY 20 Actions – 32

- WPAFB – 1
- DTRA – 9
- JPEO – 17
- CCDC – 4
- USTRANSCOM - 1



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CBRN MEDICAL Weekly Staff Meeting

How to Join CWMD and MCDC

- Visit: www.medcbrn.org or www.cwmdconsortium.org
- Complete and sign the Membership Application
 - Review and sign the Articles of Collaboration
 - Provide DD2345 Certification Number
 - Military Critical Technical Data Agreement (access to unclassified technical data)
 - Instructions available at www.medcbrn.org or www.cwmdconsortium.org
 - If operating under Foreign Ownership, Control or Influence (FOCI)
 - DSS-approved mitigation plan OR signed Export Compliance Acknowledgement Form
 - Membership limited to US firms/entities or US-based affiliates of foreign firms/entities
- Send to MCDC@ati.org or CWMD@ati.org
- For all inquiries contact Mike Stebbins
 - mike.stebbins@ati.org
 - 843-760-4094



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BACKUP SLIDES CONTAIN FY21 PROJECTIONS

FY21 FORECAST

#	JPM/JPL	Title	Description	Action Type	Target Award Date	Contracting Command	Planned Contract Vehicle
1	JPM-P, MC	Family of Incident Response Systems (FIRS) CLS	CLS services to conduct sustainment and supply support of the CBIRF and the DRSKO/EOD CBRNE Kit and like capabilities to ensure mission readiness at CONUS and OCONUS sites.	FAR-based	2QFY21	ACC-APG	JE-CLaSS
2	JPM-P	CBRN Response Enterprise (CRE) Stockpile	Supporting TACOM with CRE Commercial Off the Shelf (COTS) Personal Protective Equipment (PPE) procurements and delivery to CONUS Army Depot.	FAR-based	2QFY21	ACC-APG	JE-RDAP
3	JPM-P	CRE PPE Containers	Procure and deliver environmentally controlled container systems to be delivered to specific unit locations to properly store unit level equipment being procured.	FAR-based	2QFY21	ACC-APG	JE-RDAP
4	JPM-P	CRE PPE Class IV Ensembles	Procure and deliver National Fire Protection Association (NFPA) COTS Class IV ensembles to CRE units and depots	FAR-based	3QFY21	ACC-APG	JE-RDAP
5	SOF	Manufacture of All Purpose-Personal Protective Ensembles (AP-PPE):	Modernization of AP-PPE will improve the currently fielded AP-PPE. Development of modernized AP-PPE is in process. Requirement will be for manufacture and delivery.	FAR-based	4QFY21	ACC-APG	JE-RDAP
6	SOF	Tactical Advanced Threat Protective Ensemble (TATPE)	TATPE will provide technical force personnel operating in high risk CBRN scenarios with heightened protection against the full range of environmental threats (CWA, BWA, PB, TIM and emerging threats) across the full range of military operations. TATPE provides a militarized, environmentally climate-controlled protective ensemble that both extends mission dwell time and operator endurance through integration of re-chargable self-contained air and hydration.	FAR-based	4QFY21	ACC-APG	JE-RDAP

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7	HQ	JE-CLaSS II	Follow-on to JE-CLaSS. IDIQ for CLS, sustainment, training and logistics products support	FAR-based	1-2QFY22	ACC-APG	New MA IDIQ
8	Sensors	Biological Defense Improvement Program (BDIP) (Note: Was previously named Bio Tech Modernization (BTM))	The BDIP will address joint and service gaps and priorities related to biodefense, and will develop and execute a biodefense strategy. It considers the Biological Warfare threats and vulnerabilities to give biodefense the agility and speed necessary to provide relevant, effective, affordable, and sustainable capabilities that can be ubiquitously deployed on the battlefield against current, emerging and future biological threat. Effort currently in S&T estimated transition 4QFY22	OTA	TBD	ACC-NJ	CWMD OTA
9	IM/IT	Chemical, Biological, Radiological and Nuclear Information System (CBRN IS)	Provides the joint warfighter a collaborative milCloud environment that allows them to collect and disseminate CBRN warning and reporting data, provide detailed CBRN hazard predictions, aid in decision support, and the ability to make relevant CBRN defense information available in near real-time	Various	Various	TBD pending action	Various

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#	JPM/JPL	Title	Description	Action Type	Target Award Date	Contracting Command	Planned Contract Vehicle
10	DTRA	CBRN Battlespace Sensing, Alerting & Response	Follow up to stand-off monitoring. Human on a chip / computer modeling/sim of physiological effects.	Prototype OTA	4QFY21	ACC-NJ	CWMD OTA
11	DTRA	CBRN Situational Awareness	Synthetic Training Environment (STE) to provide a CBRN specific cognitive, collective, multi-echelon training and mission rehearsal capability.	Prototype OTA	4QFY21	ACC-NJ	CWMD OTA
12	DTRA	CBRN Situational Awareness	Augmented Reality to provide chemical and biological threat situational awareness in head-mounted visual displays	Prototype OTA	4QFY21	ACC-NJ	CWMD OTA
13	DTRA	CBRN Situational Awareness	HPAC Plugin for TAK Variants	Prototype OTA	1QFY21	ACC-NJ	CWMD OTA
14	DTRA	Proximate Chemical Agent Detector (PCAD) Development	A standoff (> 1m), man-portable, liquid and solid trace chemical agent detector technologies to detect a wide range of chemical threats.	Prototype OTA	4QFY21	ACC-NJ	CWMD OTA
15	DTRA	JSTO-CBAD and C-SIRP Joint OTA	Develop and evaluate integrated sensors onto robotic platforms through table top exercises to identify and develop prototypes meeting C-SIRP technology requirements and integrate systems based on both AL/ML techniques.	Prototype OTA	4QFY22	ACC-NJ	CWMD OTA
16	DTRA	Therapeutics for Emerging Threats	Solicitation for broad-spectrum approaches and platforms to address emerging BW threats, to include discovery and validation of novel targets in host pathogenesis and enabling technologies that will allow the CBDP to rapidly respond to novel, emerging threats	Prototype OTA	1QFY22	ACC-NJ	MCDC OTA

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17	DTRA	Small Molecules as Therapeutics for BW Threats	New starts for broad spectrum antiviral and antibacterial discovery targeting the host and pathogen; end deliverable is broad spectrum therapeutic that has successfully completed Phase 1 safety trials	Prototype OTA	1QFY22	ACC-NJ	MCDC OTA
18	DTRA	Biologics as Therapeutics for BW Threats	New starts for broad spectrum antivirals and antibacterials targeting the host and pathogens; end deliverable is broad spectrum therapeutic that has successfully completed Phase 1 safety trials	Prototype OTA	1QFY22	ACC-NJ	MCDC OTA
19	DTRA	Aptamer Development for Prophylactic Use	The objective of this topic would be to determine if aptamers would be appropriate candidates for prophylactic use. Half-life extension strategies would likely be necessary.	Prototype OTA	TBD	ACC-NJ	MCDC OTA
20	DTRA	Broad Spectrum Approaches to Protect Against Small Molecule and/or Small Peptide Toxins	The objective of this topic is to explore prophylactic strategies to counter toxins based on mechanism of action or some other commonality.	Prototype OTA	TBD	ACC-NJ	MCDC OTA
21	DTRA	Strategies to Protect Against Emerging and/or Engineered Pathogens	The objective of this topic is to explore prophylactic strategies to protect against emerging and/or engineered pathogens. Approaches can include platform and broad spectrum strategies.	Prototype OTA	TBD	ACC-NJ	MCDC OTA
22	DTRA	Strategies to Protect Against the Misuse of Gene Editing	The objective of this topic is to explore ways to prevent unwanted genome editing.	Prototype OTA	TBD	ACC-NJ	MCDC OTA
23	DTRA	In vitro Models to Assess Lung Pathogenesis	Develop and evaluate an in vitro lung model which can be used to assess lung pathogenesis and screen Medical countermeasures.	Prototype OTA	1QFY22	ACC-NJ	MCDC OTA

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24	DTRA	In vitro Models to Assess Lung Pathogenesis	Develop and evaluate an in vitro lung model which can be used to assess lung pathogenesis and screen Medical countermeasures.	Prototype OTA	1QFY22	ACC-NJ	MCDC OTA
25	DTRA	In vivo Models to Assess Small Molecule and/or Small Peptide Toxin Effects	The objective of this effort is to further understand the effects of small molecule and/or small peptide toxins in animal models.	Prototype OTA	TBD	ACC-NJ	MCDC OTA
26	DTRA	Biological MCM	Novel Biologics as Medical Countermeasures (MCM) against Biological Threats of Concern.	Prototype OTA	TBD	ACC-NJ	MCDC OTA
27	DTRA	Animal models for Biothreats	Development of relevant animal models to support Medical Countermeasure (MCM) development against bio-threats.	Prototype OTA	TBD	ACC-NJ	MCDC OTA
28	DTRA	Small Molecule MCMs	Small Molecules as Medical Countermeasures (MCM) against Biological Threats of Concern.	Prototype OTA	TBD	ACC-NJ	MCDC OTA
29	DTRA	Neurological Pathogenesis of Encephalitic Threats	Create models and understand the mechanisms/markers/timeline of neurological pathogenesis for encephalitic viral infection	Prototype OTA	1QFY22	ACC-NJ	MCDC OTA

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30	JPM-P	Service Equipment Decontamination System (SEDS)/ Lucie Simone	The SEDS program will provide contamination mitigation capabilities for hardened, sensitive and/or critical equipment in hostile and non-hostile environments that have been exposed to chemical and biological contamination.	Prototype OTA	4QFY21	ACC-NJ	CWMD OTA
31	JPM-P	CBRN Coatings, Covers and Protective Overlays (C3PO)/Joe Novick	The C3PO program will provide protection to critical equipment/assets prior to a CBRN attack to mitigate the effects and amount of CBRN contamination they are exposed to.	Prototype OTA	2QFY212	ACC-NJ	CWMD OTA
32	JPM-P	Wide Area Decontamination System (WADS)/Tom Kloehn	The WADS program will provide contamination mitigation capabilities against chemical and biological warfare agents on various types of terrain and exterior of fixed site facilities. The WADS will be a replacement for the M12	Prototype OTA	2QFY22	ACC-NJ	CWMD OTA
33	JPM-P	Tactical Contamination Mitigation System (TCMS)/Tom Kloehn	The TCMS program will limit the spread of and mitigate the effects of CBRN contamination to allow Warfighters to continue their mission for an extended period of time without respiratory or ocular protection in a high threat, CBRN contaminated area, or near contaminated equipment.	Prototype OTA	1QFY23	ACC-NJ	CWMD OTA
34	JPM-P	Uniform Integrated Protection Ensemble Family of Systems (UIPE FoS) Gloves/Robin Childs	The UIPE FoS Glove program is seeking innovative glove and wrist interface solutions applicable to the multiple mission areas within the UIPE FoS including General Purpose, Air, and All Hazards (Homeland Defense).	Prototype OTA	1QFY22	ACC-NJ	CWMD OTA
35	JPL-SOF	Low Temperature Plasma Mass Spectrometer Detector (LTP-MS) POC: Tim Cadle	The LTP-MS provides the Warfighters with the capability to analyze surfaces utilizing low temperature plasma that will introduce a sample into the mass spectrometer for analysis. The LTP-MS will allow for detection and identification of materials of interest on surfaces.	Prototype OTA	4QFY21	ACC-NJ	CWMD OTA

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36	JPL-SOF	Hound Fish CBRN Sample Extraction System POC: Tim Cadle	Houndfish is a man-portable sample extraction tool that enables Warfighters to remotely operate and extract chemical material from enclosed pressurized containers during sensitive site exploitation. The system shall be capable of breaching pressurized containers up to ¾ of an inch and up to 200 PSI with a diameter as small as one 155mm artillery shell and as large as a 55-gallon drum.	Prototype OTA	4QFY21	ACC-NJ	CWMD OTA
37	JPL-SOF	Carbide Derived Carbon (CDC) Solid Phase Micro Extraction SPME POC: Tim Cadle	CDC SPME provides Warfighters with the capability to extract and analyze samples primarily with gas chromatography (GC) instruments. The coated silicon fiber protrudes from a syringe allowing for contact with sample for surface, liquid, and head space extraction. The fiber is then retracted in the syringe for transportation and insertion into the GC instrument for analysis.	Prototype OTA	4QFY21	ACC-NJ	CWMD OTA
38	JPL-SOF	Hyper Spectral Imaging on UAS POC: Tim Cadle	The technology is mounted on a Group 3 Unmanned Aerial System (UAS) weighing less than 70 pounds. The Group 3 UAS will normally operate below 18,000 feet mean sea level at speeds less than 250 knots. This technology provides Warfighters with a non-contact remote sensing capability to determine molecular CBRN.	Prototype OTA	4QFY21	ACC-NJ	CWMD OTA
39	JPL-SOF	Paper on Demand (PoD) POC: Cate Sabol	The technology is a field deployable print-on-demand capability that produces paper-based color-changing chemical assays. PoD utilizes commercial off-the-shelf (COTS) inkjet printers to print customizable indicators to detect a wide range of chemical warfare agents, simulants, and Toxic Industrial Chemicals (TICS)/Toxic Industrial Materials (TIMS) on various surfaces. This approach deploys existing and novel colorimetric chemical indicators and delivers mission-specific, low burden chemical assays to enhance the chemical identification.	Prototype OTA	2QFY22	ACC-NJ	CWMD OTA
40	JPM-M	Reconstitution Autoinjector Platform / Jessica Livesay	Develop an autoinjector platform to automatically mix or reconstitute drug product constituents just prior to injection.	Prototype OTA	4QFY21	ACC-NJ	MCDC OTA

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41	DHS	Radiation Portal Technology Enhancement and Replacement (RAPTER) / Gregory Slovik	Recapitalize RPM fleet (~1400 units) due to the aging, degraded RPM fleet using a modular design with a government-owned interface	Prototype OTA	3QFY22	ACC-NJ	CWMD OTA
42	DHS	RETINA Cognitive Sensor Network (CSN) Program / Jason Lloyd	CWMD development of integrated communication and data platform for legacy and future detection technologies to enhanced coordination and collaboration, maximize the potential of detection and enable the efficient analysis and distribution of actionable information.	Prototype OTA	1QFY22	ACC-NJ	CWMD OTA
43	DHS	BD21 Control Module Technical Demonstration LT Vikram Munikoti, USPHS, detailed to CWMD-SSD-ACQ (CW-4), BD21 Program Office	Engage with 1-4 of the basketed respondents to Topic CWMD 2020, to demonstrate, exercise, and perform technology readiness assessments of COTS/GOTS software that has potential to provide functional capabilities necessary for anticipated BD21 C2 and COP requirements	Prototype OTA	1QFY21	ACC-NJ	CWMD OTA

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