

TACOM-LCMC/RDECOM-ECBC

Advanced Planning Briefing to Industry April 2007

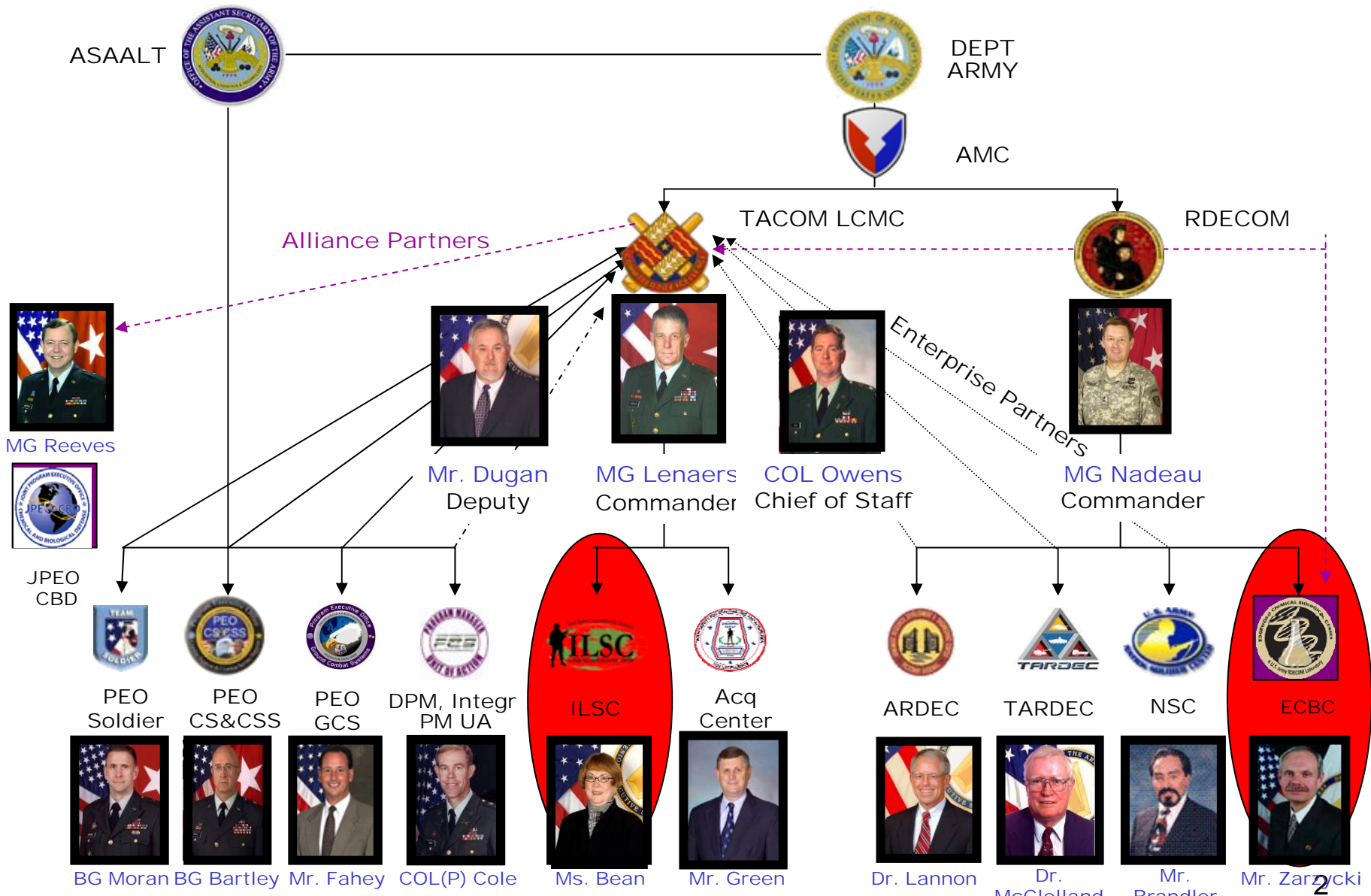
Alvin D. Thornton
Deputy Director
Engineering Directorate
Edgewood Chemical Biological
Center, RDECOM



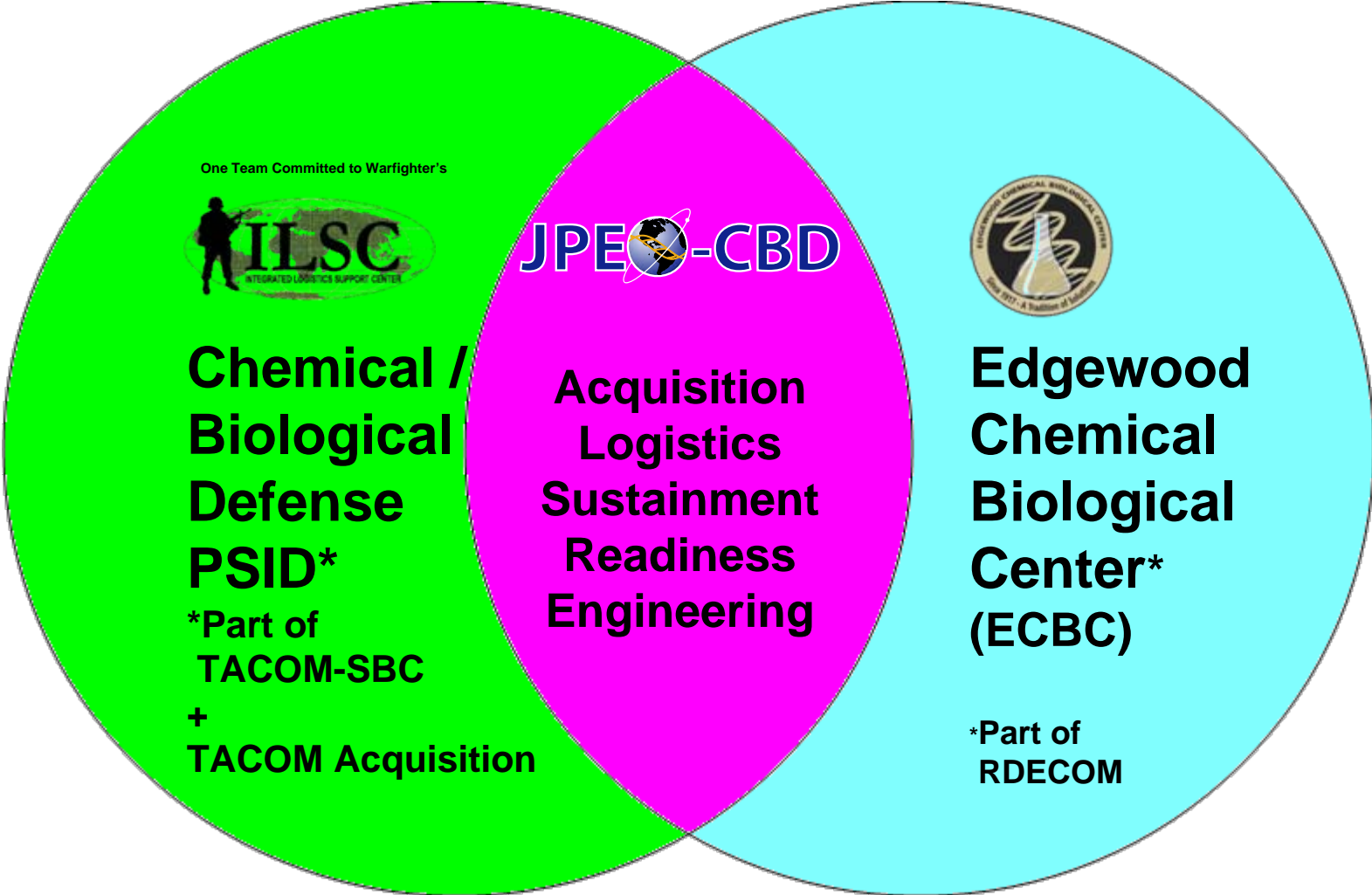
Raymond Muskeyvalley,
Director
Chemical Biological Defense
Product Support Integrated
Directorate, TACOM LCMC



TACOM LCMC & RDECOM-ECBC Leadership



TACOM-LCMC, RDECOM-ECBC & JPEO PARTNERSHIP



Chemical Biological Sustainment Projected Funding

Fiscal Year

FY 07	FY 08	FY 09	FY10	FY 11	FY 12	FY 13
125	91	98	101	104	107	110

(IN MILLIONS)

Based on current funding guidance

Projected Totals for FY08-13

Decontamination

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

Alarms/Detectors/Smoke

NSN	Nomenclature	Projected Unit Price	QTY FY08-FY13	Forecasted Value
6665-01-475-3860	Repair Kit Sieve	\$103.40	14,000	\$1,447,600
5998-99-513-2815	Display Film	\$705	280	\$197,400
6665-00-859-2215	Alarm Kit	\$248.26	6,814	\$1,691,644
6680-99-431-9687	Meter, Flow Rate	\$324.69	210	\$68,185
6665-01-380-8449	Drift Module	\$2,534.57	1,050	\$2,661,299
6665-01-380-1680	Sieve Pkg Assy- ACADA	\$318.89	1,050	\$334,835

Collective Protection

NSN	Nomenclature	Projected Unit Price	QTY FY08-FY13	Forecasted Value
4240-01-535-7589	Liner Package, Shelter	\$6,306	659	\$4,155,654
4240-01-535-7588	Liner Package, 4 Way	\$6,306	352	\$2,219,712
4240-01-536-0356	Liner Package, Vestibule	\$5,801	275	\$1,595,275
4230-01-530-3254	FFA 400 Retrofit Kit	\$4,303.70	599	\$2,577,916
4240-00-807-6856	M3 Heater	\$123	14,083	\$1,732,209
4240-01-330-7806	M20A1 SCPE	\$15,030.47	1,907	\$28,663,106
4240-01-518-4765	M98 Filter (Gas)	\$903	5,899	\$5,326,797

Individual Protection

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

TACOM-SBC (RI) POC

Chemical/Biological, Product Support Integrated Directorate
Raymond Muskeyvalley, Director
Comm: 309/782-2357; DSN: 793-2357
raymond.muskeyvalley@us.army.mil

Kevin Sommer, Assoc. Director for Contracting
Comm: 309/782-2706
DSN: 793-2706
kevin.sommer@us.army.mil

Product Support Integrator Decon & Col
Pro Group

Kent Schmitz, Group Leader
309/782-0359, DSN: 793-0359
kent.schmitz@us.army.mil

CDE New Initiatives &
Support Group

Debra Viren, Group Leader
309/782-5978, DSN: 793-5978
debra.viren@us.army.mil

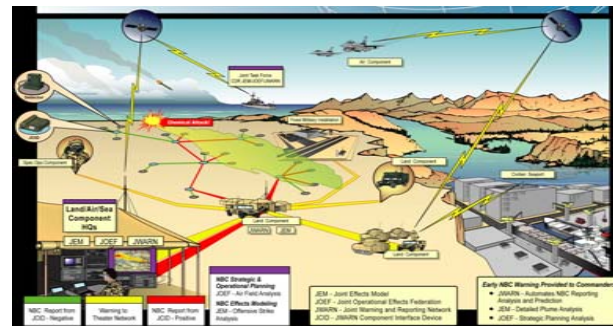
Product Support Integrator:
IP/ Alarms/ Bio Group
Magdi Awad, Group Leader
309/782-5916, DSN: 793-5916
magdi.awad@us.army.mil

CB DEFENSE SCIENCE & TECHNOLOGY

DETECTION



INFORMATION SYSTEMS



TRA

COLLECTIVE PROTECTION

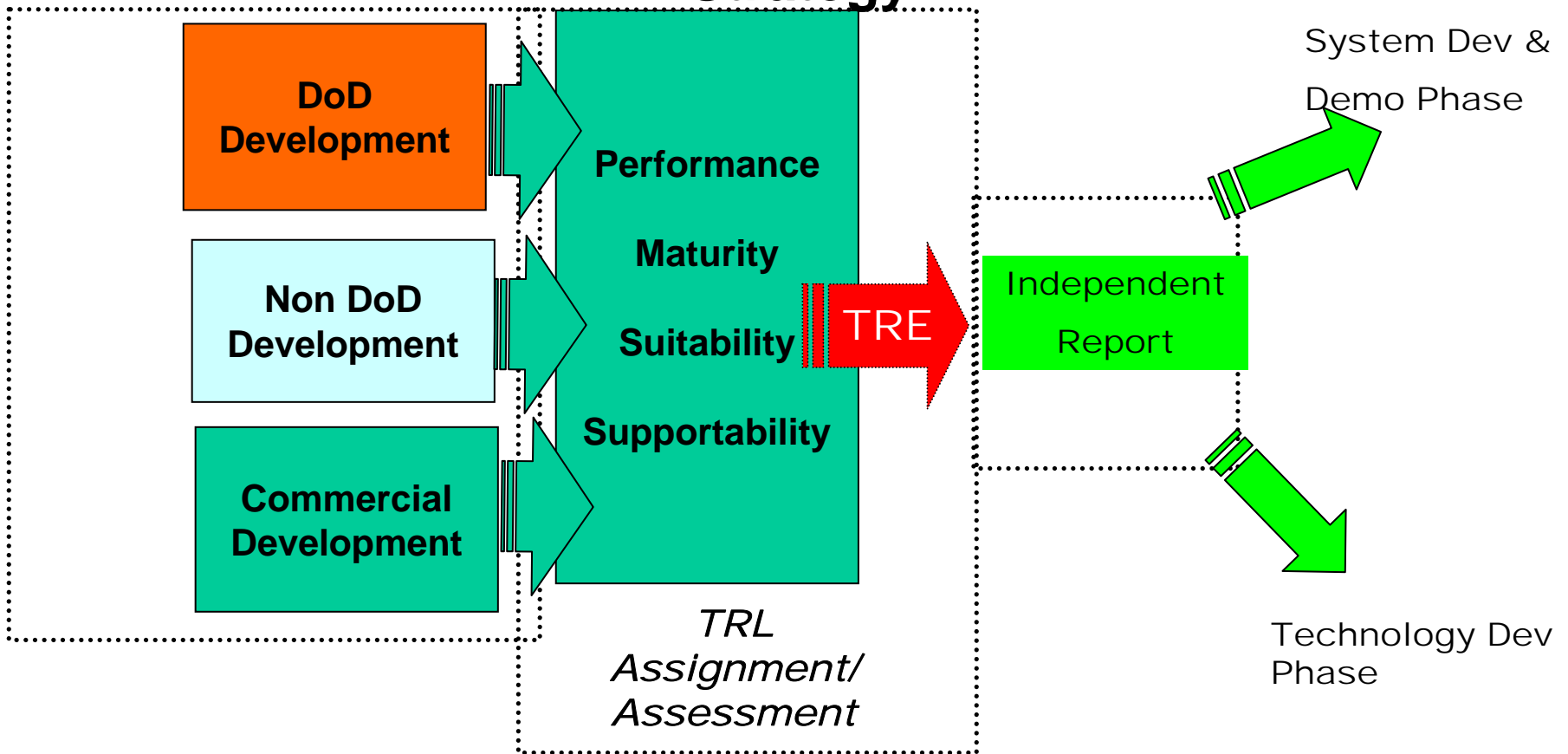


DECONTAMINATION



➤ 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 2007 AND 2008

TRE TITLE	PURPOSE	DRAFT SCHEDULE
JBPDS (IDENTIFIER)	Evaluate biological identifier technologies to replace the present subsystem embedded in the currently fielded Joint Biological Point Detection System (JBPDS) RESPONSE DATE: 30 April 2007	Fed Biz Opps, March 2007 TRE Testing, Oct 2007 TRL Assigned, Jan 2008 Test Report, Feb 2008
JBTDS	Evaluate technologies consisting of aerosol triggers, detectors and identifiers for a new Joint Biological Tactical Detection System (JBTDS)	Fed Biz Opps, Oct 2007 TRE Testing, Jun-Jul 2008 TRL Assigned, Sep 2008 Test Report, Oct 2008
JSAWM	Evaluate technologies for point detection and identification of chemical agents in water for the Joint Service Agent Water Monitor (JSAWM) RESPONSE DATE: 14 May 2007	Initial Fed Biz Opps, Mar 2007 Fed Biz Opps, Sep 2007 TRE Testing, May 2008 TRL Assigned, Aug 2008 Test Report, Sep 2008

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)

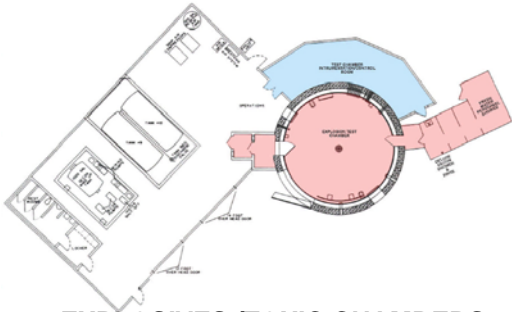
Through formal agreements, ECBC tests technologies and equipment at its facilities for other government and private industry.

- 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



EXPLOSIVES /TOXIC CHAMBERS



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



CLIMATIC TESTING



AEROSOL CHAMBER

ECBC (EA) Test Facilities



PROTECTION FACTOR FACILITY E5604 - RESPIRATOR FIT TEST



STATIC CHALLENGE CHAMBER



HARSH CONDITIONING TESTING



PROTECTIVE EQUIPMENT LABORATORY

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.

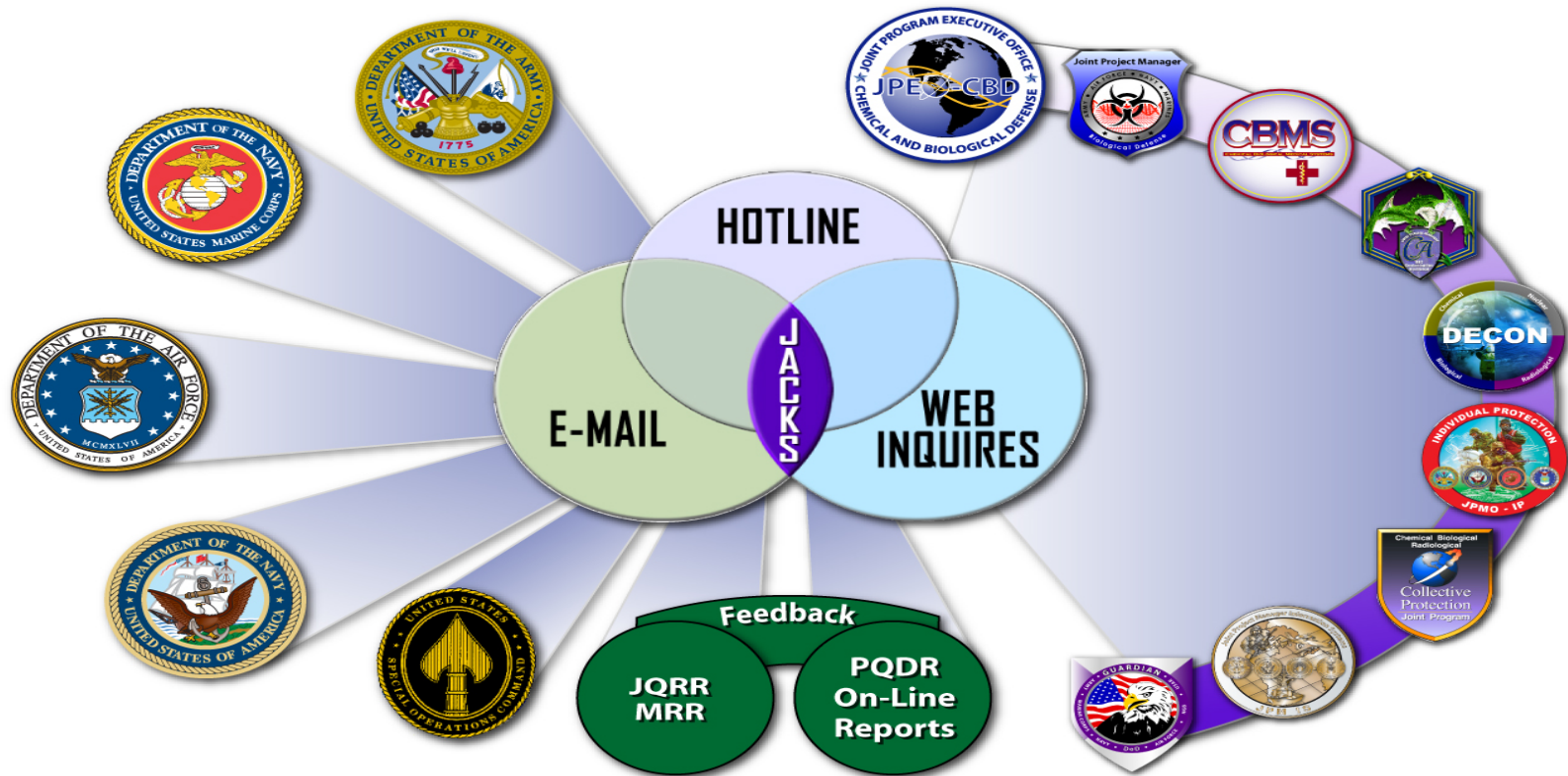
Industrial Base Program

-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

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: ceh@ria.army.mil (Requested: CBD-IRC.OSD.MIL & .JPEOCBD.OSD.MIL)