TACOM-LCMC/RDECOM-ECBC

Advanced Planning Briefing to Industry
April 2007

Alvin D. Thornton
Deputy Director
Engineering Directorate
Edgewood Chemical Biological Center, RDECOM

Raymond Muskeyvalley,
Director
Chemical Biological Defense Product Support Integrated Directorate, TACOM LCMC
TACOM-LCMC, RDECOM-ECBC & JPEO PARTNERSHIP

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

JPEO-CBD

Acquisition
Logistics
Sustainment
Readiness
Engineering

Edgewood Chemical Biological Center* (ECBC)
*Part of RDECOM

One Team Committed to Warfighter’s
Chemical Biological Sustainment
Projected Funding

Fiscal Year

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>FY 07</th>
<th>FY 08</th>
<th>FY 09</th>
<th>FY10</th>
<th>FY 11</th>
<th>FY 12</th>
<th>FY 13</th>
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<tbody>
<tr>
<td></td>
<td>125</td>
<td>91</td>
<td>98</td>
<td>101</td>
<td>104</td>
<td>107</td>
<td>110</td>
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</table>

(in millions)

Based on current funding guidance
<table>
<thead>
<tr>
<th>Category</th>
<th>Projected Total</th>
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<tbody>
<tr>
<td>Decon</td>
<td>$113,948,607</td>
</tr>
<tr>
<td>Alarms/Detectors/Smoke</td>
<td>$6,400,963</td>
</tr>
<tr>
<td>Collective Protection</td>
<td>$46,270,669</td>
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<tr>
<td>Individual Protection</td>
<td>$116,461,796</td>
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# Decontamination

<table>
<thead>
<tr>
<th>NSN</th>
<th>Nomenclature</th>
<th>Projected Unit Price</th>
<th>QTY FY08-FY13</th>
<th>Forecasted Value</th>
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</thead>
<tbody>
<tr>
<td>5430-01-543-0155</td>
<td>Tank, Fabric, Collapsible</td>
<td>$1,832</td>
<td>3,850</td>
<td>$7,053,200</td>
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<tr>
<td>6685-01-292-5248</td>
<td>Manometer, Capillary</td>
<td>$1,813</td>
<td>430</td>
<td>$779,590</td>
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<tr>
<td>1095-01-295-1825</td>
<td>Box, Accessories</td>
<td>$436</td>
<td>1,450</td>
<td>$632,200</td>
</tr>
<tr>
<td>4320-01-288-6736</td>
<td>Pump, Rotary</td>
<td>$1,741</td>
<td>372</td>
<td>$647,652</td>
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<tr>
<td>4810-01-293-3457</td>
<td>Valve, Solenoid</td>
<td>$284</td>
<td>2,275</td>
<td>$646,100</td>
</tr>
<tr>
<td>4720-01-293-5466</td>
<td>Hose Assembly, N</td>
<td>$200</td>
<td>3,450</td>
<td>$690,000</td>
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<tr>
<td>4230-01-293-3353</td>
<td>Water Inlet, Assembly</td>
<td>$1,811</td>
<td>230</td>
<td>$416,530</td>
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<tr>
<td>6850-01-276-1905</td>
<td>M291 Skin Decon Kit</td>
<td>$337</td>
<td>184,500</td>
<td>$62,176,500</td>
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<tr>
<td>6850-01-357-8456</td>
<td>M295 Eqpmt. Decon Kits</td>
<td>$354.40</td>
<td>85,000</td>
<td>$30,124,000</td>
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<tr>
<td>6810-01-448-4895</td>
<td>XE555 Decon Powder</td>
<td>$35.81</td>
<td>154,500</td>
<td>$5,532,645</td>
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<tr>
<td>4230-01-466-9095</td>
<td>M100 Sorbent Decon</td>
<td>$30.25</td>
<td>173,560</td>
<td>$5,250,190</td>
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## Alarms/Detectors/Smoke

<table>
<thead>
<tr>
<th>NSN</th>
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<th>Projected Unit Price</th>
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</thead>
<tbody>
<tr>
<td>6665-01-475-3860</td>
<td>Repair Kit Sieve</td>
<td>$103.40</td>
<td>14,000</td>
<td>$1,447,600</td>
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<tr>
<td>5998-99-513-2815</td>
<td>Display Film</td>
<td>$705</td>
<td>280</td>
<td>$197,400</td>
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<tr>
<td>6665-00-859-2215</td>
<td>Alarm Kit</td>
<td>$248.26</td>
<td>6,814</td>
<td>$1,691,644</td>
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<tr>
<td>6680-99-431-9687</td>
<td>Meter, Flow Rate</td>
<td>$324.69</td>
<td>210</td>
<td>$68,185</td>
</tr>
<tr>
<td>6665-01-380-8449</td>
<td>Drift Module</td>
<td>$2,534.57</td>
<td>1,050</td>
<td>$2,661,299</td>
</tr>
<tr>
<td>6665-01-380-1680</td>
<td>Sieve Pkg Assy- ACADA</td>
<td>$318.89</td>
<td>1,050</td>
<td>$334,835</td>
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</table>
## Collective Protection

<table>
<thead>
<tr>
<th>NSN</th>
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</tr>
</thead>
<tbody>
<tr>
<td>4240-01-535-7589</td>
<td>Liner Package, Shelter</td>
<td>$6,306</td>
<td>659</td>
<td>$4,155,654</td>
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<tr>
<td>4240-01-535-7588</td>
<td>Liner Package, 4 Way</td>
<td>$6,306</td>
<td>352</td>
<td>$2,219,712</td>
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<tr>
<td>4240-01-536-0356</td>
<td>Liner Package, Vestibule</td>
<td>$5,801</td>
<td>275</td>
<td>$1,595,275</td>
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<tr>
<td>4230-01-530-3254</td>
<td>FFA 400 Retrofit Kit</td>
<td>$4,303.70</td>
<td>599</td>
<td>$2,577,916</td>
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<tr>
<td>4240-00-807-6856</td>
<td>M3 Heater</td>
<td>$123</td>
<td>14,083</td>
<td>$1,732,209</td>
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<tr>
<td>4240-01-330-7806</td>
<td>M20A1 SCPE</td>
<td>$15,030.47</td>
<td>1,907</td>
<td>$28,663,106</td>
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<tr>
<td>4240-01-518-4765</td>
<td>M98 Filter (Gas)</td>
<td>$903</td>
<td>5,899</td>
<td>$5,326,797</td>
</tr>
</tbody>
</table>
# Individual Protection

<table>
<thead>
<tr>
<th>NSN</th>
<th>Nomenclature</th>
<th>Projected Unit Price</th>
<th>QTY FY08-FY13</th>
<th>Forecasted Value</th>
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</thead>
<tbody>
<tr>
<td>4240-01-361-1319</td>
<td>C2A1 Canister</td>
<td>$11.80</td>
<td>5,280,000</td>
<td>$62,304,000</td>
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<tr>
<td>4240-01-376-1382</td>
<td>Canister Carrier</td>
<td>$27.90</td>
<td>55,206</td>
<td>$1,540,247</td>
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<tr>
<td>4240-01-399-3349</td>
<td>M40 Carrier</td>
<td>$13.42</td>
<td>455,900</td>
<td>$6,118,178</td>
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<tr>
<td>4730-01-391-8461</td>
<td>CHQD</td>
<td>$6</td>
<td>259,000</td>
<td>$1,554,000</td>
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<tr>
<td>4240-01-415-4517</td>
<td>Facepiece, Small</td>
<td>$136</td>
<td>49,120</td>
<td>$6,680,320</td>
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<tr>
<td>4240-01-415-4518</td>
<td>Facepiece, Medium</td>
<td>$131</td>
<td>144,100</td>
<td>$18,877,100</td>
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<tr>
<td>4240-01-416-0430</td>
<td>Facepiece, Large</td>
<td>$131</td>
<td>40,000</td>
<td>$5,240,000</td>
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<tr>
<td>4240-01-260-8707</td>
<td>Clear Outserts</td>
<td>$13.23</td>
<td>659,248</td>
<td>$8,721,851</td>
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<tr>
<td>4240-01-260-8706</td>
<td>Neutral Outserts</td>
<td>$12.92</td>
<td>331,000</td>
<td>$4,276,520</td>
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<tr>
<td>4240-00-377-9401</td>
<td>M1 Waterproof Bag</td>
<td>$2.29</td>
<td>502,000</td>
<td>$1,149,580</td>
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</table>
**Technical Readiness Assessment (TRA)**

**Technology Readiness Evaluation (TRE)**

**Strategy**

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

**Performance**

**Maturity**

**Suitability**

**Supportability**

**TRL Assignment/Assessment**

**System Dev & Demo Phase**

**Independent Report**

**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
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
  – Assists in Determining Technical Voids
  – TRE Test Report to JPEO CBD and JPMs

• **What Government Gets:**
  – Technology Applications for Insertion
  – Knowledge of Vendors with Mature Systems
  – Potential Reduction of Acquisition Risk
  – Meeting User Requirements
## TREs Planned in 2007 AND 2008

<table>
<thead>
<tr>
<th>TRE TITLE</th>
<th>PURPOSE</th>
<th>DRAFT SCHEDULE</th>
</tr>
</thead>
</table>

**POINT OF CONTACT FOR TREs:** Dan Nowak, daniel.nowak@us.army.mil
CB Technology Evaluation Team, 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:
Bill Meyer, ECBC-RI; (309) 782-5404, william.r.meyer@us.army.mil
Ronald Hinkle, ECBC-EA; (410) 436-2031, ron.hinkle@us.army.mil
ECBC (EA) Test Facilities

EXPLOSIVES / TOXIC CHAMBERS

AEROSOL CHAMBER

GAS & HIGH EFFICIENCY PARTICULATE AIR (HEPA) FILTERS TEST FACILITY

STATIC CHALLENGE CHAMBER

HARSH CONDITIONING TESTING

CLIMATIC TESTING

PROTECTION FACTOR FACILITY E5604 - RESPIRATOR FIT TEST

PROTECTIVE EQUIPMENT LABORATORY

ECBC

JPE®-CBD

One Team. Committed to Warfighter’s

ILSC
ECBC (RI) Test Facility

ISO 9000-2001 Certified Testing
- X-Ray
- Magnetic Particle
- Dye Penetration
- Ultrasonic
- HAZMAT
- UN POP
- Production
- First Article
- Environmental
- Packaging
- Containers
- MILSPEC
POINTS OF CONTACT

ENGINEERING DIRECTORATE, ECBC @ Edgewood

Engineering Test Group Leader
Ronald P. Pojunas, P.E.
Voice (410) 436-5596
Ronald.pojunas@us.army.mil

Protective Equipment Team Leader
Mary Drummond
Voice (410) 436-4796
mary.drummond@us.army.mil

Test, Reliability & Evaluation Team Leader
Do Nguyen
Voice (410) 436-4237
Do.nguyen@us.army.mil

Environmental & Field Team Leader
Chris Myers
Voice (410) 436-3508
christopher.d.myers@us.army.mil

Applied Test Team Leader
Mike Gooden
Voice (410) 436-2801
Michael.gooden@us.army.mil

Protection Factor/Hazardous Materiel Leader
Alex Pappas
Voice (410) 436-3338
alex.pappas@us.army.mil

ENGINEERING DIRECTORATE, ECBC @ RIA

Site Manager, Rock Island Arsenal, IL
Larry Light
Voice: (309) 782-2103
larry.j.light@us.army.mil
QA Lab Certification and Agent Testing

Certifies COCO and Government Test Facilities for compliance with contract test requirements, specifications, procedures, equipment set up, and calibration

- Reviews test procedures and equipment used at COCO and Government facilities to perform acceptance testing.
  - Calibration
  - Test set up
  - Control of processes, procedures, equipment
  - Technical support for E&T EA for test set up
- Deviations are submitted to QA for approval.
- Maintains a database of certification status & certification due dates.
- Provides the customer costs associated with each item tested
Industrial Base Program
Government & Industry

**The RDECOM IB Program**
R&D organization that has the engineering and scientific expertise needed to meet the requirements of an ever increasing technological industrial base

**Public-Private Relationship**
The primary focus of the relationship between the technology industry and the U.S. military must be promoting innovation through collaboration.
Industrial Base Program
- Building the Base

**GOAL** – “A robust Industrial Base capable of meeting current and future DoD production and maintenance requirements.”

**THRU** -
- Increased funding to build base
- Mitigating single sources of supply
- Reducing reliance on foreign sources
- Systems engineering – Design/Configuration
- Capitalize on technology enhancements
- Promoting industry stability
- Maintaining government R&D investment
- Solving obsolescence