



Advanced Planning Briefing to Industry August 2010

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CB Defense Science & Technology



DETECTION



INFORMATION SYSTEMS



TRA

COLLECTIVE PROTECTION

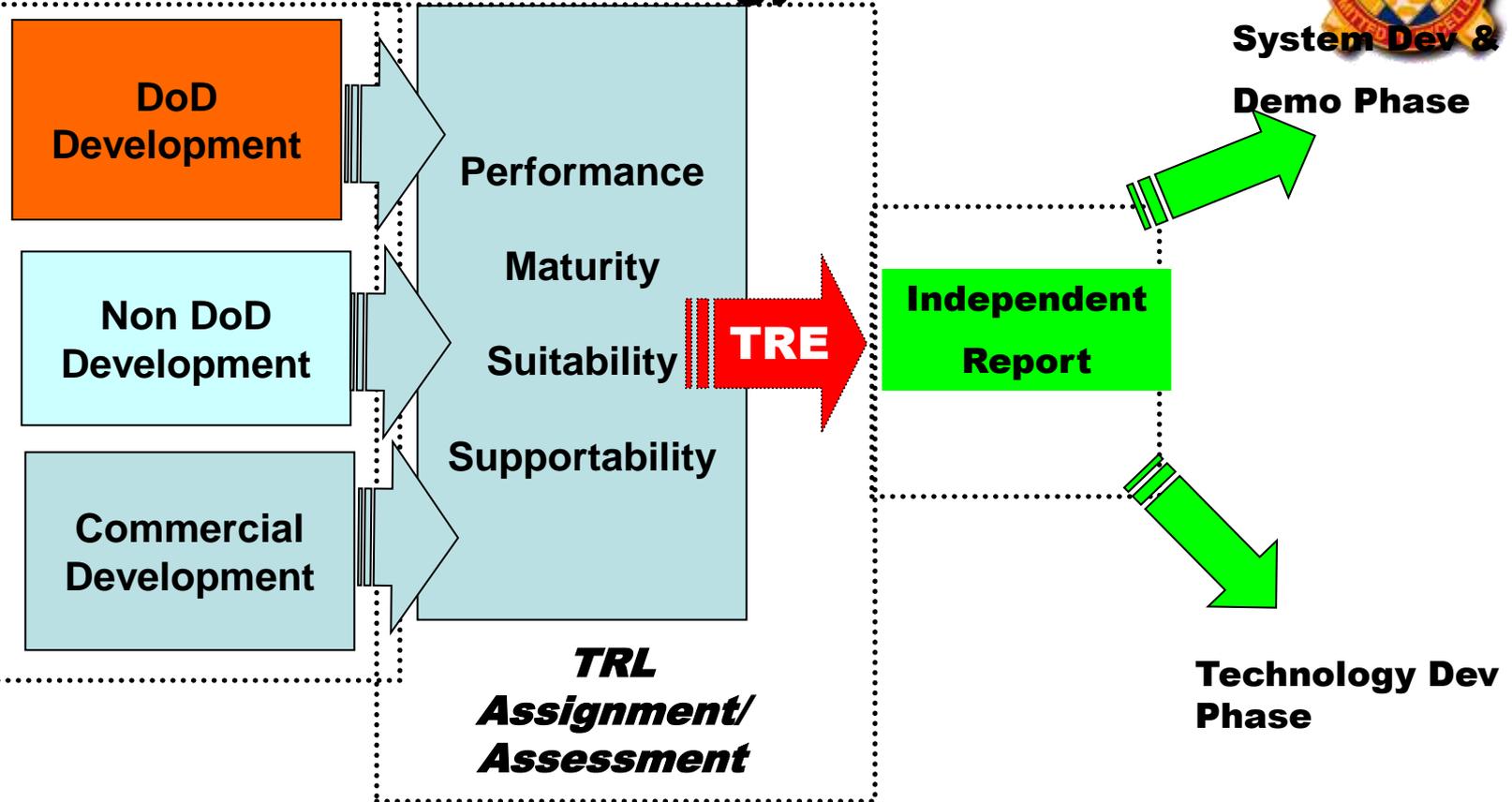


DECONTAMINATION



- **REDUCED RISKS**
- **SUCCESSFUL DEVELOPMENT**

Technical Readiness Assessment (TRA) Technology Readiness Evaluation (TRE) Strategy



- **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 2010 And 2011



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	TRE contracts awarded, July 2010 TRE events, 2QFY11 – 3QFY11
Joint Contamination Surface Detector (JCSD)	Evaluate technology candidates for a non-intrusive detection capability against chemical threats (CWA/NTA)	FedBiz Ops, 1QFY11 TRE events, 2QFY12

**POINT OF CONTACT FOR TREs: Dan Nowak, daniel.nowak@us.army.mil
CBR 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:

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Ronald Hinkle, ECBC-EA; (410) 436-2031, ron.hinkle@us.army.mil

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ECBC (EA) Test Facility

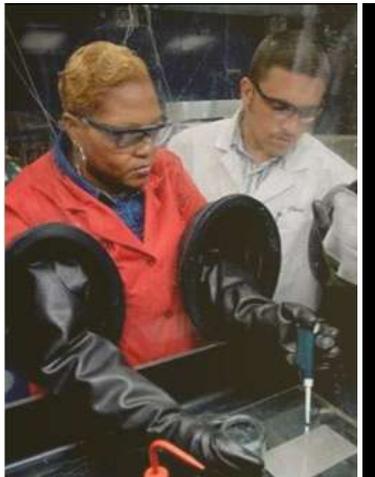
A robust testing capability supporting all phases of the acquisition cycle to include applied research; development to provide CB “non medical” systems for protection, detection and decontamination; production and sustainment; and novel requirements. Services provided are focused on basic and applied 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 9000-2001 Certified Testing

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





QA Lab Certification and Agent Testing

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

- Reviews test procedures and equipment used at COCO and Government facilities to perform acceptance testing
 - Calibration
 - Test set up
 - Control of process, procedures, equipment
- Deviations are submitted to QA and Engineering for approval
- Maintains a database of certification status and certification due dates



QA Lab Certification and Agent Testing (Continued)



- Assist engineering and the testing community in maintenance of specifications, standards, supply bulletins, and test operating procedures
 - MIL-STD-282 (dated 1956, w/ revision 1995) currently being updated
- Helps testing facilities continuously improve on their processes
- The testing facilities that openly accept feedback see greater benefits from the lab certification program





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



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Industrial Base Program



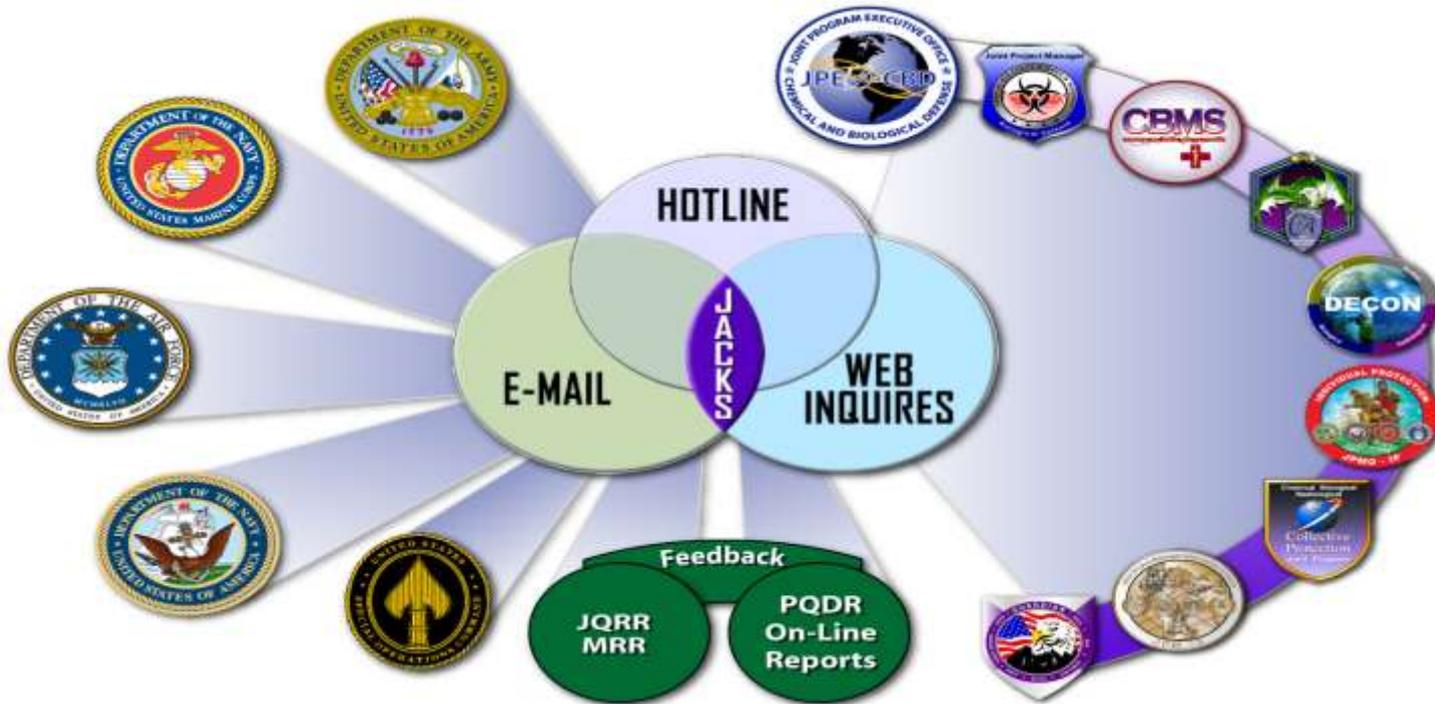
Enablers

- **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)

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



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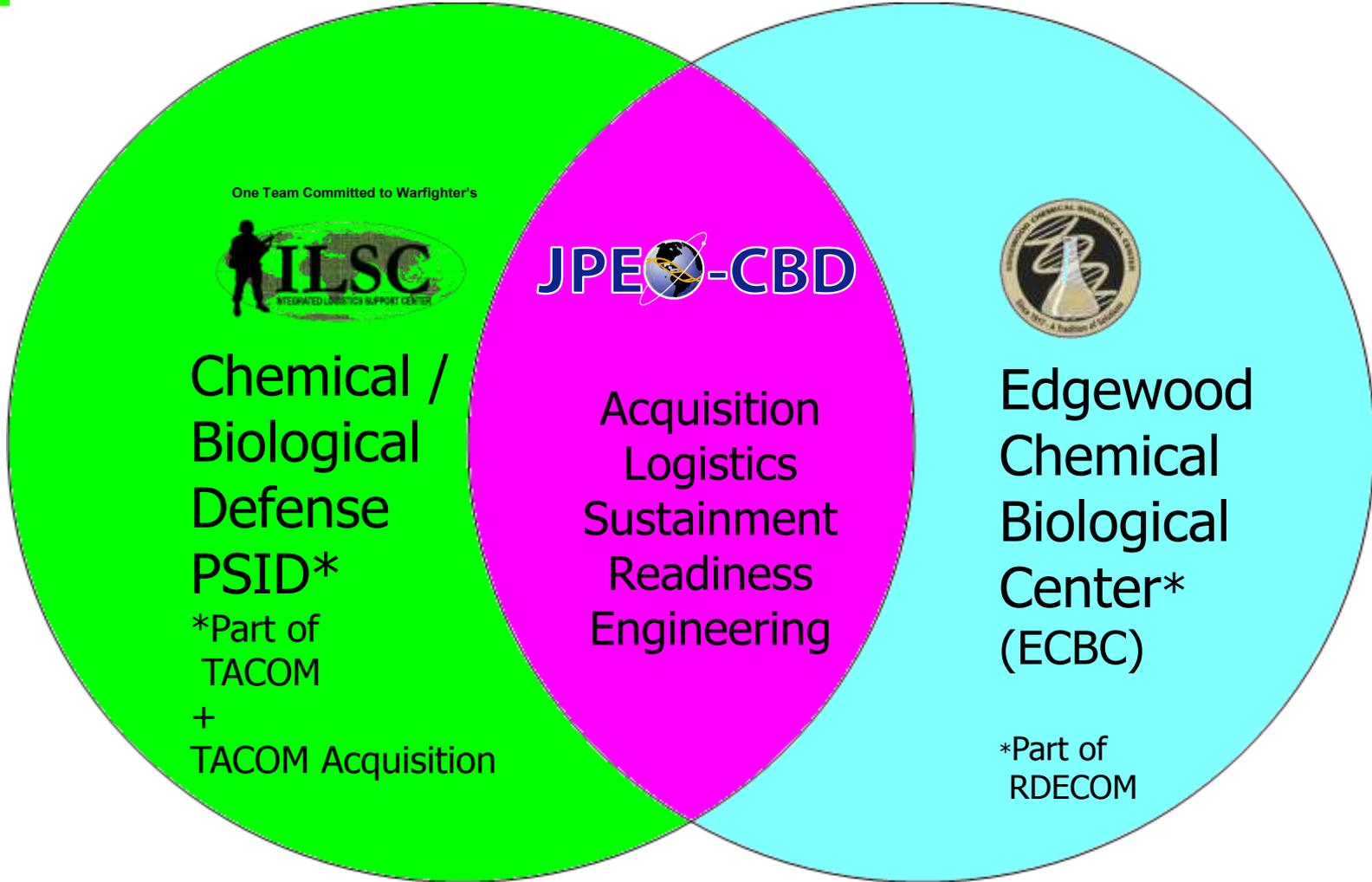
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TACOM-SBC ILSC JPEO & ECBC Partnership





Projected Totals for FY11-15



• Decontamination	\$ 29,415,149
• Contamination Avoidance	\$ 26,678,483
• Collective Protection	\$ 113,968,093
• Individual Protection	\$ 101,979,586
• Biological Detection	\$ 20,330,226
• Consequence Management	\$ <u>604,000</u>

TOTAL \$ 292,975,537



Decontamination

FY 11-15



NSN	NOUN	Current unit price	Total forecast for item	Projected cost= price X total forecast
4230-01-293-3353	WATER INLET, ASSEMBLY	\$1,811.00	205	\$371,255
4320-01-288-6736	PUMP, ROTARY	\$1,741.14	410	\$713,867
4720-01-293-5466	HOSE ASSEMBLY, N	\$200.00	3,078	\$615,600
6685-01-292-5248	MANOMETER, CAPILLARY	\$1,813.00	488	\$884,744
1095-01-295-1825	BOX, ACCESSORIES STO	\$436	1,375	\$599,500
5430-01-543-0155	TANK, FABRIC, COLLAPSIBLE	\$2,270	3,900	\$8,853,000
4810-01-293-3457	VALVE, SOLENOID	\$284	2,050	\$582,200
4720-01-293-5703	HOSE ASSEMBLY, NONME	\$507	1,275	\$646,425
4230-01-200-8002	IGNITER ASSEMBLY	\$235.00	1,360	\$319,600
4230-01-171-2542	HEATER COIL ASSEMBLY	\$3,500.00	135	\$472,500
4230-01-295-2443	INJECTOR ASSEMBLY	\$350.00	1,700	\$595,000
4230-01-466-9095	M100 SORBENT DECON	\$54.31	271,800	\$14,761,458
SUBTOTAL				\$29,415,149



Contamination Avoidance FY11-15



NSN	NOUN	Current unit price	Total forecast for item	Projected cost= price X total forecast
6665-01-383-6195	MEMBRANE ASSY	\$108.00	80	\$8,640
6665-01-466-9096	M43A1 SAMPLING KIT, CBR AGENT	\$475.00	110	\$52,250
6665-00-050-8529	M8 PAPER	\$0.94	589,721	\$554,338
6665-01-133-4964	M256A1 DETECTOR KIT	\$48.08	101,532	\$4,881,659
6665-01-226-5589	M9 PAPER	\$5.77	359,722	\$2,075,596
6665-01-463-4278	M18A3 DETECTOR KIT	\$660.00	828	\$546,480
6665-01-134-0885	M272 WATER TEST KIT	\$396.00	3,810	\$1,508,760
3990-01-204-3009	CARGO STRAP	\$19.31	517,682	\$9,996,440
SUBTOTAL				\$26,678,483



Collective Protection FY11-15



NSN	NOUN	Current unit price	Total forecast for item	Projected cost= price X total forecast
4240-00-807-6856	M3 HEATER	\$220.00	23,350	\$5,137,000
4240-01-363-1311	M48A1 GAS PART F.	\$857.00	8,097	\$6,939,129
4240-01-026-3112	M1A1-19 PRECLEANER	\$813.00	11,750	\$9,552,750
4240-01-365-0982	M18A1 GAS FILTER	\$354.00	17,925	\$6,345,450
4240-00-866-1825	M19 PARTICULATE FILTER	\$87.60	6,445	\$564,582
4240-01-330-7806	M20A1 SCPE	\$17,539.00	1,184	\$20,766,176
4240-01-369-6533	M98 FILTER SET	\$1,160.00	49,320	\$57,211,200
4240-01-518-4765	M98 FILTER (GAS)	\$890.00	5,081	\$4,522,090
4250-01-366-6243	HSFC	\$2,474.00	1,184	\$2,929,716
SUBTOTAL				\$113,968,093



Individual Protection FY11-15



NSN	NOUN	Current unit price	Total forecast for item	Projected cost= price X total forecast
8465-01-513-8276	BAG, SUIT	\$38.15	2,455	\$93,659
4240-01-390-3057	SKULL CAP HEAD HARNESS	\$10.22	161,996	\$1,655,600
4240-01-399-3349	M40 CARRIER	\$16.01	579,000	\$9,269,790
4240-01-260-8706	NEUTRAL OUTSERTS	\$15.98	899,346	\$14,371,549
4240-01-260-8707	CLEAR OUTSERTS	\$15.83	1,214,921	\$19,232,200
4240-01-361-1319	C2A1 CANISTER	\$12.24	2,239,709	\$27,414,038
4240-01-376-1382	CANISTER CARRIER	\$33.84	69,735	\$2,359,833
4240-01-399-3350	M42 CARRIER	\$16.13	81,740	\$1,318,466
4240-01-413-1540	USS SMALL	\$16.68	202,365	\$3,375,448
4240-01-413-1543	USS M/L	\$17.51	778,651	\$13,634,180
4720-01-515-9261	M42 HOSE	\$29.25	72,500	\$2,120,625
4820-01-260-8703	NOSECUP VALVE DISK	\$4.04	244,215	\$986,629
4820-01-502-7372	OUTLET VALVE DISK	\$6.25	179,715	\$1,123,219
5965-01-414-2257	M42 MICROPHONE	\$31.83	77,349	\$2,462,019
SUBTOTAL				\$101,979,586



Biological Detection FY11-15



NSN	NOUN	Current unit price	Total forecast for item	Projected cost= price X total forecast
6665-01-523-3927	COLLECTOR, PARTICULATE 1000	\$2,205.00	800	\$1,764,000
6665-01-523-3926	COLLECTOR, 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
SUBTOTAL				\$20,330,226



Consequence Management FY11-15



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
SUBTOTAL				\$6,457,640



TACOM-SBC (RI) POC



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Associate Director for Contracting

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Joint Program Support Group

(309) 782-4466, DSN: 793-4466

CDE New Initiatives & Support Group

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IP/ Smoke/Detectors Group

(586) 282-9991, DSN: 786-9991

Consequence Mgt, Decon & Col Pro Group

(309) 782-0359, DSN: 793-0359

