



Welcome To the 2nd Annual

Team Aberdeen Proving Ground

Advanced Planning

Briefing for Industry

“Where Innovation Thrives”

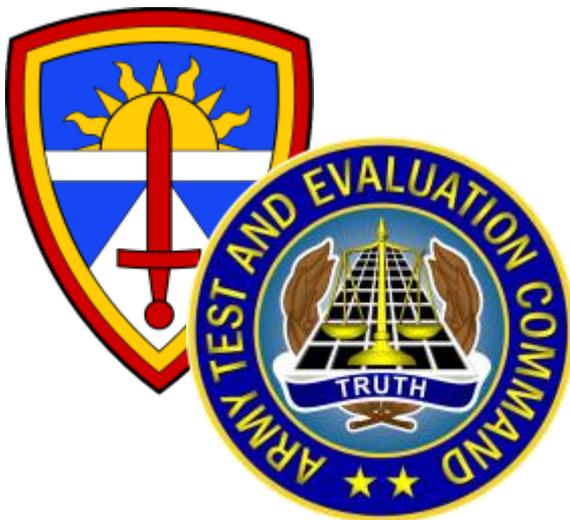
December 2-6, 2013



ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFINGS TO INDUSTRY



US Army Test and Evaluation Command (ATEC) Welcome & Overview



*Mr. Robert Carter
Executive Technical Director
4 December 2013*

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



Mission, Vision, End State



Mission

ATEC plans, integrates and conducts experiments, developmental testing, [independent operational testing](#) and [independent evaluations and assessments](#) to provide essential information to acquisition decision makers and commanders.

Vision

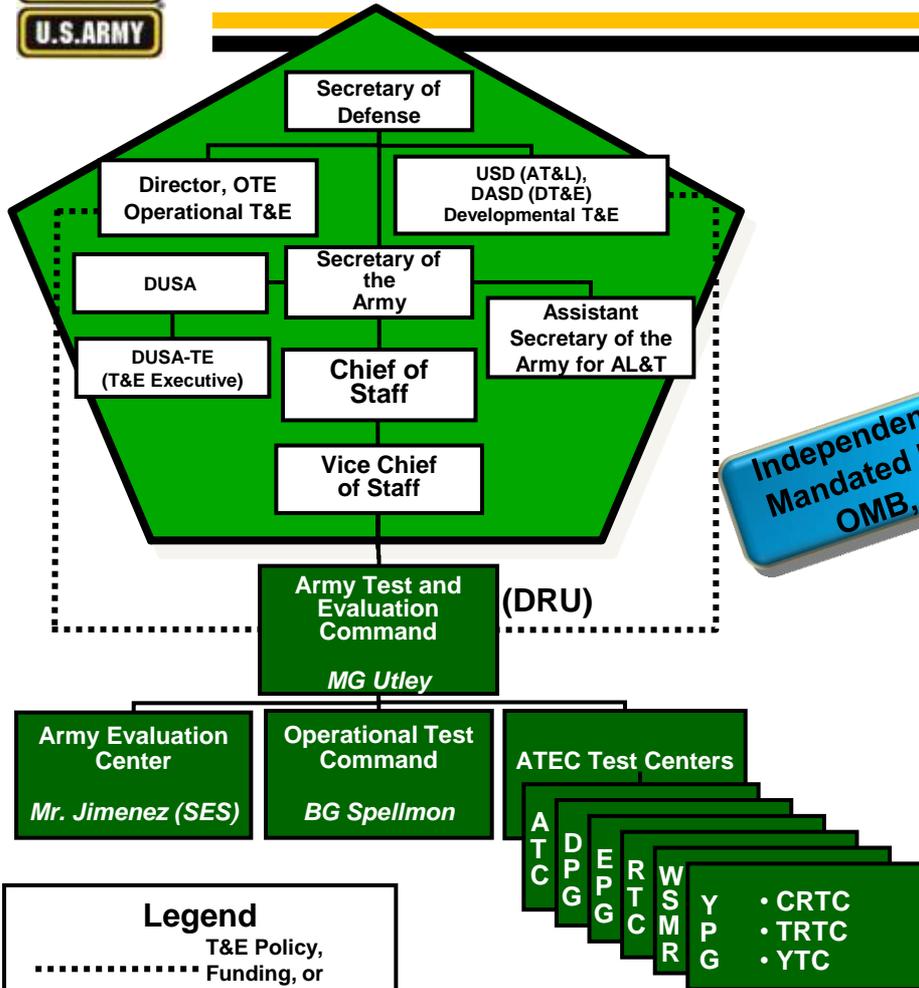
Determine the true capability provided to our Soldiers through [resource informed](#) developmental, integrated and operational test and evaluation in an [independent and objective manner](#).

End State

The Army possesses a versatile mix of adaptable Soldiers and units [equipped with proven materiel](#) based on decisions informed by independent evaluations of technically proficient and versatile experimental, developmental, and operational tests.



How We Fit



Legend
 T&E Policy,

 Funding, or
 Oversight

DRU – Direct Reporting Unit

Why We Do It



- **General Orders No. 13, Signed CSA 16 Oct 06**
- **LAW (Section 139, Title 10, U.S. Code)**
 - Establish office of Director, Operational Test and Evaluation
 - Requires annual report to Congress for oversight systems
- **LAW (Section 2366, Title 10, U.S. Code)**
 - Live Fire Test & Evaluation
 - Requires survivability testing of major systems meant to protect their occupants
 - Requires lethality testing of munitions
 - Requires a LFT&E test report to congressional defense committees.
- **LAW (Section 2399, Title 10, U.S. Code)**
 - Defense Appropriations Act
 - Requires **independent** Initial Operational Test & Evaluation (IOTE) before proceeding beyond low-rate initial production (LRIP) for all major defense acquisition programs
 - Three qualifications - production or production-like materiel; typical users; realistic conditions
 - Limits system contractor involvement in **IOTE**
- **LAW (Section 2400, Title 10, U.S. Code)**
 - Low-Rate Initial Production (LRIP)
 - Quantities for IOTE are established by the DOT&E for oversight systems, and by OTAs for others



Who We Are



- **Full Spectrum Testing**
 - Only test organization in DoD to encompass all phases of testing; developmental, operational & evaluation
- **Major Contributor**
 - Testing and Evaluating over 500 systems
 - 1100 test events working daily
 - ATEC Forward – Forward Operational Assessment Teams in Afghanistan and Qatar
- **Large, complex organization**
 - ~9,400 personnel (63 Ph.D.s) (29 Colonels)
 - 1,925 STEM professionals (43% of the civilian workforce)
 - 26 Locations, 17 States, Operating on 5.5 million acres (1/3 Army's Land mass), Army's only nuclear reactor
 - Mostly reimbursable; competitive, efficient, operationally-focused
 - \$5.1 Billion capital investment in facilities/instrumentation
- **Value-added**
 - Testing everything from Riflesto National Missile Defense...except medical and uniforms



Current Environment



- **Defense budget uncertainty, but generally trending down**
 - **CRA.....again**
 - **OCO funding drying up**
 - **Budget Control Act...how long?**
- **Army force structure reductions accelerated**
- **Modernization efforts impacted – programs killed or down-scoped**

T&E will continue to play a vital role!



Welcome To the 2nd Annual

Team Aberdeen Proving Ground

Advanced Planning

Briefing for Industry

“Where Innovation Thrives”

December 2-6, 2013

T&E in Defense

Acquisition

Information to Help Make Vision Become Reality

ATEC Advanced Planning Briefing to Industry



Dr. C. David Brown
DASD(DT&E) / Director, TRMC



The need for early T&E is universal!



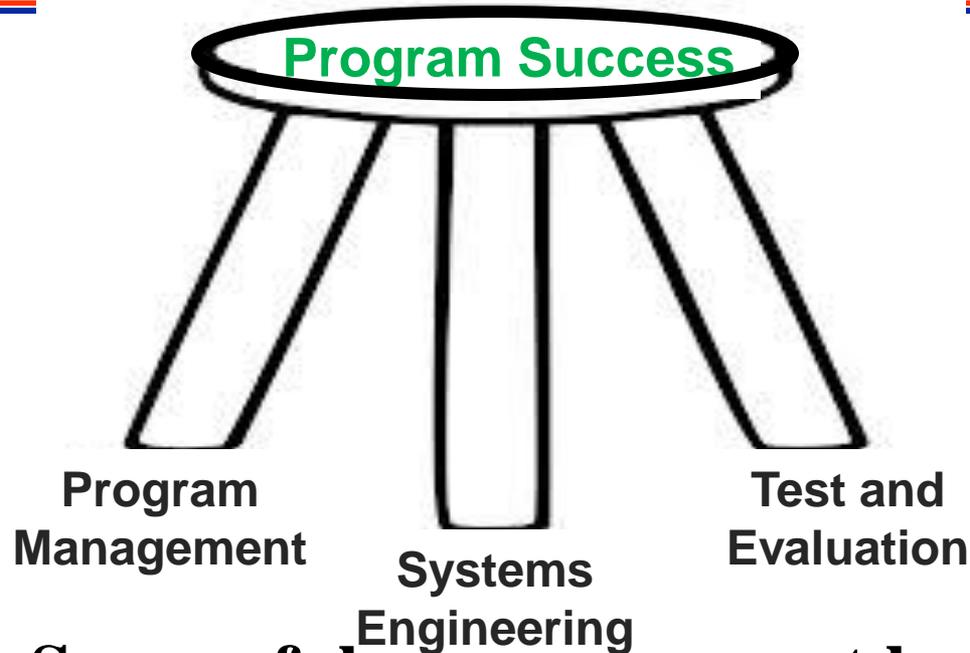
Full testing of HealthCare.gov began too late, contractors say



Video: Representatives on both sides of the aisle grew heated in questioning executives of contractors that worked on the Web site for President Obama's health care law.



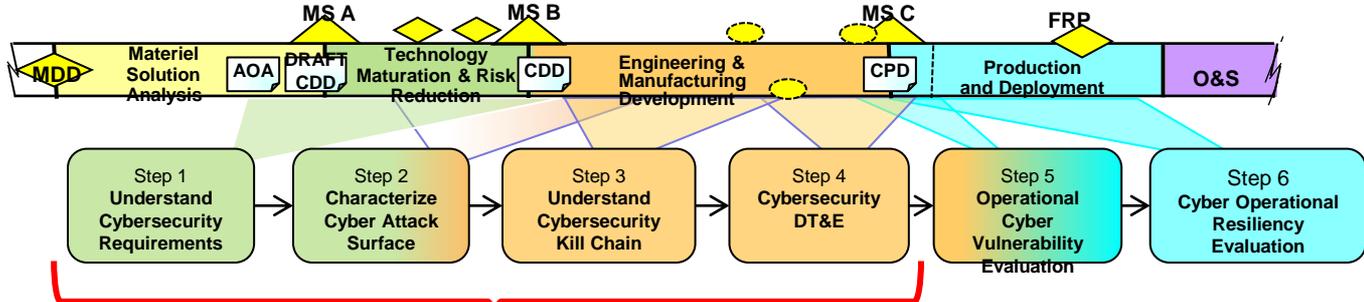
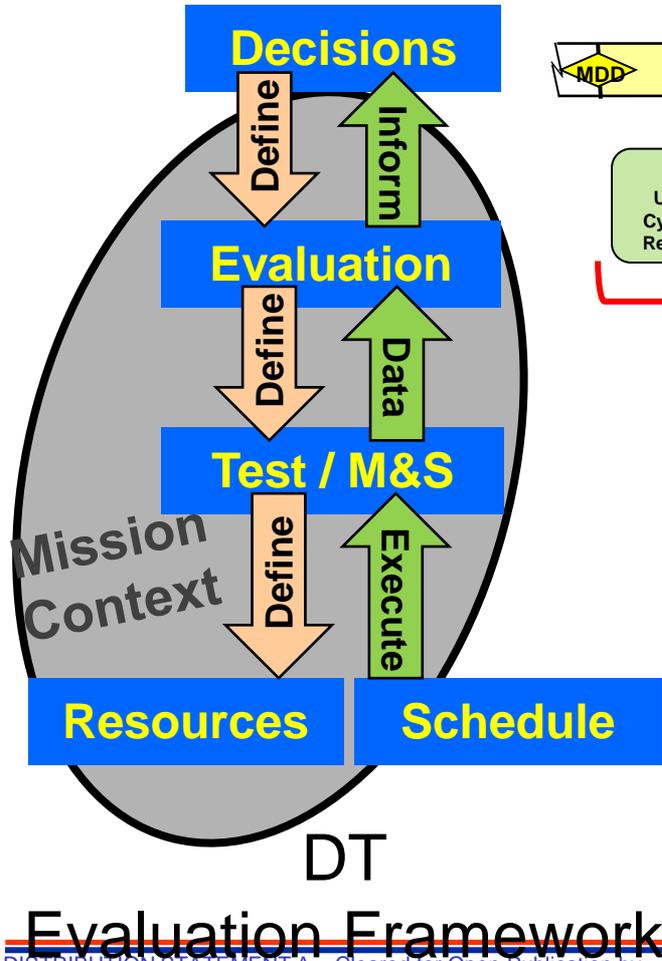
My Philosophy



**Successful programs must be
well managed,
well engineered,
and well informed!**



Right Information Major Initiative - Science of DT&E



Cybersecurity DT&E

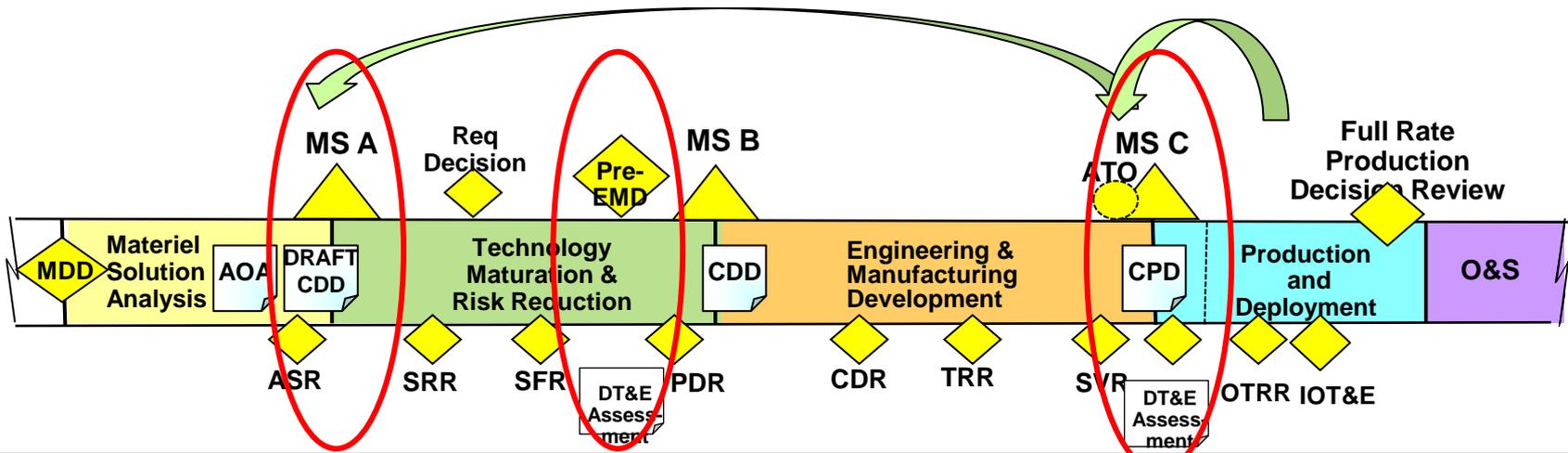
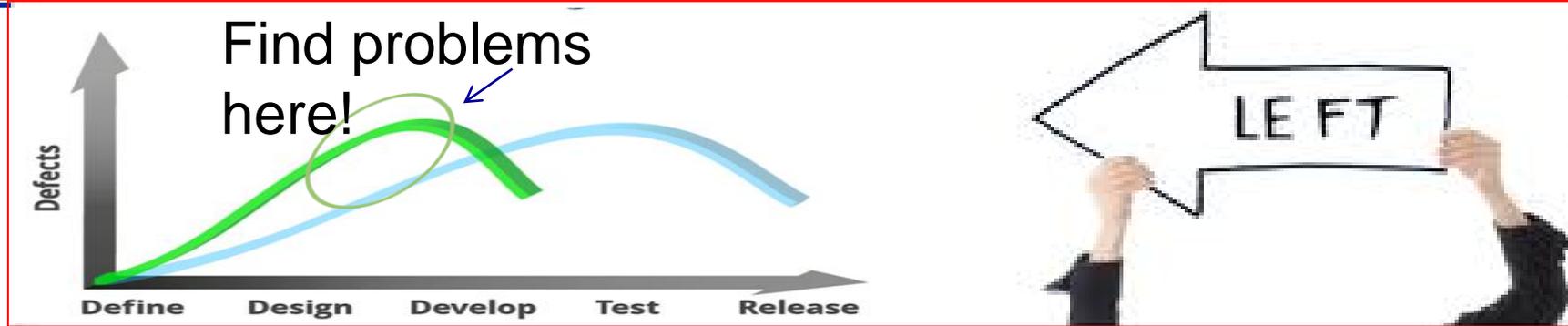


STAT T&E

Center Of Excellence



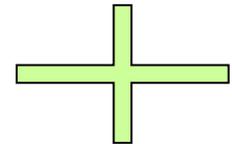
Right Time Major Initiative - Shift Left



What is Shifting Left? DT&E activity and involvement!



Right Resources Infrastructure + Workforce + Funding



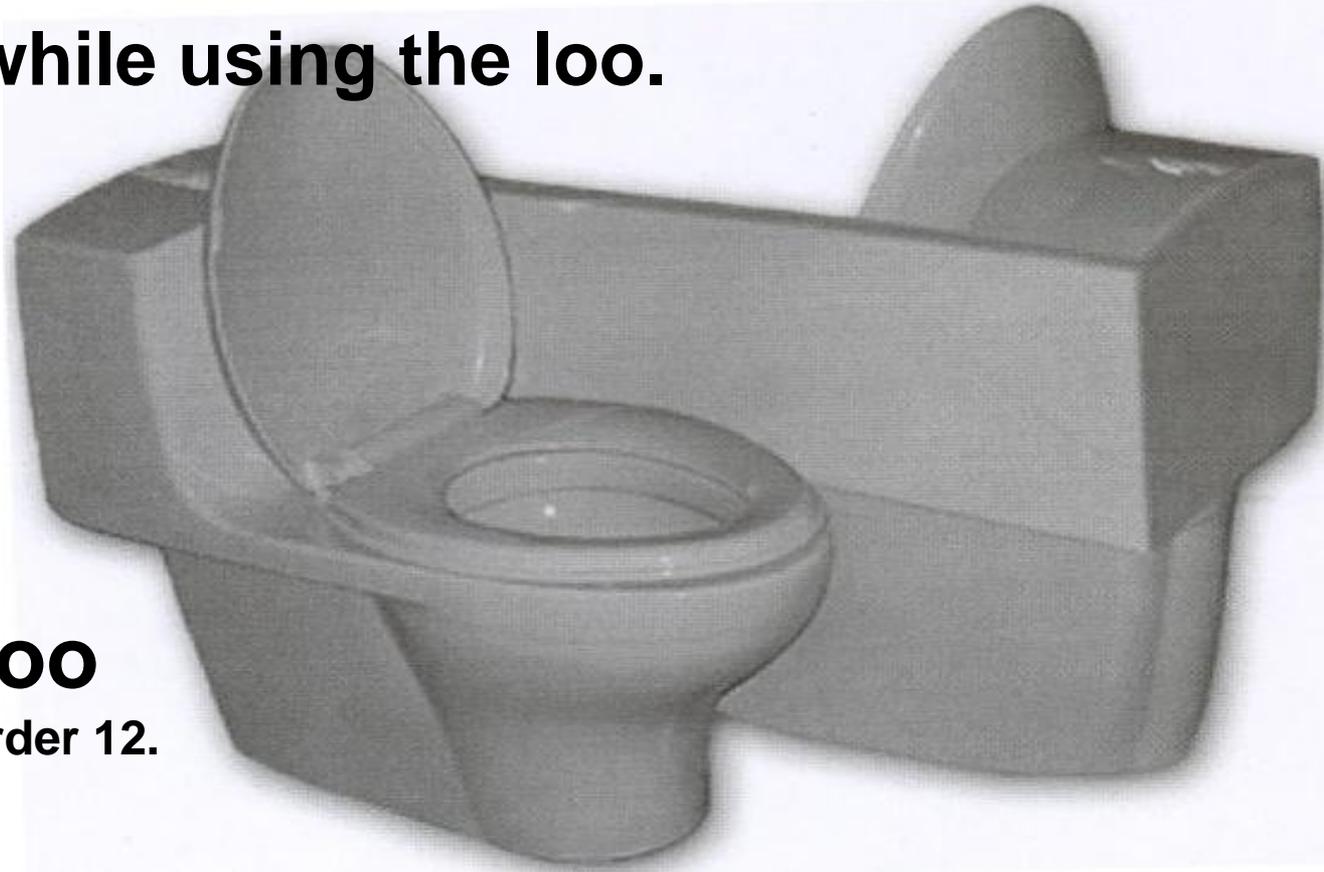
Tropic
Center
Rico

Legen
Army,





The Requirement: Must be able to communicate while using the loo.



The TwoDaLoo

\$1400 each, minimum order 12.



Welcome To the 2nd Annual

Team Aberdeen Proving Ground

Advanced Planning

Briefing for Industry

“Where Innovation Thrives”

December 2-6, 2013



ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFINGS TO INDUSTRY



US Army Test and Evaluation Command (ATEC) Headquarters ATEC



*Mr. David Jimenez
Army Evaluation Center, Director
4 December 2013*

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



Opportunities



TITLE: Enterprise Information Technology Support Services (EITSS) Contract

CONTRACT TYPE: Cost-Plus-Fixed-Fee

ESTIMATED VALUE: \$14.6M/year

ESTIMATED PoP: 5 years

KEY MILESTONES:

- **Issue RFP: Jan 2014**
- **Forecast Award: Aug 2014**

CONTRACTING CONTACT: MICC-Ft. Hood KO, Ted Panknin

SOLICITATION #: W91151-13-R-1000

TYPE OF COMPETITION: Unrestricted

LOCATION: Aberdeen Proving Ground, MD and West FT Hood, TX

CURRENT PRIME CONTRACTOR: STG, Inc.



Opportunities (cont'd)



- **Objectives: Provides Information Technology (IT) and Engineering Support to the Army Test and Evaluation Command (ATEC)'s testing, experimentation, and evaluation mission.**

- **Types of Skills:**
 - **IT Specialists**
 - **Network and LAN/WAN Engineers**
 - **Electronic Technicians**
 - **Engineers**
 - **Supply and Logistics Technicians**
 - **VTC Specialists**
 - **Procurement Managers**
 - **Record Managers**
 - **Technical Writers**
 - **Training Specialists**



ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFINGS TO INDUSTRY



US Army Test and Evaluation Command Army Evaluation Center (AEC)



*Mr. David Jimenez
Army Evaluation Center, Director
4 December 2013*

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



Program Overview



- Integrated Suitability and Methodology
- Soldier and Support System
- Ballistic Missile Defense
- Mounted Systems
- Aviation – Fires
- Survivability
- C4ISR

The Army Evaluation Center (AEC) plans and conducts independent, integrated evaluations and assessments of acquisition systems to provide essential information to key DoD decision-makers. These evaluations provide information on the safety, effectiveness, suitability, and survivability of Army and Joint systems.



Opportunities



TITLE: AEC Omnibus for Continuous Evaluation Support

CONTRACT TYPE: Cost-Plus-Fixed-Fee and Firm-Fixed-Price

ESTIMATED VALUE: \$88M/year

ESTIMATED PoP: 5 years

KEY MILESTONES:

- Issue Draft RFP: Dec 2013
- Issue Final RFP: Feb 2014
- Forecast Award: Oct 2014

CONTRACTING CONTACT: ACC-APG KO, Ralph Kaminski

SOLICITATION #: W91CRB-13-R-0009

TYPE OF COMPETITION : There will be some small business set-asides. Those not set-aside will be full and open.

LOCATION: Aberdeen Proving Ground, MD and various locations

CURRENT PRIME CONTRACTOR: 6 different contractors (CAS, MSA, TASC, SAIC, TBE, VRC)



Opportunities (cont'd)



- **Objectives:** Provides onsite and offsite analytical support of evaluation and analysis, planning and reviewing T&E documentation, data reduction and analysis support, and preparing input to system assessment and system evaluation documents.

- **Types of Skills:**

- Analysts
- Project Managers
- Engineers (Mechanical, Electrical, Manufacturing, Computer, Civil)
- Technicians (Electronic, Engineering, Mechanical)



Welcome To the 2nd Annual

Team Aberdeen Proving Ground

Advanced Planning

Briefing for Industry

“Where Innovation Thrives”

December 2-6, 2013



ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFINGS TO INDUSTRY



US Army Test and Evaluation Command Operational Test Command (OTC)

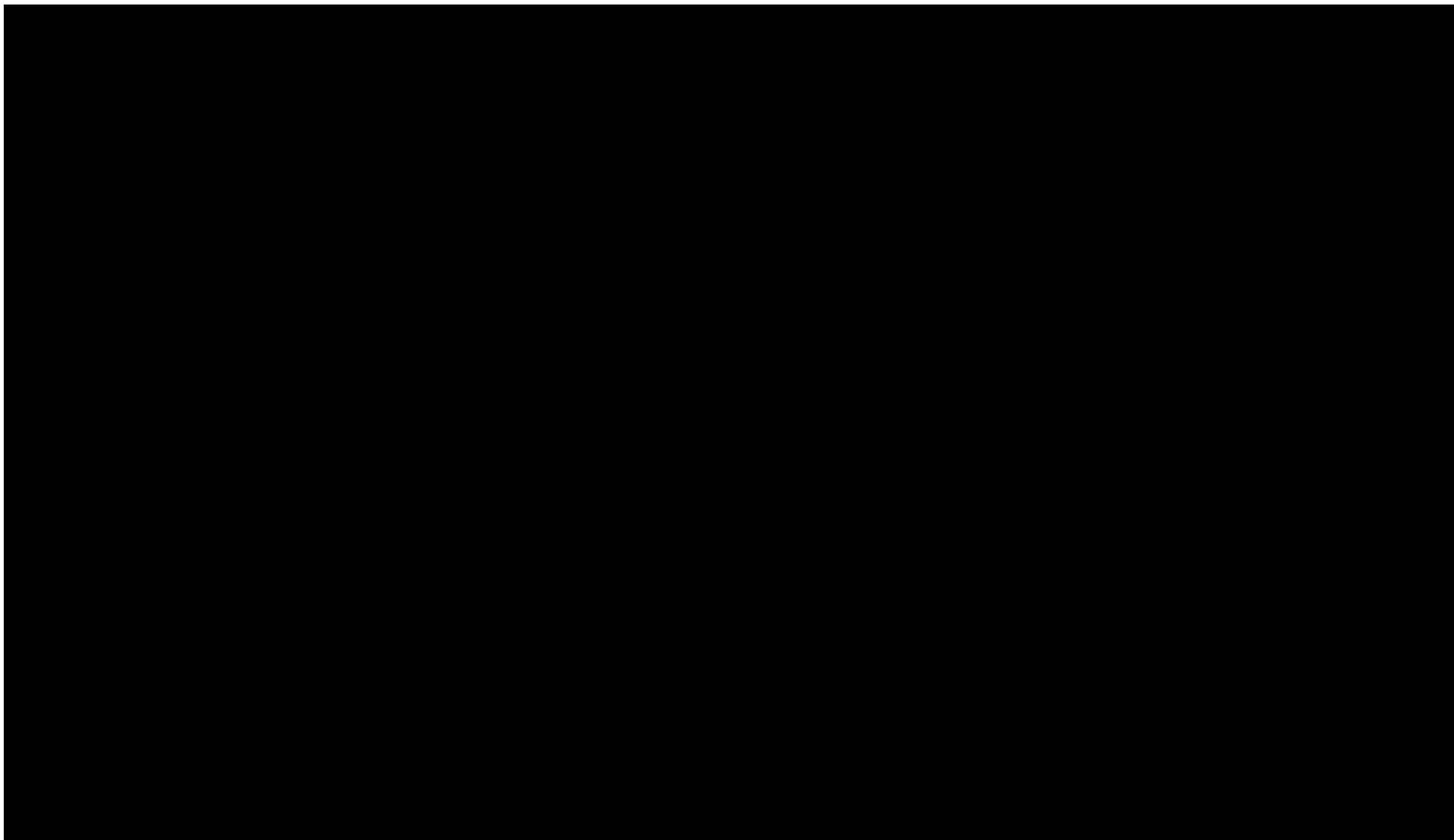


*Mr. Bill Adams
Executive Director (Acting)
4 December 2013*

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

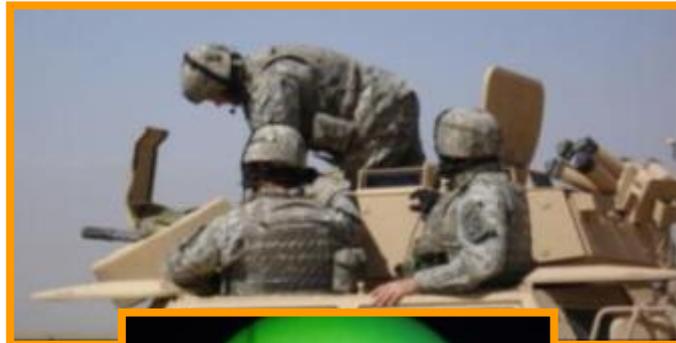


OTC Video





Program Overview



- Aviation
 - Fires
- Chemical
 - Infantry & Armor
 - Airdrop & Airborne
 - Reconnaissance
- Electronic Surveillance
 - Electronic Warfare
- Counter Improvised Explosive Device

Plans and conducts independent operational testing and experiments in order to provide essential information for the decision making process. Collects data to support evaluation reports on system operational effectiveness, suitability and survivability. Performs field experiments and evaluates technology demonstrations in support of the technology base.



Opportunities



TITLE: Test Technology Support Services (TTSS)

CONTRACT TYPE: Cost-Plus-Fixed-Fee - IDIQ

ESTIMATED VALUE: \$5.8M/year

ESTIMATED PoP: 5 years

KEY MILESTONES:

- Issue RFP: Early Dec 2013
- Forecast Award: TBD

CONTRACTING CONTACT: MICC KO, Ted Panknin

SOLICITATION #: W91151-12-R-0018

TYPE OF COMPETITION: 8(a)

LOCATION: Fort Hood, TX and other locations as tasked

CURRENT PRIME CONTRACTOR: GaN Corporation



Opportunities (cont'd)



- **Objectives:** Provides simulations and stimulations to include battle command, communications and electronic warfare systems. Provides technical services in support of operational test and evaluations activities. These activities include the consolidation of integration and development activities for instrumentation, simulation, test control, and data management/analysis; operational test execution; test planning, rehearsal, and technical preparation.

- **Types of Skills:**
 - Senior Systems Analysts
 - Junior Systems Analysts
 - Tactical Simulation System (TACSIM) / Intelligence Modeling and Simulation for Evaluation (IMASE) Senior Software Engineers
 - TACSIM/IMASE Junior Software Engineers
 - Electrical Engineers
 - Software Engineers
 - Computer Systems Analysts
 - Computer Operators
 - Computer Programmers
 - Supply Technicians



Opportunities



TITLE: ITED/FTD Test Support Contract (TSC)

CONTRACT TYPE: Cost-Plus-Fixed-Fee - IDIQ

ESTIMATED VALUE: \$15M/year

ESTIMATED PoP: 5 years

KEY MILESTONES:

- Issue RFP: Jun 2014
- Forecast Award: TBD

CONTRACTING CONTACT: MICC KO, Ted Panknin

SOLICITATION #: TBD

TYPE OF COMPETITION: 8(a)

LOCATION: Fort Sill, OK and Fort Bliss, TX

CURRENT PRIME CONTRACTOR: Glacier Technologies, LLC



Opportunities (cont'd)



- Objectives: Provides operational test, data collection, and experimentation mission of OTC, with primary support to the Fires Test Directorate (FTD) at Fort Sill, and the Integrated Test and Evaluation Directorate (ITED) and FTD Missile Test Division (MTD) at Fort Bliss. The contractor may be required on an intermittent basis to perform testing, data collection, and experimentation in support of combined Developmental and Operational Test, Joint and Multi-Service tests, Training Activities, and other Department of Defense (DOD) activities.

-Types of Skills:

- Computer Operators
- Computer Programmers
- Database Analysts
- Electronics Technicians
- Engineering Technicians
- General Clerks
- IT Systems Administration
- Laborers
- Motor Vehicle Mechanics
- Purchasing Specialists
- Machinists
- Data Entry/Data Collectors
- Software Engineers
- Systems Engineers
- Supply Technicians
- DIACAP Administrators



Welcome To the 2nd Annual

Team Aberdeen Proving Ground

Advanced Planning

Briefing for Industry

“Where Innovation Thrives”

December 2-6, 2013



ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFINGS TO INDUSTRY



US Army Test and Evaluation Command Aberdeen Test Center (ATC)

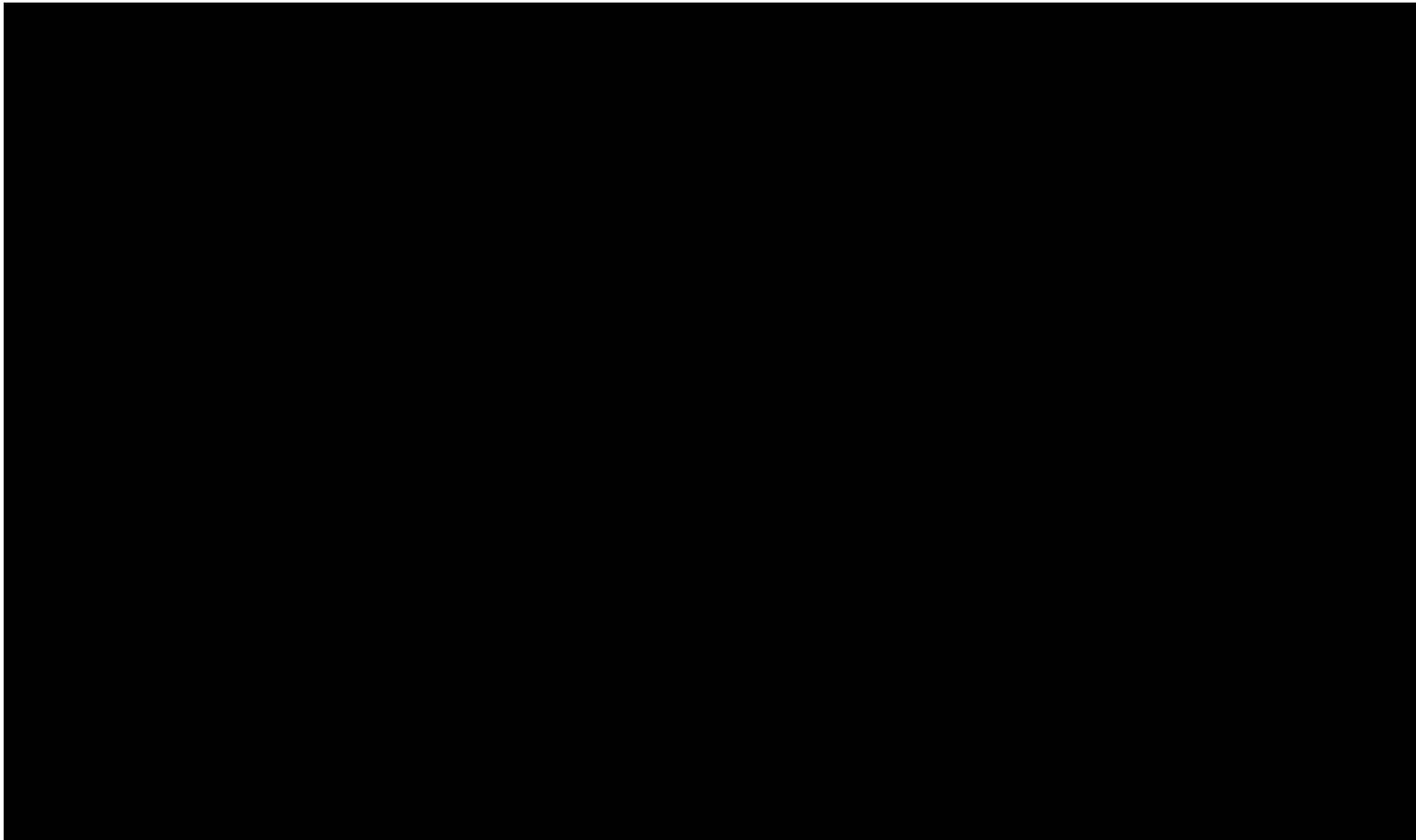


*Mr. John Wallace
Technical Director
4 December 2013*

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



ATC Video





Program Overview



- Open Air Ranges w/ Modular Instrumentation Suites
 - Traditional Laboratories w/ Advanced Tools
- Fabrication Facilities & Professional Craftsman Shops Domestic & Foreign Land / Sea-based Targets & Threats
 - Airfield with Landing Capabilities for any Military Transport Aircraft
 - Controls airspace
- 103 Miles of Shoreline With 60 Miles Adjacent to Live-Fire Ranges with MOUT Facility
 - UNDEX Water Depth 150'
 - Real-Time MET

To provide test and test support services for authorized customers, within DoD and outside DoD, including government and non-government organizations, domestic and foreign. Provide comprehensive test and training both real and simulated; provide expert knowledge and technical services including instrumentation application, facility operations, manufacturing and fabrication; exploit emerging technologies; and develop leading edge instrumentation and test methodologies.



Opportunities



TITLE: Engineering Services

CONTRACT TYPE: Firm-Fixed-Price - IDIQ

ESTIMATED VALUE: \$6.5M/year

ESTIMATED PoP: 3 years

KEY MILESTONES:

- **Issued RFP: 8 Nov 2013**
- **Forecast Award: Dec 2013**

CONTRACTING CONTACT: ACC-APG KO, Sherri Comer

SOLICITATION #: W91CRB-14-T-0001

TYPE OF COMPETITION: Small Business Set-Aside

LOCATION: Aberdeen Proving Ground, MD

CURRENT PRIME CONTRACTOR: SURVICE Engineering



Opportunities (cont'd)



- **Objectives:** Provides engineering services and expertise in support of survivability, lethality, and vulnerability test, evaluation, and test technology development efforts.

- **Types of Skills:**
 - **Engineers (Mechanical, Electrical, Manufacturing, Computer, Civil)**
 - **Scientists**



Opportunities



TITLE: Instrumentation & Test Facility Development Support

CONTRACT TYPE: Firm-Fixed-Price & Cost-Plus-Fixed-Fee – IDIQ (multiple award)

ESTIMATED VALUE: \$20M/year

ESTIMATED PoP: 5 years

KEY MILESTONES:

- Issue RFP: Jan 2014
- Forecast Award: Aug 2014

CONTRACTING CONTACT: ACC-APG KO, Thomas Marousek

SOLICITATION #: W91CRB-13-R-0050

TYPE OF COMPETITION: Small Business Set-Aside

LOCATION: Aberdeen Proving Ground, MD

CURRENT PRIME CONTRACTOR: Sotera Engineered Solutions, Inc



Opportunities (cont'd)



- Objectives: Provides design, fabrication and evaluation capability for the development of instrumentation systems.
- Types of Skills:
 - Engineers (Mechanical, Electrical, Manufacturing, Computer, Civil)
 - Technicians (Electronic, Engineering, Mechanical)
 - Information Systems Analysts
 - Computer Programmers



Opportunities



TITLE: Aberdeen Test Support Services

CONTRACT TYPE: Cost Reimbursement and Fixed-Price - IDIQ

ESTIMATED VALUE: \$100M/year

ESTIMATED PoP: 5 years

KEY MILESTONES:

- Issue RFP: Feb 2014
- Forecast Award: Jul 2014

CONTRACTING CONTACT: ACC-APG KO, Jeff Schoerner

SOLICITATION #: W91CRB-14-R-0040

TYPE OF COMPETITION: Unrestricted

LOCATION: Aberdeen Proving Ground, MD

CURRENT PRIME CONTRACTOR: Jacobs Technology, Inc.



Opportunities (cont'd)



- **Objectives:** Provides technical test support; Engineering services; Vehicle, Weapons systems and Equipment operation and maintenance, Operation and maintenance of environmental chambers and Ammunition testing.

- **Types of Skills:**
 - Engineers (Mechanical, Electrical, Computer, Civil)
 - Technicians (Automotive, Weapon Systems, Ballistic, Multi Media)
 - Scientists (Chemistry, Environmental)
 - Mechanics
 - Photographers
 - Range Laborers
 - Heavy Equipment Operators



Opportunities



TITLE: Security Support Services

CONTRACT TYPE: Firm-Fixed-Price

ESTIMATED VALUE: \$500K/year

ESTIMATED PoP: 5 years

KEY MILESTONES:

- Issue RFP: Jan 2015
- Forecast Award: Jun 2015

CONTRACTING CONTACT: ACC-APG KO, Thomas Marousek

SOLICITATION #: TBD

TYPE OF COMPETITION: 8(a) Set-Aside

LOCATION: Aberdeen Proving Ground, MD

CURRENT PRIME CONTRACTOR: Applied Business Management Solutions LL (ABMSI)



Opportunities (cont'd)



- Objectives: Provides administrative and technical security expertise services.

- Types of Skills:
 - Security Specialists (Administrative and Technical)
 - Security Technicians



Opportunities



TITLE: Heavy and Fleet Equipment Maintenance and Repair

CONTRACT TYPE: Firm-Fixed-Price & Time and Material

ESTIMATED VALUE: \$3M/year

ESTIMATED PoP: 2 years

KEY MILESTONES:

- Issue RFP: Feb 2015
- Forecast Award: Aug 2015

CONTRACTING CONTACT: ACC-APG KO, Alison Gannon

SOLICITATION #: TBD

TYPE OF COMPETITION: Unrestricted

LOCATION: Aberdeen Proving Ground, MD

CURRENT PRIME CONTRACTOR: Dynamic Science Incorporated (DSI)



Opportunities (cont'd)



- Objectives: Performs maintenance and repair on all non-tactical ATC fleet vehicles.
- Types of Skills:
 - Mechanics
 - Logistics/Supply Technicians



Welcome To the 2nd Annual

Team Aberdeen Proving Ground

Advanced Planning

Briefing for Industry

“Where Innovation Thrives”

December 2-6, 2013



ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFINGS TO INDUSTRY



US Army Test and Evaluation Command Dugway Proving Ground (DPG)



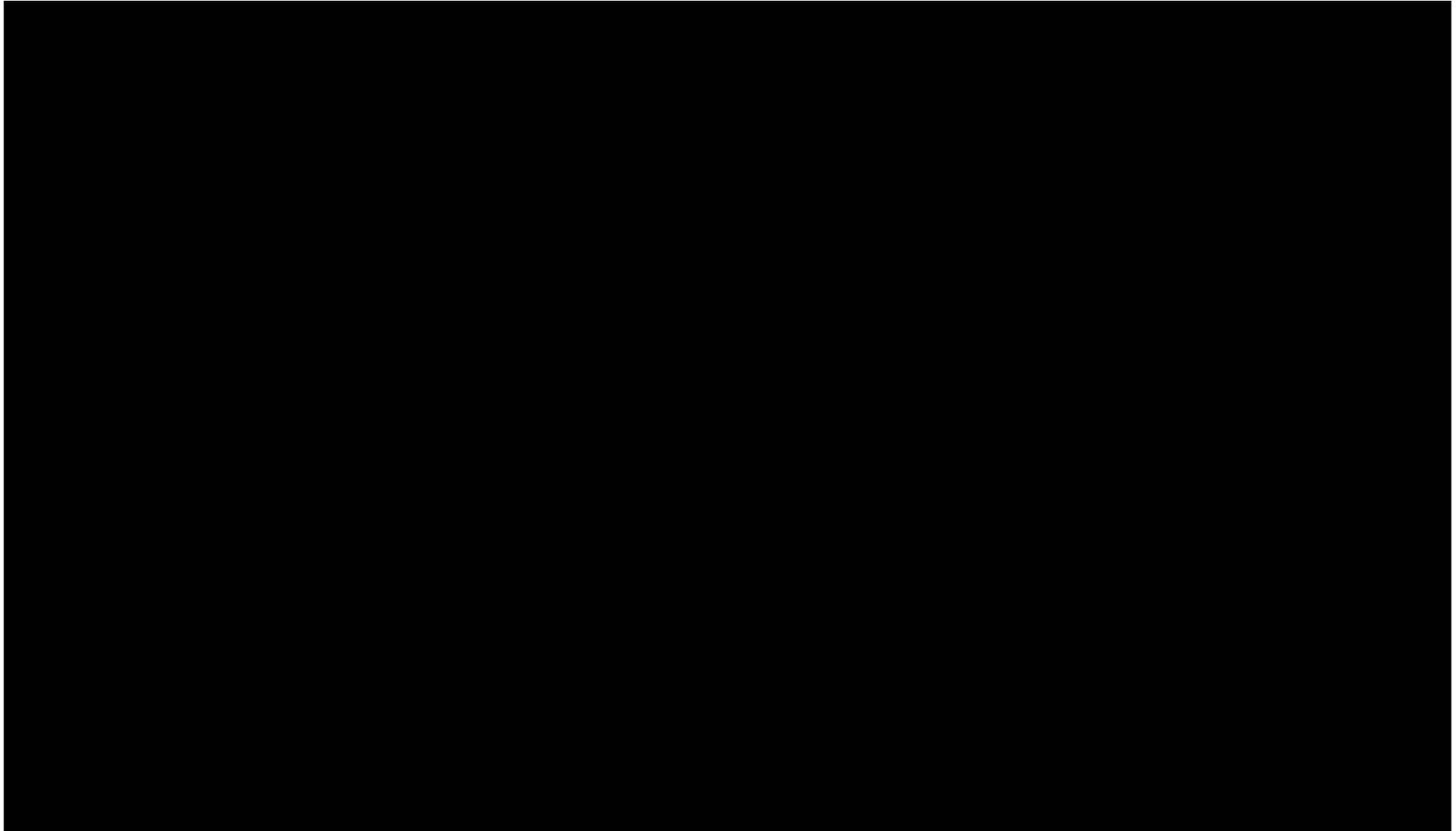
*Mr. John Jagde
Strategic Action Officer, DPG
4 December 2013*

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



U.S. ARMY

DPG Video





Program Overview



To safely test our Soldiers' equipment to the highest standards within cost and schedule

- Chemical
- Biological
- Radiological
 - Nuclear
- Explosives
 - Testing
- Evaluation
- Training





Opportunities



TITLE: Test Planning and Documentation

CONTRACT TYPE: Cost-Plus-Fixed-Fee

ESTIMATED VALUE: \$3.2M/year

ESTIMATED PoP: 5 years

KEY MILESTONES:

- Issue RFP: Feb 2015
- Forecast Award: Feb 2016

CONTRACTING CONTACT: MICC-DPG KO, Jim Keetch

SOLICITATION #: TBD

TYPE OF COMPETITION: Small Business Set-Aside

LOCATION: Dugway Proving Ground, West Desert Test Center, UT

CURRENT PRIME CONTRACTOR: Science and Technology Corp.



Opportunities (cont'd)



- Objectives: Provides technical writing, document editing, and data collection.
- Types of Skills:
 - Technical writers
 - Editors
 - Data collectors



Opportunities



TITLE: DSD Information Technology Support

CONTRACT TYPE: Cost-Plus-Fixed-Fee and Firm-Fixed-Price

ESTIMATED VALUE: \$2.8M/year

ESTIMATED PoP: 5 years

KEY MILESTONES:

- Issue RFP: Dec 2013
- Forecast Award: Nov 2014

CONTRACTING CONTACT: MICC-DPG KO, Jim Keetch

SOLICITATION #: W911S6-14-R-0001

TYPE OF COMPETITION: 8(a)

LOCATION: Dugway Proving Ground, West Desert Test Center, UT

CURRENT PRIME CONTRACTOR: IP Network Solution (IPNS)



Opportunities (cont'd)



- **Objectives:** Provides test support including software development, software maintenance, help desk, systems administration and network.

- **Types of Skills:**
 - Software developers
 - System administrators
 - Network technicians
 - Help desk technicians



Welcome To the 2nd Annual

Team Aberdeen Proving Ground

Advanced Planning

Briefing for Industry

“Where Innovation Thrives”

December 2-6, 2013



ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFINGS TO INDUSTRY



US Army Test and Evaluation Command Electronic Proving Ground (EPG)



***COL Ray Compton
Commander
4 December 2013***

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



Program Overview



Plan, conduct, analyze, evaluate and report the results of developmental and operational tests and evaluations in support of Network, EW and C5ISR customers. On Order provide support, expertise and test resources to OCO missions as directed.



- Antenna Testing
- Interoperability for Army LandWarNet/BC
 - GPS Testing
 - Cyber Security Testing
- System of Systems Integration
 - Environmental Testing
 - Operational Test Assets
- Communication Systems & Networks Testing
 - Electromagnetic Environmental Testing
- Meteorological Analysis for Test Planning & Support
- Search & Rescue Beacon Certification



Opportunities



TITLE: Intelligence Electronic Warfare Test Directorate Test Support

CONTRACT TYPE: TBD

ESTIMATED VALUE: \$6.5M/year

ESTIMATED PoP: 5 years

KEY MILESTONES:

- Issue RFP: Dec 2014
- Forecast Award: May 2015

CONTRACTING CONTACT: ACC-APG (Ft. Huachuca Div) KO, Katrina Wimmer

SOLICITATION #: TBD

TYPE OF COMPETITION: Small Business 8(a)

LOCATION: Fort Huachuca, AZ

CURRENT PRIME CONTRACTOR: GaN Corporation



Opportunities (cont'd)



- **Objectives:** Provides support to the operational testing of Army Intelligence and Electronic Warfare (IEW); Intelligence, Surveillance and Reconnaissance (ISR); Counter Improvised Explosive Devices (CIED) systems and equipments; and test and experiments on a wide range of DoD and Department's equipment and concepts including Rapid Acquisition Initiatives. **Note:** Execution increasingly centered on integrated/combined Developmental and Operational Testing.

- **Types of Skills:**

- Network Engineers
- Network Administrators
- Test Engineers
- Program Management
- Computer Systems Analysts
- Engineering Technicians
- Motor Vehicle Mechanics
- Human Resources
- Database Administrators
- Electronics Technicians
- Program Control Analysts
- Intelligence Operations Specialists



Welcome To the 2nd Annual

Team Aberdeen Proving Ground

Advanced Planning

Briefing for Industry

“Where Innovation Thrives”

December 2-6, 2013



ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFINGS TO INDUSTRY



US Army Test and Evaluation Command Redstone Test Center (RTC)

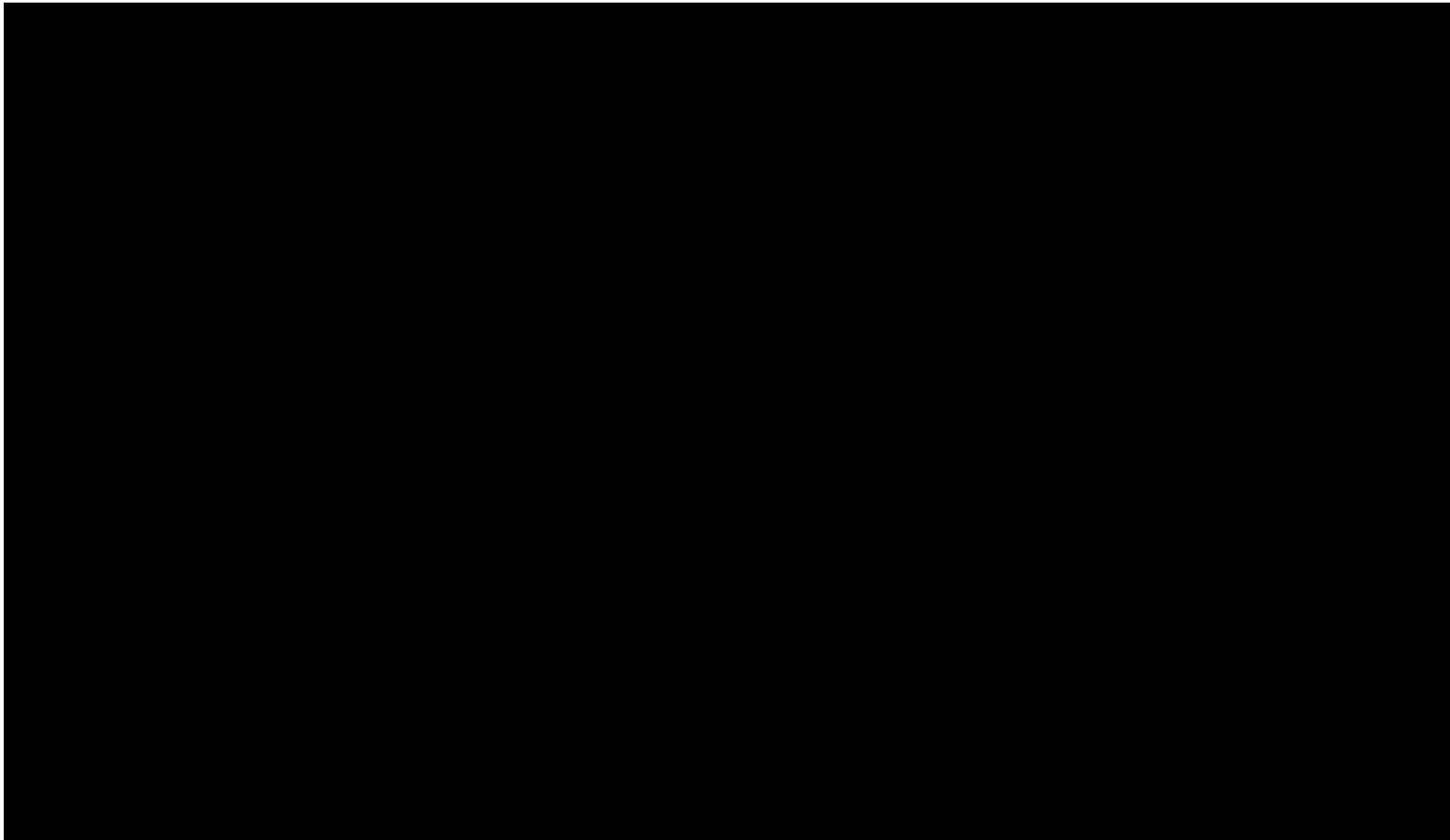


*Mr. Frank Atkins
Chief of Staff
4 December 2013*

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

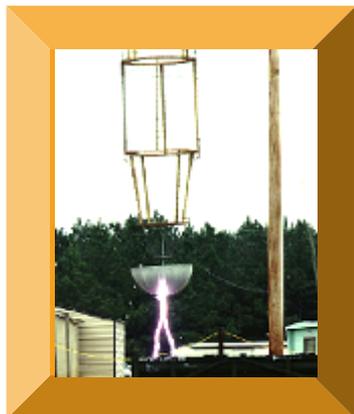


RTC Video





Program Overview



To provide Superior Technical Expertise and State-of-the-Art Facilities and Capabilities to Plan, Conduct, Analyze and Report the Results of Tests on Aviation, Missile and Sensors Systems, Subsystems and Components

- **LOS Missiles & Rockets**
 - **Guidance Systems**
 - **Electromagnetic Environmental Effects**
 - **Lightning Effects**
- **Shoulder-fired Weapons**
 - **Dynamic Chamber Environmental Testing**
- **Optical/Electro-optical Systems**
 - **Aircraft Systems**
 - **Airworthiness**



Opportunities



TITLE: Aviation Engineering Test and Support Services

CONTRACT TYPE: Cost-Plus-Fixed-Fee

ESTIMATED VALUE: \$29M/year

ESTIMATED PoP: 5 years

KEY MILESTONES:

- Issue RFP: Dec 2013
- Forecast Award: Jul 2014

CONTRACTING CONTACT: ACC-Redstone KO, Zina Smith

SOLICITATION #: W31P4Q-13-R-0051

TYPE OF COMPETITION: Competitive Small Business Set-Aside

LOCATION: Redstone Arsenal, AL

CURRENT PRIME CONTRACTOR: AI Signal Research, Inc



Opportunities (cont'd)



- **Objectives:** Provides Engineering and Testing Support Services for the Aviation Flight Test Directorate (AFTD) for developmental testing on aircraft, aviation systems, and associated support equipment.

- **Types of Skills:**
 - Engineers (Aerospace, Electrical, Human Factors)
 - Technicians (ALSE, Engineering, RAM, Supply, Telemetry, Communications Security, and Test Support)
 - Pilots
 - Analysts
 - Computer/Database Operators
 - Programmers
 - Flight Operations and Records Clerk
 - Logistics
 - Photographers
 - Facility Control
 - Technical Editors/Writers



Opportunities



TITLE: Climatic, Dynamic, Propulsion Division Support

CONTRACT TYPE: Cost-Plus-Fixed-Fee - IDIQ

ESTIMATED VALUE: \$17M/year

ESTIMATED PoP: 3 years

KEY MILESTONES:

- Issue RFP: Dec 2013
- Forecast Award: Mar 2014

CONTRACTING CONTACT: ACC-Redstone KO, Zina Smith

SOLICITATION #: W31P4Q-13-R-0055

TYPE OF COMPETITION: Competitive Small Business Set-Aside

LOCATION: Redstone Arsenal, AL

CURRENT PRIME CONTRACTOR: AI Signal Research, Inc



Opportunities (cont'd)



- Objectives: Provides support to perform tests, evaluations, analyses, test management, and incidental activities required for testing efforts, and other associated activities scheduled to be conducted by the Climatic, Dynamic, and Propulsion Test Divisions.

- Types of Skills:
 - Computer operators
 - Computer programmers
 - Computer technicians
 - Computer systems analysts
 - Drafter/CAD Operators Electricians
 - Engineering technicians (I thru V)
 - General clerks
 - Maintenance workers
 - Heavy equipment operators
 - HVAC Mechanics
 - Refrigeration and AC Mechanics
 - Photographers
 - Machinists
 - Order Clerks
 - Supply technicians
 - Technical writers
 - Welders
 - Engineers (System Safety, Systems, Staff)



Opportunities



TITLE: Missiles & Sensors Test Directorate Support

CONTRACT TYPE: Cost-Plus-Fixed-Fee – IDIQ

ESTIMATED VALUE: \$25M/year

ESTIMATED PoP: 5 years

KEY MILESTONES:

- Issue RFP: Mar 2014
- Forecast Award: Mar 2015

CONTRACTING CONTACT: ACC-Redstone KO, Zina Smith

SOLICITATION #: TBD

TYPE OF COMPETITION: Competitive Small Business Set-Aside

LOCATION: Redstone Arsenal, AL

CURRENT PRIME CONTRACTOR: Engineering Research and Consulting, Inc.



Opportunities (cont'd)



- **Objectives:** Provides test and evaluation of weapon systems, assemblies, subassemblies, components, and associated equipment ; design, fabricate, calibrate, set up, and install instrumentation to conduct test; collect test data; maintain and preserve test set ups and equipment; data reduction and analysis, and activities incidental to test conduct.

- **Types of Skills:**
 - Research Scientists
 - Project Engineers
 - Engineers
 - Design Specialists
 - Designers and Drafters
 - Computer Scientists
 - Computer Systems Analysts and Programmers
 - Mechanical Technicians
 - Instrumentation Technicians
 - Heavy Equipment Operators
 - Mechanics
 - Photographers
 - Meteorologists
 - Logistics
 - Maintenance Workers
 - Machinists
 - Technical Writers
 - Welders
 - Supply Technicians
 - Accounting and General Clerks



Opportunities



TITLE: Information Management Division Support

CONTRACT TYPE: Cost-Plus-Fixed-Fee

ESTIMATED VALUE: \$5M/year

ESTIMATED PoP: 5 years

KEY MILESTONES:

- **Issue RFP: Nov 2014**
- **Forecast Award: Jun 2015**

CONTRACTING CONTACT: ACC-Redstone KO, Zina Smith

SOLICITATION #: TBD

TYPE OF COMPETITION: Competitive 8(a)

LOCATION: Redstone Arsenal, AL

CURRENT PRIME CONTRACTOR: Bering Straits Information Technology, Inc.



Opportunities (cont'd)



- **Objectives:** Provides information technology support services for test and mission operational networks, intra branch test data, acquisition networks, and mission/test data life cycle management tasks.

- **Types of Skills:**
 - **Computer Scientists**
 - **Computer Network Service Manager**
 - **Computer Systems Analysts**
 - **Computer Programmers**
 - **Computer Operators**
 - **Computer Support Technicians**
 - **Instrumentation Technicians**
 - **Supply Technicians**
 - **Order Clerks**



Opportunities



TITLE: Environmental & Component Test Directorate Support

CONTRACT TYPE: Cost-Plus-Fixed-Fee

ESTIMATED VALUE: \$25M/year

ESTIMATED PoP: 5 years

KEY MILESTONES:

- Issue RFP: Jan 2015
- Forecast Award: May 2016

CONTRACTING CONTACT: ACC-Redstone KO, Zina Smith

SOLICITATION #: TBD

TYPE OF COMPETITION: Competitive 8(a)

LOCATION: Redstone Arsenal, AL

CURRENT PRIME CONTRACTOR: AI Signal Research, Inc



Opportunities (cont'd)



- Objectives: Performs tests, evaluations, analyses, test management, and incidental activities required for testing efforts, and other associated activities.

- Types of Skills:
 - Engineers
 - Computer Operators
 - Computer Programmers
 - Computer Technicians
 - Computer Systems Analysts
 - Drafter/CAD Operators
 - Electricians
 - Electronics Technicians
 - Engineering Technicians (I thru V)
 - General Clerks
 - Maintenance Workers
 - Heavy Equipment Operators
 - Heating, Refrigeration & AC Mechanics
 - Photographers
 - Machinists
 - Order Clerks
 - Supply Technicians
 - Technical Writers
 - Welders



Welcome To the 2nd Annual

Team Aberdeen Proving Ground

Advanced Planning

Briefing for Industry

“Where Innovation Thrives”

December 2-6, 2013



ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFINGS TO INDUSTRY



US Army Test and Evaluation Command White Sands Missile Range (WSMR)

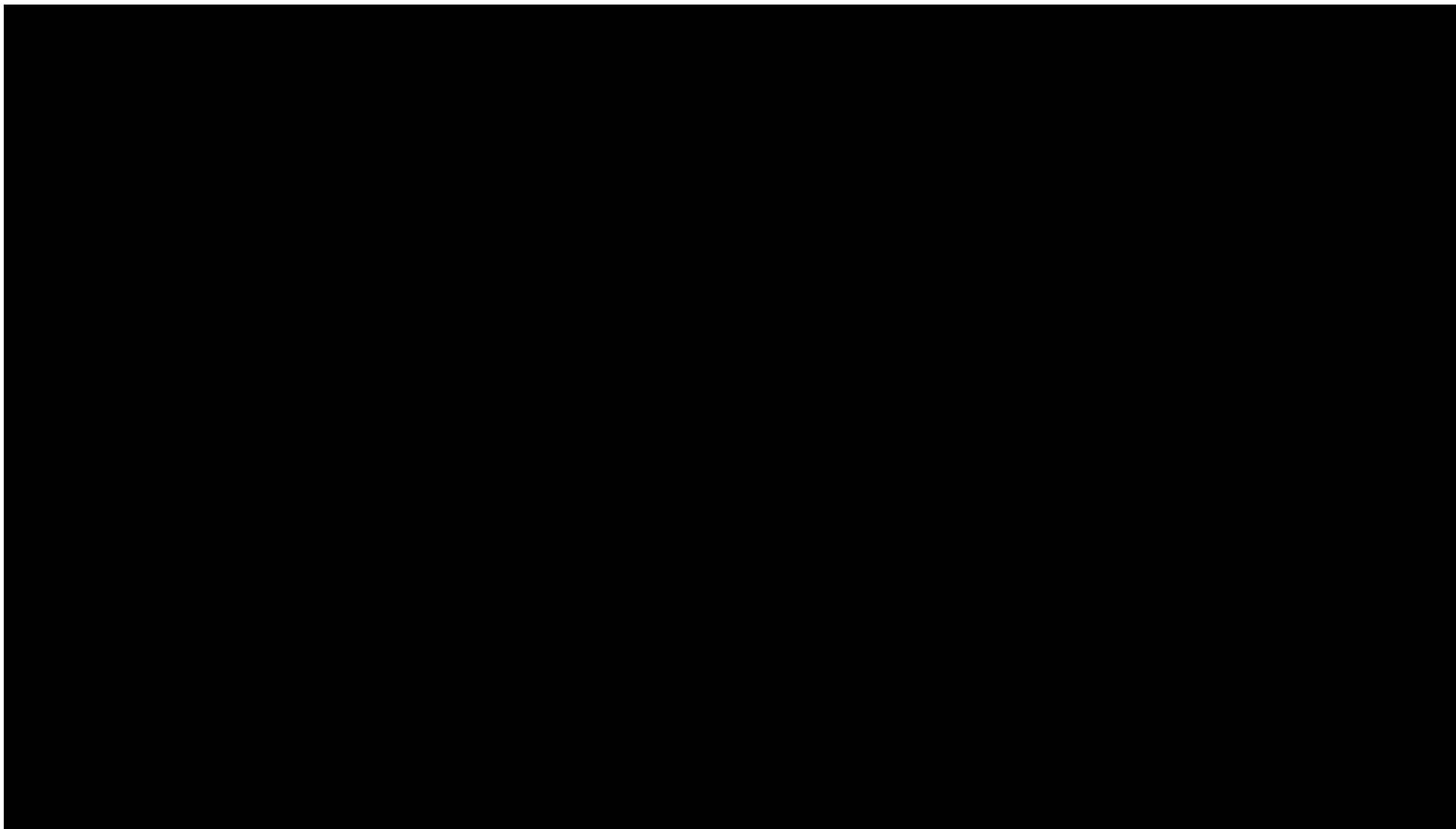


*Mr. William A. Gilbert
White Sands Test Center, Executive Director
4 December 2013*

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



WSMR Video





Program Overview



White Sands Missile Range engineers and scientists perform Services necessary to support the Integrated Test and Experiment Strategy for planning, design, conduct, analysis, and reporting using operational research, system engineering and scientific methods over the Life Cycle for military hardware and software.

To support these services White Sands Test Center provides all the Capabilities necessary to ensure the success of any test brought to White Sands Missile Range. These capabilities are routinely utilized by the Army, Navy Air Force and other authorized customers to support their diverse test requirements.



- Data Collection
 - Nuclear
- Electromagnetic
 - Environmental
 - Flight Safety
- Ammo Handling/Storage
 - Meteorology
- Unexploded Ordinance
- National Environmental Policy Act
 - Sensor Testing
 - Weapons Testing
 - Space
- System of Systems
 - Counter-IED



Opportunities



TITLE: TEST ENGINEERING & ANALYSIS SYSTEMS (TEAS)

CONTRACT TYPE: Firm-Fixed-Price

ESTIMATED VALUE: \$22M/year

ESTIMATED PoP: 5 years

KEY MILESTONES:

- Issue RFP: early Jan 2014
- Forecast Award: June 2014

CONTRACTING CONTACT: WSMR MICC KO, Cynthia M. Uribe

SOLICITATION #: W9124Q-13-R-0011

TYPE OF COMPETITION: Competitive 8 (a)

LOCATION: White Sands Missile Range, NM

CURRENT PRIME CONTRACTOR: ATAMIR LLC



Opportunities (cont'd)



- Objectives: Provides project engineering support, engineering designs, software development, technical studies, concept formulation, systems engineering analysis, strategic planning, systems integration, development, information assurance, acquisition, MS SharePoint support, and verification and validation.

- Types of Skills:

- Engineers (System, Software, Electrical and Mechanical)
- Technicians
- Scientists
- ORSAs
- Data Collectors



Welcome To the 2nd Annual

Team Aberdeen Proving Ground

Advanced Planning

Briefing for Industry

“Where Innovation Thrives”

December 2-6, 2013



ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFINGS TO INDUSTRY



US Army Test and Evaluation Command Yuma Proving Ground (YPG)

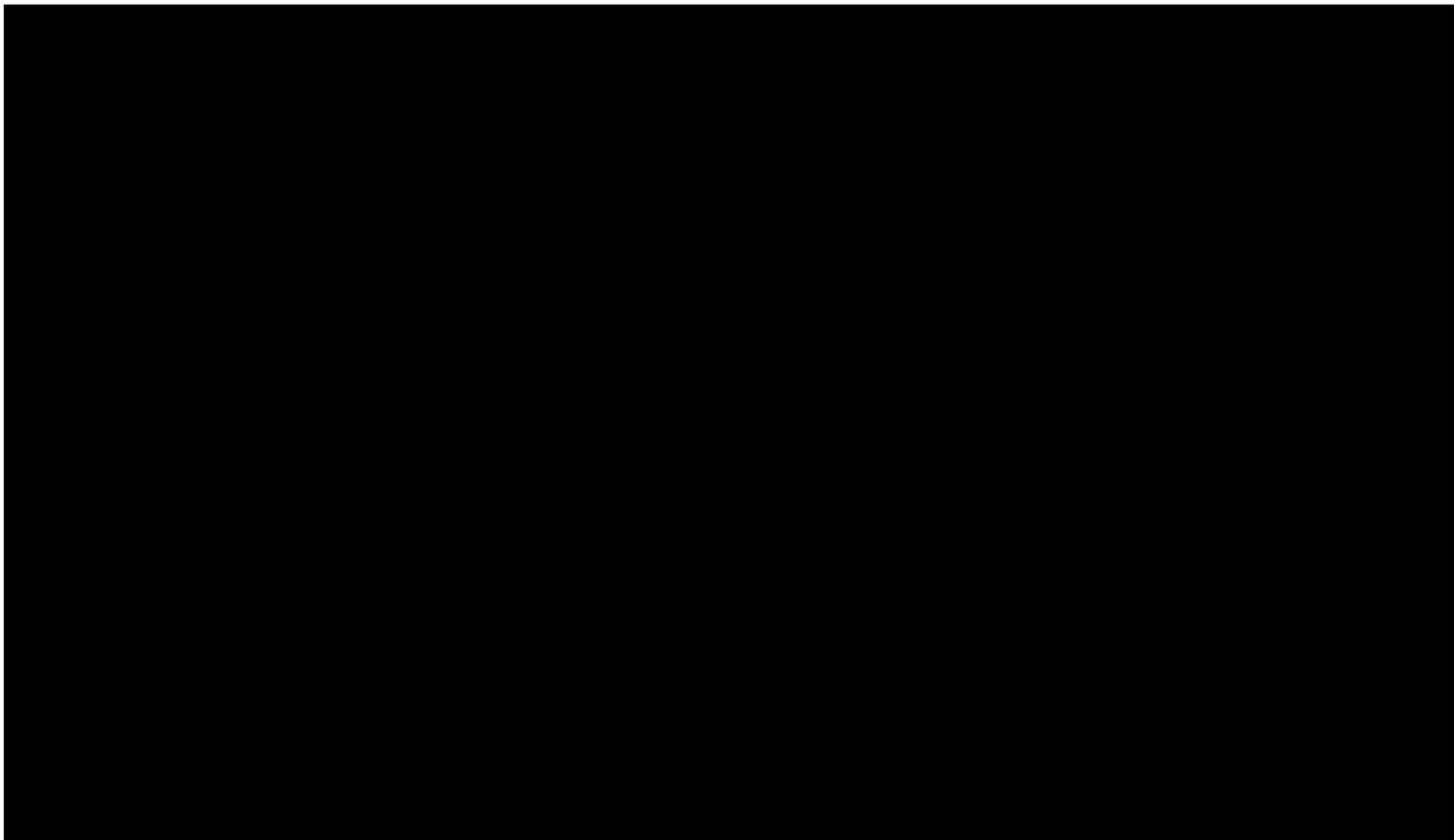


*Julio Dominguez
Technical Director
4 December 2013*

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



YPG Video



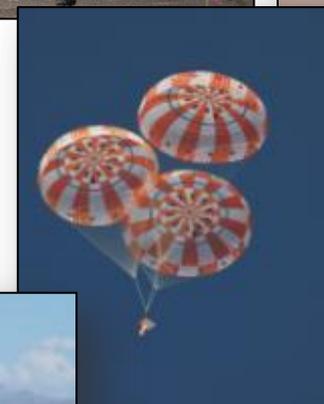


Yuma Test Center Mission



MISSION: To plan and conduct testing on DoD, Foreign, Military, and Commercial materiel, in the desert environment in order to provide timely, accurate, and relevant information to support the Soldier

- **Combat Vehicles and Automotive Systems**
- **Air Delivery Systems/Airdrop**
- **Rotary wing - Aircraft Armaments**
- **Engineering Equipment**
- **Direct-Fire Systems (non missile/rocket)**
- **Improvised Explosive Device (IED)**
- **Indirect-Fire Systems**
- **Unmanned Aircraft Systems**
- **Extreme Natural Environment**
- **Desert Testing**





Cold Regions Test Center Mission



MISSION: To plan and conduct testing on DoD, Foreign, Military and Commercial materiel, in the cold and extreme cold natural environment, in order to provide acquisition decision makers timely, accurate, and relevant information

- Cold Weather Effects
- Individual Soldier Systems
- Armored & Artillery Systems
- Large Caliber Munitions
- Smart Munitions
- Direct-Fire Weapons
- Auto Systems Performance
- Heavy Equipment Transport
- Aircraft Munitions & Weapons
- Sensors/Target Acquisition Systems





U.S. ARMY

Tropic Regions Test Center Mission



MISSION: To plan and conduct tropic environmental development testing on a wide variety of military electronic systems, materials, weapons, and equipment of all conceivable types, sizes, configurations and uses

- Individual Soldier Systems
- Chemical/Biological Protective Systems
- Chemical/Biological Detectors
- Sensors/Target Acquisition Systems
- Mine Countermine
- Automotive Systems
- Communications/Electronics Systems
- Exposure Testing
- Human Factors Engineering





Opportunities



TITLE: Tropic Test Support Services

CONTRACT TYPE: Cost-Plus-Fixed-Fee

ESTIMATED VALUE: \$2M/year

ESTIMATED PoP: 3 years

KEY MILESTONES:

- Issue RFP: Mar 2014
- Forecast Award: Jun 2014

CONTRACTING CONTACT: MICC-YPG KO, Edgar Angulo for follow-on acquisition

SOLICITATION #: TBD

TYPE OF COMPETITION: Unrestricted

LOCATION: Yuma Proving Ground (YPG), AZ

CURRENT PRIME CONTRACTOR: TRAX International



Opportunities (cont'd)



- Objectives: Provides logistical and operational test support services in tropical locations.
- Types of Skills:
 - Engineers (Civil, Materials, Electronics, Communications, Computer Systems)
 - Subject Matter Experts – Jungle
 - Logistics Specialists
 - Physical Scientist Specialists
 - Data Analysts
 - Environmental Specialists
 - Security
 - General Trade Workers



Opportunities



TITLE: Airlift Support Services

CONTRACT TYPE: Firm-Fixed-Price

ESTIMATED VALUE: \$2M/year

ESTIMATED PoP: 3 years

KEY MILESTONES:

- **Issue RFP: Jun 2014**
- **Forecast Award: Sep 2014**

CONTRACTING CONTACT: MICC-YPG KO, Christina Mokrane

SOLICITATION #: TBD

TYPE OF COMPETITION: Unrestricted

LOCATION: Yuma Proving Ground (YPG), AZ

CURRENT PRIME CONTRACTOR: International Air Response, Inc.



Opportunities (cont'd)



- Objectives: Provides Airlift Support Services (Cargo Parachute Systems, Aerial Delivery Platforms, Delivery Techniques, Certification of Equipment for Airdrop)

- Types of Skills:
 - Flight Crew
 - Aircraft /Maintenance Personnel
 - Loadmasters



Opportunities



TITLE: Global Positioning Integration and Navigation System Services

CONTRACT TYPE: Firm-Fixed-Price

ESTIMATED VALUE: \$1.4M/year

ESTIMATED PoP: 3 years

KEY MILESTONES:

- Issue RFP: Jan 2014
- Forecast Award: Mar 2014

CONTRACTING CONTACT: MICC-YPG KO, Colette Carrizales

SOLICITATION #: TBD

TYPE OF COMPETITION: Unrestricted

LOCATION: Yuma Proving Ground (YPG), AZ

CURRENT PRIME CONTRACTOR: Cibola Information Systems, Inc.



Opportunities (cont'd)



- **Objectives:** Provides development, maintenance and enhancement of critical and unique global positioning system equipment in the areas of integration and testing, vehicle tracking system enhancements, special studies and test planning/execution.

- **Types of Skills:**
 - **Engineers**
 - **Engineer Analysts**
 - **Senior Technicians**
 - **Technicians**



Welcome To the 2nd Annual

Team Aberdeen Proving Ground

Advanced Planning

Briefing for Industry

“Where Innovation Thrives”

December 2-6, 2013



ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFINGS TO INDUSTRY



Organizational Conflicts of Interest

*Mr. Bryon Young
Executive Director
U.S. Army Contracting Command – APG
December 4, 2013*



Organizational Conflicts of Interest



Definition: Situation in which activities or relationships with other entities render a contractor unable or potentially unable to provide impartial assistance or advice to the Government, or the objectivity in performing the contract work is or might be otherwise impaired, or the contractor has an unfair competitive advantage

Three types:

1) Unequal Access to Information (Unfair Competitive Advantage)

A contractor, as part of its responsibilities on a Government contract, has access to nonpublic information that could provide the contractor with a competitive advantage in future competitions.

2) Biased Ground Rules

A contractor has worked for the Government to establish rules that could influence a competition in favor of itself. This type of OCI includes preparation of performance or work statements (FAR 9.505-2).

3) Impaired Objectivity

A contractor's work under a Government contract entails either evaluating its own product/service or that of a competitor.



Source Selection Strategy – Multi-Phase Process



- ACC Command Policy Memorandum 13-7 signed 24 Jun 2013
- Evaluation of OCIs at the beginning of the solicitation/evaluation process for all ATEC requirements
- Offerors must detail for themselves, and each planned subcontractor, work performed on Government contracts that would create a potential or actual OCI, and provide a mitigation plan if warranted
- Government Team (KO/SMEs/Counsel) will evaluate information submitted by Contractor
- Will consider information from other sources



Multi-Phase Process (cont)



CPM 13-7 allows two options:

Option 1 – OCI Evaluation occurs during formal proposal evaluation as Phase I “Go/No-Go”. Offeror must pass Phase I in order to proceed to subsequent phases.

If it is determined that an actual or potential OCI exists:

1. Offeror will be notified
2. Response and Mitigation Plan will be accepted and considered
3. If the OCI cannot be mitigated, the offeror will be ineligible for award.

Option 2 – OCI Evaluation occurs prior to solicitation as an advisory multi-step process in accordance with FAR 15.202.



Example 1 - Impaired Objectivity



Description: In early 2009, the Electronic Proving Ground was asked to conduct testing on a tactical radio system. At the time of the request, the contractor performing the testing was a joint venture between the testing company and the company that developed the tactical radio system.

Resolution/Mitigation Plan: Impaired objectivity OCI existed and could not be mitigated. Contractor was not permitted to conduct test on the system.



Example 2 – Personal Conflict of Interest



Description: A source selection was conducted, for which technical evaluators from the requiring activity were asked to sign a Source Selection Participation Agreement and Non-Disclosure Agreement, stating that they did not have a direct, or indirect financial interest, or other beneficial interest, with any of the offerors whose proposals were being evaluated. Four of the evaluators disclosed potential conflicts, including personal and/or business relationships with one or more offerors.

Resolution/Mitigation Plan: Evaluators with conflicts of interest were replaced by other evaluators without conflicts of interest, prior to any reviewing or evaluating of proposals.



Example 3 – Unequal Access to Information



Description: Draft copies of a performance work statement and acquisition plan for a planned acquisition were submitted to a requiring activity's support contractor employee for review. The support contractor company also intended to propose on this requirement. The reviewed documents included sensitive information such as the proposed funding breakdown, Independent Government Cost Estimate (IGCE), competitive strategies, and the proposed timeline/milestones to award.

Resolution/Mitigation Plan: A Non-Disclosure Agreement (NDA) was signed by the contractor employee, binding the employee to retain any classified or procurement sensitive information viewed or received while on assignment with the US Army.

** NDAs are not always sufficient to mitigate or cure an OCI related to unequal access to information – each OCI must be evaluated on a case-by-case basis.*



Example 4 – Unequal Access to Information



Description: ITEC4-W support contractor wanted to be able to submit proposals on requirements for customers of ITEC4-W. Contractor provided support functions to include automation support, general office administration, support for advanced acquisition planning, contract closeout assistance, and file maintenance. Contractor had access to proprietary and trade secret information held by ITEC4-W.

Resolution/Mitigation Plan: OCI could not be mitigated. Both a potential and actual conflict of interest existed in that the contractor had continuous, unfettered access to the data in files, including proprietary and source selection information. The appearance of impropriety was too great to overcome. Contractor was excluded from existing and future procurements processed by ITEC4-W.



QUESTIONS?



Welcome To the 2nd Annual

**Team Aberdeen Proving Ground
Advanced Planning
Briefing for Industry**

“Where Innovation Thrives”

December 4, 2013



ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFINGS TO INDUSTRY

U.S. Army Research, Development and Engineering Command



Edgewood Chemical Biological Center
(ECBC)

Ms. Suzanne Milchling
Director of Program Integration, ECBC
4 Dec 2013

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



Core Competency, Mission & Vision

CORE COMPETENCY

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

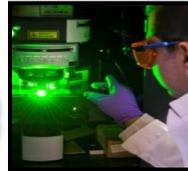
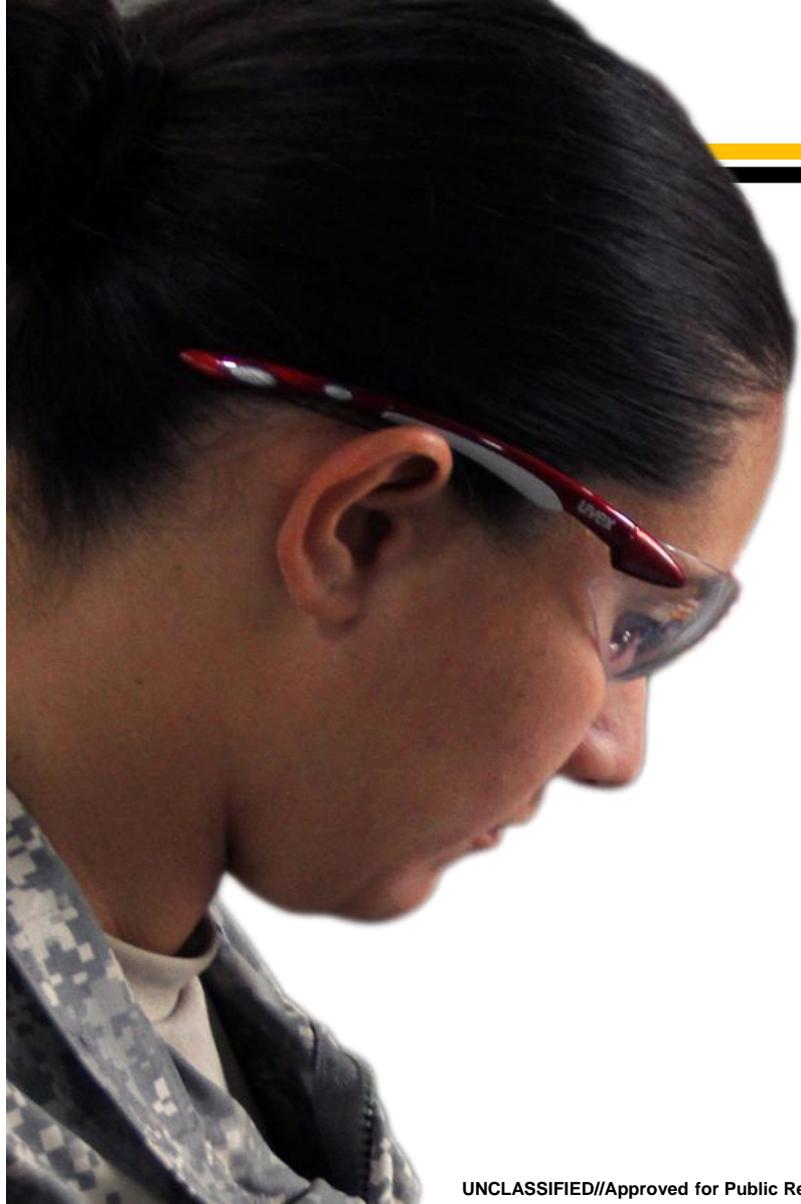
MISSION

Integrate lifecycle science, engineering and operations solutions to counter CBRNE threats to U.S. forces and the Nation

VISION

To be the premier resource for chemical, biological, radiological, nuclear and explosives solutions, uniting and informing the national defense community.

Overview - 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**



Where ECBC Fits



Team CBRNE



ARMY MEDICINE
Bringing Value...Inspiring Trust

Surgeon General



Medical Research and Materiel Command (MRMC)



Medical Research Institute of Chemical Defense (MRICD)

Medical Research Institute of Infectious Diseases (MRIID)



Army Materiel Command (AMC)



Chemical Material Activity



U.S. Army Research, Development & Engineering Command (RDECOM)



Edgewood Chemical Biological Center (ECBC)



Assistant Secretary of the Army for Acquisition, Logistics and Technology ASA(ALT)



Joint Program Executive Office for Chemical & Biological Defense (JPEO-CBD)



Program Executive Office Assembled Chemical Weapons Alternative (PEO-ACWA)



Training and Doctrine Command (TRADOC)



U.S. Army CBRN School



Forces Command (FORSCOM)



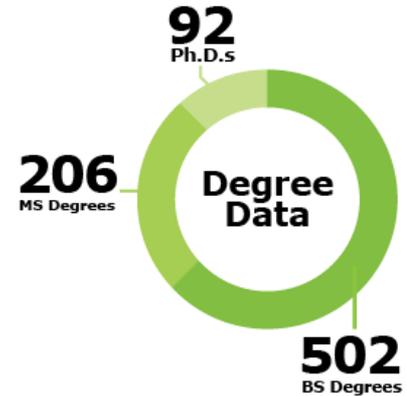
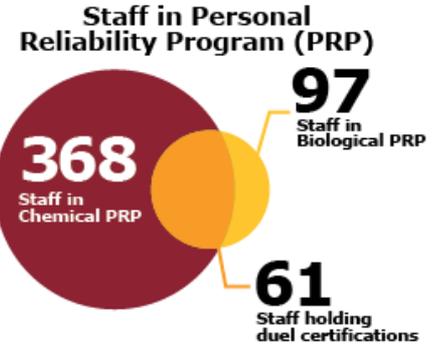
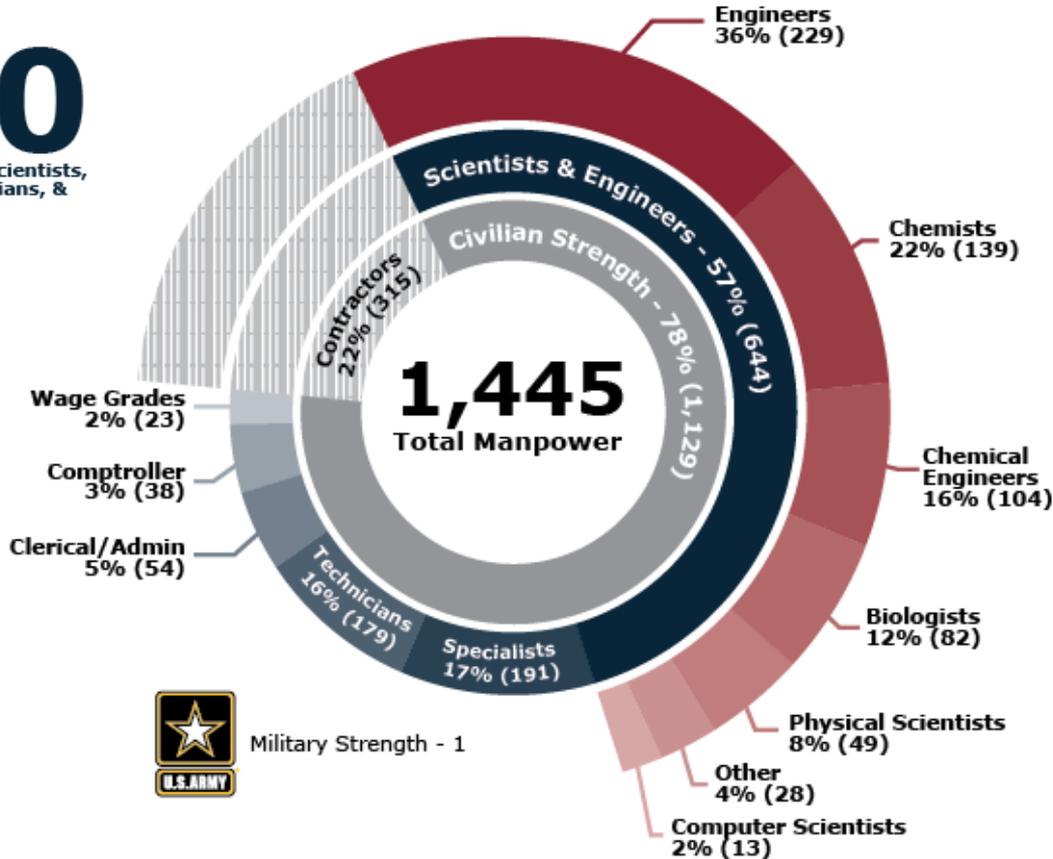
20th CBRNE Command



Overview - ECBC Specialized Workforce

250

Field-deployable scientists,
engineers, technicians, &
operators



Military Strength - 1

*as of 4Q FY13



Overview - ECBC Unique Facilities

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.



Bio Engineering Laboratory



Forensic Analytical Center

Engineering & Test Facilities



Toxic Test Chambers



Aerosol Test Facilities



Berger Engineering Complex

One-of-a-Kind Facilities



Standoff Detection Technology Evaluation Facility



Sample Receipt Facility



Emerging Threat Chamber

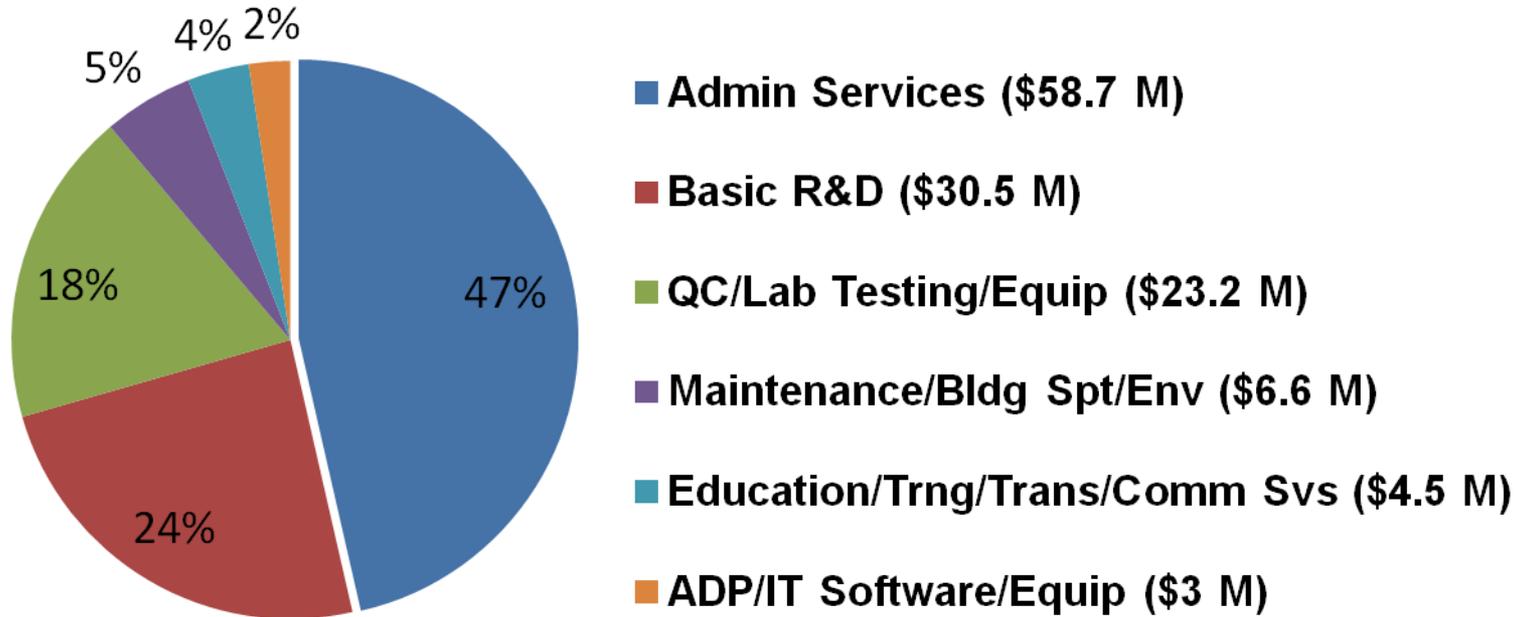


Single Small-Scale Facility



Contracts Awarded in FY 13

FY 13 Awards in \$M

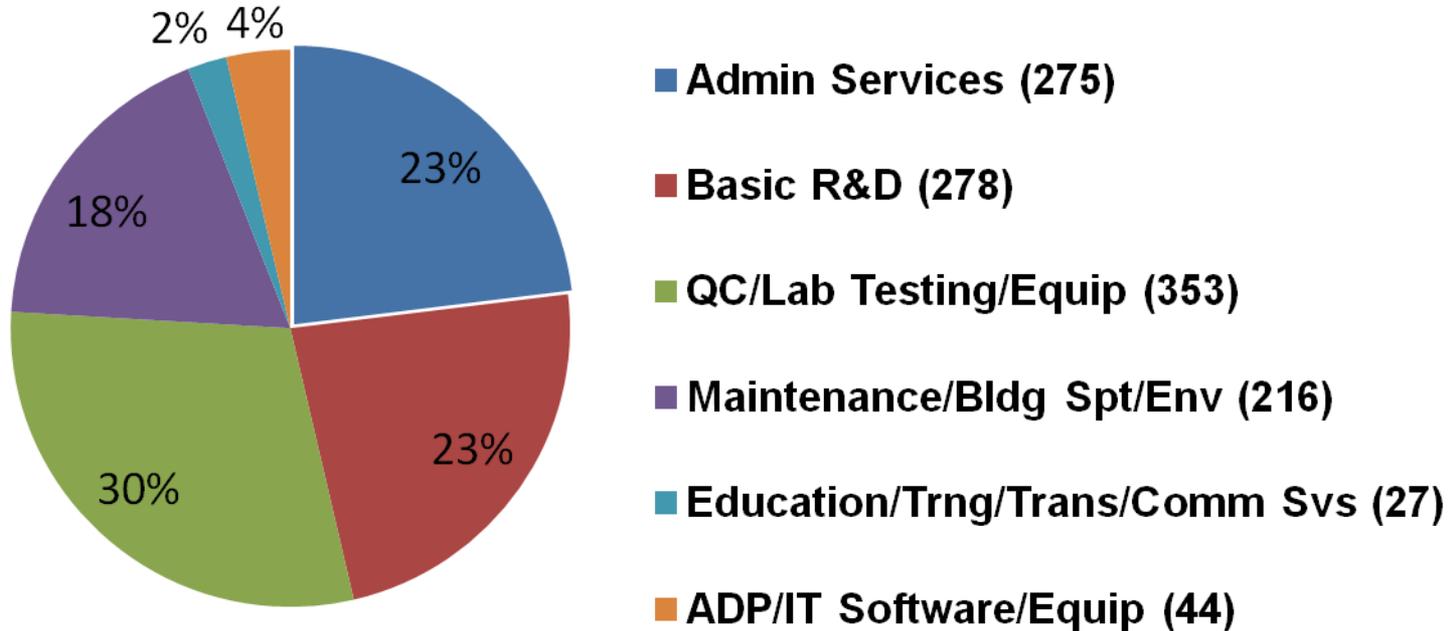


Total = \$126.5 M



Contracts Awarded in FY 13

FY 13 Awards Based Upon Total Number of Awards



Total = 1193 awards



Existing Contracting Opportunities

Always check **FedBizOpps.gov** website

The CBRNE Mission Support Contract (MSC)

- Indefinite Delivery, Indefinite Quantity (IDIQ) vehicle
- Covers a majority of ECBC's mission requirements
- Modifications to basic contracts being issued to clarify remaining ordering period and Period of Performance (POP)
- Unrestricted POP is 28 Jan 2015; Small Business POP is 29 Mar 2015

Small Business Awardees

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

Unrestricted Awardees

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



Existing Contracting Opportunities

The Chemical Biological Application and Risk Reduction (CBARR) MSC

- IDIQ vehicle
- Covers many of ECBC's operational requirements
- Current Awardee: SM Resources Corporation
- POP through 27 Feb 2015

Facility and Logistics contract

- Firm-Fixed-Price (FFP) contract
- Operation and maintenance of ECBC's facilities
- Current Awardee: TK Services Incorporated
- POP through 12 May 2016



Broad Agency Announcement (BAA)

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 through the receipt of concept papers as described in section 5 of the BAA. ECBC competitively solicits project offers in the Technical Topic areas set forth in section 7 of the BAA, which include:

- **Aerosol technology**
- **Decontamination**
- **Biological detection**
- **Early warning and detection**
- **Biotechnology**
- **Flame and incendiary technology**
- **Chemical detection**
- **Modeling, simulation & analysis**
- **Collective protection**
- **Respiratory protection**
- **Counterterrorism**
- **Smoke/obscurant munitions**

The BAA is revised approximately every year. It 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 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



SBIRs and STTRs

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 inception. 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/>



Opportunities

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.



Upcoming Contracting Opportunities

AB SCIEX Maintenance Service Agreement

Contract Type: Maintenance agreement

Est. Value: Less than \$650,000

Key Milestones:

- Issue RFP: 2nd Qtr FY14
- Forecast Award: 4th Qtr FY14

Contracting Contact: TBD

Solicitation #: TBD

Description:

This is for service maintenance of 4 analytical platforms. The platforms are Triple Quad Mass Spectrometry units, built by AB SCIEX.



Upcoming Contracting Opportunities Cont.

Mission Support to the Decontamination Sciences Branch

Contract Type:

TBD: BAA, CBRNE MSA, or other contract mechanism

Est. Value: Less than \$10M ceiling

Key Milestones:

- Issue RFP: 4th Qtr FY14
- Forecast Award: 1st Qtr FY15

Contracting Contact: TBD

Solicitation #: TBD

Description:

To obtain **technical, analytical and logistical support** for the numerous **decontamination efficacy studies** underway within the Decontamination Sciences Branch of ECBC. Decontamination technologies under study at ECBC are evaluated to determine the degree in which chemical warfare agents or other toxic chemicals can be degraded. A variety of analytical and mathematical techniques are required to assess the efficacy of the technologies in destroying the agents, to determine residual hazards from agent vapors and/or residual contaminated surfaces, and to characterize the degradation products of the decontaminated agents.

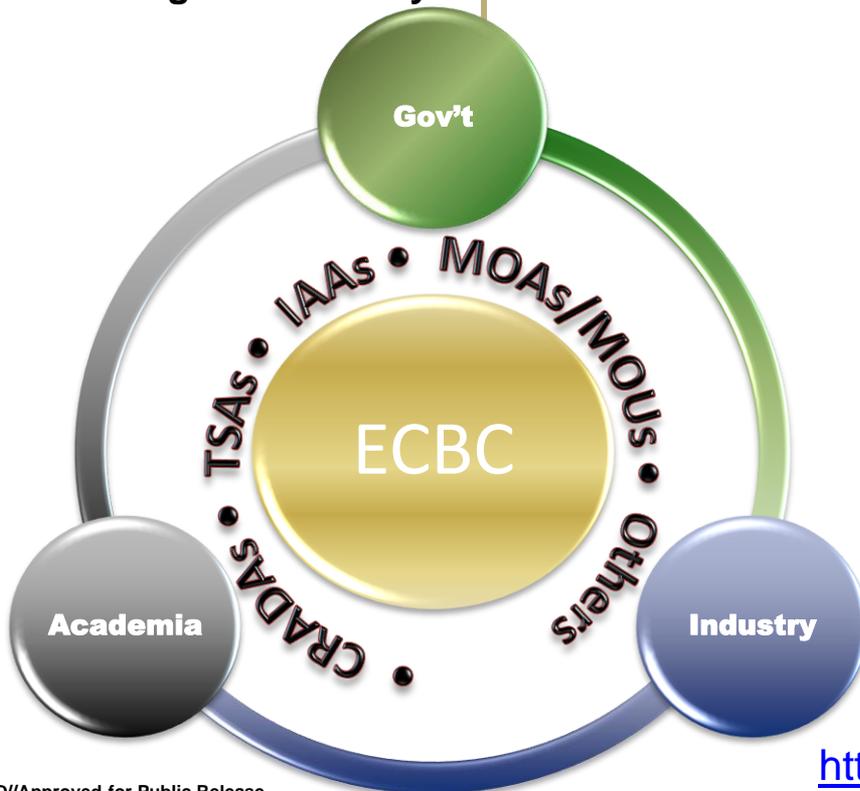


Technology Transfer at ECBC

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

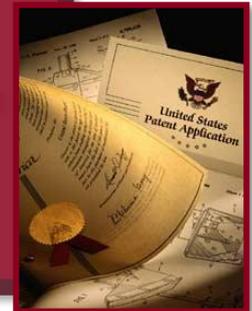
Allows R&D collaborations, product development and testing with industry and academia

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>



Flexible T2 Agreement Formation

ECBC Strives to Remain Flexible in Forming Innovative T2 Partnerships

Allied Minds Federal Innovations CRADA

- To form public-private partnership with private equity firm to accelerate commercialization of select government inventions
- Responsive to the **2011 Presidential Memorandum on Accelerating Technology Transfer and Commercialization of Federal Research in Support of High-Growth Businesses**

University of Maryland, Baltimore (UMB) Educational Partnership Agreement (EPA)

- To create a cooperative research internship program where UMB graduate students assist with ECBC research projects while earning academic credit



T2 Success with Small Business

10 National Awards for *Excellence in Technology Transfer* from the Federal Laboratory Consortium (FLC)

CBRN Unmanned Ground Vehicle (CUGV)

- CRADA with iRobot



Tactical-Biological Detector (TAC-BIO)

- Licensed to Research International, Inc. and ChemRing



Biological Sampling Kit (BiSKit)

- Licensed to QuickSilver Analytics





Patent License 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

- **BIOPLEGG™ Method for Simultaneously Detecting Multiple Biological Threat Agents** (US PAT. 8,367,327) and **Multiplex Field Device to Detect and Identify a Variety of Microbial Agents Simultaneously** (US Pat. 7,851,207)
- **Aerosol Inlet Flow Modulator**
(US Pat. 8,281,809)
- **Water Sampling Device and Method for Use with a Radiation Probe**
(US Pat. 8,342,337)
- **Mobile Power Distribution System**
(US Pat. 8,427,814)
- **Colorimetric Reconnaissance Explosives Squad Screening (CRESS) Kit**
(information to be posted on FedBizOpps.gov) (Patent Pending)

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

Technology Driven
Warfighter Focused

ECBC
EDGEWOOD CHEMICAL BIOLOGICAL CENTER

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





Welcome To the 2nd Annual

**Team Aberdeen Proving Ground
Advanced Planning
Briefing for Industry**

“Where Innovation Thrives”

December 4, 2013



ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFINGS TO INDUSTRY

Army Research Laboratory (ARL)

*Mary Cantrill
Chief, Program and Budget Office
04 December 2013*

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.



Roadmap

- **ARL Mission Focus**
- **Types of Contract Mechanisms**
- **Example Opportunities**
- **Acquisition POCs**

U.S. Army Research Laboratory



Mission

Innovative science, technology, and analyses to enable full spectrum operations.

Vision

America's Laboratory for the Army: Many Minds, Many Capabilities, Single Focus on the Soldier

DISCOVER > INNOVATE > TRANSITION

Making today's Army and the next Army obsolete



Army S&T Enterprise

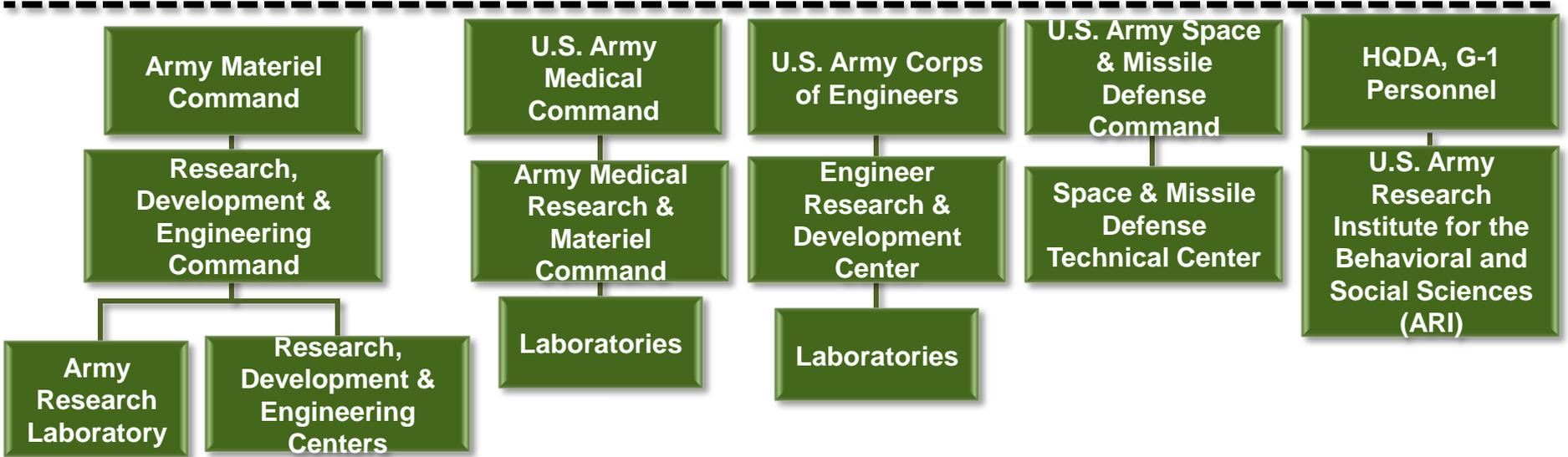
Secretary of the Army
Honorable John M. McHugh

Under Secretary of the Army
Honorable Joseph W. Westphal

**Assistant to the Secretary of the Army for
Acquisition, Logistics, and Technology**
Honorable Heidi Shyu

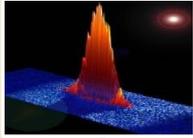
**Army Chief
Scientist**

**Deputy Assistant Secretary of the Army
(Research & Technology)**
Ms. Mary Miller





ARL Mission Focus



New State of Matter for Revolutionary Sensors and Detectors



Tilt Rotor



Hot Stage Micrograph

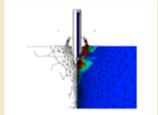
DEMNs – Insensitive Munitions



Ballistic Survivability



IED Countermeasures



Multiscale Computation for Impact Dynamics



FIDO for Explosives Detection



ANS Robotics LADAR



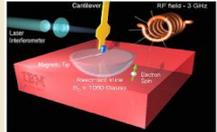
EPS



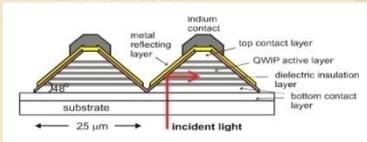
Language Translation



Persistent Surveillance



Single Electron Spin MRFM



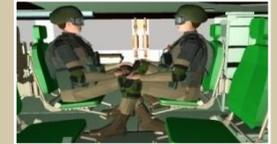
C-QWIP FPAs



Flexible Displays



Advanced RF



Human-Figure Workspace Modeling for MRAP

Basic Science

Evolving Technologies

Current Ops

Technology Maturity



UNCLASSIFIED

Strategic Drivers

DoD Guidance and Priorities

Army Guidance and Priorities

The National Military Strategy of the United States of America

2014
Continuity of Military Leadership

SUSTAINING U.S. GLOBAL LEADERSHIP: PRIORITIES FOR 21ST CENTURY DEFENSE

QUADRENNIAL DEFENSE REVIEW REPORT

FEBRUARY 2010

JANUARY 2012

QDR

National Defense Strategy

June 2008

Army Strategic Planning Guidance

2013

The United States Army Operating Concept

2010 Army Science & Technology Master Plan

Science & Technology for the Soldier

Army S&T Strategy

- Understand Army current and future capability needs
- Selectively invest to develop / adapt and mature technologies for Army unique needs
- Collaborate with and leverage other Services, agencies, international partners and the private sector
- Partner with PEO/PMs and rapid acquisition agents to facilitate technology transition
- Inform and provide technology readiness guidance to acquisition programs in synchronization with ARFORGEN
- Sustain a vital in-house workforce and laboratory infrastructure
- Communicate the vision and strategy to decision-makers, stakeholders, and our partners

Army Top Challenges

- Greater **force protection (Soldier, vehicle, base)** to ensure survivability across all operations.
- Ease **overburdened** Soldiers in Small Units.
- Timely **mission command & tactical intelligence** to provide situation awareness and communications in all environments
- Reduce logistic burden of **storing, transporting, distributing and retrograde** of materials
- Create **operational overmatch** (enhanced lethality and accuracy)
- Achieve operational **maneuverability** in all environments and at **high operational tempo**.
- Enable ability to **operate in CBNRE environment**
- Improve **early detection of traumatic brain injury (TBI)**
- Improve **operational energy**
- Improve **individual & team training**
- **Reduce lifecycle cost** of future Army capabilities

The 2013-2014 Army Test and Evaluation Enterprise Strategy



Strategic Research Initiatives

Technology Planning Agreements

Collaborations and Partnerships





UNCLASSIFIED

U.S. Army Research Laboratory



6 Collaborative
Technology/
Research
Alliances

International
Technology
Alliance

19 DEA/IEA
5 PA/MOU
12 TTCP
7 NATO
4 ESEP

Direct Contact w/ thousands of Private Sector S&Es

77 Phase I SBIR
23 Phase II SBIR
11 Phase IIE SBIR
60 CRADAs
10 TSAs

1,169
Single Inv Grants
57 MURI
3 UARCs
3 COEs

279
Academic Partners
In 50 States + DC

1896 Civilians
33 Military

UNCLASSIFIED

UNCLASSIFIED



Opportunities

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.



ARL Contracting Opportunities

- **Principal Interests:** Research and technology development efforts providing scientific and technological innovation in: lethality, survivability enhancement, assessment, sensors, signatures and signal processing power resources, materials and structures, battlefield environmental effects, human factors, advanced computing, and advanced electronics.
- **Contracting Officers** are required to post solicitations and public notices regarding acquisitions to the fedbizopps and ASFI websites. It is highly recommended to monitor the following two sites to ensure that your business becomes aware of opportunities as early as possible:
 - <https://www.fbo.gov/>
 - <https://acquisition.army.mil/asfi/>



Opportunities

Army Research Laboratory Broad Agency Announcements www.arl.army.mil

- **W911NF-13-R-0006-Defense Forensics and Biometrics Agency**
- **W911NF-12-R-0011-02-ARL Core Broad Agency Announcement for Basic and Applied Sciences Research for FY2012-FY2017**
- **W911NF-12-R-0012-02-Army Research Office Core Broad Agency Announcement for Basic and Applied Sciences Research for FY2012 through FY2017**



Opportunities

**TITLE: Non-Personal Advisory & Assistance (A&AS)
Professional Scientific and Engineering Services**

**CONTRACT TYPE: Systems Engineering & Technical
Assistance (SETA)**

ESTIMATED VALUE: \$4M

KEY MILESTONES:

- **Forecast Award: Mar 2014**

CONTRACTING CONTACT: Vonetta Goodson

SOLICITATION #: W911NF-13-R-005



Opportunities

TITLE: Scientific Services Program (SSP)

DESCRIPTION: Accelerated contract mechanism that enables all federal government organizations to obtain specialized scientific/technical services required to accomplish organizational goals and mission objectives related to research and development.

CONTRACT TYPE: IDIQ (Cost plus Fixed Fee/Small Business Set Aside)

ESTIMATED VALUE: TBD

KEY MILESTONES:

- **Forecast Award: Dec 2014**

CONTRACTING CONTACT: Lanelle Shands

SOLICITATION #: TBD



Acquisition Points of Contact

Primary Point of Contact (POC) for the Army Contracting Command-Aberdeen Proving Ground – (ACC-APG) Adelphi Division

- Mr. Lee Hess, Chief Adelphi Contracting Division,
301-394-4593; email: lee.a.hess@us.army.mil
- Ms. Christi Winkler, Associate Division Chief,
301-394-3385; email: christi.winkler@us.army.mil
- Mr. David Christ, Army Research Office, Small Business Programs
919-549-4278, email: david.o.christ.civ@mail.mil
- Ms. Joyce McDonald, Small Business Specialist
301-394-3692; email: joyce.mcdonald@us.army.mil



America's Laboratory for the Army



***Working with the APG Community to
Transition Technologies to Soldiers***



Welcome To the 2nd Annual

**Team Aberdeen Proving Ground
Advanced Planning
Briefing for Industry**

**“Where Innovation Thrives”
December 4, 2013**

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.



ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFINGS TO INDUSTRY

Communications-Electronics Research, Development , and Engineering Center



***Presenter: Bob Zanzalari
Title: Associate Director
Date: 4 December 2013***



Opportunities

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.



CERDEC Strategic Perspective

- **Shift Science And Technology Efforts To Mitigate New And Emerging Threats As We Emphasize Toward The Asia-Pacific Regions**
- **Increase Focus On Architecture And Initial Prototyping Of Capabilities**
 - **Reduce The Number Of Courses of Actions Addressed In Analysis Of Alternatives Thereby Reducing Uncertainty In Development (Better Buying 2.0 Initiatives)**
- **Support Modernization By Bringing New Or Extended Capabilities To Existing Systems Through The Application Of Enabling Science & Technology Products**
 - **117 C4ISR Systems Transitioning From Acquisition To Sustainment Over The FY13-18 POM**
- **Continue To Research And Develop Technology As Acquisition Takes A Pause So That We Are Prepared To Field Capability When The Call Comes**

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



Technology Thrusts Emphasis (FY14)

Degraded Visual Environment (Air and Ground)	
Sensor Fusion (Air)	
Integrated Sensor Architectures – Sensor (CE)	
Sensor Protection	
Low Cost Multifunction Sensors and Head Mounted Displays	
Soldier Sensor Systems	
Next Generation Counter-IED/Countermines Technology	
Model Based Design and High Fidelity EO/IR Modeling and Simulation	

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



Technology Thrusts Emphasis (FY14)

Position, Navigation, and Timing (PNT)	
Ground Based Radar	
Cyber (Offensive, Defensive, Situational Awareness)	
RF Interoperability (RF Convergence)	
Intelligence, Surveillance, and Reconnaissance	
Processing, Exploitation, and Dissemination	
Tactical Mobile Networking	
Protected SATCOM	

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



CERDEC On-Going Source Selections

- **Technical Administrative And Operation Support (TAOSS) and Technical Information Engineering Services (TIES) Are Currently In Source Selection**
- **Contract Types: Multiple Award Task Order (MATO) Featuring Individual Competed Task Orders Of Varying Types To Include Cost Plus Fixed Fee (CPFF), Firm Fixed Price (FFP) And Limited Use Of Time And Material (T&M)**
- **Anticipated Award Dates:**
 - **TAOSS: 1QFY14**
 - **TIES: 2QFY14**

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



Command, Power, and Integration (CP&ID)



CP&I Strategic Opportunities

- **Mission Command (MC) – Vertical Integration & Commander-centric Solutions**
 - **Current Army MC Investments Have Focused On Enabling Staff Functions And Optimizing MC Within Computing Environments (E.G. Dismount, Mounted, And CP). Strategic Opportunities Focus On The Desired Future Solutions Of Vertical MC Integration (One Solution Across Environments) And Commander-centric Solutions In Developing The Commanders Virtual Staff**

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



CP&I Strategic Opportunities

- **Positioning, Navigation & Timing (PNT)**
 - **Assured PNT Is A Top Priority With DoD And The Army. Strategic Opportunities Focus On The Area Of Mounted PNT, Dismounted PNT, And Pseudolite Navigation. Supporting Work In Miniature Internal Sensors, Vision Navigation Sensors, And RF Ranging For Soldier Navigation Are Also Of Interest**

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



CP&I Strategic Opportunities

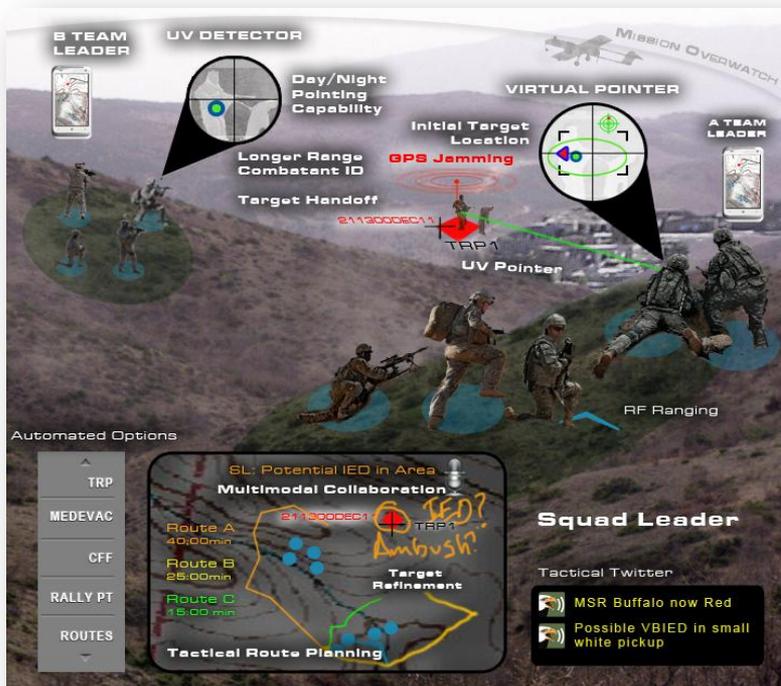
- **Energy Informed Operations**

- **Energy Demands On The Battlefield Have Been Continuously Increasing As Greater Tactical Capabilities Are Being Deployed. Increase Demand For Power Continues To Outpace Advances In Supply Technologies. Strategic Opportunities Focus On Advances In Creating More Efficient And Energy Dense Power Sources While Shifting and Increasing Emphasis Into Addressing The Demand; E.G. Energy Informed Operations, Power Management, And Energy Effective C4ISR Equipment Design**

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



Mission Command TECD



Purpose: Reduce Tactical Surprise And Achieve Overmatch At The Squad Level By Providing Tools That Enable Mission Command (MC) On The Move And Allow Tactical Leaders To Synchronize Action, Seize The Initiative And Maintain Situational Awareness

Results/Products:

- **Proactive Decision Support And Collaboration**
- **Increased Situational Awareness and Understanding**
- **Faster and More Accurate Target ID and Handoff**

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



MC TECD Opportunities

**Title: Mission Command Technology Enabled Capability Demonstration (MC TECD)
Command Power & Integration (CP&I) Directorate**

Contract Type: Cost Plus Fixed Fee

Estimated Value: \$20M (FY14 - FY15)

Key Milestones:

- Whitepapers: 2QFY14 (Round 1)
- Proposals: 3QFY14 (Round 1)
- Forecast Award Date: 3QFY14 (Round 1)

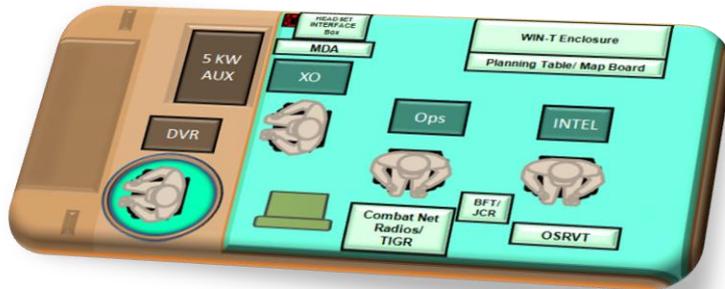
Contracting Contact: John Dusich, 443-861-5079

**BAA Solicitation #: W15P7T-12-R-A216 (Command And Control Applications For The
Decisive Edge Command, Power & Integration (CP&I) Directorate)**

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



Mission Command Vehicle



MCV

Purpose: Eliminating An Army Mobile Mission Command (MC) Limitation By Designing And Integrating A MC Mission Equipment Package (MEP) To Address A C4ISR/MC Gap For Mobile MC In The Armored Formation

Results/Products:

- Address A MC Gap Initially Identified In The ABCT. Evaluate In FY15 Experiment
- Establish A Common Army MC MEP Foundation For Future Vehicle Variants and Emerging C4ISR Systems



1 Mission Command Platform

1 Mission Command Platform



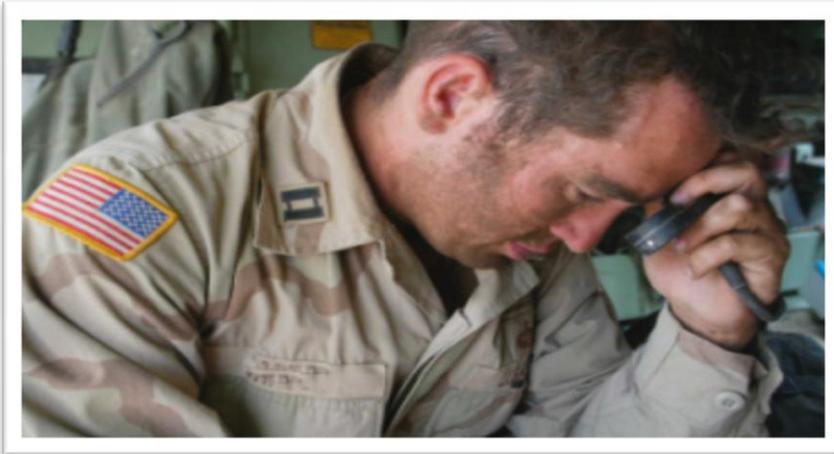
Purpose: To Identify A Platform That Provides A Unifying Mission Command Experience From Dismounted To Mounted To Command Post

Results/Products:

- Range Of Feasible COAs Leveraging Leap Ahead Technologies To Unify MC Solutions Across All Methods Of Employment
- Prototype Reference Implementation That Supports Integration Of Commander-centric Applications And Decision Tools Into The Mission Command Vehicle



Information to Decisions

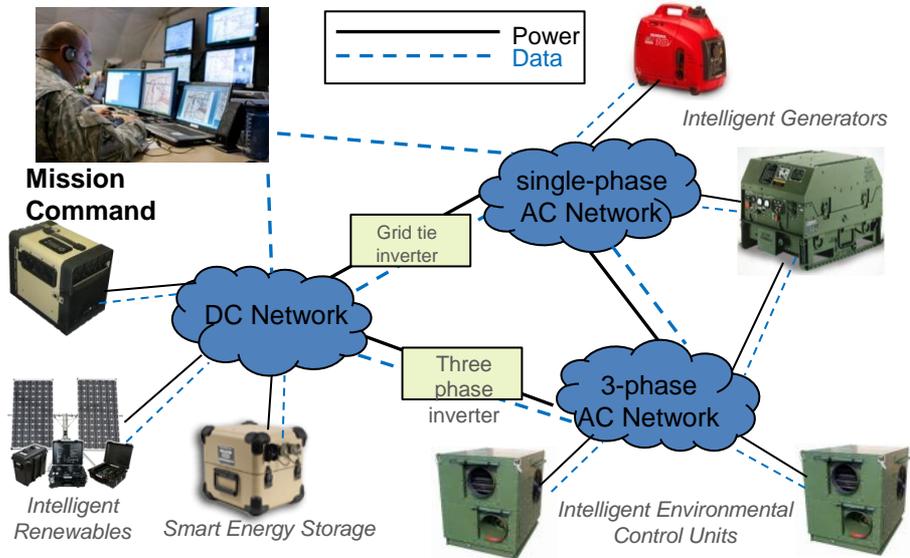


Purpose: Identify Mission Primary And Mission Secondary Information Needed By The Warfighter To Maximize Effectiveness During Execution

Results/Products: A System Agnostic, Scenario Driven, And Role Specific Base Of Knowledge Captured In An Interactive Information Framework.



Energy Informed Operations



Purpose: Develop, Implement, And Support An Intelligent Power System Interface Standard And Associated Applications To Allow Optimization Of Power And Energy Resources Based On Mission Objectives

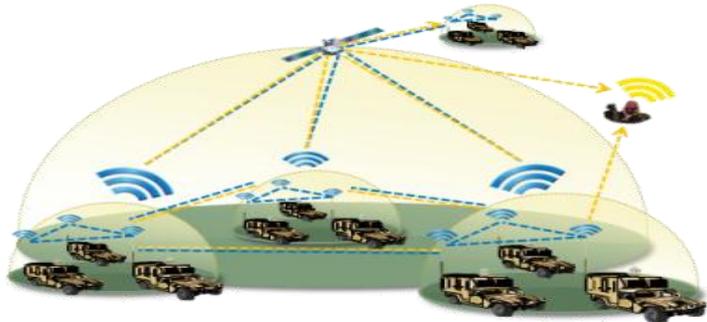
Results/Products:

- Standards For Intelligent Power System Interfaces
- Mission Command Applications For Awareness And Control Of Power Resources
- Intelligent Power Network Demonstration Prototypes

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



Mounted PNT Navigation System



Purpose: Mature A Scalable, Single Common Navigation Solution To Mounted Platforms (Reducing Redundant Navigation Sensors And Providing Capability In The Absence Of GPS) To Support Transition To An Acquisition Program Entering Milestone B In FY16

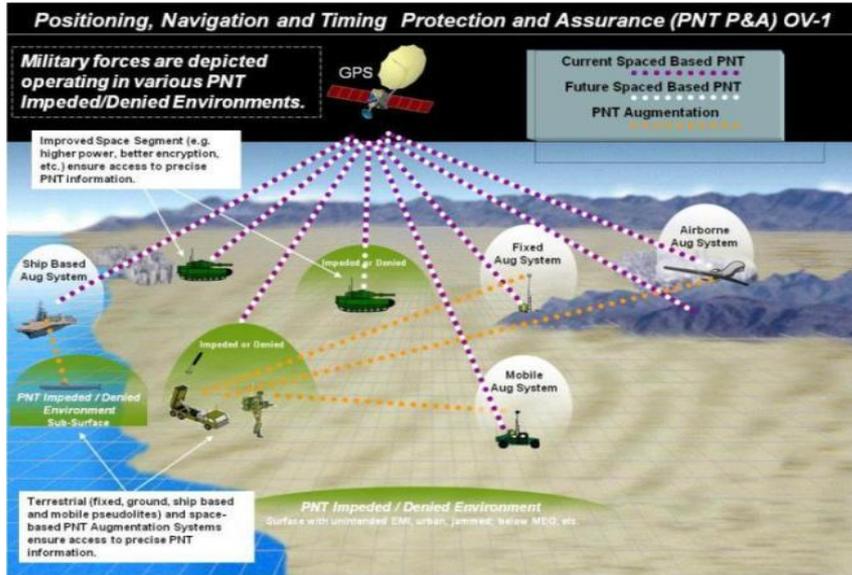
Results/Products:

— Selective Availability Anti-spoofing Module (SAASM) GPS Receiver With Augmenting Sensors Such As: CSAC, Inertial And Optical Sensors, RF Ranging For Host Vehicle And Resident PNT User Systems (Weapons, Communications, Intel, Etc.)

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



Pseudolite Navigation



Purpose: Mature Pseudolite (PL) Technologies In Preparation To Transition Pseudolite Systems To PEO For Milestone B Acquisition

Results/Products:

- Pseudolite Systems Capable For Use On Airborne And Terrestrial Platforms That Allow Operations In GPS Denied Environments**
- Updated Military GPS Receivers That Accept Signals From PL Assets**

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



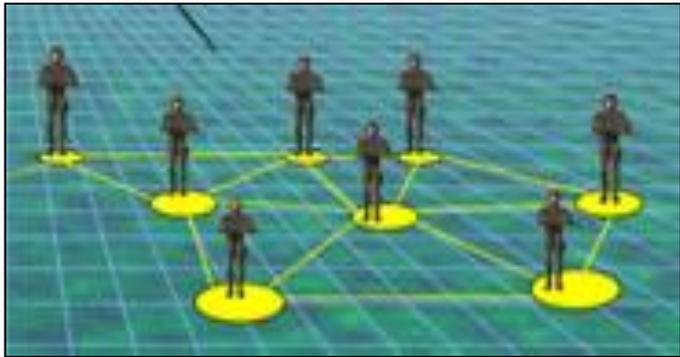
Dismounted PNT Navigation Platform



Purpose: To Develop And Demonstrate A Dismounted Soldier Navigation Test And Evaluation Platform Capable Of Supporting A Variety Of Navigation Sensors Suitable For Dismounted Navigation Applications

Results/Products:

- Standalone Wearable Navigation System Prototype
- Integrated Selective Availability Anti-spoofing Module (SAASM) GPS Receiver With Augmenting Navigation Sensors For A Robust Solution



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



CP&ID Opportunities

Title: Mobile and Renewable Power

Contract Type: Time and Material

Estimated Value: \$50M

Key Milestones:

- **Issue RFP: 1QFY14**
- **Forecast Award: 2QFY14**

Contracting Contact: GSA Contracting Officer, Carol Conaway 817-978-7423

Solicitation #: TBD

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



CP&ID Opportunities

Title: Engineering, Software Architecture, Systems Engineering, Business Operations Support To Command, Power And Integration (CP&I) Directorate

Contract Type: Cost Plus Fixed Fee, Firm Fixed Price, Time and Material

Estimated Value: \$28M-\$40M

Key Milestones:

- **Issue RFP: TBD**
- **Forecast Award: TBD**

Contracting Contact: John Dusich, 443-861-5079

Solicitation #: TBD

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



CP&ID Opportunities

Title: Common Operating Environment (COE)

Contract Type: Time and Material

Estimated Value: \$11M

Key Milestones:

- **Issue RFP: 1QFY14**
- **Forecast Award: 2QFY14**

Contracting Contact: GSA Contracting Officer, Carol Conaway 817-978-7423

Solicitation #: TBD

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



Active CP&ID BAAs

- **Title: Intelligent Power Management and Distribution System**
Solicitation #: W15P7T-09-R-S304, Close Date: 3/21/2014 (MC)

- **Title: Technical, Programmatic and Engineering Support For the Adaptation of Emerging Power Source Technologies to Military Applications**
Solicitation #: W15P7T-09-R-S301, Close Date: 5/31/2014 (Power)

- **Title: Advanced Soldier Portable Power Technologies**
Solicitation #: W15P7T-11-R-A609, Close Date: 11/03/2014 (Power)

- **Title: Miniaturized Atomic Time and Frequency**
Solicitation#: W15P7T-09-R-S631, Close Date: 12/11/2014 (PNT)

- **Title: Command and Control Applications for the Decisive Edge**
Solicitation#: W15P7T-12-R-A216, Close Date : 7/22/2017 (MC & PNT)

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



Intelligence and Information Warfare (I2WD)

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.



I2WD Strategic Opportunities

- **Electronic Warfare And Cyber Attack**
 - **The Line Between EW And Cyber Operations Is Becoming Much Less Clear With Modern Technology. Current S&T Investments Seek To Take Advantage Of The Merging Technology Space To Enable More Effective, Precise And Tactical Cyber/EW Operations**



I2WD Strategic Opportunities

- **Next Generation Radar Technologies For Counter Fire Target Acquisition And Air Defense**
 - **Existing Radar Systems Are Optimized To Provide Specific Mission Capabilities. Future S&T Efforts Will Work To Develop Common Components And Software That Enable A Modular Architecture Across Multiple Radar Classes To Reduced Logistics Burden And Training**
- **Dismount Moving Target Indicator Foliage Penetrating Radar**
 - **Develop A Fixed-wing Foliage Penetrating (FOPEN) Dismount Moving Target Indicator (DMTI) Radar That Will Provide Persistent Surveillance To Deny Dismounted Troops The Ability To Maneuver Under Foliage**

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



Dismount Moving Target Indicator Foliage Penetrating Radar

Purpose: To Develop A Fixed-wing Foliage Penetrating (FOPEN) Dismount Moving Target Indicator (DMTI) Radar That Will Provide Persistent Surveillance To Deny Dismounted Troops The Ability To Maneuver Under Foliage

Results/Products:

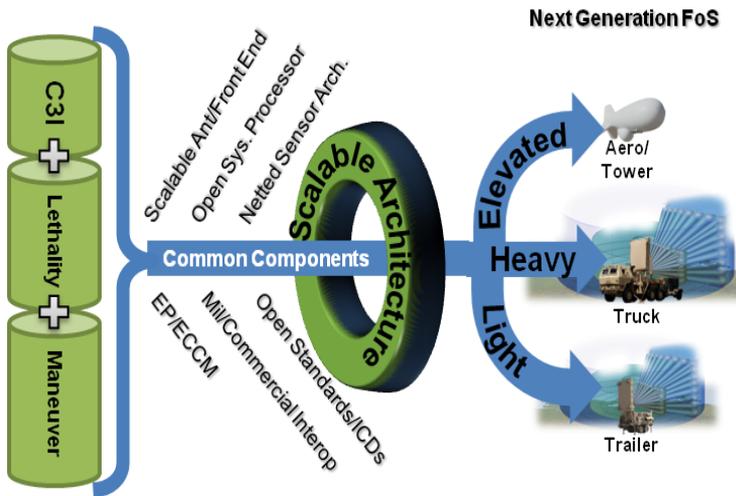
- Human, Vehicle, Animal And Clutter Discrimination Algorithms
- Hardware Advancements Allowing Detection Of Dismounts On A Fixed-wing Platform
- Resource Manager That Allows Dynamic Energy Management And Adaptive Beam Scheduling
- Adaptive Beamforming STAP Techniques



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



Next Generation Radar Technologies for Counter Fire Target Acquisition and Air Defense



Purpose: To Develop The Architectures, Processing And Components Necessary To Deliver Next Generation Capability, Flexibility And Supportability To The Fires Family Of Radar Systems In Time To Deliver Multi-band Actively Electronically Scanned Array Technology To Sentinel

Results/Products:

- Multi-band RF Front End Hardware
- Algorithms For Radar Management, Cognitive Transmit/Receive, And Electronic Counter-Countermeasures (ECCM)
- Hardware Designs For Advanced ECCM

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



I2WD BAA Opportunities

**Title: Intelligence And Information Warfare Directorate (I2WD)
Issued For Research And Development In Pertinent Topic Areas**

**Contract Type: Individual Contracts Of Varying Types To Include
Cost Plus Fixed Fee (CPFF) And Firm Fixed Price (FFP)**

Estimated Value: \$475M/5 Years

**Key Milestones: The BAA Is An Open Solicitation Which Shall Be In
Effect Through August 2014**

Contracting Contact: Christine Epps, 443-861-4669

Solicitation #: W15P7T-09-R-S152

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



Item or Service Description

- **The CERDEC Intelligence and Information Warfare Directorate Is Soliciting Proposals Against This BAA For The Advancement Of Applied Research and Advanced Technology Development To Support The Warfighter And Challenges Of Asymmetric Warfare**
- **Topic Areas Include (Not Comprehensive Listing):**
 - **Advanced Radio Frequency Technology And Techniques For Signal Intelligence (SIGINT)**
 - **Measurement And Signature Intelligence**
 - **Weather Sensor Technologies**
 - **Fusion Methodologies**
 - **Radar Technologies And Techniques**
 - **Unattended Sensors And Vehicles**
 - **Electronic Warfare for Air and Ground Survivability**
 - **Offensive Information Operations (OIO)**



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



Night Vision and Electronic Sensors (NV&ESD)

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.



NVESD Strategic Opportunities

- **EO/IR Sensors To Combat Degraded Visual Environments (DVE)**
 - **Primarily Focused On Brownout**
- **Integrated Sensor Architectures**
- **Multi-function Displays**
- **Sensor Fusion**
- **EO/IR Sensor Protection**
- **Multi-function EO/IR Sensors**
- **Next Generation Soldier Sensors And Displays**
- **Detection Of IEDs And Mines At Tactical Speeds For Convoys**
- **Reductions In SWAP-C Uncooled, SWIR, Pointing And Displays For Soldier Applications**

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



NVES Strategic Opportunities

- **Degraded Visual Environments**
 - **Current S&T Investments Seek To Take Advantage Of Spectral Phenomenology To Improve The Existing Flight Controls Systems And Handling Characteristics To Assist The Pilot In Managing Workload When Vision Or Situational Awareness Is Challenged Or Obscured**
- **Integrated Sensor Architectures**
 - **Current S&T Investments Seek To Shape The Army's Transition To A Cost-effective Networked Sensor Architecture Via The Sensors And Real Time Embedded CEs – Integrated Sensor Architectures And Multifunction Displays**
- **EO/IR Sensor Protection**
 - **Current S&T Investments Seek To Keep Army EO/IR Sensors Protected Against Emerging Broad Spectrum Laser Threats And Exploit Enemy's EO/IR Sensors For Our Benefit (Detect/Negate)**

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



NVES Strategic Opportunities

- **Next Generation Soldier Sensors And Displays**
 - **Current S&T Investments Seek To Develop Low-cost Next Generation Soldier Day/Night Sensors And Heads-up Multifunction Displays For Future Weapon Sights And Head Mounted Sights**
- **Detection Of IEDs And Mines**
 - **Current S&T Investments Seek To Research And Develop Novel Approaches To Standoff Detection Of IEDs And Mines At Tactical Speeds For Convoys And Non-engineer Vehicles For Future Applications**

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



NV&ESD Opportunities

Title: Warrior Enabling Broad Sensor Services (WEBS)

Contract Type: Cost Plus Fixed Fee, Firm Fixed Price

Estimated Value: \$1.6 B (awarded in 2012)

Key Milestones:

- **Issue RFP: RFPs Are Being Issued For Task Orders Throughout The Year**
- **Forecast Award: The Option For This Contract Is To Be Exercised In March 2014**



Contracting Contact: Rosetta Wisdom-Russell, 703-704-0826, rosetta.wisdom-russell.civ@mail.mil

Solicitation #: Each individual task order will have a solicitation number

Incumbents: BANC3, Princeton, NJ; Corbin, Alexandria, VA; EO/IR Technologies, Fredericksburg, VA; Fibertek, Herndon, VA; Manufacturing Techniques, Kilmarnock, VA

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



Item or Service Description

Multiple Award, Small Business Set-aside Contracts To Obtain Support/Services Which Provide CERDEC Night Vision And Electronic Sensors Directorate (NVESD) With Sensor Technology, Systems Integration, Administrative Support, Test And Evaluation And Engineering Support And Services For Night Vision And Electronic Sensor Systems



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



NV&ESD Opportunities

Title: Rapid Acquisition of Material for Prototyping (RAMP)

Contract Type: Cost Plus Fixed Fee. Firm Fixed Price

Estimated Value: \$190M

Key Milestones:

- **Issue RFP: 2QFY14**
- **Forecast Award: 4QFY14**



Contracting Contact: Ofelia Rivera, 703-704-0824, ofelia.p.rivera.civ@mail.mil

Solicitation #: W909MY14RE001

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



Item or Service Description

**CERDEC Night Vision And Electronic Sensors Directorate (NVESD)
Requires Materials And Services For The Rapid Development, Prototyping
And Evaluation Of Specialized Sensors And Sensor Systems**

These Technology Areas Include But Are Not Limited To:

- **Persistent Surveillance Systems**
- **Improvised Explosive Device / Mine Detection Systems**
- **IED And Mine Neutralization Systems**
- **Target Acquisition**
- **Intelligence, Surveillance And Reconnaissance Sensors**
- **Pilotage And Navigation Systems**
- **Sensors For Force Protection**
- **Soldier-borne Sensor Systems**



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



NV&ESD Opportunities

Title: Broad Agency Announcement (BAA) For Night Vision And Counter-explosive Hazards Technologies

Contract Type: Cost Plus Fixed Fee, Firm Fixed Price

Estimated Value: \$25M Per Fiscal Year

Key Milestones:

- **FY14 - Two Step Process:**
 - **White Papers Due 17 December 2013**
 - **Forecast Award: Various In 4th Quarter 2014**
- **FY15 Through FY18 - One Step Process**
 - **Proposals Due 31 October And 31 March Each Fiscal Year**

**Contracting Contact: Tristina Patterson, 703-704-0861,
Tristina.L.Patterson.Civ@mail.Mil**

Solicitation #: W909MY13RD006/Amendment 00003



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



Item or Service Description

- **The CERDEC Night Vision And Electronic Sensors Directorate (NVESD) Is Soliciting Proposals Against This BAA For The Advancement Of Applied Research To Support The Warfighter And Challenges Of Asymmetric Warfare**
- **Topic Areas May Include:**
 - **Curved Substrate Waveguide Optics**
 - **Solid State Low Light Silicon Imaging Sensors**
 - **Low Profile, Light Weight Imaging Optics**
 - **Image And Signal Processing**
 - **Clip-on Sniper Weapon Sight Technology**
 - **Augmented Reality And Embedded Simulation Of EO/IR Sensors**
 - **Human Signature Exploitation Research**
 - **Target Acquisition Performance Modeling**
 - **Read Out Integrated Circuits (Roics) For Large Format Imaging Arrays**
 - **Countermine/Counter-IED Detection And Neutralization Technology**



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



Space and Terrestrial Communications (S&TCD)

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.



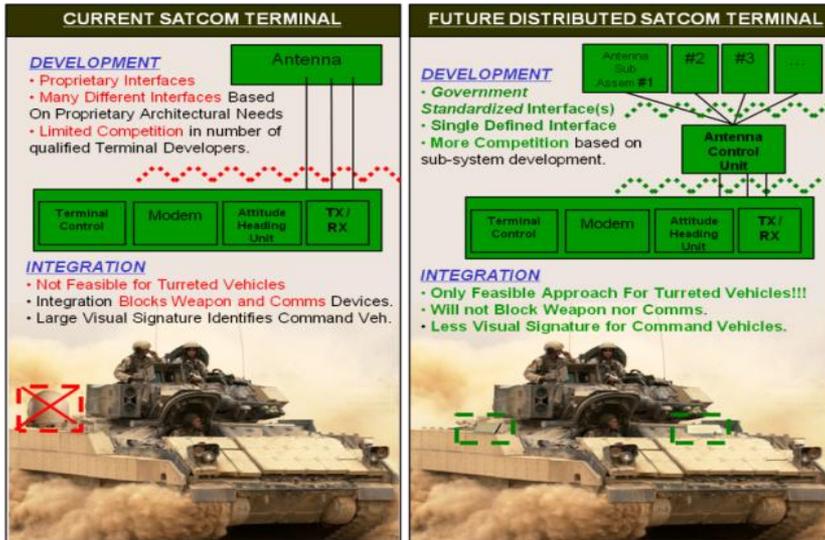
S&TC Strategic Opportunities

- **Next Generation Communications Waveform**
 - **Current S&T Investments Seek To Develop New Communication Waveforms To Enable Communications Through Jamming, Improve Network Capacity And Simplify Network Configuration And Flexibility To Enable Rapid Unit Task Reorganization**
- **Protected SATCOM**
 - **Current S&T Investments Seek To Allow For End To End Situation Awareness Of SATCOM Signals To Detect Jamming. Allow SATCOM Communications Through Or Around Jamming and Provide Increased Communications Capacity And Flexibility In Non-interference Conditions**

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



Distributed/Embedded SATCOM Terminals



Purpose: Research And Develop Cost Effective Technologies And Methods For Development Of Distributed And Embedded SATCOM Tactical Terminals

Results/Products:

- Vehicle Trade Study
- Open Standard Interface And Architecture For The Distributed Terminals
- Test And Evaluation Criteria For Open Standard Interface And Architecture
- Prototype Distributed Terminal That Targets WIN-T And Bradley M2A3 Requirements

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



Opportunities

Title: Distributed Embedded SATCOM Standard Terminal Architecture (DESSTA)

Contract Type: Cost Plus Fixed Fee

Estimated Value: \$3M

Key Milestones:

- **Issue RFP: TBD**
- **Forecast Award: TBD**

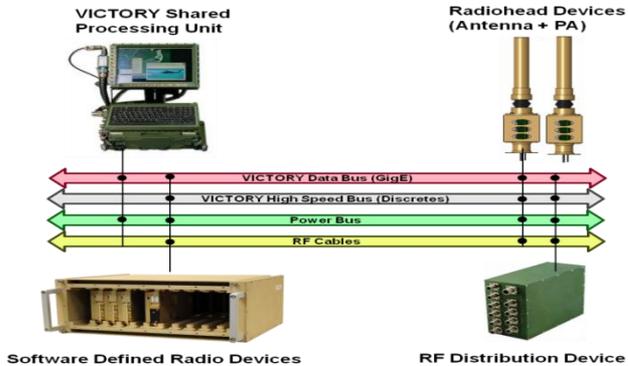
Contracting Contact: David Greaves, 443-861-4648

Solicitation #: TBD

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



Wireless Information Assurance



Purpose: Research And Develop Techniques To Protect Software Defined Radio Waveforms And Routing Protocols For Tactical Mobile Adhoc Networks Addressing The Physical, Data Link, And Network Layers

Results/Products:

- Signal Classification Module
- Routing Protocol IDS
- Physical Layer Authentication
- HAIPE Support For VPX-3 Standard
- Message Control Signing Function



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



Opportunities

Title: Wireless Information Assurance

Contract Type: Cost Plus Fixed Fee

Estimated Value: \$4.9M

Key Milestones:

- **Issue RFP: 2QFY14**
- **Forecast Award: 3QFY14**

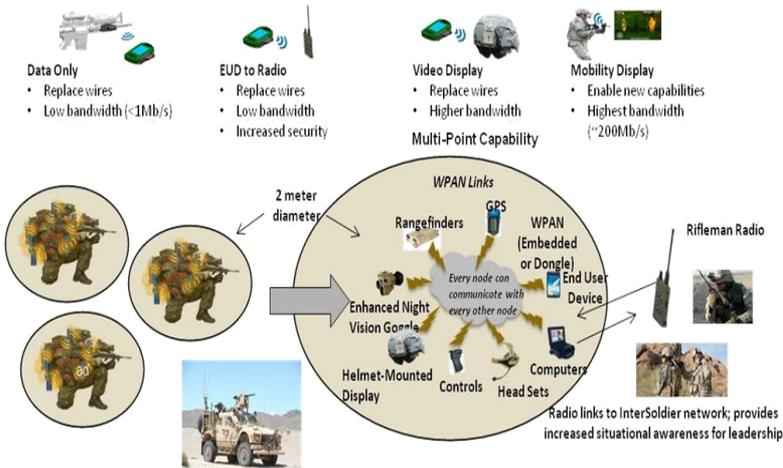
Contracting Contact: TBD

Solicitation #: BAA W15P7T-08-R-P415

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



Intra Soldier Wireless (ISW)



Purpose: Develop A Secure, Government Owned, Intra-soldier Wireless Capability To Network On-soldier Sensors And Ancillary Devices. Design For EW Compatibility, LPI, LPD, And Low Latency. Develop Standards, Specifications, And Reference Implementation For Both Software And Hardware

Results/Products:

- Modified WPAN Specifications And Standards
- Government Owned Reference Implementation
- Two Selected And Qualified Soldier Technologies/End-items

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



Opportunities

Title: Intra Soldier Wireless

Contract Type: Cost Plus Fixed Fee, Firm Fixed Price

Estimate Value: \$4.5M

Key Milestones:

- **Issue RFP: 2Q FY14**
- **Forecast Award: 1QFY15**

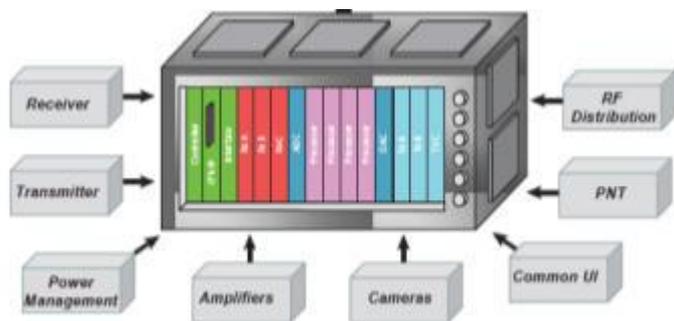
Contracting Contract: TBD

Solicitation #: N/A

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



RF Convergence



Purpose: To Develop HW/SW Standard Based Vehicular That Enables Collapsing Of Multiple Communications, EW And Position, Navigation, Timing (PNT) Functions Into A Common Chassis

Results/Products:

- Chassis Backplane And Card Interfaces
- Processing Cards, Receiver/Transmitter Cards
- Radio Frequency (RF) Switch Matrix Specifications
- Terrestrial/SATCOM Antennas (Omni, Directional)
- RF Components (Amps, Filters, Etc)

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



Opportunities

Title: RF Convergence

Contract Type: Cost Plus Fixed Fee, Firm Fixed Price

Estimated Value: TBD

Key Milestones:

- **Industry Day – Spring/Summer FY14**
- **Issue RFP: TBD**
- **Forecast Award: TBD**

Contracting Contact: TBD

Solicitation #: TBD

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



Conclusion of Presentation



Welcome To the 2nd Annual

**Team Aberdeen Proving Ground
Advanced Planning
Briefing for Industry**

“Where Innovation Thrives”

December 4, 2013

The Leader in Empowering the World's Most Capable Soldiers



US Army Natick Soldier RD&E Center

Technology

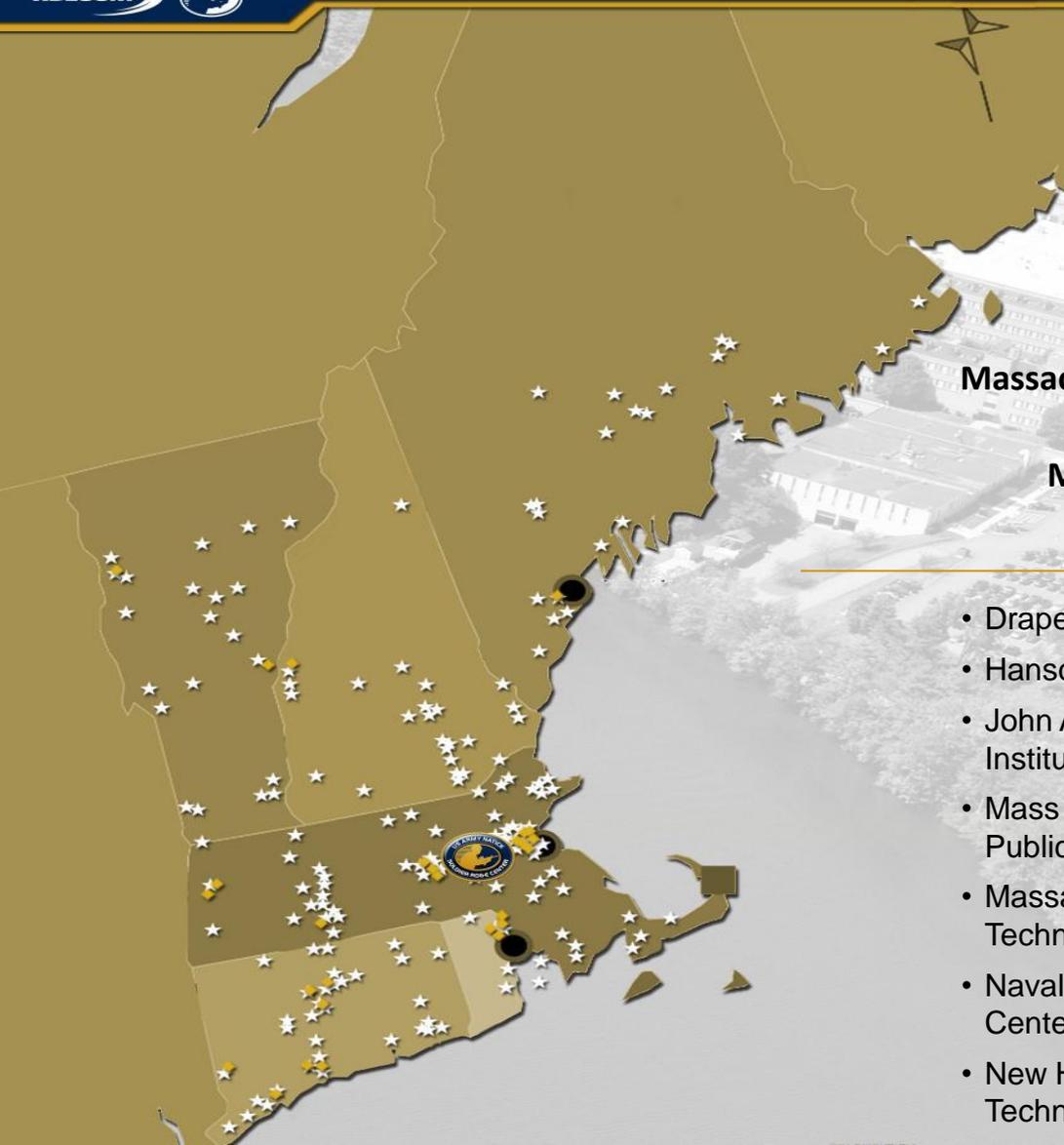
Massachusetts Ranked #1 for Science & Technology
 2004, 2008, 2010, 2012
Milken Institute

Massachusetts Ranked #2 for Total R&D Expenditures
National Science Foundation

Massachusetts 1 of 6 Leading Technology States
US Census

Sample of S&T Partners

- Draper Laboratory
- Hanscom Air Force Base
- John Adams Innovation Institute
- Mass Executive Office of Public Safety and Security
- Massachusetts High Technology Council
- Naval Undersea Warfare Center
- New Hampshire High Technology Council
- Fosta-Tek Optics, Inc.
- Lilliputian Systems, Inc.
- Metabolix, Inc.
- New England Ropes, Inc.
- Niche, Inc.
- Pascale Industries, Inc.
- Polartec, LLC
- Qinetiq North America
- Triton Systems, Inc.
- Kaman Aerospace



Natick Soldier RD&E Center

The Leader in Empowering the World's Most Capable Soldiers

Research, development and engineering to maximize the Warfighter's

- **Survivability**
- **Sustainability**
- **Mobility**
- **Combat Effectiveness**
- **Field Quality of Life**

by treating the Warfighter as a system



NSRDEC: Focused on the Soldier Domain



Basic & Early Applied Research



**Airdrop/
Aerial Deliver**



**Clothing &
Protective
Equipment**



**Human Systems
Integration**



**Expeditionary
Basing/Collective
Protection**



**Soldier/SCU Tech
Maturation and
Demonstration**



**Joint Service
Combat Feeding**

Director's Assessment / Concerns

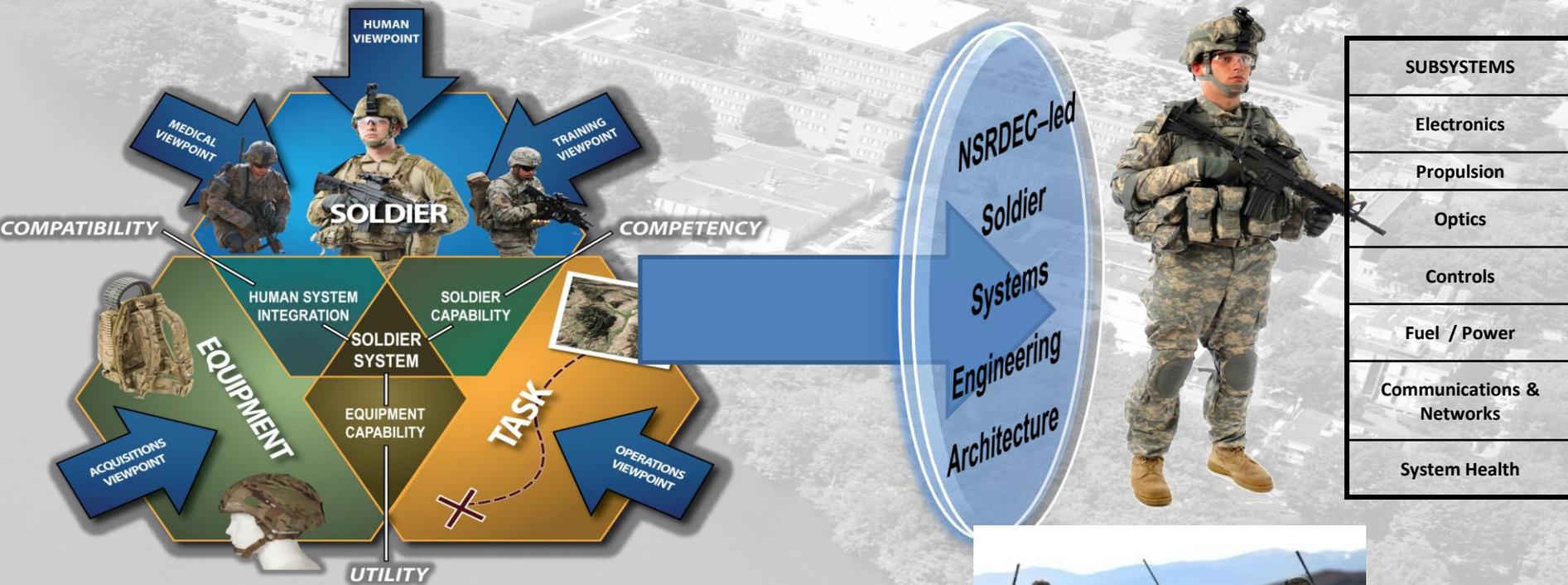
Top Three (3) Priorities:

1. **Implement Soldier Systems Engineering Architecture (SSEA), a game changer for the Army and a unifying construct for the Soldier System**
2. **Shape workforce to immediate demands of today and evolving priorities of tomorrow**
3. **Leverage collaborative efforts with all partners (other RDECs/ARL, OGA, industry, academia, State, etc.)**

Top Three Challenges / Concerns:

1. **Gain acceptance of a new Soldier Systems Engineering Architecture paradigm and integrate into broader Army**
2. **20th Century tools for 21st Century demands addressing workforce restructuring and infrastructure sustainment/improvement**
3. **Becoming the Go-To-Place that drives defense, other government, industrial, and academic communities resulting in Win-Win, Spin-In/Spin-Out solutions**

Soldier Systems Engineering



Soldier & Small Units

Opportunities for Funding

BAA and Unsolicited Proposals must comply with the FAR but still provide the offeror with more flexibility than a typical contract solicitation.

Broad Agency Announcement (BAA)

- The BAA is an open solicitation for proposals.
- It is funded to fulfill requirements for scientific study and experimentation.
- The BAA does **not** focus on specific systems or hardware.
- The solicitation is divided into several topic groups that are of interest to the sponsoring lab and identifies a POC for that area.

Unsolicited Proposals (UPs)

- Innovative and unique;
- Independently originated and developed by the offeror;
- Prepared without Government endorsement or involvement;
- Include **sufficient detail** to permit a proper evaluation;
- Not be an advance proposal for a known agency requirement;
- Not address a previously published agency requirement.

Contact Information

U.S. Army Natick Soldier Systems Center (NSSC)

<http://www.army.mil/info/organization/natick/>

Natick Soldier Research, Development and Engineering Center (NSRDEC)

<http://nsrdec.natick.army.mil/index.htm>

NSRDEC
Broad Agency Announcement
(BAA)

<http://www3.natick.army.mil/NSRDEC-Broad-Agency-Announcement.aspx>

Unsolicited Proposals

http://nsrdec.natick.army.mil/media/print/DoingBusiness-Guidebook_Web.pdf#page=30

Phil Varney; Business Development Office, Small Business Advocate
Natick Soldier Research Development and Engineering Center
Kansas Street
Natick, MA 01760
508-233-4995
Email: philip.r.varney.civ@mail.mil





BAA For Basic and Applied Research

Solicitation Number: W911QY-13-R-0032

Effective from 1 March 2013 – 31 March 2015

- A. Combat Feeding Equipment and Systems
- B. Combat Ration Research and Development
- C. Warfighter Systems Technologies
- D. Shelters and Life Support Technologies for Contingency Basing
- E. Airdrop – Advanced Personnel and Cargo Airdrop Systems
- F. Textile Technologies
- G. Modeling and Simulation
- H. Warfighter Advanced Technologies
- I. Technology Enabled Capability Demonstrations (TECDs)

Ballistics and Blast Protection

Challenge Areas:

- Lightweight materials and systems to mitigate broad ballistic threats
- Modular body armor that can be tailored to defeat specific threats
- Primary blast injury models
- Updated standards to evaluate behind armor blunt trauma



Contingency Basing

Challenge Areas:

- Self-sufficient base camp technologies that reduce waste generate and energy & water consumption
 - Waste remediation/disposal
 - Efficient energy solutions
 - Rapid Deployment
 - Survivability



Airdrop/Aerial Delivery

Challenge Areas:

- Precision airdrop in complex terrains
 - Cargo and personnel
- Tactical resupply for enhanced ground force maneuverability
- “On demand” air drop
 - Similar to call for fire
 - Support unburdening Soldier load
- Alternative forms of navigation to allow for use in GPS denied areas



Combat Feeding

Challenge Areas:

- Cutting-edge solutions for food processing, packaging and preservation
- Improved selectivity and/or sensitivity of foodborne pathogen and toxin detection sensors
- Reduction in energy expenditure and manpower consumption while providing flexibility to support feeding Soldiers in various operational scenarios



Industry Forums

Parachute Industry Association



Airdrop/Aerial Delivery



North American Association of Uniform Manufacturers & Distributors

Clothing



Joint Committee on Tactical Shelters

Shelters



Research & Development Associates for Military Food & Packaging Systems

Combat Feeding





US Army Natick Soldier
Research, Development &
Engineering Center

The Science Behind the Soldier

*Yesterday,
Today and
Tomorrow*



Welcome To the 2nd Annual

**Team Aberdeen Proving Ground
Advanced Planning
Briefing for Industry**

“Where Innovation Thrives”

December 4, 2013



ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFINGS TO INDUSTRY

U.S. Army Tank Automotive Research, Development & Engineering Center (TARDEC)

*Dr. Paul Rogers, Ph.D., SES
Director, TARDEC
4 December 2013*

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.



TARDEC Mission & Vision

MISSION:

Develop, integrate and sustain the right technology solutions for all manned and unmanned Department of Defense (DOD) ground systems and combat support systems to improve Current Force effectiveness and provide superior capabilities for the Future Force

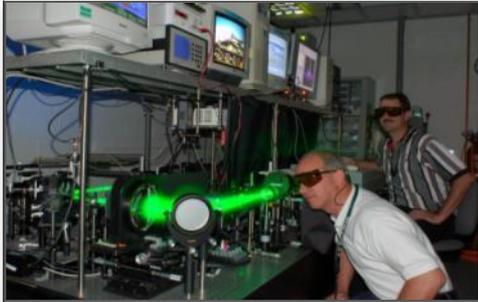
VISION:

TARDEC's vision is to be the DoD's recognized leader for ground systems and ground combat support systems technology integration and system-of-systems engineering across the Life Cycle

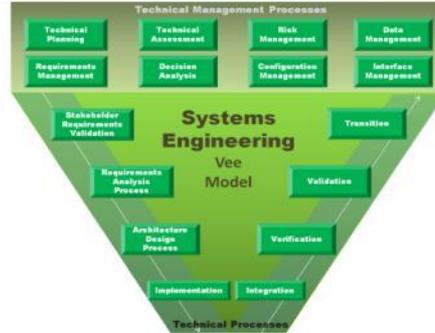
We help our Warfighters succeed and come home alive



Unique Capabilities: *Full Life-Cycle Technical Support*



Research/Technology Development



Systems Engineering



Product Development

Integration



Production Support



Field Support





Meeting the Army's Top Challenges



Greater force protection for Soldier, air and ground platforms



Ease overburdened Soldiers in small units



Reduce logistics burden of storing, transporting, distributing and retrograde of materials



Achieve operational maneuverability in all environments and at high operational tempo



Enable ability to operate in Chemical, Biological, Radiological, Nuclear, and Explosives (CBRNE) environment



Improve operational energy



Reduce life cycle cost of future Army capabilities

TARDEC supports seven of the Army's eleven persistent challenges



TARDEC's 30-Year Strategy

Aligning TARDEC's Resources in a New Direction

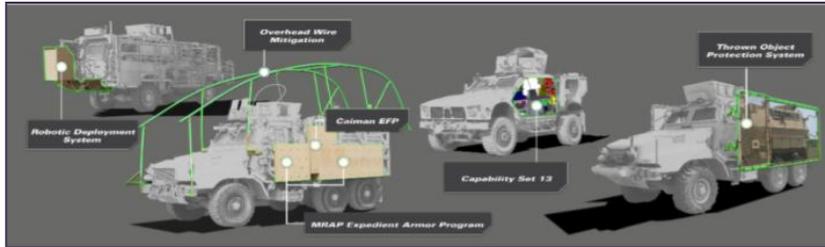
From providing. . .

To providing. . .

- R&D Focused on Specific, Individual Components
- "The Bolt-on Approach"
- Existing platforms, near term focus
- Technology project related to PM need areas

- Integrated, Platform-level Solutions
- "Designed-in Adaptability and Mission Flexibility"
- Greater emphasis on emerging ground vehicle systems
- Integrated solutions to current Programs of Record

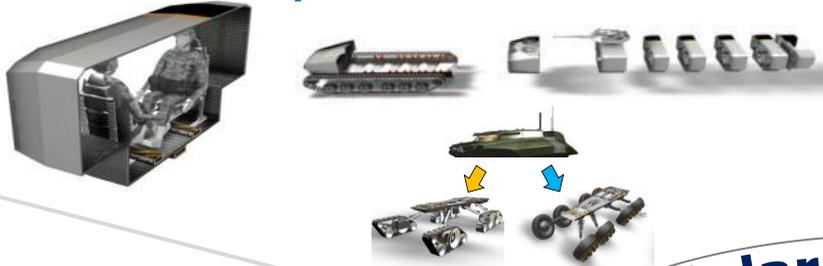
Pivot Point



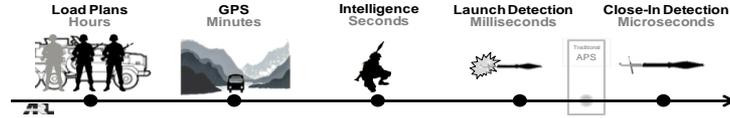


End State: Military Ground Vehicle of the Future

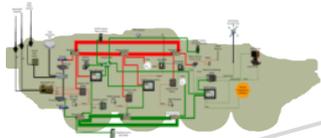
Physical Architecture



Adaptable Protection



Open Data/Electronic Architecture

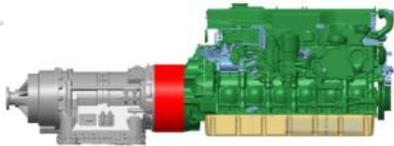


Modular
Adaptable
Smart
Flexible

Manned / Unmanned Teaming



Common Efficient Powertrain



Flexible Manufacturing





Where Industry Can Help – Technology Gaps

Autonomy-Enabled Systems

- Common / Open Architecture
- Enhanced Mobility
- Power and Energy – Mission Duration
- Autonomous Testing Methodologies and Procedures

Power Density & Energy Efficiency

- Control system that bridges industry & defense gaps
- Thermal burden under armor
- Development of high voltage auxiliaries
- Silent propulsion/Silent watch

Modeling and Simulation

- End-To-End Mobility Solver
- Systems Level Underbody Blast
- Physics-Based Data to Whole Systems Trade Space Tools
- Intelligent Mobility
- Multi-Disciplinary Design Optimization
- Gaming Environment

Electronics Architecture

- VECTOR (VICTORY Electronics Architecture Enabled Company Transformation)
- Electronics & Software: Develop Systems, Sub-systems, and items that implement the VICTORY Compliant Components
- Participate in the refinement of future VICTORY standard revisions

Protected Mobility

- Balance between Survivability and Mobility
- Commercial Engine for Combat Vehicles
- IED Defeat
- Common Architecture (CA) Compliant countermeasures
- CA Compliant sensors
- External Suspension for 50 ton and higher

Ground System Architecture

- Develop systems, sub-systems, and components that comply and interface with standard, open architecture (data, electrical, physical)



Opportunities

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.



Opportunities

TITLE: Airbag Design and Test

CONTRACT TYPE: Cost Plus Fixed Fee (CPFF)

ESTIMATED VALUE: \$712,000

KEY MILESTONES:

- - Issue RFP: 3rd QTR FY14
- - Forecast Award: 4th QTR FY14

CONTRACTING CONTACT: Marcia Czar, (586) 282-8757

SOLICITATION #: TBD

TASK DESCRIPTION: Survivability Analysis and Optimization



Opportunities

TITLE: Softkill Countermeasures

CONTRACT TYPE: Cost Plus Fixed Fee (CPFF)

ESTIMATED VALUE: \$2,000,000

KEY MILESTONES:

- - Issue RFP: 3rd QTR FY14
- - Forecast Award: 4th QTR FY14

CONTRACTING CONTACT: Marcia Czar, (586) 282-8757

SOLICITATION #: TBD

TASK DESCRIPTION: Architecture, Requirements, Maturation, Evaluation of Defensive Aid Suites (ARMED)



Opportunities

TITLE: Seat/Restraint Development, Fabrication

CONTRACT TYPE: Cost Plus Fixed Fee (CPFF)
ESTIMATED VALUE: \$983,000

KEY MILESTONES:

- - Issue RFP: 3rd QTR FY14
- - Forecast Award: 4th QTR FY14

CONTRACTING CONTACT: Marcia Czar, (586) 282-8757

SOLICITATION #: TBD

TASK DESCRIPTION: Blast Technology Development



Opportunities

TITLE: Auxiliary Power Unit (APU) Battery Integration

CONTRACT TYPE: Cost Plus Fixed Fee (CPFF)

ESTIMATED VALUE: \$577,000

KEY MILESTONES:

- - Issue RFP: 3rd QTR FY14
- - Forecast Award: 4th QTR FY14

CONTRACTING CONTACT: Marcia Czar, (586) 282-8757

SOLICITATION #: TBD

TASK DESCRIPTION: Ground Vehicle APU System Development



Opportunities

TITLE: Composite Material

CONTRACT TYPE: Firm Fixed Price (FFP)

ESTIMATED VALUE: \$500,000

KEY MILESTONES:

- - Issue RFP: 3rd QTR FY14
- - Forecast Award: 4th QTR FY14

CONTRACTING CONTACT: Marcia Czar, (586) 282-8757

SOLICITATION #: TBD

TASK DESCRIPTION: Modular Vehicle Demonstrator



Opportunities

TITLE: Multi-UGV Extended Range (MUER) Material and Engineering Test Support

CONTRACT TYPE: TBD

ESTIMATED VALUE: \$680,000

KEY MILESTONES:

- - Issue RFP: 3rd QTR FY14
- - Forecast Award: 4th QTR FY14

CONTRACTING CONTACT: Marcia Czar, (586) 282-8757

SOLICITATION #: TBD

TASK DESCRIPTION: Multi-UGV Extended Range (MUER) Experiment



Opportunities

TITLE: Engineering and Technical Support (White Collar)

CONTRACT TYPE: Firm Fixed Price (FFP) multiple year (base + two option years)

ESTIMATED VALUE: \$9,900,000 (\$3.3M per year)

KEY MILESTONES:

- - Issue RFP: 3rd QTR FY14
- - Forecast Award: 4th QTR FY14

CONTRACTING CONTACT: Marcia Czar, (586) 282-8757

SOLICITATION #: TBD

TASK DESCRIPTION: CGVDI Engineering and Technical Support



Opportunities

TITLE: Manufacturing Technical Support (Blue Collar)

CONTRACT TYPE: Firm Fixed Price (FFP) multiple year (base + two option years)

ESTIMATED VALUE: \$9,900,000 (\$3.3M per year)

KEY MILESTONES:

- - Issue RFP: 3rd QTR FY14
- - Forecast Award: 4th QTR FY14

CONTRACTING CONTACT: Marcia Czar, (586) 282-8757

SOLICITATION #: TBD

TASK DESCRIPTION: CGVDI Manufacturing Technical Support



Welcome To the 2nd Annual

**Team Aberdeen Proving Ground
Advanced Planning
Briefing for Industry**

“Where Innovation Thrives”

December 4, 2013



ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFINGS TO INDUSTRY

**U.S. Army Manufacturing Technology (ManTech) Program
U.S. Army Technology Transfer (T2) Program**

**U.S. Army Research Development and Engineering
Command (RDECOM)**

*Mr. Joseph Forino
Chief, Programs & Technology Transition
4 Dec 2013*

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.



ManTech Program Overview

Army ManTech focuses on products and processes that reduce manufacturing costs and production risks for Program Offices (10 U.S.C. 2521, DoDD 4200.15)

- **Cost reduction and sustainability of current systems:** Address manufacturing processes associated with mature technologies for near-term transition and implementation on fielded systems
- **Critical S&T efforts unique to the Army:** Enable maturation and transition of S&T products through manufacturing process improvements
- **Advanced Manufacturing Technology Initiatives (AMI):** Reduce development time and costs through the use and re-use of 3D and manufacturing technical data throughout the product lifecycle

The program is executed through the Army S&T organizations with close coordination with Army PEO/PMs and the joint community through the Joint Defense Manufacturing Technology Panel (JDMTP)



Opportunities

Annual project calls are driven by Army S&T strategy and inputs from transition partners within the PEO/PM and Army S&T organizations

- Proposals are submitted by the Army S&T organizations in coordination with industry
- Typical project is 2-4 years in length and ranges from \$2-10M in total funding
- Planning for FY15 and FY16 projects is happening now

For more information, please visit our website at www.armymantech.com





Technology Transfer Program Overview

Technology transfer is the process by which existing knowledge, facilities, or capabilities developed under federal research and development (R&D) funding are utilized to fulfill public and private needs.

- Stimulate spin-off of Army technologies to private sector for product engineering and transition to products available for military acquisition.
- Integrating advanced commercial-sector technologies into Army systems, particularly from non-traditional defense contractors through working with DoD funded Partnership Intermediaries, regional and local economic development authorities, and leveraging of SBIR.
- Establishing collaborative R&D projects with the private sector for cost-sharing of new dual-use technology development.
- Meeting statutory mandate to leverage federal R&D investment.



Opportunities to Partner

Common Technology Transfer Mechanisms:

- **RDECOM Master CRADAs**: Overarching CRADA that allows partners to work with multiple labs, on multiple projects, with less paperwork and greater uniformity of processes.
- **Test Support Agreements**: Specific agreement for private sector to test their technologies and to leverage other RDECOM facilities, expertise, and equipment.
- **Patent License Agreements**: Agreement to license patented intellectual property.

The **RDECOM Technology Transfer Office** can assist potential partners in finding the right SMEs among the RDECs, and the right agreement that will best suit your needs.



Welcome To the 2nd Annual

**Team Aberdeen Proving Ground
Advanced Planning
Briefing for Industry**

“Where Innovation Thrives”

December 4, 2013



ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFINGS TO INDUSTRY

Army Small Business Innovation Research (SBIR) Program Office

HQ RDECOM

*Presenter: M. John Smith
Title: Program Manager
Date: 4 December 2013*

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.



Program Overview

- ✓ Congressionally-mandated program since 1982 (*15 U.S.C. s.638*)
 - FY12 NDAA Reauthorized Program Thru 2017
- ✓ Funded as a set-aside assessment of extramural R&D budget
 - 2.7% (FY13) Army RDT&E appn. \$149M
- ✓ Established to provide small businesses opportunities to propose innovative research and development technology solutions to critical soldier needs
- ✓ Three-phased process:
 - Phase 1: \$100K, 6 month effort, Deliverable: Feasibility Study (Ph1 Option provides additional \$50K)
 - Phase 2: \$1.0M, 2 year effort, Deliverable: Prototype (Ph2-E/CRP provides additional \$500K)
 - Phase 3: \$ Unlimited, but non-SBIR sourced, Deliverables: Commercial Products
- ✓ SBA has executive authority over federal SBIR programs (Policy, Compliance)



Opportunities

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.



Opportunities

TITLE: DoD SBIR Current Solicitations (see <http://www.dodsbir.net/solicitation/> for current solicitation schedules); Army SBIR website, <http://www.armysbir.army.mil/>

CONTRACT TYPE: Various (e.g. FFP in Ph1, FFP/Cost-Plus in Ph2); Army SBIR contracts are awarded at all ACC acquisition centers; No Grants!

ESTIMATED VALUE: Ph1: NTE \$100K, Ph1 Option: NTE \$50K (Total: NTE \$150K)
Ph2: NTE \$1.0M, Ph2-E/CRP NTE \$500K (Total: NTE \$1.5M)

KEY MILESTONES:

- - Issue RFP: See schedule; Ph1 (3x per yr) Ph2 (3-4x per yr)
- - Forecast Award: See schedule

CONTRACTING CONTACT: See schedule

SOLICITATION #: See schedule



Item or Service Description

- ✓ Various requirements/topics: 22 participating Army organizations
- ✓ Each topic has potential 3-5 yr. life cycle, potential \$1.5M total investment
- ✓ Topic Criteria: solicit R&D (not procurement), address DoD's key technology areas, afford firms "significant flexibility" in design, address Phase III dual-use applications, not duplicative, and clearly written/actionable

<u>Organization</u>	<u>2012 Topics</u>
ARL	16
AMRDEC (A)	7
AMRDEC (M)	7
ARDEC	14
ATEC	2
CERDEC	19
ECBC	2
CoE-ERDC	6
MRMC	9
NSRDEC	7
SMDC	4

<u>Organization</u>	<u>2012 Topics</u>
TARDEC	7
PEO AMMO	2
PEO AVIATION	2
PEO C3T	2
JPEO-CBD	2
PEO CS&CSS	2
PEO GCS	2
PEO IEW&S	2
PEO M&S	2
PEO SOLDIER	2
PEO STRI	2



Welcome To the 2nd Annual

**Team Aberdeen Proving Ground
Advanced Planning
Briefing for Industry**

“Where Innovation Thrives”

December 4, 2013



ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFING FOR INDUSTRY



Research, Development & Engineering Command Office of Small Business Programs

*Mr. John O'Brien
Associate Director OSBP
2013 Dec 4*



Program Overview

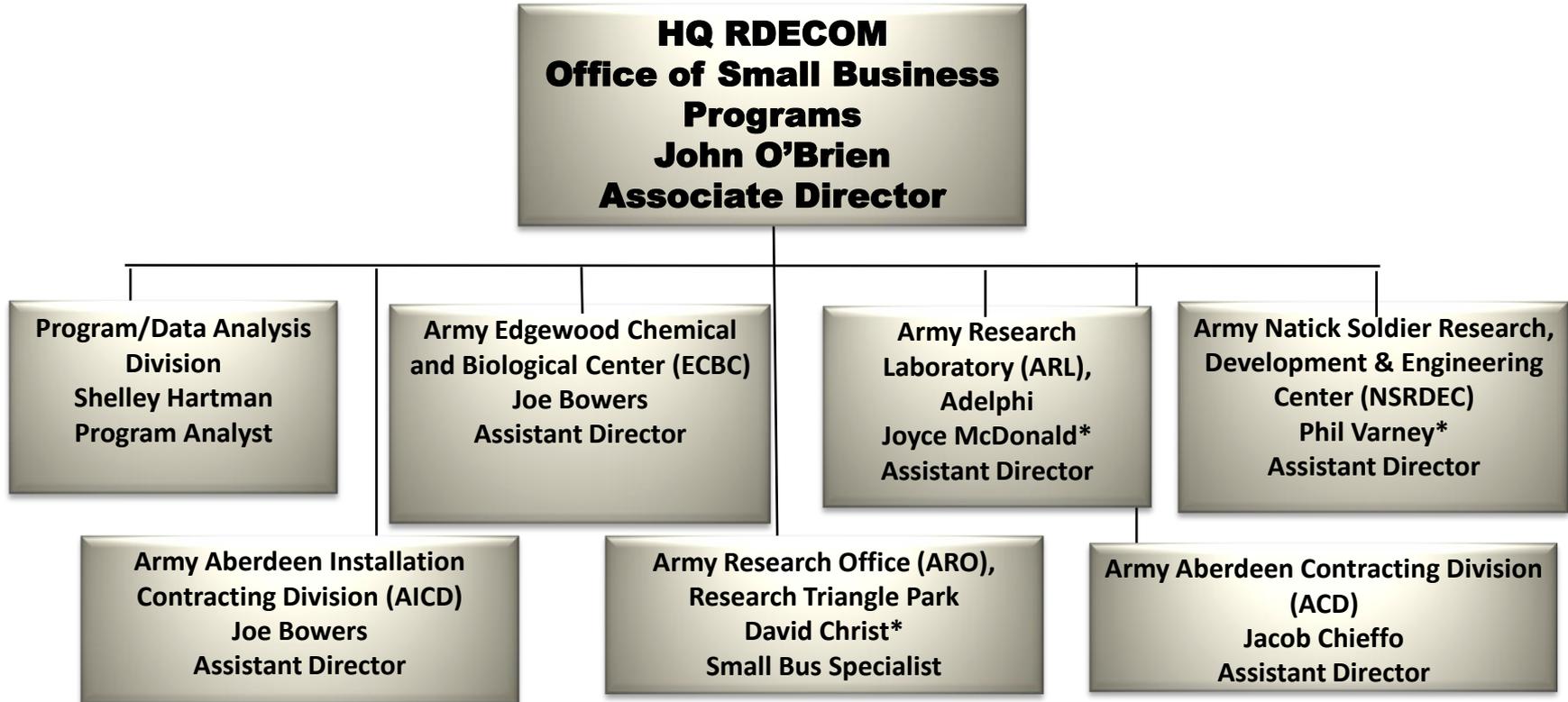
The RDECOM Office of Small Business Programs (OSBP) fully supports the Department of Defense (DOD) policy to place a fair portion of procurement dollars for supplies and services with all small business *socioeconomic* program elements. Our Small Business Specialists will assist you in understanding the procurement process and provide information on contracting opportunities. We endeavor to maximize small business participation in RDECOM contracting and provide support to any business desiring to contract with the Federal Government.

Socioeconomic program elements include:

- Small Business
- Historically black colleges, universities and minority institutions
- HUBZone Small Business
- Service-Disabled Veteran-Owned Small Business
- Small Disadvantaged Business
- Women-owned Small Business



Program Overview



* Offsite location



FY13 TOP RDECOM NAICS

NAICS	NAICS Description
541330	Engineering Services
541712	Research and Development in the Physical, Engineering, and Life Sciences (except Biotechnology)
541990	All Other Professional, Scientific, And Technical Services
334511	Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing
325412	Pharmaceutical Preparation Manufacturing
339115	Ophthalmic Goods Manufacturing
541611	Administrative Management and General Management Consulting Services
541511	Custom Computer Programming Services
334516	Analytical Laboratory Instrument Manufacturing
339113	Surgical Appliance And Supplies Manufacturing
541711	Research and Development in Biotechnology



Small Business by the Numbers

CATEGORY	FY12	ACTUAL	GOAL	FY13	ACTUAL	GOAL
	<i>Eligible \$'s=</i> \$4,016,876,033			<i>Eligible \$'s=</i> \$3,176,001,761		
SMALL	\$1,326,147,196	35.61%	30.0%	\$1,078,328,241	33.96%	32%
SDB	\$340,379,460	7.45%	7%	\$281,172,949	8.85%	7%
WOSB	\$172,204,310	4.07%	5%	\$138,781,466	4.37%	5%
SDVOSB	\$81,202,570	2.23%	2%	\$140,896,990	4.44%	2%
HUBZONE	\$85,859,629	3.94%	7%	\$41,626,482	1.31%	3%



Opportunities

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.



Opportunities

- **TITLE: Joint Enterprise – Contracted Logistics and Services Support (JE-CLaSS)**
- **NAICS: 811219**
- **Incumbent: Battelle Memorial Institute (BMI)**
- **KEY MILESTONES:**
 - RFP close: Feb. 2014
 - Forecast Award: Sep 2014
- **CONTRACTING CONTACT: rita.j.belfiori.civ@mail.mil**
- **SOLICITATION #: TBD**



Item or Service Description

Joint Enterprise – Contracted Logistics and Services Support (JE-CLaSS)

- **Detection and reconnaissance systems**
- **Individual / collective protection / decontamination systems**
- **Information management systems**
- **Medical devices**
- **Vaccines and therapeutics**
- **Nuclear / radiological systems**
- **Installation / force protection systems**
- **Weapons of Mass Destruction (WMD) elimination systems**



Opportunities

TITLE: TACOM Strategic Service Solutions (TS3)

CONTRACT TYPE: IDIQ

ESTIMATED VALUE: \$3.2 Billion maximum Ordering Value.

KEY MILESTONES:

- - Issue RFP: N/A
- - Forecast Award: N/A

CONTRACTING CONTACT: Corey Richards (586) 282-9668

SOLICITATION #: N/A



Item or Service Description

TS3 will replace Army Contracting Command - Warren's (ACC-WRN's) use of three multiple award mechanisms

– Omnibus III

- Main Portfolio: Knowledge Based Services (KBS)
- Contract Vehicle: Blanket Purchase Agreement (BPA)

– Field and Installation Readiness Support Team (FIRST)

- Main Portfolios: Facility Related Services (FRS) and Equipment Related Services (ERS)

- Contract Vehicle: Multiple Award Indefinite Delivery Indefinite Quantity (MA IDIQ)

– Tank Automotive Research Development and Engineering Center (TARDEC)

Omnibus

- Main Portfolio: Research and Development (R&D) Services
- Contract Vehicle: MA IDIQ

Additional Information:

<https://contracting.tacom.army.mil/services/S3/S3.htm>



Opportunities

TITLE: Universal Battery Charger

NAICS: 335999 (500 employees)

KEY MILESTONES:

- **RFP: est. FEB 2014**
- **Forecast Award: est. SEP 2014**

CONTRACTING CONTACT: theresa.s.quick.civ@mail.mil

SOLICITATION #: W91CRB-13-R-0059, Unrestricted



Item or Service Description

W91CRB-13-R-0059, Unrestricted

The function of the UBC is as a man-portable charger for various rechargeable battery configurations and chemistries (primarily lithium ion and select nickel metal hydride and nickel cadmium batteries). The UBC will be deployed at the squad or platoon level for use in remote (Tier 1) locations where there is no commercial power grid or reliable power generation infrastructure. The UBC must be of minimal weight and volume, survive use in a tactical environment (i.e. pass MIL-STD 810 tests) and be able to charge batteries using alternative and/or renewable energy sources along with standard AC and platform DC power sources.



HELPFUL WEBSITE LINKS

Army Contracting Command Small Business :

<http://www.acc.army.mil/command-and-staff/staff/smallbusiness/>

Army Materiel Command OSBP :

<http://www.amc.army.mil/pa/SMALLBUSINESS.asp>

US Department of Defense OSBP :

<http://www.acq.osd.mil/osbp/>

Department of Army OSBP :

<http://www.sellingtoarmy.info/>

RDECOM Office of Small Business Programs :

<http://rdecom.army.mil/smallbusiness/>

Federal Business Opportunities :

<https://www.fbo.gov>

Army Small Business Innovation Research (SIBR)

<http://www.armysbir.mil>

US Army Manufacturing Technology (MANTECH)

<http://www.armymantech.com>

Army Single Face to Industry (ASFI) Acquisition Business Web Site

<https://acquisition.army.mil/asfi/>



Welcome To the 2nd Annual

**Team Aberdeen Proving Ground
Advanced Planning
Briefing for Industry**

“Where Innovation Thrives”

December 4, 2013



U.S. Army Materiel Command

TEAM ABERDEEN PROVING GROUND

Advance Planning
Briefings for Industry 2013



HQ AMC Office of Small Business Programs
Nancy D. Small, Director OSBP

Sustaining the Strength of the Nation!



U.S. ARMY

AMC Office of Small Business Programs



➤ Small Business Mission

➤ Organization

- Robust program with small business offices located at -
 - AMC HQs
 - seven (7) Major Subordinate Commands (MSCs) = Four (4) Centers of Excellence
 - (1) Redstone Arsenal, AL
 - (2) Rock Island, IL
 - (3) Aberdeen Proving Ground, MD
 - (4) Warren, MI

➤ Goal Performance

- Accounted for 48% of all Army Small Business dollars obligated for FY 2013

➤ Opportunities

- Industry / Services
- Marketing Opportunities = Advance Planning Briefings for Industry (APBIs)

➤ How to Reach Us = ***We are Open for Business!***

What I Want to Leave You With



AMC OSBP Mission & Vision



MISSION:

Ensure that a fair portion of contract awards is placed with small business enterprises

VISION:

Achieving optimum small business participation by seeking small business solutions first

SMALL BUSINESS PROGRAMS:

- Small Business
- Small Disadvantaged Business
- 8a
- Women Owned Small Business
- Historically Underutilized Business Zone
- Service Disabled Veteran Owned Small Business
- Historically Black Colleges & Universities/Minority Institutions



Commanders & Small Business Reps



TACOM LCMC

MG Ms.
Michael Terry Marie Gapinski

HQ, Army Materiel Command

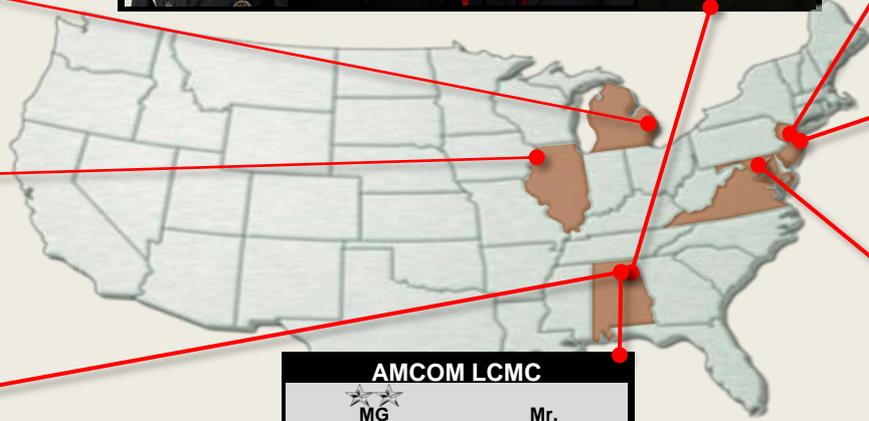
GEN LTG Mr. Ms.
Dennis L. Via Patricia McQuiston John B. Nerger Nancy D. Small

JMC/JM&L LCMC

BG Mr.
Kristin French Eric Bankit

ASC

MG Mr.
John Wharton Robert Matthys



CECOM LCMC

MG Mr.
Robert Ferrell Kenyata Wesley

ACC

BG Ms.
Theodore Harrison Alice Williams

AMCOM LCMC

MG Mr.
Lynn Collyar Tim Kirkpatrick

RDECOM

Mr. Mr.
Dale Ormond John O'Brien



U.S. ARMY

What We Do



Munitions Support



Chem Demil



Foreign Military Sales



Forward Support



Arsenal/Depot Operations

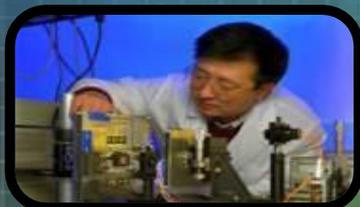
- 73,400 Military & Civilian Employees Worldwide
- Impacts in -
 - 50 States
 - 145 Countries
- 71 Bn/Bde Commands
- 73 DOLs Worldwide



Global Contracting



Directorate of Logistics (DOL)



Science and Technology Research and Development



Global Distribution and Deployment



Army's Materiel Management Center



Army Pre-Positioned Stocks (APS)



LOGCAP

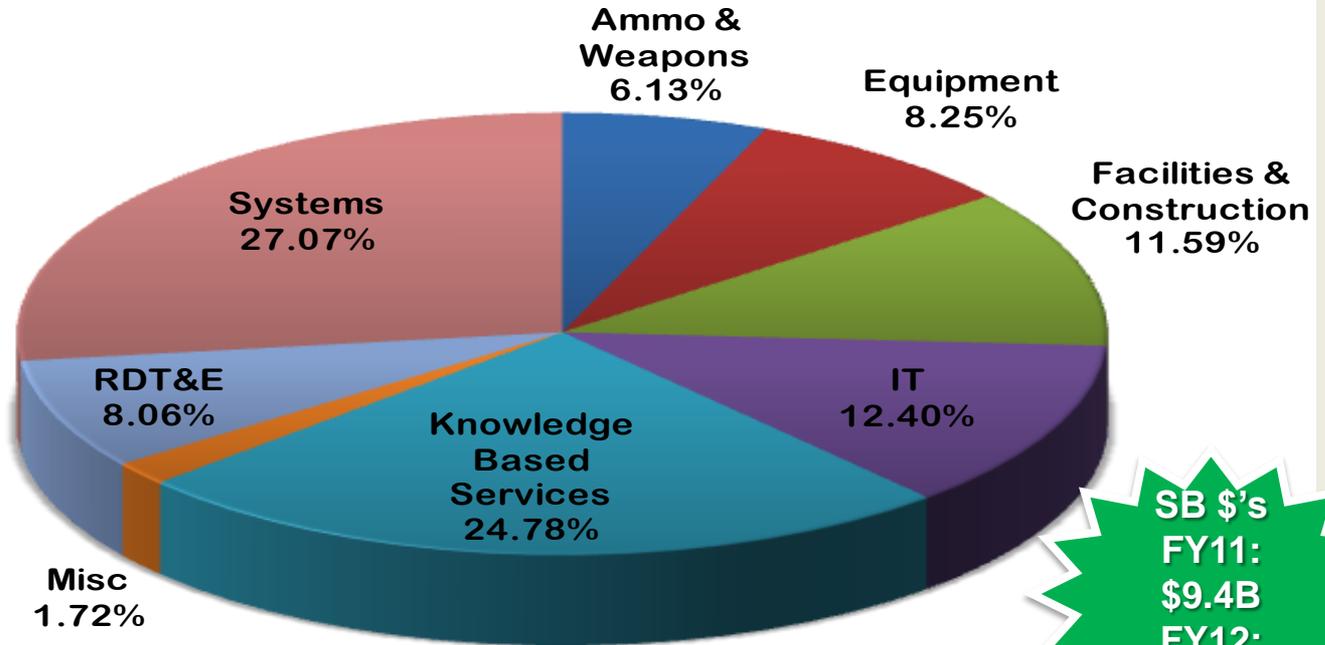


What AMC Procures



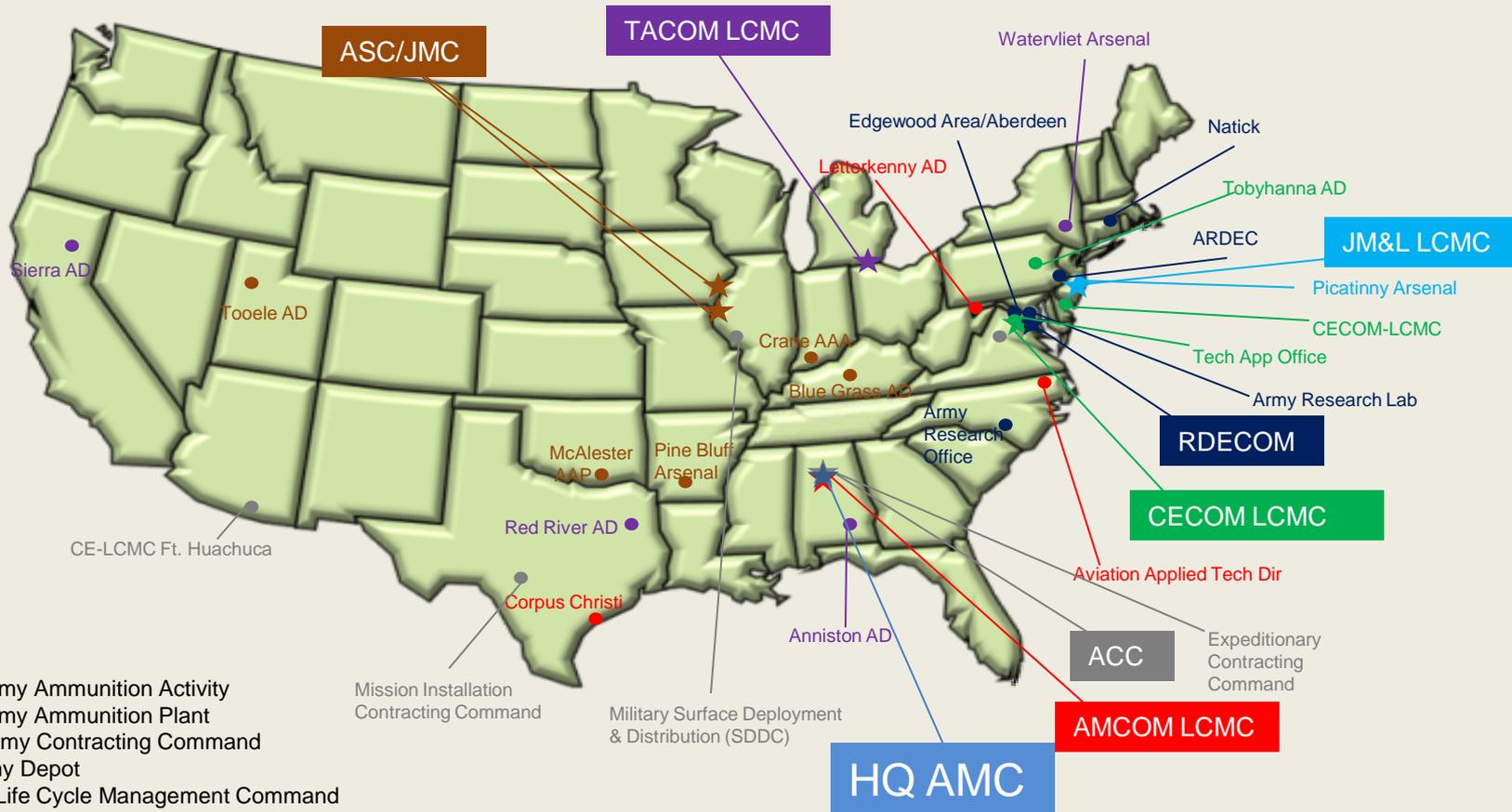
FY11:
245,958
Actions
\$61.3B

FY12:
228,197
Actions
\$54.1B



SB \$'s
FY11:
\$9.4B
FY12:
\$10.1B

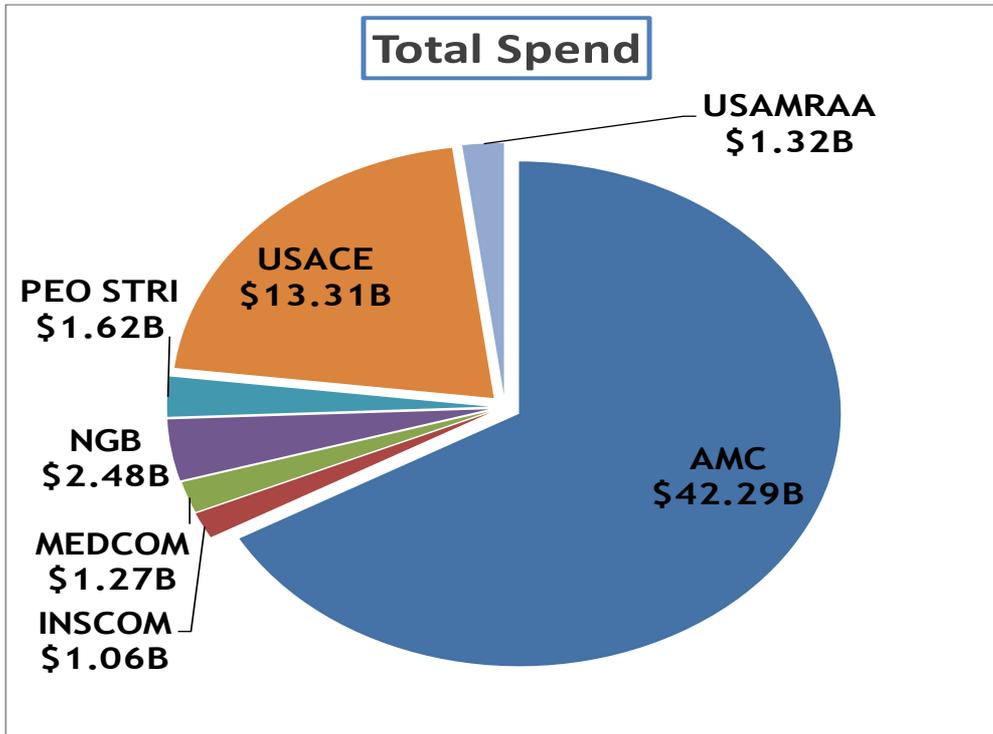
AMC Small Business Offices



AAA – Army Ammunition Activity
 AAP – Army Ammunition Plant
 ACC – Army Contracting Command
 AD – Army Depot
 LCMC – Life Cycle Management Command



FY13 Army Small Business Program



- Army Materiel Command (AMC)
- US Army Corps of Engineers (USACE)
- Program Executive Office, Simulation, Training & Instrumentation (PEO-STRI)
- National Guard Bureau (NGB)
- Army Medical Command (MEDCOM)
- Intelligence & Security Command (INSCOM)
- US Army Medical Research Acquisition Activity (USAMRAA)

*FY13 data is preliminary and has not yet been verified by the SBA

Data Source: FPDS-NG Small Business Achievements by Awarding Organization Report, 2013OCT07

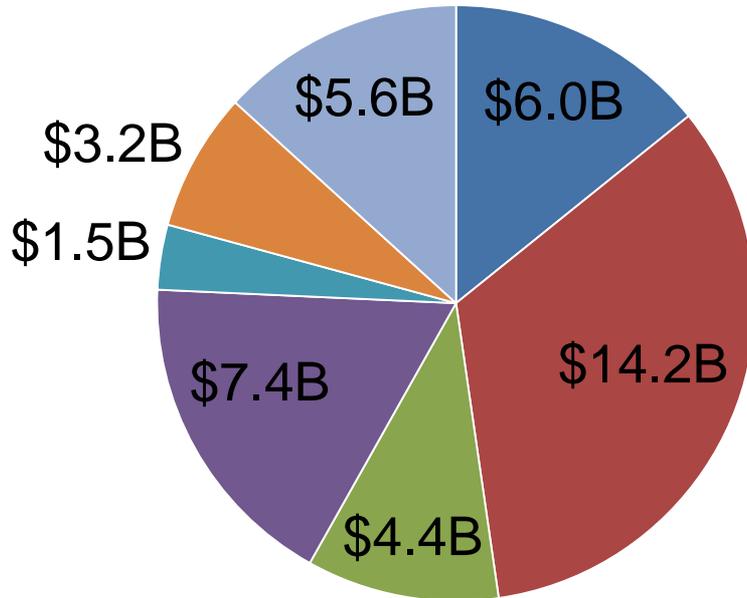
Spend by Army Command



FY13 AMC Small Business Program



Total AMC US Spend - \$42.29B



-  Army Contracting Command (ACC)
-  Aviation & Missile Life Cycle Management Command (AMCOM LCMC)
-  Army Sustainment Command (ASC)
-  **Communications & Electronics Life Cycle Management Command (CECOM LCMC)**
-  **Joint Munition & Lethality Life Cycle Management Command (JM&L LCMC)**
-  **Research, Development & Engineering Command (RDECOM)**

Tank & Automotive Life Cycle Management Command (TACOM LCMC)

*FY13 data is preliminary and has not yet been verified by the SBA
Data Source: FPDS-NG 2013OCT07

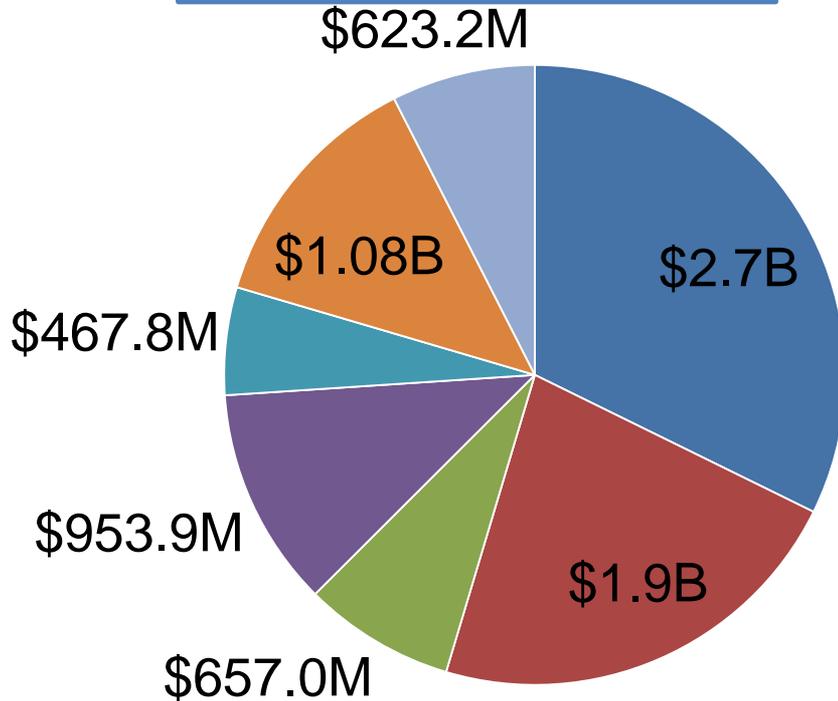
Spend by AMC Subordinate Command



FY13 AMC Small Business Program



Small Business - \$8.3B



-  Army Contracting Command (ACC)
-  Aviation & Missile Life Cycle Management Command (AMCOM LCMC)
-  Army Sustainment Command (ASC)
-  **Communications & Electronics Life Cycle Management Command (CECOM LCMC)**
-  **Joint Munition & Lethality Life Cycle Management Command (JM&L LCMC)**
-  **Research, Development & Engineering Command (RDECOM)**

Tank & Automotive Life Cycle Management Command (TACOM LCMC)

*FY13 data is preliminary and has not yet been verified by the SBA
Data Source: FPDS-NG 2013OCT07

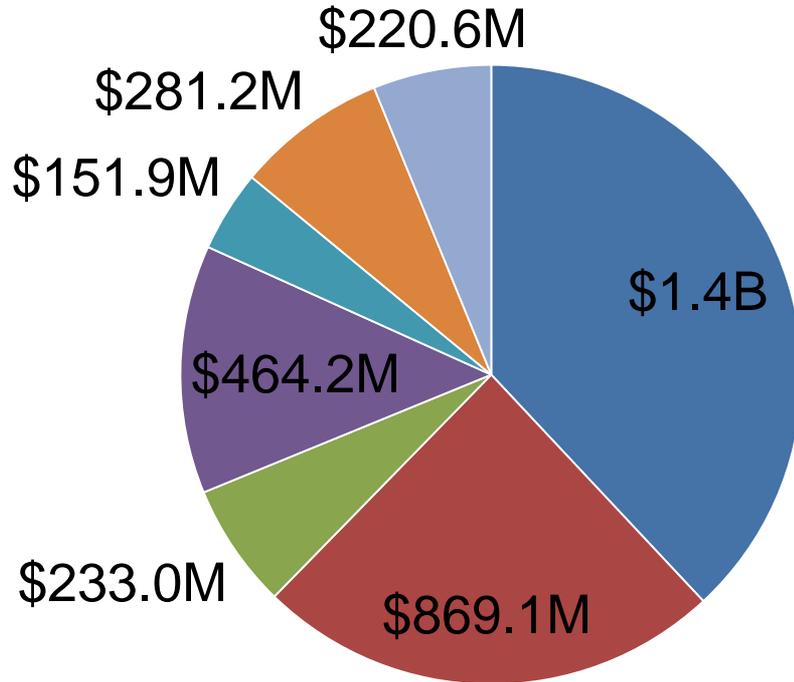
Spend by AMC Subordinate Command



FY13 AMC Small Business Program



Small Disadvantaged Business
\$3.6B



-  Army Contracting Command (ACC)
-  Aviation & Missile Life Cycle Management Command (AMCOM LCMC)
-  Army Sustainment Command (ASC)
-  **Communications & Electronics Life Cycle Management Command (CECOM LCMC)**
-  **Joint Munition & Lethality Life Cycle Management Command (JM&L LCMC)**
-  **Research, Development & Engineering Command (RDECOM)**

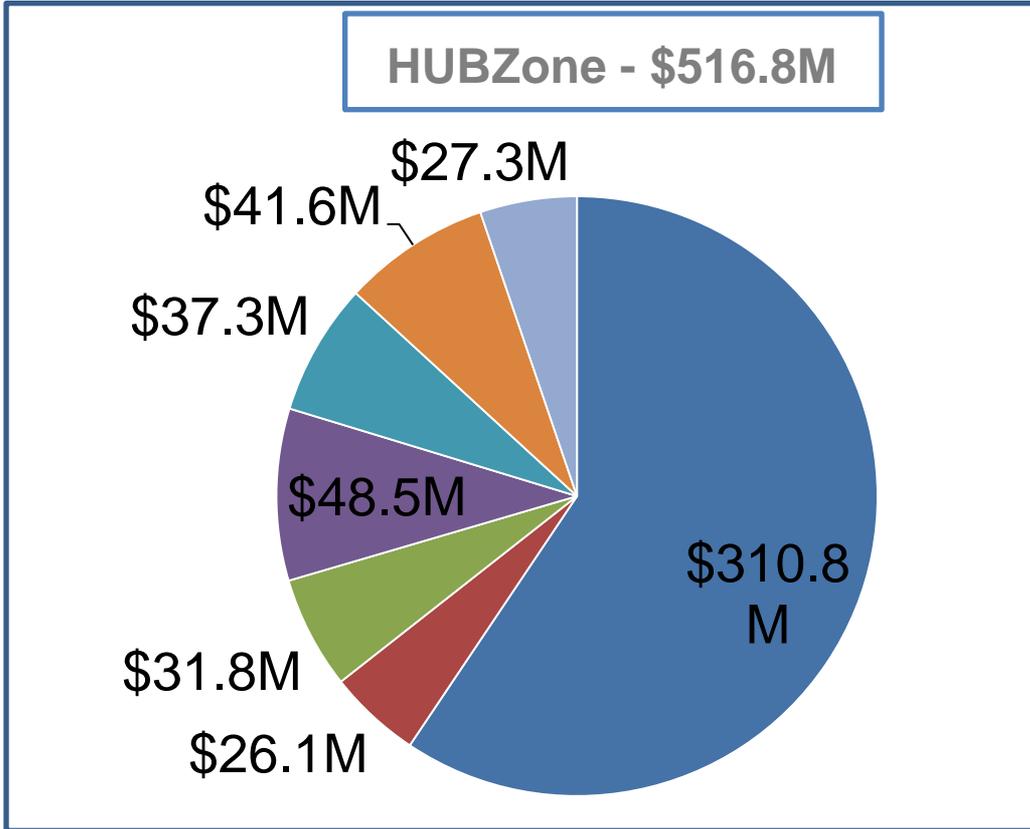
Tank & Automotive Life Cycle Management Command (TACOM LCMC)

*FY13 data is preliminary and has not yet been verified by the SBA
Data Source: FPDS-NG 2013OCT07

Spend by AMC Subordinate Command



FY13 AMC Small Business Program



-  Army Contracting Command (ACC)
-  Aviation & Missile Life Cycle Management Command (AMCOM LCMC)
-  Army Sustainment Command (ASC)
-  **Communications & Electronics Life Cycle Management Command (CECOM LCMC)**
-  **Joint Munition & Lethality Life Cycle Management Command (JM&L LCMC)**
-  **Research, Development & Engineering Command (RDECOM)**

Tank & Automotive Life Cycle Management Command (TACOM LCMC)

*FY13 data is preliminary and has not yet been verified by the SBA
Data Source: FPDS-NG 2013OCT07

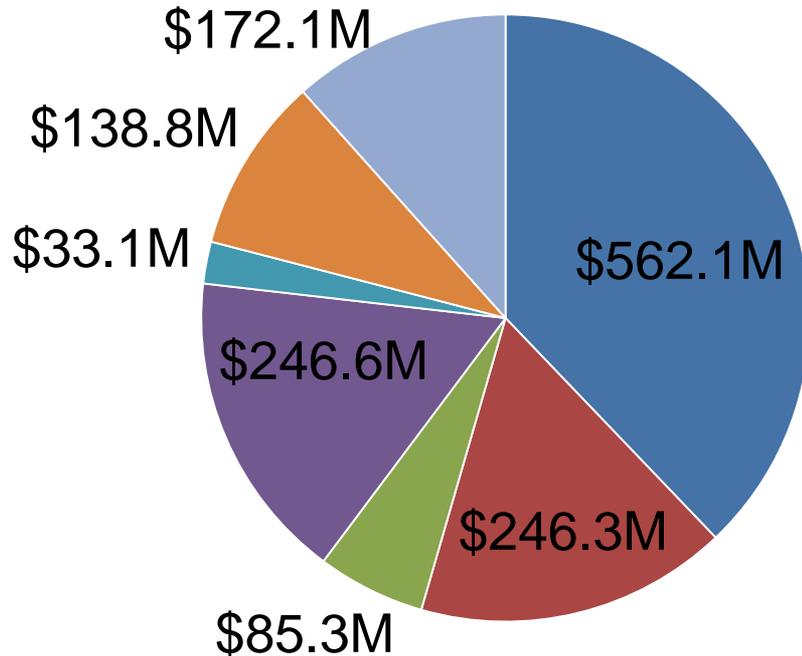
Spend by AMC Subordinate Command



FY13 AMC Small Business Program



Woman Owned Small Business \$1.5B



-  Army Contracting Command (ACC)
-  Aviation & Missile Life Cycle Management Command (AMCOM LCMC)
-  Army Sustainment Command (ASC)
-  **Communications & Electronics Life Cycle Management Command (CECOM LCMC)**
-  **Joint Munition & Lethality Life Cycle Management Command (JM&L LCMC)**
-  **Research, Development & Engineering Command (RDECOM)**
-  Tank & Automotive Life Cycle Management Command (TACOM LCMC)

*FY13 data is preliminary and has not yet been verified by the SBA
Data Source: FPDS-NG 2013OCT07

Tank & Automotive Life Cycle Management Command (TACOM LCMC)

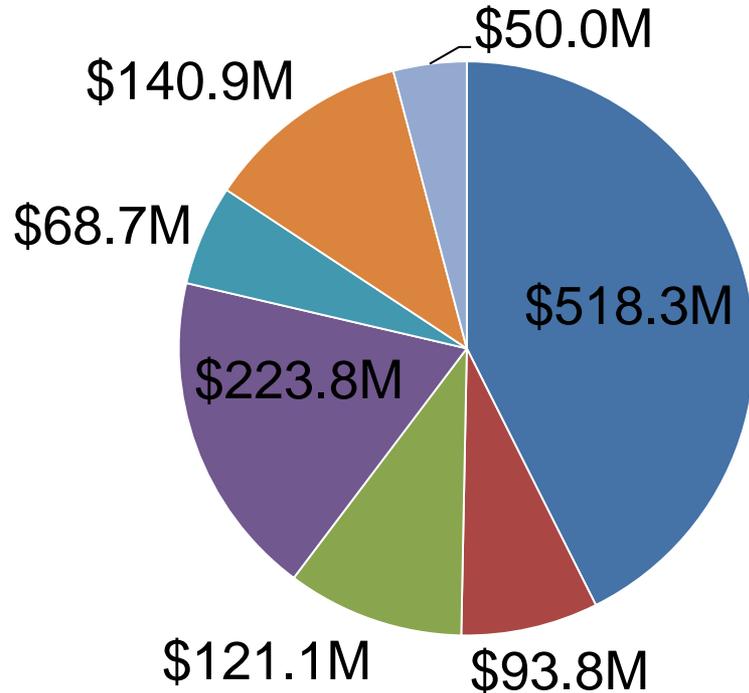
Spend by AMC Subordinate Command



FY13 AMC Small Business Program



Service Disabled Veteran Owned Small Business - \$1.2B



-  Army Contracting Command (ACC)
-  Aviation & Missile Life Cycle Management Command (AMCOM LCMC)
-  Army Sustainment Command (ASC)
-  **Communications & Electronics Life Cycle Management Command (CECOM LCMC)**
-  **Joint Munition & Lethality Life Cycle Management Command (JM&L LCMC)**
-  **Research, Development & Engineering Command (RDECOM)**
-  Tank & Automotive Life Cycle Management Command (TACOM LCMC)

*FY13 data is preliminary and has not yet been verified by the SBA
Data Source: FPDS-NG 2013OCT07

Spend by AMC Subordinate Command



U.S. ARMY



Top 10 Army Small Business NAICS Codes

NAICS Code	NAICS Description	FY13* Small Business Dollars
236220	COMMERCIAL AND INSTITUTIONAL BUILDING CONSTRUCTION	\$693,536,052
541330	ENGINEERING SERVICES	\$285,060,586
541712	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY)	\$199,879,517
561210	FACILITIES SUPPORT SERVICES	\$199,302,956
237990	OTHER HEAVY AND CIVIL ENGINEERING CONSTRUCTION	\$147,234,883
541512	COMPUTER SYSTEMS DESIGN SERVICES	\$115,685,944
541611	ADMINISTRATIVE MANAGEMENT AND GENERAL MANAGEMENT CONSULTING SERVICES	\$112,820,426
236210	INDUSTRIAL BUILDING CONSTRUCTION	\$96,175,323
541519	OTHER COMPUTER RELATED SERVICES	\$94,579,496
562910	REMEDICATION SERVICES	\$90,112,164

*FY13 data is preliminary and has not yet been verified by the SBA

Data Source: FPDS-NG Small Business Achievements by Awarding Organization Report, 2013OCT15



U.S. ARMY



DoD-Wide Acquisition of Services Taxonomy

Research and Development

- Systems Development
- Operational Systems Development
- Technology Base
- Commercialization

* Knowledge Based Services

- Engineering and Technical Services
- Program Management Services
- Management Support Services
- Administrative & Other Services
- Professional Services
- Education & Training

Logistics Management Services

- Logistics Civil Augmentation Program
- Logistics Support Services

* Electronic & Communication Services

- IT Services
- Telecom Services
- Equipment Maintenance
- Equipment Leases

Equipment Related Services

- Maintenance, Repair and Overhaul
- Equipment Modification
- Installation of Equipment
- Quality Control
- Technical Representative Services
- Purchases & Leases
- Salvage Services

Medical Services

- General Medical Services
- Dentistry Services
- Specialty Medical Services

* Facility Related Services

- Architect/Engineering Services
- Operation of Government-Owned Facilities
- Machinery & Equipment Maintenance
- Building & Plant Maintenance
- Natural Resources Management
- Utilities
- Housekeeping & Social Services
- Purchases & Leases

Construction Services

- Structures & Facilities
- Conservation & Development Facilities
- Restoration Activities

Transportation Services

- Transportation of Things
- Transportation of People
- Other Travel & Relocation Services

9 Services Portfolio Groups, 40 Services Portfolios

AMC FY13 Goal
40.58%

*Goaled by DoD



Science & Technology Opportunities



- Cooperative Research and Development Agreement (CRADA)
- Small Business Innovation Research (SBIR) / Small Business Technology Transfer (STTR)
- Test Service Agreements (TSA)

FY-2014 Schedule for SBIR/STTR Solicitation			
Solicitation	Pre-Release	Open	Close
DoD SBIR 2014.1	20 Nov 2013	20 Dec 2013	22 Jan 2014
DoD STTR 2014.A	3 Feb 2014	5 Mar 2014	9 Apr 2014
DoD SBIR 2014.2	23 Apr 2014	23 May 2014	25 Jun 2014
DoD SBIR 2014.3	21 Aug 2014	22 Sep 2014	22 Oct 2014
DoD STTR 2014.B	21 Aug 2014	22 Sep 2014	22 Oct 2014



TEAM REDSTONE SMALL BUSINESS INDUSTRY OUTREACH

FEBRUARY 18, 2014
(Tentative)





Office of Small Business Programs



HQ AMC – Redstone Arsenal, AL

Ms. Nancy D. Small, Director
 Ms. Amanda Linville, Program Manager
 Mr. Lance Wiltshire, Management Analyst

ACC HQ – Redstone Arsenal , AL
Alice Williams, Associate Director
 Email:

Alice.M.Williams101.civ@mail.mil

AMCOM – Redstone Arsenal, AL
Mr. Tim Kirkpatrick, Associate Director
 Email:

Timothy.R.Kirkpatrick6.civ@mail.mil

ASC – Rock Island, IL

Mr. Robert Matthys, Associate Director
 Email: Robert.J.Matthys.civ@mail.mil

CECOM – Aberdeen Proving Ground, MD

Mr. Kenyata Wesley, Associate Director
 Email: Kenyata.L.Wesley2.civ@mail.mil

JM&L – Picatinny, NJ

Mr. Eric Bankit, Associate Director
 Email: Eric.J.Bankit.civ@mail.mil

RDECOM – Aberdeen Proving Ground, MD

Mr. John O'Brien, Associate Director
 Email: John.J.Obrien122.civ@mail.mil

TACOM – Warren, MI

Ms. Marie Gapinski, Associate Director
 Email: Marie.T.Gapinski.civ@mail.mil

Email: usarmy.redstone.usamc.mbx.small-business

Website: <http://www.amc.army.mil/pa/SMALLBUSINESS.asp>

Phone: 256-450-7953

How to Reach US



*AMC & small businesses.....
working together to support
America's warfighters*

*“Small Business is Big Business and at
AMC – We are OPEN for Business”*

AMC is OPEN for Business



Welcome To the 2nd Annual

**Team Aberdeen Proving Ground
Advanced Planning
Briefing for Industry**

“Where Innovation Thrives”

December 4, 2013