Advanced Planning Briefing to Industry
September 2011

Randolph Laye
Deputy Director
Engineering Directorate
Edgewood Chemical Biological Center, RDECOM

Kent Schmitz
Acting Director
Chemical Biological Defense Product Support Integration Directorate, TACOM LCMC
CB Defense Science & Technology

DETECTION

INFORMATION SYSTEMS

PROTECTION

DECONTAMINATION

- REDUCED RISKS
- SUCCESSFUL DEVELOPMENT
Technical Readiness Assessment (TRA) Strategy

- **DoD Development**
- **Non DoD Development**
- **Commercial Development**

**Performance**

**Maturity**

**Suitability**

**Supportability**

**TRL Assignment/Assessment**

**Independent Report**

- **System Dev & Demo Phase**
- **Technology Dev Phase**

**TRAs** — Process to determine Technology Readiness

- **Technology Readiness Evaluation (TRE)** – the event/test in the TRA Process

- **Outcome** – Technology Transition or Technology Development

- **TRL** - Technology Readiness Level
TRE/TRA Payback Benefits

• **What Contractors Get:**
  – Chance to Test Their System at Government Sponsored Facility
  – Independent Snapshot Assessment of Maturity
  – TRL Assignment and Summary Report on System Performance
  – Assistance in Determining Technical Voids
  – TRE Test Report to JPEO CBD and JPMs

• **What Government Gets:**
  – Technology Applications for Insertion
  – Awareness of Vendors with Mature Systems
  – Potential Reduction of Acquisition Risk
  – Meeting Warfighter Requirements
# TREs Planned in 2011 and 2012

<table>
<thead>
<tr>
<th>TRE TITLE</th>
<th>PURPOSE</th>
<th>DRAFT SCHEDULE</th>
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</thead>
<tbody>
<tr>
<td>Chemical Biological Detection System (CBDS)</td>
<td>Evaluate four (4) vendor-supplied sensor candidates for detection capability against chemical and biological threats</td>
<td>Technology Evaluation Report due 1QFY12</td>
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<tr>
<td>Joint Biological Tactical Detection System (JBTDS)</td>
<td>Evaluate Biological Detection Technology candidates.</td>
<td>Tests planned in FY12 TRA planned for 1QFY13</td>
</tr>
</tbody>
</table>

POINT OF CONTACT FOR TREs: Dan Nowak, daniel.m.nowak.civ@mail.mil
CBR Technology Evaluation Branch, ECBC, 410-436-5631 or-6471,
Test Services Agreement (TSA)

Through formal agreements, ECBC tests technologies and equipment at its facilities for other government and private industry.

- Authorized under 10 USC Sec 2539b
- Tests are performed for a fee
- Cannot compete unduly with private sector
- All data remains property of company/individual paying for test

Points Of Contact For TSAs:
Diane Freeman, ECBC-RI; (309) 782-5404, diane.r.freeman.civ@mail.mil
Tracey Kelly, ECBC-EA; (410) 436-4438, tracey.l.kelly.civ@mail.mil
ECBC (EA) Test Facility

A robust testing capability supporting all phases of the acquisition cycle to include applied research; development to provide CB “non medical” systems for protection, detection and decontamination; production and sustainment; and novel requirements. Services provided are focused on basic and applied research on new and emerging threats, and complement Department of Army developmental testing capabilities.
ECBC (RI) Test Facility

ISO 9000-2008 Certified Testing
- Production
- First Article
- Environmental
- Packaging
- Containers
- MILSPEC

- Magnetic Particle
- Dye Penetration
- Ultrasonic
- HAZMAT
- UN POP
Lab Performance Certification Program

- **TYPES OF TESTING**
  - Agent and Simulant Testing
  - Physical Properties Testing

- **APPLICATION**
  - Production Lot Acceptance
  - Shelf-Life Surveillance

- **CERTIFICATION CRITERIA**
  - Equipment capable of performing test, or as specified
  - Calibration current and verifiable
  - Procedures in place and applied
  - Documentation maintained and available

Certifies COCO and Government Test Facilities for compliance with contract test requirements

- Ensure the validity of test results
- Enhance consistency of testing across multiple labs
- Assist in development of test capabilities
Industrial Base Program

**Mission**
Analytical and information technology services in assessing and mitigating risk in the Defense Industrial Base

**Goal**
To improve the visibility and agility of the Commercial and Organic Industrial Bases to ensure Warfighter sustainment capabilities are enhanced
Industrial Base Program

Enablers

- Mitigation of single sources of supply = competitive acquisition
- Acquisition program stability
- Industrial preparedness measures
  - Risk reduction
  - Obsolescence resolution
  - Reduction of foreign sources
- Manufacturing and Technology development investments

End State

A robust industrial base capable of meeting current and future DoD manufacturing and maintenance requirements
One Stop Shop for CBRN Information

Chem Bio Radiological Nuclear - Information Resource Center (CBRN-IRC)
Fax: 309-782-1919  Fax DSN: 793-1919
E-mail: cbrn@conus.army.mil
24/7 Support for the CBRN Community
# Points Of Contact

### Engineering Directorate, ECBC @ Edgewood

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
<th>Contact Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering Test Division Chief</td>
<td>Eugene L. Vickers, Sr.</td>
<td>Voice (410) 436-0807, <a href="mailto:Eugene.l.vickers@conus.army.mil">Eugene.l.vickers@conus.army.mil</a></td>
</tr>
<tr>
<td>Test, Reliability &amp; Evaluation Branch Chief</td>
<td>Do Nguyen</td>
<td>Voice (410) 436-4237, <a href="mailto:do.nguyen@conus.army.mil">do.nguyen@conus.army.mil</a></td>
</tr>
<tr>
<td>Applied Detection Technology Branch Chief</td>
<td>Terri Longworth</td>
<td>Voice (410) 436-8453, <a href="mailto:terri.longworth@conus.army.mil">terri.longworth@conus.army.mil</a></td>
</tr>
<tr>
<td>Protective Equipment Branch Chief</td>
<td>Mary McNally</td>
<td>Voice (410) 436-4796, <a href="mailto:mary.f.mcnally@conus.army.mil">mary.f.mcnally@conus.army.mil</a></td>
</tr>
<tr>
<td>Engineering Test Division Test Manager</td>
<td>Frank DiPietro</td>
<td>Voice (410) 436-2780, <a href="mailto:frank.dipietro@conus.army.mil">frank.dipietro@conus.army.mil</a></td>
</tr>
<tr>
<td>Environmental &amp; Field Branch Chief</td>
<td>Audrey Moberly (Acting)</td>
<td>Voice (410) 436-2743, <a href="mailto:audrey.mobley@conus.army.mil">audrey.mobley@conus.army.mil</a></td>
</tr>
<tr>
<td>Protection Factor/Hazardous Materiel Branch Chief</td>
<td>Alex Pappas</td>
<td>Voice (410) 436-3338, <a href="mailto:alex.pappas@conus.army.mil">alex.pappas@conus.army.mil</a></td>
</tr>
<tr>
<td>Permeation &amp; Analytical Solutions Branch Chief</td>
<td>Brian Maclver</td>
<td>Voice (410) 436-5919, <a href="mailto:brian.maciver@conus.army.mil">brian.maciver@conus.army.mil</a></td>
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### Engineering Directorate, ECBC @ RIA

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<tbody>
<tr>
<td>Site Manager, Rock Island Arsenal, IL</td>
<td>Nan Ramsey</td>
<td>Voice: (309) 782-5632, <a href="mailto:nan.ramsey@conus.army.mil">nan.ramsey@conus.army.mil</a></td>
</tr>
</tbody>
</table>
TACOM-SBC ILSC
JPEO & ECBC Partnership

One Team Committed to Warfighter’s

Chemical / Biological Defense
PSID*
*Part of TACOM + TACOM Acquisition

Acquisition Logistics Sustainment Readiness Engineering

Edgewood Chemical Biological Center* (ECBC)
*Part of RDECOM
Projected Totals for FY12-16

- Decontamination $41,600,000
- Contamination Avoidance $19,625,775
- Collective Protection $91,587,100
- Individual Protection $82,758,387
- Biological Detection $53,869,350
- Consequence Management $6,457,640

**TOTAL** $295,898,252
## Biological Detection

### FY12-16

<table>
<thead>
<tr>
<th>NSN</th>
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<th>Current unit price</th>
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<tbody>
<tr>
<td>6665-01-523-3927</td>
<td>COLLECT, PARTICULATE 1000</td>
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<td>$11,732.00</td>
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## Biological Detection (Cont’d)
### FY12-16

<table>
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<tr>
<th>NSN</th>
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<tbody>
<tr>
<td>2540-01-561-8190</td>
<td>LADDER, VEHICLE BOARD</td>
<td>$725.00</td>
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<td>HOSE ASSY, NONMETALLIC</td>
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<td>4720-01-562-3485</td>
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# Contamination Avoidance

**FY12-16**

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<th>NSN</th>
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<tr>
<td>6665-01-333-3631</td>
<td>Battery Assembly</td>
<td>$64.07</td>
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<td>6665-01-466-9096</td>
<td>M34A1 SAMPLING KIT, CBR AGENT</td>
<td>$490.00</td>
<td>220</td>
<td>$107,800</td>
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<tr>
<td>6665-00-050-8529</td>
<td>M8 PAPER</td>
<td>$0.97</td>
<td>244,000</td>
<td>$139,680</td>
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<tr>
<td>6665-01-226-5589</td>
<td>M9 PAPER</td>
<td>$5.96</td>
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<td>$1,490,000</td>
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<td>6665-01-563-7473</td>
<td>M256A2 CHEMICAL DETECTOR KIT</td>
<td>$66.48</td>
<td>90,000</td>
<td>$5,983,200</td>
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<tr>
<td>6665-01-463-4278</td>
<td>M18A3 DETECTOR KIT</td>
<td>$681.00</td>
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<td>$980,640</td>
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<td>6665-01-134-0885</td>
<td>M272 WATER TEST KIT</td>
<td>$396.00</td>
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<td>3990-01-204-3009</td>
<td>CARGO STRAP</td>
<td>$19.31</td>
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**SUBTOTAL**  

$19,625,775.38
## Collective Protection
**FY12-16**

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<td>4240-00-807-6856</td>
<td>M3 HEATER</td>
<td>$220.00</td>
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<td>4240-01-363-1311</td>
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<td>4240-01-026-3112</td>
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<td>4240-01-365-0982</td>
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<td>4240-00-866-1825</td>
<td>M19 PARTICULATE FILTER</td>
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<td>4240-01-330-7806</td>
<td>M20A1 SCPE</td>
<td>$17,539.00</td>
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<td>4240-01-369-6533</td>
<td>M98 FILTER SET</td>
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<td>4240-01-312-9146</td>
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<td>4240-01-363-1310</td>
<td>M23 Gas Filter</td>
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## Individual Protection

**FY12-16**

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<td>8465-01-513-8276</td>
<td>BAG, SUIT</td>
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<td>$31,110</td>
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<td>4240-01-390-3057</td>
<td>SKULL CAP HEAD HARNESS</td>
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<td>4240-01-399-3349</td>
<td>M40 CARRIER</td>
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<td>4240-01-260-8706</td>
<td>NEUTRAL OUTSERTS</td>
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<td>4240-01-399-3350</td>
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<td><strong>$82,758,387</strong></td>
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**SUBTOTAL**                    |                                    |                   |                         | **$41,600,000**                        |
## Consequence Management
### FY12-16

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<td>COTS</td>
<td>INCIDENT MANAGEMENT SYSTEM</td>
<td>$9,454</td>
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<td>$1,512,640</td>
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<tr>
<td>COTS</td>
<td>LEVEL A/B/C SUITS</td>
<td>$1,400</td>
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<td>$1,434,000</td>
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<td>COTS</td>
<td>ARMY FEM MAXIMO LICENSE FEES</td>
<td>$2,800</td>
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<td>$939,000</td>
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<td>COTS</td>
<td>TELEPHONE ALERT SYSTEM SERVICE AGREEMENT</td>
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<td>$1,968,000</td>
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<td>COTS</td>
<td>GIANT VOICE SYSTEM SERVICE AGREEMENTS</td>
<td>$4,026</td>
<td>150</td>
<td>$604,000</td>
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<td><strong>SUBTOTAL</strong></td>
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<td><strong>$6,457,640</strong></td>
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