



# 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**



**TRA**

**PROTECTION**



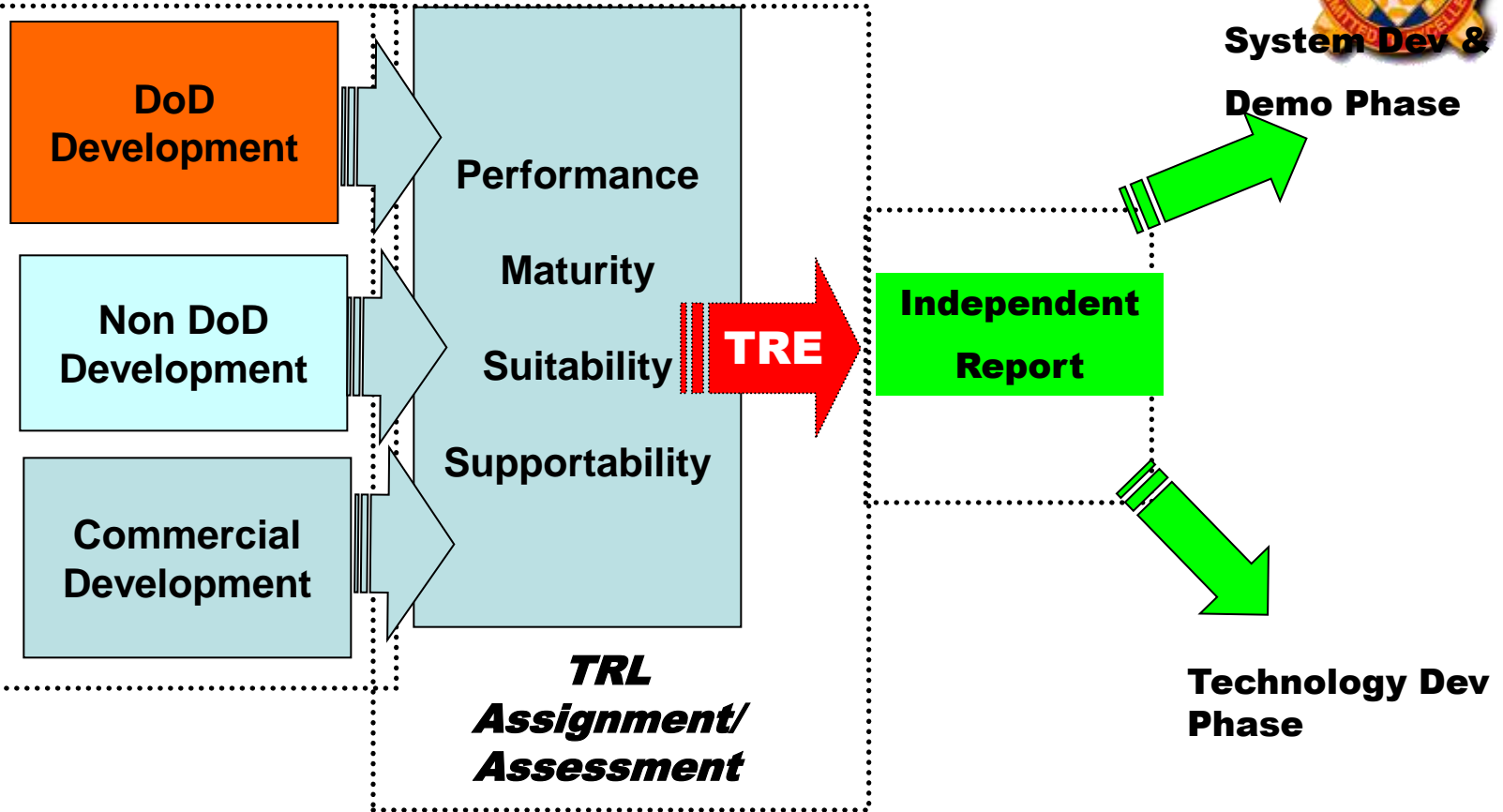
**DECONTAMINATION**



➤ **REDUCED RISKS**  
➤ **SUCCESSFUL DEVELOPMENT**



# Technical Readiness Assessment (TRA) Strategy



- **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




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

**POINT OF CONTACT FOR TREs:** Dan Nowak, [daniel.m.nowak.civ@mail.mil](mailto: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](mailto:diane.r.freeman.civ@mail.mil)

Tracey Kelly, ECBC-EA; (410) 436-4438, [tracey.l.kelly.civ@mail.mil](mailto:tracey.l.kelly.civ@mail.mil)

6

# 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.



ASTM & DoD Military Standard 810



Detector Kits,  
Portable & Lab-  
based



Material Permeation/  
Penetration



Adsorbent & Filters



Large Scale Toxic/Explosives



Respirator Systems & Components



# ECBC (RI) Test Facility



**ISO 9000-2008 Certified Testing**

- Magnetic Particle
- Dye Penetration
- Ultrasonic
- HAZMAT
- UN POP
- Production
- First Article
- Environmental
- Packaging
- Containers
- MILSPEC







# Lab Performance Certification Program

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

- **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

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



# Industrial Base Program

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## 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



10





# Industrial Base Program

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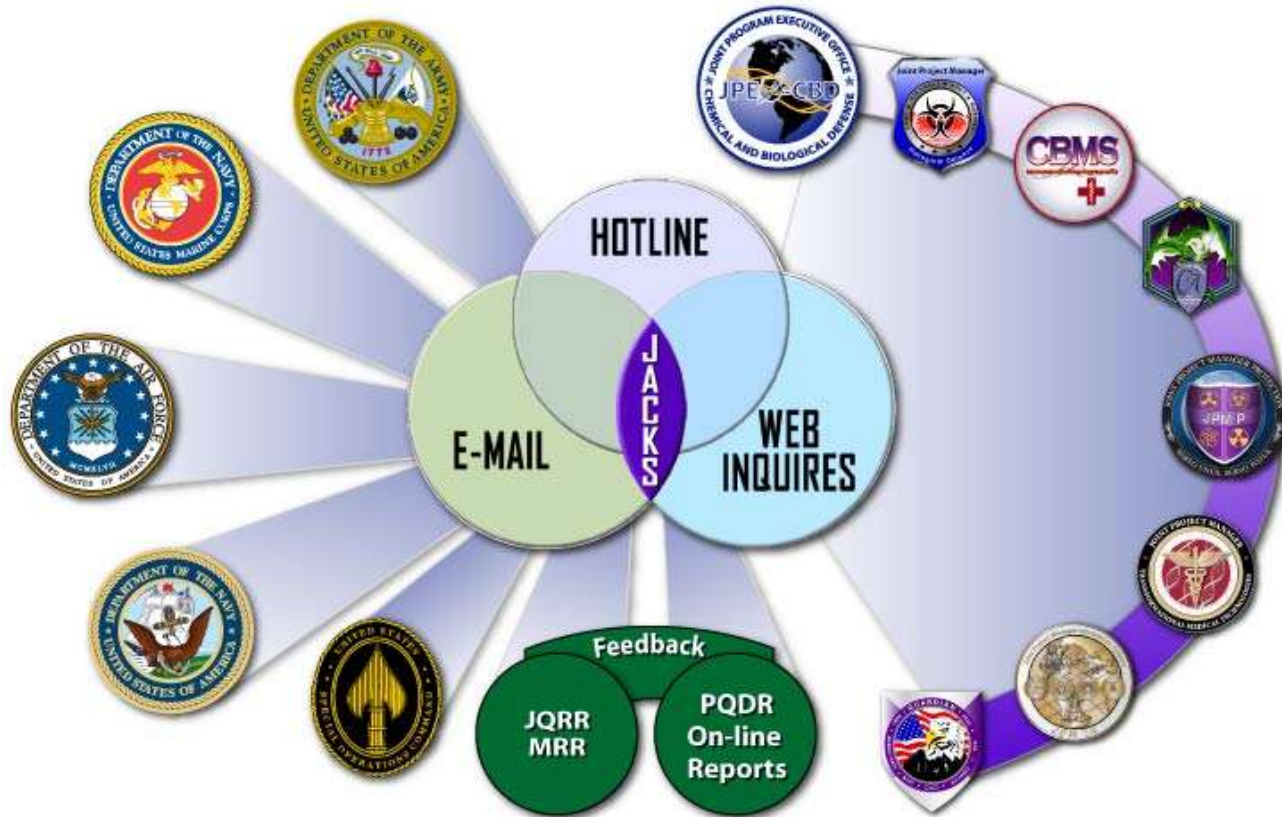
## Enablers

- 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)

Toll Free: 800-831-4408 Commercial: 309-782-7349 DSN: 793-7349

Fax: 309-782-1919 Fax DSN: 793-1919

E-mail: [cbrn@conus.army.mil](mailto:cbrn@conus.army.mil)

**24/7 Support for the CBRN Community**

12



# Points Of Contact



## Engineering Directorate, ECBC @ Edgewood

**Engineering Test Division Chief**  
Eugene L. Vickers, Sr.  
Voice (410) 436-0807  
Eugene.l.vickers@conus.army.mil

**Engineering Test Division Test Manager**  
Frank DiPietro  
Voice (410) 436-2780  
frank.dipietro@conus.army.mil

**Test, Reliability & Evaluation Branch Chief**  
Do Nguyen  
Voice (410) 436-4237  
do.nguyen@conus.army.mil

**Environmental & Field Branch Chief**  
Audrey Moberly (Acting)  
Voice (410) 436-2743  
audrey.mobley@conus.army.mil

**Applied Detection Technology Branch Chief**  
Terri Longworth  
Voice (410) 436-8453  
terri.longworth@conus.army.mil

**Protection Factor/Hazardous Materiel Branch Chief**  
Alex Pappas  
Voice (410) 436-3338  
alex.pappas@conus.army.mil

**Protective Equipment Branch Chief**  
Mary McNally  
Voice (410) 436-4796  
mary.f.mcnally@conus.army.mil

**Permeation & Analytical Solutions Branch Chief**  
Brian MacIver  
Voice (410) 436-5919  
brian.maciver@conus.army.mil

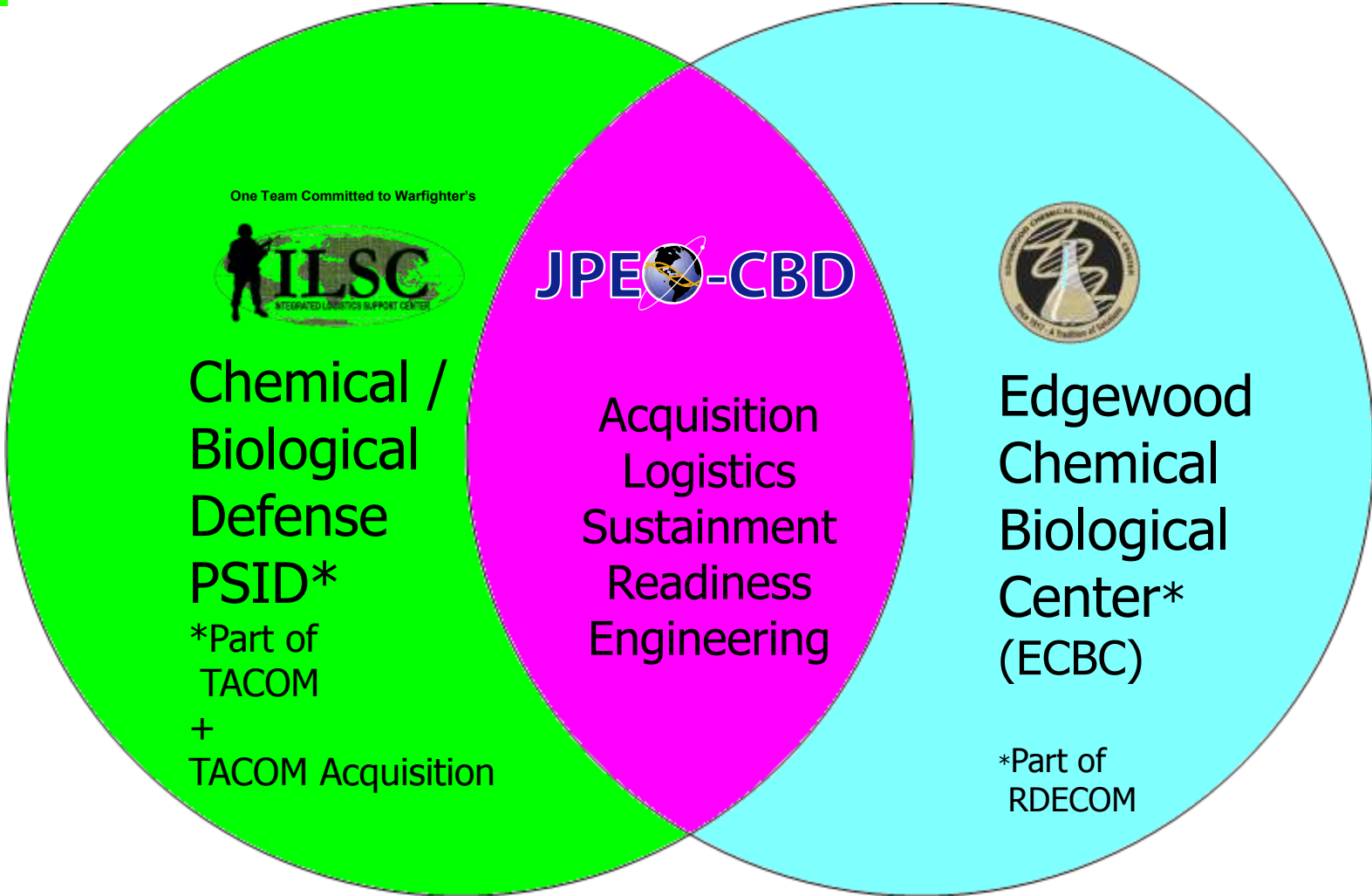
## Engineering Directorate, ECBC @ RIA

**Site Manager, Rock Island Arsenal, IL**  
Nan Ramsey  
Voice: (309) 782-5632  
nan.ramsey@conus.army.mil





# TACOM-SBC ILSC JPEO & ECBC Partnership





# 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



NSN	NOUN	Current unit price	Total forecast for item	Projected cost= price X total forecast
6665-01-523-3927	COLLECT, PARTICULATE 1000	\$2,205.00	800	\$1,764,000
6665-01-523-3926	COLLECT, PARTICULATE 2000	\$4,158.00	663	\$2,756,754
6665-01-528-9280	IDENTIFIER ASSEMBLY	\$57,717.00	60	\$3,463,020
6665-01-560-7921	INDENTIFIER ASSEMBLY SHIP	\$71,919.00	24	\$1,726,056
6665-01-528-9281	COLLECTOR ASSEMBLY	\$18,897.00	62	\$1,171,614
6665-01-528-9282	FLUID TRANSFER SYSTEM	\$24,981.00	60	\$1,498,860
6665-01-543-0165	LCS COMPUTER	\$9,536.00	62	\$591,232
6665-01-528-9283	JBPDS CONTROL ASSEMBLY	\$16,835.00	60	\$1,010,100
6665-01-554-0754	BAWS 4+ ASSEMBLY	\$89,667.00	60	\$5,380,020
6130-01-540-7916	POWER PACK, SHELTER	\$19,603	30	\$588,090
6665-01-565-7438	POWER PACK, SHIP	\$19,024	20	\$380,480
6665-01-494-8725	BIOLOGICAL SAMPLING KIT	\$822.00	5340	\$3,511,584
6665-01-521-7871	PAR CARRIER ASSEMBLY	\$11,923.00	1830	\$17,455,272
6665-01-526-4780	CARRIER BOX ASSEMBLY	\$6,901.00	130	\$717,704
6665-01-525-7008	CARRIER BOX ASSEMBLY	\$5,613.00	310	\$1,392,024
6665-01-525-7009	CARRIER BOX ASSEMBLY	\$12,365.00	602	\$5,959,930
6665-01-541-8943	CARRIER BOX ASSEMBLY	\$11,732.00	336	\$3,153,561



# Biological Detection (Cont'd)

## FY12-16



NSN	NOUN	Current unit price	Total forecast for item	Projected cost= price X total forecast
2540-01-561-8190	LADDER, VEHICLE BOARD	\$725.00	78	\$56,550
5985-01-562-5902	ANTENNA	\$1,103.00	100	\$110,300
4720-01-562-3484	HOSE ASSY, NONMETALLIC	\$320.00	98	\$31,360
4720-01-562-3485	HOSE ASSY, NONMETALLIC	\$308.00	98	\$30,184
4720-01-563-0149	HOSE NONMETALLIC	\$450.00	254	\$114,300
6150-01-561-8174	CABLE ASSEMBLY	\$350.00	39	\$13,650
6685-01-562-4359	PROBE, HUMIDITY-TEMP	\$8,645.00	110	\$950,950
6130-01-566-4115	POWER SUPPLY ASSEMBLY	\$2,087.75	20	\$41,755
<b>SUBTOTAL</b>				<b>\$53,869,350</b>



# Contamination Avoidance FY12-16



NSN	NOUN	Current unit price	Total forecast for item	Projected cost= price X total forecast
6665-01-333-3631	Battery Assembly	\$64.07	1134	\$72,655.38
6665-01-466-9096	M34A1 SAMPLING KIT, CBR AGENT	\$490.00	220	\$107,800
6665-00-050-8529	M8 PAPER	\$0.97	244,000	\$139,680
6665-01-226-5589	M9 PAPER	\$5.96	250,000	\$1,490,000
6665-01-563-7473	M256A2 CHEMICAL DETECTOR KIT	\$66.48	90,000	\$5,983,200
6665-01-463-4278	M18A3 DETECTOR KIT	\$681.00	1440	\$980,640
6665-01-134-0885	M272 WATER TEST KIT	\$396.00	2,160	\$855,360
3990-01-204-3009	CARGO STRAP	\$19.31	517,682	\$9,996,440
<b>SUBTOTAL</b>				<b>\$19,625,775.38</b>



# Collective Protection FY12-16



NSN	NOUN	Current unit price	Total forecast for item	Projected cost= price X total forecast
4240-00-807-6856	M3 HEATER	\$220.00	15,000	\$3,300,000
4240-01-363-1311	M48A1 GAS PART F.	\$857.00	10,000	\$8,570,000
4240-01-026-3112	M1A1-19 PRECLEANER	\$813.00	10,000	\$8,130,000
4240-01-365-0982	M18A1 GAS FILTER	\$354.00	10,000	\$3,540,000
4240-00-866-1825	M19 PARTICULATE FILTER	\$87.60	6,000	\$525,600
4240-01-330-7806	M20A1 SCPE	\$17,539.00	1686	\$29,570,754
4240-01-369-6533	M98 FILTER SET	\$1,160.00	50,000	\$58,000,000
4240-01-518-4765	M98 FILTER (GAS)	\$890.00	6,000	\$5,340,000
4250-01-366-6243	HSFC	\$2,474.00	500	\$1,237,000
4240-01-312-9146	M49 (GAS) 5 Trays	\$7,200	500	\$3,600,000
4240-01-363-1310	M23 Gas Filter	\$1,163	500	\$581,500
<b>SUBTOTAL</b>			108,500	<b>\$91,587,100</b>



# Individual Protection FY12-16



NSN	NOUN	Current unit price	Total forecast for item	Projected cost= price X total forecast
8465-01-513-8276	BAG, SUIT	\$39.38	790	\$31,110
4240-01-390-3057	SKULL CAP HEAD HARNESS	\$10.87	11,603	\$126,124
4240-01-399-3349	M40 CARRIER	\$15.34	506,442	\$7,768,820
4240-01-260-8706	NEUTRAL OUTSERTS	\$17.14	736,404	\$12,621,964
4240-01-260-8707	CLEAR OUTSERTS	\$16.85	915,865	\$15,432,325
4240-01-361-1319	C2A1 CANISTER	\$12.64	1,848,504	\$23,365,090
4240-01-376-1382	CANISTER CARRIER	\$55.77	117,589	\$6,557,938
4240-01-399-3350	M42 CARRIER	\$16.13	81,457	\$1,313,901
4240-01-413-1540	USS SMALL	\$18.34	167,044	\$3,063,586
4240-01-413-1543	USS M/L	\$19.19	248,217	\$4,763,284
4720-01-515-9261	M42 HOSE	\$30.87	91,400	\$2,821,518
4820-01-260-8703	NOSECUP VALVE DISK	\$6.04	125,897	\$760,417
4820-01-502-7372	OUTLET VALVE DISK	\$5.19	47,949	\$248,855
5965-01-414-2257	M42 MICROPHONE	\$26.05	149,077	\$3,883,455
<b>SUBTOTAL</b>				<b>\$82,758,387</b>



# Decontamination

## FY 12-16



NSN	NOUN	Current unit price	Total forecast for item	Projected cost= price X total forecast
6850-01-357-8456	M295 Decon	\$320	80,000	\$25,600,000
4230-01-466-9095	M100 SORBENT DECON	\$80.00	200,000	\$16,000,000
<b>SUBTOTAL</b>				<b>\$41,600,000</b>



# Consequence Management FY12-16



NSN	NOUN	Current unit price	Total forecast for item	Projected cost= price X total forecast
COTS	INCIDENT MANAGEMENT SYSTEM	\$9,454	160	\$1,512,640
COTS	LEVEL A/B/C SUITS	\$1,400	1025	\$1,434,000
COTS	ARMY FEM MAXIMO LICENSE FEES	\$2,800	335	\$939,000
COTS	TELEPHONE ALERT SYSTEM SERVICE AGREEMENT	\$15,000	131	\$1,968,000
COTS	GIANT VOICE SYSTEM SERVICE AGREEMENTS	\$4,026	150	\$604,000
<b>SUBTOTAL</b>				<b>\$6,457,640</b>



## TACOM-SBC (RI) POC



Chemical/Biological, Product Support Integration Directorate  
(309) 782-2357, DSN: 793-2357

Division Chief for Contracting

(586) 282-6176, DSN: 786-6176

Joint Program Support Group

(586) 282-1629, DSN: 786-1629

CDE New Initiatives & Support Group

(586)282-1631, DSN: 786-1631

IP/ Smoke/Detectors Group

(586) 282-1622, DSN: 786-1622

Consequence Mgt, Decon & Col Pro Group

(586) 282-1620, DSN: 786-1620

