



ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFINGS TO INDUSTRY

Edgewood Chemical Biological Center



Presenter: *Ms. Suzanne Milchling
Director of Program Integration, ECBC
November 2014*

CORE COMPETENCY, MISSION & VISION

CORE COMPETENCY

Working safely with chemical and biological agents in research, engineering and operations for DoD and the Nation.

MISSION

ECBC, the nation's provider of innovative solutions to counter WMD threats.

VISION

ECBC: Working toward a world free of WMD.



ECBC CORE CAPABILITIES



**Chemistry and
Biological Sciences**



**Science and Technology
for Emerging Threats**



**CBRNE Analysis
and Testing**



**CBRNE Materiel
Acquisition**



**CB Agent Handling
and Surety**



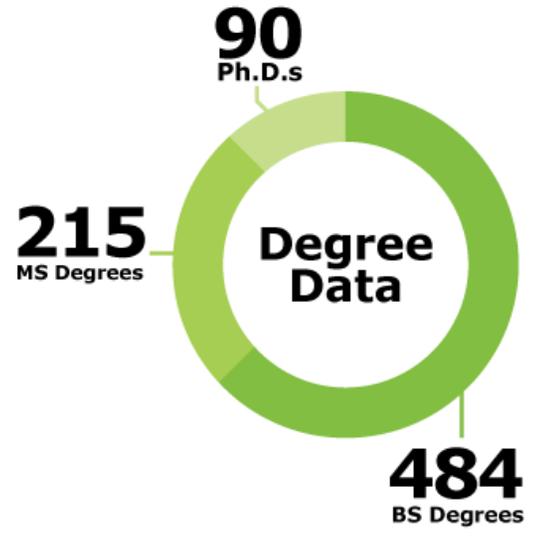
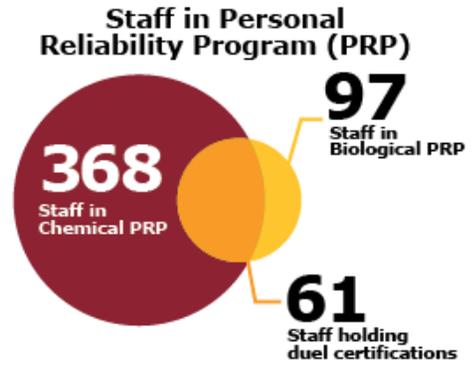
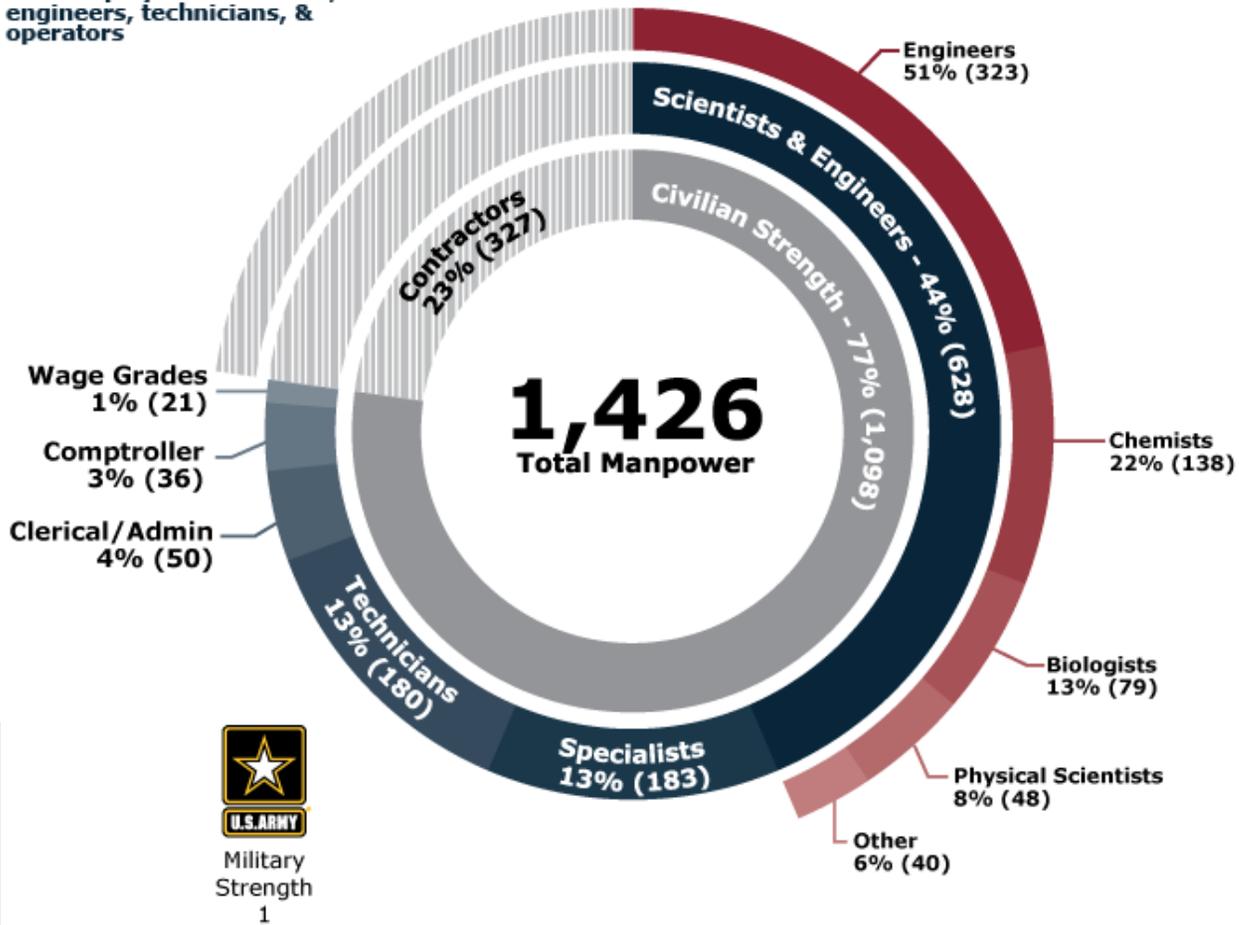
**CB Munitions and
Field Operations**



ECBC SPECIALIZED WORKFORCE

250

Field-deployable scientists, engineers, technicians, & operators



*Workforce numbers as of 3Q FY14



ECBC UNIQUE FACILITIES

ECBC is a National Asset

Facilities

- \$1.8 billion in facilities, equipment
- 1.22 million square feet of critical laboratory and chamber space
- Over 200 buildings
- Sophisticated environmental controls
- Robotic components
- 317 chemical surety hoods
- 66 BSL-2 and BSL-3 hoods
- 3 explosive/toxic test chambers
- 30 multi-purpose mobile platforms for air monitoring
- 30 operational mobile laboratories with hoods and glove boxes

Major Research Facilities



Advanced Chemistry Laboratory



McNamara Life Sciences Bldg.



Forensic Analytical Center

Engineering & Test Facilities



Toxic Test Chambers



Aerosol Test Facilities



Berger Engineering Complex

New, One-of-a-Kind Facilities



Standoff Detection Technology Evaluation Facility



Sample Receipt Facility



Single Small-Scale Facility

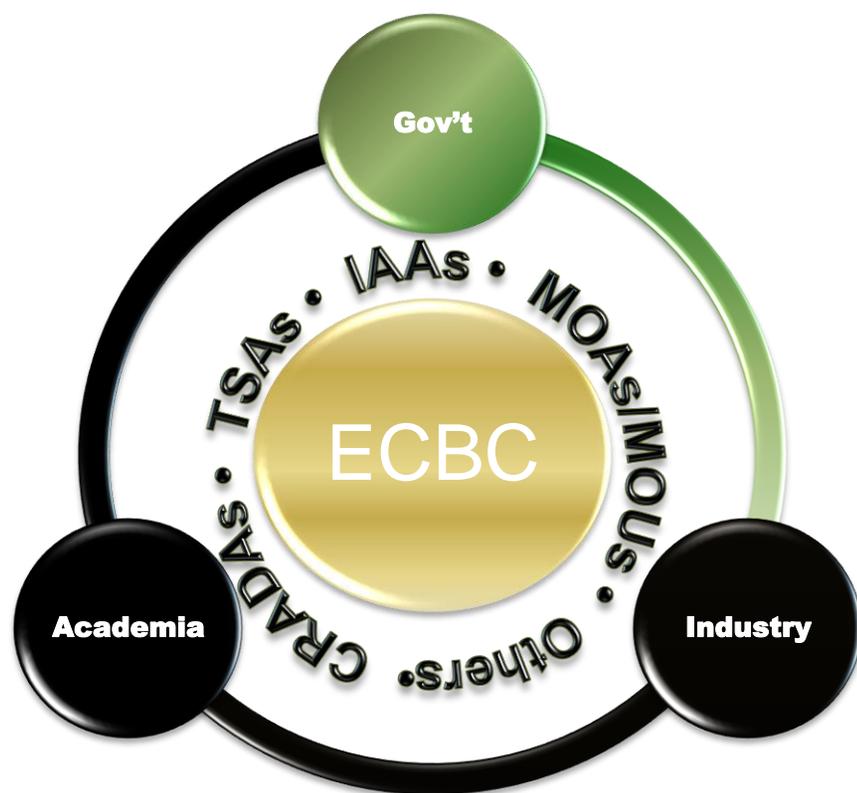


TECHNOLOGY TRANSFER AT ECBC

Enables ECBC to accomplish technology transition objectives for the warfighter while benefiting U.S. industry

Allows R&D collaborations, product development and testing with industry and academia

Enables industry, academia and other organizations to leverage ECBC's unique assets: intellectual property portfolio, S&E expertise, and infrastructure



Mechanisms include:

- Cooperative Research & Development Agreement (CRADA)
- Technology Support Agreement (TSA)
- Patent License Agreement (PLA)
- Other Agreements (IAA, MOA, MOU)



<https://www.ecbc.army.mil/about/working.html>



U.S. ARMY
RDECOM

FLEXIBLE TECHNOLOGY TRANSFER AGREEMENT FORMATION

ECBC Strives to Remain Flexible in Forming Innovative Technology Transfer Partnerships

Northeast Maryland Additive Manufacturing Innovation Authority CRADA

- To improve accessibility of additive manufacturing equipment & expertise at ECBC and foster growth of additive manufacturing capability within northeast Maryland

Joint Work Statements under RDECOM-University of Maryland Baltimore County CRADA

- Utilizing existing command agreements in order to rapidly process and approve specific research & development activities
- Research efforts can begin in shorter timeframe than under standard CRADAs



TECHNOLOGY TRANSFER SUCCESS WITH SMALL BUSINESS

Recipient of 2013 DoD George Lindsteadt Technology Transfer Achievement Award &
2014 Federal Laboratory Consortium Lab Director of the Year Award

Tactical-Biological Detector (TAC-BIO)

- Licensed to Research International, Inc., ChemRing, Lighthouse Worldwide Solutions



Colorimetric Detection Kit for Homemade Explosive Precursors

- Licenses pending



PATENT LICENCE AGREEMENT (PLA) OPPORTUNITIES

Through PLAs, ECBC has transferred several innovative technologies, such as its transportable glove-box system and air transportable modular analytical laboratory to industry and academia for commercialization

- **Colorimetric Reconnaissance Explosives Squad Screening (CRESS) Kit** (Patent Pending)
- **Portable inflatable protective partitioning system** (US Pat. 8,365,804)
- **Glovebox air intake emergency safety shutoff** (US Pat. 8,667,841)
- **Compositions comprising zirconium hydroxide and graphite oxide and methods for use** (US Pat. 8,658,555)
- **Methods for Detection and Identification of Cell Type** (US Pat. 8,224,581 and 8,412,464)

<https://www.ecbc.army.mil/about/pla.html>



PROGRAM OVERVIEW

The CBRNE Mission Support Contract (MSC)

Indefinite Delivery, Indefinite Quantity (IDIQ) vehicle

- Covers a majority of ECBC's mission requirements
- 20 Contracts
 - 10 Small Business Suite Contracts
 - 10 Unrestricted Suite Contracts
- Ordering Period Expiration
 - Small Business Suite - March 2015
 - Unrestricted Suite - January 2015
- Performance Period Expiration
 - Small Business Suite – March 2018
 - Unrestricted Suite – January 2018
- Consideration being given to a CBRNE MSC 2
 - Assessing true need
 - Evaluating interest

Current Small Business Awardees

- Science and Technology Corporation
- Quicksilver Analytics, Inc
- Innovative Emergency Management, Inc
- Advanced Concepts and Technologies Int'l
- STEM International
- SciTech Services, Inc
- Joint Research & Development, Inc (JRAD)
- Excet Inc
- Davis-Paige Management Systems LLC

Current Unrestricted Awardees

- Camber Corporation
- SciTech Services
- Teledyne Brown Engineering, Inc
- LEIDOS
- Midwest Research Institute (MRI)
- Booz Allen Hamilton Inc
- Northrop Grumman Corporation
- ITT Corporation
- Battelle Memorial Institute
- Science & Technology Corporation



OPPORTUNITY

TITLE: Target Defeat -

- to continue the development, design and analysis, and fabrication of limited scale production of prototypes of vehicle/vessel stopping and antimateriel/equipment technologies for target defeat applications
- to research the capabilities and limitations of support technologies in the fields of chemical dissemination, material transport modeling, finite element structural analysis, sensor development and integration, and signal analysis
- to explore additional target defeat technologies related to counter-chemical and other mass effect weapon production issues, malodorant and other tag/track/marketing capabilities, and other antimateriel chemical technical effectors
- to demilitarize and dispose of these target defeat technologies and related systems

CONTRACT TYPE: CPFF

ESTIMATED VALUE: \$10M+

CONTRACTING CONTACT: Greg Jamison, 410-436-2515,
Gregory.j.jamison.civ@mail.mil

SOLICITATION #: TBD

ESTIMATED SOLICITATION RELEASE DATE: 1QFY15



UNCLASSIFIED//Approved for Public Release

OPPORTUNITY

TITLE: Engineering Division Support –

- to obtain technical support related to the installation, maintenance and repair, and testing of filtration systems and associated components
- systems included would be associated with ECBC's Chemical/biological agent detection and protective measures
- Small Business Suite

CONTRACT TYPE: CPFF

ESTIMATED VALUE: <\$5M

CONTRACTING CONTACT: Greg Jamison, 410-436-2515,
Gregory.j.jamison.civ@mail.mil

SOLICITATION #: TBD

ESTIMATED SOLICITATION RELEASE DATE: 1QFY15

UNCLASSIFIED//Approved for Public Release



U.S. ARMY
RDECOM

OPPORTUNITY

TITLE: Doctrine, Tactics and Techniques (DTT) Stryker Training and Support -

- to conduct DTT training at every Nuclear, Biological and Chemical Reconnaissance Vehicle (NBCRV) fielding and provide sustainment training through the formal introduction of Virtual Crew Training (VCT)
- Stryker – NBCRV is a dedicated system of nuclear, biological, and chemical sampling, detection, and warning equipment integrated into the Stryker armored vehicle
- Unrestricted Suite

CONTRACT TYPE: CPFF

ESTIMATED VALUE: >\$5M

CONTRACTING CONTACT: Greg Jamison, 410-436-2515,
Gregory.j.jamison.civ@mail.mil

SOLICITATION #: TBD

ESTIMATED SOLICITATION RELEASE DATE: 1QFY15

UNCLASSIFIED//Approved for Public Release



U.S. ARMY
RDECOM

OPPORTUNITY

TITLE: Directorate of Program Integration (DPI) Communications –

- support services for the implementation and sustainment of a strategic communications program that promotes ECBC core capabilities, accomplishments and innovation to its customers, partners, and the wider public; as well as providing tools and products to keep the workforce abreast of policy and strategic plans and initiatives
- to promote public awareness of the program's mission and initiatives and proactively disseminate information to stakeholder groups and the general public and solicit their feedback
- to assist in the coordination of all public outreach activities with the defense program partners and customers, the ECBC Communications Officer, ECBC Directorate representatives, and local school districts
- Small Business Suite

CONTRACT TYPE: CPFF

ESTIMATED VALUE: <\$5M

CONTRACTING CONTACT: Greg Jamison, 410-436-2515,
Gregory.j.jamison.civ@mail.mil

SOLICITATION #: TBD

ESTIMATED SOLICITATION RELEASE DATE: 1QFY15

UNCLASSIFIED//Approved for Public Release



OPPORTUNITY

TITLE: Assembled Chemical Weapons Alternatives (ACWA) Public Affairs Office (PAO) Communications –

- to implement a public outreach program that is conducted as an integrated Government contractor team focused on interaction and public involvement
- to promote public awareness of the ACWA program's mission and initiatives, enable public awareness of technical issues associated with the chemical weapons destruction project, and proactively disseminate information to stakeholder groups and the general public and solicit their feedback
- Small Business Suite

CONTRACT TYPE: CPFF

ESTIMATED VALUE: <\$5M

CONTRACTING CONTACT: Brenda Aleman, 410-436-4499,
Brenda.k.aleman.civ@mail.mil

SOLICITATION #: TBD

ESTIMATED SOLICITATION RELEASE DATE: Award Anticipated 1QFY15



OPPORTUNITY

TITLE: Chemical Biological Defense (CBD) Lab Support –

- procurement and fabrication of a modular BioSurveillance Level 2 Laboratory
 - for Government operational demonstration and residual leave behind of an automated BWA detection, collection and identification capability
 - to include all aspects of performance under cost, schedule, safety, training, security, surety, environmental, and health standards support services for Joint Program Executive Office for Chemical Biological Defense (JPEO-CBD) and Joint United States Forces Korea (USFK) Portal and Integrated Threat Recognition (JUPITR) Advanced Technology Demonstration (ATD) efforts
- Unrestricted Suite

CONTRACT TYPE: CPFF

ESTIMATED VALUE: <\$5M

CONTRACTING CONTACT: Greg Jamison, 410-436-2515,
Gregory.j.jamison.civ@mail.mil

SOLICITATION #: TBD

ESTIMATED SOLICITATION RELEASE DATE: Award Anticipated 1QFY15

UNCLASSIFIED//Approved for Public Release



OPPORTUNITY

TITLE: Special Services Division (SSD) Support –

- to support the execution of the SSD protective mission, to include; general program management support, daily program management efforts, CBRNE subject matter expertise, laboratory management subject matter expertise, CBRNE facility engineering support, configuration management and procedure development, incident management and mitigation planning, and data analysis support
- to provide engineering support consisting of equipment integration and control plans development, filter testing and surveillance reports review, Chemical Biological Radiological (CBR) filtration system maintenance activity coordination; airflow systems assessment, and pressure control schemes evaluation
- Unrestricted Suite

CONTRACT TYPE: CPFF

ESTIMATED VALUE: >\$10M

CONTRACTING CONTACT: Greg Jamison, 410-436-2515,
Gregory.j.jamison.civ@mail.mil

SOLICITATION #: TBD

ESTIMATED SOLICITATION RELEASE DATE: 1QFY15

UNCLASSIFIED//Approved for Public Release



OPPORTUNITY

TITLE: Biosciences Division Support – Four Separate Task Orders

- to provide technical support R&D laboratory studies related to chemical, biological, nuclear, radiological and explosives (CBRNE) defense research, including microbiology, molecular biology, biochemistry, biophysics, immunological and supporting physical and mathematical methods and techniques
- Two (2) Small Business Suite Tasks and two (2) Unrestricted Suite Tasks

CONTRACT TYPE: CPFF

ESTIMATED VALUE: <\$10M

CONTRACTING CONTACT: Greg Jamison, 410-436-2515,
Gregory.j.jamison.civ@mail.mil

SOLICITATION #: TBD

ESTIMATED SOLICITATION RELEASE DATE: 1QFY15

UNCLASSIFIED//Approved for Public Release



U.S. ARMY
RDECOM

OPPORTUNITY

TITLE: Test, Reliability and Evaluation Branch (TREB) Support –

- to obtain TREB administrative, operation, architect design planner, laboratory, chamber and field test support for various federal, state, DOD and private industry programs
- consists of the routine conduct of testing to challenge technology and hardware with chemical simulants in support of the DOD, other federal agencies and private industry programs
- Small Business Suite

CONTRACT TYPE: CPFF

ESTIMATED VALUE: <\$5M

CONTRACTING CONTACT: Greg Jamison, 410-436-2515,
Gregory.j.jamison.civ@mail.mil

SOLICITATION #: TBD

ESTIMATED SOLICITATION RELEASE DATE: 1QFY15

UNCLASSIFIED//Approved for Public Release



U.S. ARMY
RDECOM

OPPORTUNITY

TITLE: Applied Detection Technology (ADT) –

- to obtain qualified chemical surety workers and technical programmatic and administrative support to augment the capabilities of the ADT Branch
- ADT is responsible for research, technology evaluation, methodology development and systems development aimed at defeating the chemical/biological threats
- supports national chemical defense programs by providing chemical surety expertise in the areas of chemical detection, chemical protective materials, decontamination, chemical demilitarization and other military life cycle programs
- Small Business Suite

CONTRACT TYPE: CPFF

ESTIMATED VALUE: <\$5M

CONTRACTING CONTACT: Greg Jamison, 410-436-2515,
Gregory.j.jamison.civ@mail.mil

SOLICITATION #: TBD

ESTIMATED SOLICITATION RELEASE DATE: 1QFY15



UNCLASSIFIED//Approved for Public Release

OPPORTUNITY

TITLE: Chemistry and Toxicology Sciences Support for Toxicology and Obscurants Division –

- to perform basic research and exploratory development, including agent chemistry, chemical analysis, physical properties and forensic analytical chemistry
- focus on development and enhancement of emerging methodologies, technology, and concepts for assessing and predicting human risk to chemical and biological warfare agents (CBWA) and chemicals of military interest; analytical chemistry; invivo- and invitro-toxicity tests and screens; toxicity test systems/chambers; countermeasure techniques necessary to detect and defeat emerging threats; and smoke and obscurants research
- Suite Unknown

CONTRACT TYPE: CPFF

ESTIMATED VALUE: <\$10M

CONTRACTING CONTACT: Greg Jamison, 410-436-2515,
Gregory.j.jamison.civ@mail.mil

SOLICITATION #: TBD

ESTIMATED SOLICITATION RELEASE DATE: 1QFY15



OPPORTUNITY

TITLE: Smoke/Obscurants and Non-Lethal Research –

- to provide research support to include chamber and field evaluation, sensor modeling, data collection, data analysis, algorithm development, theoretical development and experimental research
- to address research in applied physics for the development of next-generation obscurant systems and non-lethal payloads
- to research requirements involve atmospheric, electromagnetic extinction and sensor modeling; theoretical modeling; materials science; dispersion technology; signal processing; instrumentation; experimental development and field work
- Unrestricted Suite

CONTRACT TYPE: CPFF

ESTIMATED VALUE: <\$10M

CONTRACTING CONTACT: Greg Jamison, 410-436-2515,
Gregory.j.jamison.civ@mail.mil

SOLICITATION #: TBD

ESTIMATED SOLICITATION RELEASE DATE: 1QFY15

UNCLASSIFIED//Approved for Public Release



U.S. ARMY
RDECOM

OPPORTUNITY

TITLE: Research & Technology (R&T) Laboratory Support –

- to provide laboratory personnel for basic research and exploratory development to include the study, synthesis, characterization, detection and identification of chemical and biological toxin threat agents, and related compounds, as well as instrument operations and nuclear magnetic resonance (NMR) support
- Unknown Suite

CONTRACT TYPE: CPFF

ESTIMATED VALUE: <\$5M

CONTRACTING CONTACT: Greg Jamison, 410-436-2515,
Gregory.j.jamison.civ@mail.mil

SOLICITATION #: TBD

ESTIMATED SOLICITATION RELEASE DATE: 1QFY15

UNCLASSIFIED//Approved for Public Release



U.S. ARMY
RDECOM[®]

OPPORTUNITY

TITLE: Protective Equipment Test Branch (PETB) Support Services –

- to provide qualified technical and programmatic support to evaluate chemical defense materials
- to conduct production/first article testing of chemically protective materials, surveillance/shelf life extension testing of depot-stored materials, and research to develop new test methodologies
- to support current capability through the conduct of chemical agent and toxic industrial permeation test and evaluation of various end items as part of first article, production lot acceptance, and shelf life extension inspections, to include the measurement of various physical properties, analytical determination of key analyte content and measuring of permeation rate by qualitative and quantitative means
- Small Business Suite

CONTRACT TYPE: CPFF

ESTIMATED VALUE: <\$5M

CONTRACTING CONTACT: Greg Jamison, 410-436-2515,
Gregory.j.jamison.civ@mail.mil

SOLICITATION #: TBD

ESTIMATED SOLICITATION RELEASE DATE: 2QFY15



UNCLASSIFIED//Approved for Public Release

PROGRAM OVERVIEW

The Chemical Biological Application and Risk Reduction (CBARR) MSC

- IDIQ vehicle
- Covers many of ECBC's operational requirements
- Current Awardee: SM Resources Corporation
- Ordering Period Expires FY16
- * Re-solicit ~4QFY15

Facility and Logistics (F&L) contract

- Firm-Fixed-Price (FFP) contract
- Perform Facilities and Logistics Services
- Current Awardee: TK Services Incorporated
- Ordering Period Expires FY17
- * Re-solicit ~2QFY16



OPPORTUNITY

TITLE: No known requirements under the CBARR IDIQ or modifications to the F&L contract at this time

CONTRACT TYPE: FFP and CPFF

ESTIMATED VALUE: Various

CONTRACTING CONTACT: Greg Jamison, 410-436-2515,
Gregory.j.jamison.civ@mail.mil

SOLICITATION #: TBD

ESTIMATED SOLICITATION RELEASE DATE: Unknown



PROGRAM OVERVIEW

Various Contracts

- Includes service and supply contracts
- Various values
- Limited number identified at this time

Army Research Office (ARO) Scientific Services Program (SSP)

- IDIQ Single Award R&D Contract; Battelle
- Provides for 100% pass-through to subs
- Limited to \$1M or less
- Admin fees
 - 4% > \$150K - \$1M
 - 7% ≤ \$150K
- 24 month POP > \$750k; otherwise 18 month POP
- No SETA, A&AS, training delivery, staff augmentation, acquisition, or any inherently governmental functions



PROGRAM OVERVIEW

Homeland Defense Technical Area Task (HD TAT)

- IDIQ Multiple Award; 12 Awardees
 - Battelle
 - Jacobs Technology
 - MRI Global
 - Scitor
 - URS Federal Services
 - National Security Information Associates
 - Booz Allen Hamilton
 - MacAulay-Brown
 - SAIC
 - TASC
 - Wyle Labs
 - Strategic Analysis
- Virtually unlimited subcontractor pass-through
- No limit on award value
- Admin fee = 1.2%
- 5 Year POP (4 yrs in YR4, 3 yrs in YR3, etc.)
- Expansive scope; two other technical area tasks (TATs) awarded to accommodate a larger scope area; Defense Systems TAT and Software, Networks, Information, Modeling and Simulation (SNIM) TAT



OPPORTUNITY

TITLE: Physical Sciences Division -

- to provide support in the areas of signal processing and algorithm development; aerosol physics research; laser research; and computational chemistry

CONTRACT TYPE: CPFF

ESTIMATED VALUE: <\$10M

CONTRACTING CONTACT: TBD

SOLICITATION #: TBD

ESTIMATED SOLICITATION RELEASE DATE: 3QFY15

UNCLASSIFIED//Approved for Public Release



U.S. ARMY
RDECOM

OPPORTUNITY

TITLE: Individual Protection System Performance Model –

- development of the model
- use material testing data, agent properties, and human toxicity data to develop estimates of whole system performance for chemical/biological individual protection systems

CONTRACT TYPE: CPFF

ESTIMATED VALUE: <\$5M

CONTRACTING CONTACT: TBD

SOLICITATION #: TBD

ESTIMATED SOLICITATION RELEASE DATE: 3QFY15

UNCLASSIFIED//Approved for Public Release



U.S. ARMY
RDECOM

OPPORTUNITY

TITLE: Hybrid LCMS, Orbitrap Fusion Tribrid Mass Spectrometer –

- Lab Equipment
- 3 Types of Mass Analyzers
 - Quadrupole
 - Orbitrap
 - Ion Trap
- Multiple Dissociation Modes
 - Collision Induced Dissociation (CID)
 - Electron Transfer Dissociation (ETD)

CONTRACT TYPE: FFP

ESTIMATED VALUE: <\$500K

CONTRACTING CONTACT: TBD

SOLICITATION #: TBD

ESTIMATED SOLICITATION RELEASE DATE: TBD

UNCLASSIFIED//Approved for Public Release



U.S. ARMY
RDECOM

OPPORTUNITY

TITLE: Cryophobe Nuclear Magnetic Resonance (NMR) -

- Lab Equipment
- Element Specific Cryophobe for NMR
- Specific for Fluorine

CONTRACT TYPE: FFP

ESTIMATED VALUE: <\$500K

CONTRACTING CONTACT: TBD

SOLICITATION #: TBD

ESTIMATED SOLICITATION RELEASE DATE: TBD

UNCLASSIFIED//Approved for Public Release



U.S. ARMY
RDECOM

OPPORTUNITY

TITLE: Services

- Preventive Maintenance, Breathing Air Compressors
- Maintenance on VIB systems and Replacement of Controllers
- Calibration Services X 3
- Full Service Preventive Maintenance
- Product Center License Maintenance
- LCMS Training
- Humvee Maintenance

CONTRACT TYPE: FFP

ESTIMATED VALUE: \$2.5 - \$250K

CONTRACTING CONTACT: TBD

SOLICITATION #: TBD

ESTIMATED SOLICITATION RELEASE DATE: TBD

UNCLASSIFIED//Approved for Public Release



U.S. ARMY
RDECOM

OPPORTUNITY

TITLE: Supplies

- Model 5(C) Generator
- Minicams Warning Box
- Heated Sample Lines
- EDT Controller Lines
- Preconcentrator Tubes
- DAAMS Tubes
- Radio Frequency Equipment
- Rooftop Air Conditioning Units
- Window Air Conditioning Units
- Universal Pumps
- Chromlink Replacements
- Gas Cylinders
- Swagelok
- Gators
- DAAMS Trailer
- Hydrogen Generator Repair Cells
- DAAMS Flowmeters
- Laptops with Docking Stations
- Solar Radiation Spectrometer
- Temperature/Humidity Chamber Controllers

CONTRACT TYPE: FFP

ESTIMATED VALUE: \$5K - \$80K

CONTRACTING CONTACT: TBD

SOLICITATION #: TBD

ESTIMATED SOLICITATION RELEASE DATE: TBD



UNCLASSIFIED//Approved for Public Release

OPPORTUNITY

TITLE: Lab Supplies

- Various requirements , such as
 - Crimpers
 - Syringe Filters
 - Test Strips
 - Tubing
 - Purple Nitrile Gloves
 - Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Silver, Selenium
 - Metals & Cyanide Blank Sand
 - Hexagonal Weighing Dishes
 - Clorox Bleach
 - Diaphragm Valve
 - Bench Bracket
- Various values
- Small dollars
- Various timeframes throughout the FY

CONTRACT TYPE: FFP

ESTIMATED VALUE: Up to \$25K

CONTRACTING CONTACT: TBD

SOLICITATION #: TBD

ESTIMATED SOLICITATION RELEASE DATE: TBD

UNCLASSIFIED//Approved for Public Release



U.S. ARMY
RDECOM

OPPORTUNITY

TITLE: Aerosol Branch & Joint United States Forces Korea (USFK) Portal and Integrated Threat Recognition (JUPITR) Service

- Army Research Office (ARO) Scientific Services Program (SSP)

CONTRACT TYPE: CPFF

ESTIMATED VALUE: <\$500K

CONTRACTING CONTACT: TBD

SOLICITATION #: TBD

ESTIMATED SOLICITATION RELEASE DATE: 1QFY15

UNCLASSIFIED//Approved for Public Release



U.S. ARMY
RDECOM

OPPORTUNITY

TITLE: Nuclear Biological Chemical (NBC) Battlefield Management Branch

- Army Research Office (ARO) Scientific Services Program (SSP)

CONTRACT TYPE: CPFF

ESTIMATED VALUE: <\$1M

CONTRACTING CONTACT: TBD

SOLICITATION #: TBD

ESTIMATED SOLICITATION RELEASE DATE: 2QFY15



OPPORTUNITY

TITLE: Engineering Technical Directorate

- Homeland Defense Technical Area Task (HD TAT)
- To provide general support to the Engineering Directorate

CONTRACT TYPE: CPFF

ESTIMATED VALUE: >\$25M

CONTRACTING CONTACT: TBD

SOLICITATION #: TBD

ESTIMATED SOLICITATION RELEASE DATE: 2QFY15

UNCLASSIFIED//Approved for Public Release



U.S. ARMY
RDECOM

OPPORTUNITY

TITLE: Request for Information (RFI) - Joint Biological Tactical Detection System Increment 2

- RFI will be published in Federal Business Opportunities (FB0)
- RFI Subject will be application of small, light weight biological detectors/collectors for unmanned aerial vehicles, unmanned ground vehicles or unmanned/manned portable tactical emplacement
- No procurement requirement at this time; looking to see what is available in the commercial sector

CONTRACT TYPE: RFI Only

ESTIMATED VALUE: N/A

TECHNICAL CONTACT: Daniel M. Nowak, NBC Battlefield Integration Branch,
daniel.m.nowak.civ@mail.mil, 410-436-5631

RFI #: TBD

ESTIMATED RFI RELEASE DATE: 2QFY15 (NOV 2014)

UNCLASSIFIED//Approved for Public Release



U.S. ARMY
RDECOM

PROGRAM OVERVIEW

Broad Agency Announcement (BAA) ECBC-11 supports the acquisition of unique and innovative concepts for basic and applied research and development efforts not related to the development of specific systems or hardware. ECBC competitively solicits concept papers as described in section 5 of the BAA. These concept papers must respond to the appropriate Technical Topic area(s) set forth in section 7 of the BAA, which include:

- **Biotechnology**
- **Aerosol Technology**
- **Biological Point Detection**
- **Chemical Point Detection**
- **Early Warning and Detection**
- **Smoke and Obscurants**
- **Modeling, Simulation and**
- Analysis for CB, Smoke and Obscurants**
- **Collective Protection Technology**
- **Respiratory Protection Technology**
- **Decontamination**
- **CBRNE Countermeasures to Terrorism**
- **Flame and Incendiary Technology**
- **Explosives Point, Proximal and Standoff Detection**
- **Chemical Forensics**
- **Surface Science**

The BAA is continually open for submissions, which are evaluated on their own merit against the Government's requirements, not against the submissions of other offerors. If in compliance with the criteria and requirements outlined in section 3.2 and the rest of the BAA, and evaluated favorably, a potential procurement action could follow, contingent upon the availability of funding and in conformance with applicable procurement regulations.

- Please see: https://www.ecbc.army.mil/about/download/ECBCBAA2011_rev-22-MAR-13.pdf



PROGRAM OVERVIEW

ECBC has participated in the Army **Small Business Innovation Research (SBIR)**, **Chemical, Biological Destruction (CBD) SBIR** and **Army Small Business Technology Transfer (STTR)** programs since their inceptions. Designed to stimulate technological innovation and increase small business participation in federal research and development (R&D), these programs consist of three phases:

- Phase I – Proof-of-Concept/Feasibility Study
 - SBIR: The maximum dollar amount = \$100,000. The Phase I Option, which **must** be proposed as part of the Phase I proposal, covers activities over a period of up to three months (for CBD SBIR) or four months (for Army SBIR) at a cost not to exceed \$50,000.
 - STTR: Phase I awards normally do not exceed \$100,000 in total costs for 1 year. There is no Phase I Option in STTR.
- Phase II - Two-Year Development
- Phase III – Commercialization, either private or government (involves non-SBIR funding)

These programs generally define a small business as one with less than 500 employees. Proposal selections are determined via competitive, merit-based procedures.

To learn more, please visit:

- <https://www.armysbir.army.mil/>
- <https://www.cbdsbir.net/>



TECHNOLOGY DRIVEN WARFIGHTER FOCUSED

EDGEWOOD CHEMICAL BIOLOGICAL CENTER

For more information about the Edgewood Chemical Biological Center visit
www.ecbc.army.mil or email technical.outreach@apgea.army.mil

