



# Advanced Planning Briefing to Industry

## September 2012

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



**Kent Schmitz**  
**Director**  
**Chemical Biological Defense**  
**Product Support Integration**  
**Directorate, TACOM LCMC**





# CB Defense Science & Technology



**DETECTION**



**INFORMATION SYSTEMS**



**TRA**

**PROTECTION**



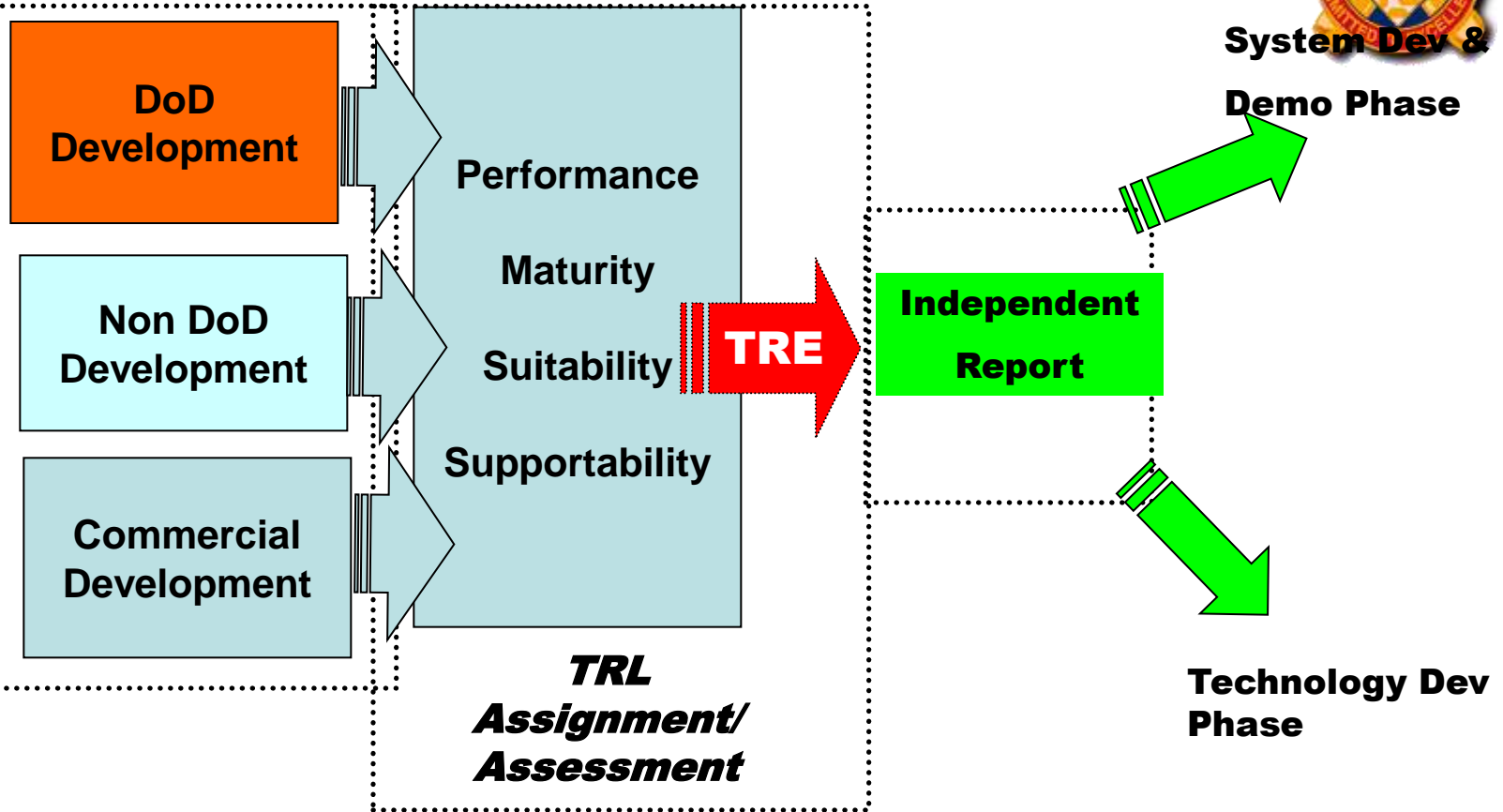
**DECONTAMINATION**



➤ **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 2012 and 2013




TRE TITLE	PURPOSE	DRAFT SCHEDULE
<b>Multi-Mission, Multi-Threat Detection (M3TD)</b>	<b>Evaluate vendor-supplied sensor candidates for detection capability against traditional and emerging chemical threats</b>	<b>Test planned 4QFY12 and 1QFY13 TRA planned for 2QFY13</b>
<b>Joint Biological Tactical Detection System (JBTDS)</b>	<b>Evaluate Biological Detection Technology candidates.</b>	<b>Tests planned in FY12 TRA planned for 1QFY13</b>

**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) 782-5138, [diane.m.freeman.civ@mail.mil](mailto:diane.m.freeman.civ@mail.mil)

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

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# 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 9001-2008 Certified Testing**

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







# 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



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# Industrial Base Program



## Enablers

- Decision support information systems
- Market research
  - Procurement package input
  - Industrial sector capabilities/Acquisition support
  - Obsolescence/new sources research
- Industrial preparedness measures
  - Risk mitigation
  - Army Supplier Risk Tracker Tool
  - Actionable recommendations
- Interagency partnerships



**A robust industrial base capable of meeting current and future Army 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 Fax: 309.782.1919  
DSN: 793.7349 FAX DSN 793-1919  
E-mail: [cbrn@conus.army.mil](mailto:cbrn@conus.army.mil)





# 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

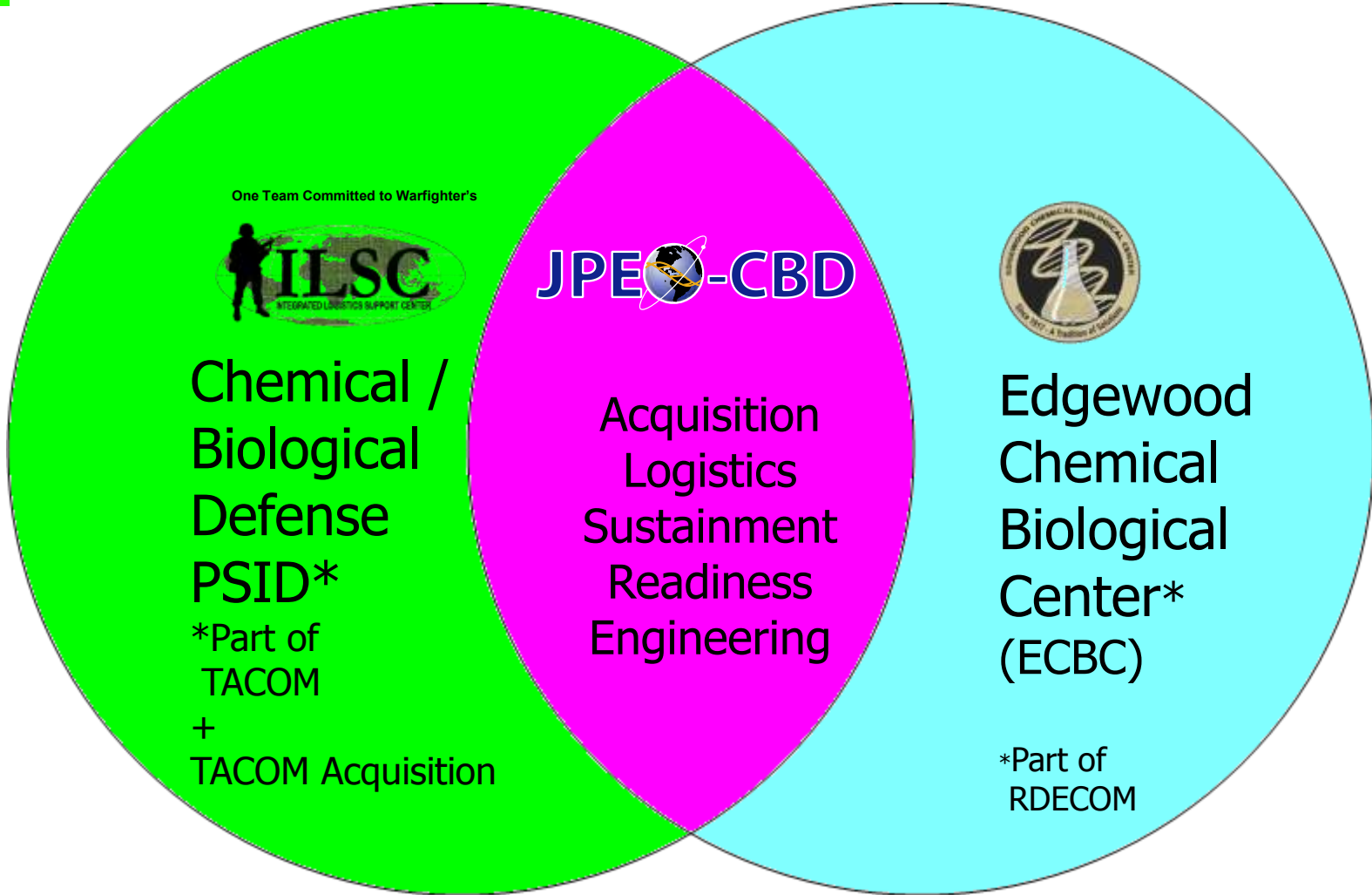
## Engineering Directorate, ECBC @ RIA

**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	\$ 49,560,000
• Contamination Avoidance	\$ 27,772,635.7
• Collective Protection	\$ 133,202,680
• Individual Protection	\$ 129,218,772
• Biological Detection	\$ 59,157,994
• Consequence Management	\$ 0

**TOTAL \$ 398,912,081.70**



# Biological Detection FY13-17



NSN	NOUN	Current unit price	Total forecast for item	Projected cost= price X total forecast
6665-01-528-9281	COLLECTOR ASSEMBLY	\$22,583.00	23	\$519,409
6665-01-528-9282	FLUID TRANSFER SYSTEM	\$28,948.00	17	\$492,116
6665-01-528-9283	JBPDS CONTROL ASSEMBLY	\$17,250.00	15	\$258,750
6665-01-554-0754	BAWS 4+ ASSEMBLY	\$91,876.00	10	\$918,760
6665-01-587-5420	LASER ASSEMBLY, BAWS	\$6,270.00	200	\$1,254,000
6665-01-494-8725	BIOLOGICAL SAMPLING KIT	\$828.00	4980	\$4,123,440
6665-01-521-7871	PAR CARRIER ASSEMBLY	\$12,001.00	2800	\$36,602,800
6665-01-526-4780	CARRIER BOX ASSEMBLY	\$676 .00	480	\$324,480
6665-01-525-7008	CARRIER BOX ASSEMBLY	\$5,649.00	300	\$1,694,700
6665-01-525-7009	CARRIER BOX ASSEMBLY	\$12,446.00	602	\$3,733,800
6665-01-541-8943	CARRIER BOX ASSEMBLY	\$11,808.00	720	\$8,501,760

# Biological Detection (Cont'd)

## FY13-17



NSN	NOUN	Current unit price	Total forecast for item	Projected cost= price X total forecast
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	84	\$37,800
6150-01-561-8174	CABLE ASSEMBLY	\$350.00	45	\$15,750
6685-01-562-4359	PROBE, HUMIDITY-TEMP	\$8,645.00	54	\$466,830
6130-01-566-4115	POWER SUPPLY ASSEMBLY	\$2,087.75	20	\$41,755
<b>SUBTOTAL</b>				<b>\$59,157,994</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	2268	\$145,310.76
6665-01-466-9096	M34A1 SAMPLING KIT, CBR AGENT	\$548.00	710	\$389,080
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
6150-01-562-3474	CABLE ASSEMBLY,SPEC	\$378.00	1820	\$687,960.00
1055-01-451-2285	INSTALLATION KIT,GR	\$701.56	737	\$517,050.00
6665-01-557-4010	COMMUNICATIONS ADAPTER	\$2,553.19	2350	\$6,000,000.00
9905-01-567-7295	CONTAMINATION SIGN KIT	\$923.00	350	\$323,050.00
6665-01-378-5414	SIMULATOR,DETECTOR	\$147.63	90	\$13,286.70
6665-01-568-0616	HAND HELD ASSAY	\$25.30	9000	\$227,658.00
6665-01-382-8576	CASE,FRONT END	\$146.00	48	\$7,008.00
6665-01-379-0492	SIMULATOR,DETECTOR	\$83.88	46	\$3,858.48
6665-01-384-0287	SEAL,NOZZLE	\$16.38	325	\$5,323.50
6665-01-382-0201	CAP BATTERY ASSEMBL	\$32.98	69	\$2,275.62
6640-01-565-0189	PIPETTE,LIQUID TRAN	\$0.59	400	\$160.76
6665-01-570-0292	FLAG,CONTAMINATION	\$4.44	60	\$266.34
6665-01-570-0291	FLAG,CONTAMINATION	\$4.44	120	\$532.68

# Contamination Avoidance cont.

## FY12-16



NSN	NOUN	Current unit price	Total forecast for item	Projected cost= price X total forecast
9905-01-568-7730	CARRIER,SIGN KIT	\$144.00	6	\$864.00
6665-01-570-1575	FLAG,CONTAMINATION	\$4.44	60	\$266.34
6665-01-570-1571	FLAG,CONTAMINATION	\$4.44	120	\$532.68
6665-01-570-0290	INSERT ASSEMBLY,FLA	\$30.00	15	\$450.00
5840-01-568-2882	STAKE INSERT ASSEMB	\$18.00	28	\$504.00
7510-01-568-9625	PAINT STICK,MARKING	\$3.14	48	\$150.48
8465-01-568-7731	FLAP,POUCH FIELD PA	\$14.38	18	\$258.84
7510-01-568-9637	MAST	\$10.25	100	\$1,025.00
5120-01-568-2885	AUGER,POSTHOLE,HAND	\$19.71	22	\$443.52
<b>SUBTOTAL</b>				<b>\$27,772,635.70</b>



# Collective Protection FY13-17



NSN	NOUN	Current unit price	Total forecast for item	Projected cost= price X total forecast
4240-00-807-6856	M3 HEATER	\$240.00	24,000	\$5,760,000
4240-01-363-1311	M48A1 GAS PART F.	\$1,004.00	10,000	\$10,040,000
4240-01-026-3112	M1A1-19 PRECLEANER	\$825.00	13,000	\$10,725,000
4240-01-365-0982	M18A1 GAS FILTER	\$363.00	22,000	\$7,986,000
4240-00-866-1825	M19 PARTICULATE FILTER	\$89.75	14,000	\$1,256,500
4240-00-368-6291	M13 Particulate Filter	\$114.00	3,700	\$421,800
4240-01-369-6533	M98 FILTER SET	\$1,222.00	50,000	\$61,100,000
4240-01-518-4765	M98 FILTER (GAS)	\$912.00	16,000	\$14,592,000
4250-01-366-6243	HSFC	\$2,534.00	100	\$253,400
4240-01-312-9146	M49 (GAS) 5 Trays	\$7,147	780	\$5,574,660
4240-01-363-1310	M23 Gas Filter	\$1,154	500	\$577,000
<b>SUBTOTAL</b>			154,080	<b>\$118,286,360</b>



# Collective Protection FY13-17



NSN	NOUN	Current unit price	Total forecast for item	Projected cost= price X total forecast
4240-01-332-2068	FILTER ELEMENT, GAS, RECIRCULATION	\$179.00	500	\$89,500
4230-01-579-1957	FAN FILTER ASSEMBLY	\$14,300.00	104	\$1,487,200
4820-01-541-1746	PRESSURE RELIEF VALVE	\$262.00	600	\$157,200
4240-00-868-7906	M2A2 Air Purifier	\$1,059.00	2,500	\$2,647,500
4240-01-231-6515	M93 GPFU	\$18,652.00	300	\$5,595,600
4240-01-541-8960	Lightweight Recirculating Filter	\$2,154.00	100	\$215,400
4240-01-234-8170	Centrifugal Fan	\$12,568.00	60	\$754,080
4240-00-763-2464	Gas Headpiece	\$95.62	7,000	\$669,340
4240-00-010-5267	M14 GPFU	\$2,617.00	1,100	\$2,878,700
4240-00-368-6291	M13 Particulate Filter	\$114.00	3,700	\$421,800
<b>SUBTOTAL</b>			15,964	<b>\$14,916,320</b>





# Individual Protection FY13-17 M40 Series Masks



NSN	NOUN	Current unit price	Total forecast for item	Projected cost= price X total forecast
4240-01-390-3057	M40/42 SKULL CAP HEAD HARNESS	\$10.87	9282	\$100,895
4240-01-399-3349	M40 CARRIER	\$15.34	108000	\$1,656,720
4240-01-260-8706	M40/42 NEUTRAL OUTSERTS	\$17.14	377,432	\$6,469,184
4240-01-260-8707	M40/42 CLEAR OUTSERTS	\$16.85	523,972	\$8,828,928
4240-01-361-1319	M40/42 C2A1 CANISTER	\$12.64	1,250,000	\$15,810,112
4240-01-376-1382	M42 CANISTER CARRIER	\$55.77	10,232	\$570,639
4240-01-413-1540	M40/42 USS SMALL	\$18.34	167,044	\$598,838
4240-01-413-1543	M40/42 USS M/L	\$19.19	248,217	\$2,213,605
4240-01-567-7289	M40/42 FAC E BLANK SMALL	\$82.20	138,000	\$11,343,600
4240-01-567-7291	M40/42 FAC E BLANK MEDIUM	\$85.87	378,000	\$32,458,860
4240-01-567-7287	M40/42 FAC E BLANK LARGE	\$78.31	84,000	\$6,578,040
4820-01-260-8703	M40/42 NOSECUP VALVE DISK	\$6.04	957,440	\$5,782,938
4820-01-502-7372	M40/42 OUTLET VALVE DISK	\$5.19	1,007,160	\$5,227,160
<b>SUBTOTAL</b>				<b>\$97,639,519</b>



# Individual Protection

## FY13-17 M50/MPU-6 Masks and AP-PPE



NSN	NOUN	Current unit price	Total forecast for item	Projected cost= price X total forecast
4820-01-528-9292	M50 SELF SEALING DISC VALVE	\$20.09	48,188	\$1,007,129
4240-01-529-2289	M61 CHEMICAL CANISTER	\$33.96	616,836	\$20,947,750
4240-01-529-9220	M50/53 VISION CORRECTION ASSEMBLY	\$3.94	232,440	\$915,813
4820-01-528-9291	M50 INLET/OUTLET DISK VALVE	\$9.02	26,808	\$241,808
4240-01-568-9631	MPU-6 FACEPLATE ASSEMBLY, MD	\$1,880	60	\$112,800
4240-01-568-9633	MPU-6 FACEPLATE ASSEMBLY, LG	\$1,880	30	\$56,400
4240-01-568-9638	MPU-6 FACEPLATE ASSEMBLY, XL	\$1,880	30	\$56,400
4240-01-568-9640	MPU-6 HOOD, RING ASSY SM	\$1,278	30	\$38,340
4240-01-568-9627	MPU-6 HOOD, RING ASSY MD	\$1,278	30	\$38,340
4240-01-568-9628	MPU-6 HOOD, RING ASSY LG	\$1,278	30	\$38,340
4240-01-568-9630	MPU-6 HOOD, RING ASSY XL	\$1,278	30	\$38,340
Bundled Procurement Action	AP-PPE SUIT – Real (comprised of 32 NSNs)	1260	2960	3,729,600
Bundled Procurement Action	AP-PPE SUIT – Trng (comprised of 32 NSNs)	640	2880	\$1,843,200
<b>SUBTOTAL</b>				<b>\$29,159,772</b>



# Individual Protection FY13-17 M53 Series Masks



NSN	NOUN	Current unit price	Total forecast for item	Projected cost= price X total forecast
5331-01-529-8369	O-RING	\$16.37	964 (10 Each)	\$15,780
4240-01-529-8323	PROTECTIVE HOOD (8 NSN's)	\$83.13	20,912	\$1,738,414
4240-001-528-9295	AMPLIFIER ADAPTER	\$46.74	4,592	\$214,630
4240-01-529-8338	FACEFORM	\$1.84	44,642	\$82,141
4240-01-528-9293	HEAD HARNESS	\$8.42	4,895	\$41,215
4240-01-529-8353	EXTERNAL DRINK TUBE ASSEMBLY	\$16.23	2823 (5 Each)	\$45,817
4240-01-529-9189	DRINK COUPLER	\$3.62	4,279	\$15,489
4330-01-530-1002	GASKET	\$1.07	1,599	\$1,710
7690-01-529-8336	OPERATOR CARDS	\$7.19	3,133	\$22,526
4820-01-530-1000	INLET DISC VALVE	\$41.15	3,554 (10 Each)	\$146,247
4240-01-529-8322	GENERAL PURPOSE FILTER	\$46.92	2,040	\$95,512
<b>SUBTOTAL</b>				<b>\$2,419,481</b>



# Decontamination

## FY 13-17



NSN	NOUN	Current unit price	Total forecast for item	Projected cost= price X total forecast
6850-01-357-8456	M295 Decon	\$300	75,000	\$22,500,000
4230-01-466-9095	M100 SORBENT DECON	\$75.00	300,000	\$22,500,000
6810-01-481-5380	A200 Sorbent Powder	\$19.00	240,000	\$4,560,000
<b>SUBTOTAL</b>				<b>\$49,560,000</b>



## TACOM-SBC (RI) POC



Chemical/Biological, Product Support Integration Directorate  
(586) 282-1620, DSN: 786-1620

R&D Services Contracting Division

(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) 282-1619, DSN: 786-1619

