

<b>CBDP BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)</b>	DATE <b>May 2009</b>
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BUDGET ACTIVITY <b>RDT&amp;E DEFENSE-WIDE/                  BA7 - Operational Systems Development</b>	PE NUMBER AND TITLE <b>0607384BP CHEMICAL/BIOLOGICAL DEFENSE (OP SYS DEV)</b>
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	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate		
COST (In Thousands)					
Total Program Element (PE) Cost	7572	12640	6198		
IP7 INDIVIDUAL PROTECTION OPERATIONAL SYS DEV	0	4614	0		
IS7 INFORMATION SYSTEMS (OP SYS DEV)	685	907	1307		
TE7 TEST & EVALUATION (OP SYS DEV)	6887	7119	4891		

**A. Mission Description and Budget Item Justification:** This program element provides development efforts to upgrade systems in the Department of Defense (DoD) Chemical Biological Defense Program that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

Efforts in this program element support the upgrade of fielded detectors against emerging chemical threat agents and toxic industrial chemicals.

<b>CBDP BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)</b>	DATE <b>May 2009</b>
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<b>B. <u>Program Change Summary:</u></b>	<b><u>FY 2008</u></b>	<b><u>FY 2009</u></b>	<b><u>FY 2010</u></b>	
Previous President's Budget (FY 2009 PB)	7667	10274	12592	
Current Biennial Budget (FY 2010 PB)	7572	12640	6198	
Total Adjustments	-95	2366	-6394	
a. Congressional Program Reductions	0	-34	0	
b. Congressional Increases	0	2400	0	
c. Reprogrammings	0	0	0	
d. SBIR/STTR Transfer	-95	0	0	
e. Other Adjustments	0	0	-6394	

**Change Summary Explanation:**

**Funding:** FY09 - Congressional increases to enhance project efforts (+\$2,400K IP7). Congressional general reductions (-\$8K IP7; -\$3K IS7; -\$23K TE7).  
  
 FY10 - Realignment of T&E program efforts (-\$1,860K TE7); Baseline program realignments (- \$4,396K IP7); Changes for inflation guidance (-\$29K IS7; -\$109K TE7).

**Schedule:** N/A

**Technical:** N/A

<b>CBDP BUDGET ITEM JUSTIFICATION SHEET (R-2a Exhibit)</b>	DATE <b>May 2009</b>
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BUDGET ACTIVITY <b>RDT&amp;E DEFENSE-WIDE/                  BA7 - Operational Systems Development</b>	PE NUMBER AND TITLE <b>0607384BP CHEMICAL/BIOLOGICAL DEFENSE (OP SYS DEV)</b>	PROJECT <b>IP7</b>
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COST (In Thousands)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate		
IP7 INDIVIDUAL PROTECTION OPERATIONAL SYS DEV	0	4614	0		

**A. Mission Description and Budget Item Justification:**

**Project IP7 INDIVIDUAL PROTECTION OPERATIONAL SYS DEV:** This project provides developmental efforts to upgrade fielded Individual Protection (IP) systems to include battle dress uniform, gloves, footwear and masks for protection against Non-Traditional Agents.

**B. Accomplishments/Planned Program**

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
JOINT CHEMICAL ENSEMBLE III	0	2371	0

<b>Accomplishments/Planned Program</b>	<b>FY 2008</b>	<b>FY 2009</b>	<b>FY 2010</b>
JSGPM Filtration -  FY09 - Initiate IPT to explore integration concepts, develop new performance specification with increase TIC requirements, start filter qualification.	0	2371	0
<b>Total</b>	<b>0</b>	<b>2371</b>	<b>0</b>

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
LIGHTWEIGHT CB ENSEMBLE (LCBE)	0	2189	0

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<b>CBDP BUDGET ITEM JUSTIFICATION SHEET (R-2a Exhibit)</b>	DATE <b>May 2009</b>
--	-------------------------

BUDGET ACTIVITY <b>RDT&amp;E DEFENSE-WIDE/          BA7 - Operational Systems Development</b>	PE NUMBER AND TITLE <b>0607384BP CHEMICAL/BIOLOGICAL DEFENSE (OP SYS          DEV)</b>	PROJECT <b>IP7</b>
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Accomplishments/Planned Program	FY 2008	FY 2009	FY 2010
JSGPM Filtration -  FY09 - Initiate IPT to explore integration concepts.	0	1639	0
ESLI -  FY09 - Conduct critical design review for End-of-Service Life Indicator (ESLI), and fabricate final prototype. Start Test and Evaluation.	0	550	0
<b>Total</b>	<b>0</b>	<b>2189</b>	<b>0</b>

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
SBIR/STTR	0	54	0

Accomplishments/Planned Program	FY 2008	FY 2009	FY 2010
SBIR - FY09 - Small Business Innovative Research.	0	54	0
<b>Total</b>	<b>0</b>	<b>54</b>	<b>0</b>

C. Other Program Funding Summary: N/A

<b>CBDP BUDGET ITEM JUSTIFICATION SHEET (R-2a Exhibit)</b>	DATE <b>May 2009</b>
--	-------------------------

BUDGET ACTIVITY <b>RDTE&amp;E DEFENSE-WIDE/ BA7 - Operational Systems Development</b>	PE NUMBER AND TITLE <b>0607384BP CHEMICAL/BIOLOGICAL DEFENSE (OP SYS DEV)</b> PROJECT <b>IP7</b>
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**D. Acquisition Strategy:**

JCEIII	JSGPM: All possible candidates will be identified through the Request For Information (RFI) published by the Filter Additional Source Qualification (FASQ) team in 2005. The candidates will be screened against CWAs and TICs at the sorbent level. Candidates that show an indication that it may provide a performance enhancement may be transitioned into filter qualification testing. The qualification of a new filtration media for JSGPM will be based on the current JSGPM filter specification.
LCBE	The LCBE program strategy employs an evolutionary approach to provide a lightweight system that protects against emerging chemical, biological agents, across all mission areas and profiles. The LCBE acquisition strategy will use full and open competition.

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<b>CBDP PROJECT COST ANALYSIS (R-3 Exhibit)</b>	DATE <b>May 2009</b>
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<b>BUDGET ACTIVITY</b> <b>RDT&amp;E DEFENSE-WIDE/</b> <b>BA7 - Operational Systems Development</b>	<b>PE NUMBER AND TITLE</b> <b>0607384BP CHEMICAL/BIOLOGICAL DEFENSE (OP SYS</b> <b>DEV)</b>	<b>PROJECT</b> <b>IP7</b>
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I. Product Development	Contract Method & Type	Performing Activity & Location	US NF CC	Total PYs Cost	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date					
JCEIII													
HW C - JSGPM Filtration Development	C/FFP	JPMO IP, Stafford, VA	C	0	2371	2Q FY09	0	NONE					
LCBE													
Fabricate ESLI Prototype	C/FFP	Avon Protective Systems, Cadillac, MI	C	0	270	2Q FY09	0	NONE					
Subtotal I. Product Development:					2641		0						

Remarks:

II. Support Costs	Contract Method & Type	Performing Activity & Location	US NF CC	Total PYs Cost	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date					
LCBE													
ES SB - Filtration Eng Spt	MIPR	ECBC, APG, MD	U	0	350	2Q FY09	0	NONE					
Subtotal II. Support Costs:					350		0						

Remarks:

**UNCLASSIFIED**

<b>CBDP PROJECT COST ANALYSIS (R-3 Exhibit)</b>	DATE <b>May 2009</b>
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III. Test and Evaluation	Contract Method & Type	Performing Activity & Location	US NF CC	Total PYs Cost	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date					
LCBE													
OTE C - ESLI	MIPR	Various	U	0	280	2Q FY09	0	NONE					
DTE C - Filtration DT	MIPR	ECBC, APG, MD	U	0	1023	2Q FY09	0	NONE					
Subtotal III. Test and Evaluation:					1303		0						

Remarks:

IV. Management Services	Contract Method & Type	Performing Activity & Location	US NF CC	Total PYs Cost	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date					
LCBE													
PM/MS SB - Program support for Oper Sys Dev	MIPR	Various	U	0	266	2Q FY09	0	NONE					
ZSBIR													
SBIR/STTR - Aggregated from ZSBIR-SBIR/STTR	PO	HQ, AMC, Alexandria, VA		0	54	NONE	0	NONE					
Subtotal IV. Management Services:					320		0						

Remarks:

<b>CBDP PROJECT COST ANALYSIS (R-3 Exhibit)</b>	DATE <b>May 2009</b>
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BUDGET ACTIVITY <b>RDTE&amp;E DEFENSE-WIDE/ BA7 - Operational Systems Development</b>	PE NUMBER AND TITLE <b>0607384BP CHEMICAL/BIOLOGICAL DEFENSE (OP SYS DEV)</b> PROJECT <b>IP7</b>
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TOTAL PROJECT COST:		4614		0						
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<b>Exhibit R-4a, Schedule Profile</b>	DATE <b>May 2009</b>
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BUDGET ACTIVITY <b>RDT&amp;E DEFENSE-WIDE/          BA7 - Operational Systems Development</b>	PE NUMBER AND TITLE <b>0607384BP CHEMICAL/BIOLOGICAL DEFENSE (OP SYS          DEV)</b>	PROJECT <b>IP7</b>
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<b>D. <u>Schedule Profile:</u></b>	FY 2008				FY 2009				FY 2010				
	1	2	3	4	1	2	3	4	1	2	3	4	
LCBE													
Initiate IPT					1Q	—————			4Q				
Fabricate ESLI Prototype						2Q	3Q						
ESLI Test & Evaluation						2Q	—————			1Q			

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<b>CBDP BUDGET ITEM JUSTIFICATION SHEET (R-2a Exhibit)</b>	DATE <b>May 2009</b>
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BUDGET ACTIVITY <b>RDT&amp;E DEFENSE-WIDE/                  BA7 - Operational Systems Development</b>	PE NUMBER AND TITLE <b>0607384BP CHEMICAL/BIOLOGICAL DEFENSE (OP SYS                  DEV)</b>	PROJECT <b>IS7</b>
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COST (In Thousands)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate		
IS7 INFORMATION SYSTEMS (OP SYS DEV)	685	907	1307		

**A. Mission Description and Budget Item Justification:**

**Project IS7 INFORMATION SYSTEMS (OP SYS DEV):** The project supports the JPEO-CBD Software Support Activity (SSA). The JPEO-CBD SSA is a JPEO-CBD enterprise-wide, user developmental support and Service organization focusing on development assistance and net-centric interoperability. The SSA provides the CBRN Warfighter with Joint Service solutions for Information Assurance, Verification, Validation and Accreditation (VV&A), and Data Management; interoperable and integrated net-centric, Service-oriented, composable solutions for CBD; and infusion of latest technologies into programs of record. CBRN user community and related communities of interest have need for CBRN "plug and play" capability to allow interoperability and re-configurability across the enterprise. The requirement for net-centric, composable solutions provides the near term foundation for the Warfighter's ability to communicate his CBRN solutions and interoperate with other Service operational systems. It also supports a longer term ability to interoperate with related agencies and to reduce the Warfighter's CBRN footprint as technologies improve.

**B. Accomplishments/Planned Program**

	<b><u>FY 2008</u></b>	<b><u>FY 2009</u></b>	<b><u>FY 2010</u></b>
SOFTWARE SUPPORT ACTIVITY (SSA)	685	897	1307

<b>Accomplishments/Planned Program</b>	<b>FY 2008</b>	<b>FY 2009</b>		<b>FY 2010</b>
SSA -  FY08/09/10 - Provide and update program of record integrated architectures.	131	117		162

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<b>CBDP BUDGET ITEM JUSTIFICATION SHEET (R-2a Exhibit)</b>		DATE <b>May 2009</b>		
BUDGET ACTIVITY <b>RDT&amp;E DEFENSE-WIDE/ BA7 - Operational Systems Development</b>		PE NUMBER AND TITLE <b>0607384BP CHEMICAL/BIOLOGICAL DEFENSE (OP SYS DEV)</b>		PROJECT <b>IS7</b>
<b>Accomplishments/Planned Program (Cont):</b>		<b>FY 2008</b>	<b>FY 2009</b>	<b>FY 2010</b>
SSA - FY08/09/10 - Analyze requirements and assist programs with implementation of the CBRN data model.		51	108	174
SSA - FY09/10 - Provide CBRN Data Model Reference implementations.		0	83	162
SSA - FY08/09/10 - Support CBRN Data Model updates.		47	51	100
SSA - FY08/09/10 - Provide Information Assurance compliance testing for JPEO-CBD programs.		56	58	123
SSA - FY08/09/10 - Provide Modeling and Simulation IPT and Accreditation Steering Group support.		151	121	153
SSA - FY08/09/10 - Provide Information Support Plan (ISP) Development support for JPEO-CBD programs.		58	116	179
SSA - FY08/09 - Provided developmental Help Desk support for JPEO-CBD programs and users until they transitioned to sustainment funding.		191	75	0
SSA - FY09/10 - Provide Net-Centric Policy implementation assistance.		0	66	87
<p>Project IS7/Line No: 174 <span style="float:right">Page 12 of 28 Pages</span> <span style="float:right">Exhibit R-2a (PE 0607384BP)</span></p>				

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<b>CBDP BUDGET ITEM JUSTIFICATION SHEET (R-2a Exhibit)</b>	DATE <b>May 2009</b>
--	-------------------------

BUDGET ACTIVITY <b>RDT&amp;E DEFENSE-WIDE/          BA7 - Operational Systems Development</b>	PE NUMBER AND TITLE <b>0607384BP CHEMICAL/BIOLOGICAL DEFENSE (OP SYS          DEV)</b>	PROJECT <b>IS7</b>
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Accomplishments/Planned Program (Cont):	FY 2008	FY 2009	FY 2010
SSA - FY09/10 - Provide Common CBRN Sensor Interface (CCSI) Reference implementation guidance.	0	64	84
SSA - FY09/10 - Support CCSI updates.	0	38	83
<b>Total</b>	<b>685</b>	<b>897</b>	<b>1307</b>

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
SBIR/STTR	0	10	0

Accomplishments/Planned Program	FY 2008	FY 2009	FY 2010
SBIR - FY09 - Small Business Innovative Research.	0	10	0
<b>Total</b>	<b>0</b>	<b>10</b>	<b>0</b>

**C. Other Program Funding Summary: N/A**

<b>CBDP BUDGET ITEM JUSTIFICATION SHEET (R-2a Exhibit)</b>	DATE <b>May 2009</b>
--	-------------------------

BUDGET ACTIVITY <b>RDTE&amp;E DEFENSE-WIDE/ BA7 - Operational Systems Development</b>	PE NUMBER AND TITLE <b>0607384BP CHEMICAL/BIOLOGICAL DEFENSE (OP SYS DEV)</b> PROJECT <b>IS7</b>
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**D. Acquisition Strategy:**

SSA                      The JPEO-CBD Software Support Activity (SSA) is a JPEO-CBD user support organization spanning and supporting all Joint Project Managers (JPMs) and JPEO-CBD Directorates. The SSA provides enterprise-wide services and coordination across all JPEO-CBD Programs of Record (PORs) that contain data or software, or are capable of linking to the Global Information Grid (GIG). The SSA facilitates interoperability, integration, and supportability of existing and developing IT and National Security Systems (NSS) across the JPEO and all JPMs.

Phase 1a identifies JPEO-CBD JPMs and programs that deal with data or software, and have an IT component. This will be followed by coordination with the JPMs and programs to facilitate the concepts of interoperability, integration and supportability of enterprise-wide services. Next follows work with user communities to develop and demonstrate enterprise-wide common architectures, products and services. [BA5 - System Development and Demonstration] .

Phase 1b established management and control measures for tracking and reporting progress of the various elements described in Phases 1 and 2. This includes establishing, tracking, and performing configuration management of inventories and databases of IT systems and their states of interoperability and information assurance compliance. [BA6 - RDT&E Management Support].

Phase 2 will support the application of the enterprise-wide architectures, products and services into the programs, with verification of compliance with the defined products and services. [BA7 - Operational Systems Development].

**UNCLASSIFIED**

<b>CBDP PROJECT COST ANALYSIS (R-3 Exhibit)</b>	DATE <b>May 2009</b>
---	-------------------------

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I. Product Development	Contract Method & Type	Performing Activity & Location	US NF CC	Total PYs Cost	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date					
SSA													
Development Services	MIPR	SPAWAR System Center, San Diego, CA	U	243	359	1Q FY09	414	1Q FY10					
Subtotal I. Product Development:					359		414						

Remarks:

II. Support Costs	Contract Method & Type	Performing Activity & Location	US NF CC	Total PYs Cost	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date					
SSA													
Develop Support Activities	MIPR	SPAWAR Systems Center, San Diego, CA	U	236	319	1Q FY09	408	1Q FY10					
Subtotal II. Support Costs:					319		408						

Remarks:

**UNCLASSIFIED**

<b>CBDP PROJECT COST ANALYSIS (R-3 Exhibit)</b>	DATE <b>May 2009</b>
---	-------------------------

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III. Test and Evaluation	Contract Method & Type	Performing Activity & Location	US NF CC	Total PYs Cost	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date					
<b>SSA</b>													
Integration Verification and Valuation (IV&V)	MIPR	SPAWAR Systems Center, San Diego, CA	U	206	219	1Q FY09	485	1Q FY10					
Subtotal III. Test and Evaluation:					219		485						

Remarks:

IV. Management Services	Contract Method & Type	Performing Activity & Location	US NF CC	Total PYs Cost	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date					
<b>ZSBIR</b>													
SBIR/STTR - Aggregated from ZSBIR-SBIR/STTR	PO	HQ, AMC, Alexandria, VA		0	10	NONE	0	NONE					
Subtotal IV. Management Services:					10		0						

Remarks:

**UNCLASSIFIED**

<b>CBDP PROJECT COST ANALYSIS (R-3 Exhibit)</b>	DATE <b>May 2009</b>
---	-------------------------

BUDGET ACTIVITY <b>RDTE&amp;E DEFENSE-WIDE/ BA7 - Operational Systems Development</b>	PE NUMBER AND TITLE <b>0607384BP CHEMICAL/BIOLOGICAL DEFENSE (OP SYS IS7 DEV)</b>
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TOTAL PROJECT COST:		907		1307						
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<b>Exhibit R-4a, Schedule Profile</b>	DATE <b>May 2009</b>
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BUDGET ACTIVITY <b>RDT&amp;E DEFENSE-WIDE/                  BA7 - Operational Systems Development</b>	PE NUMBER AND TITLE <b>0607384BP CHEMICAL/BIOLOGICAL DEFENSE (OP SYS                  DEV)</b>	PROJECT <b>IS7</b>
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<b>D. <u>Schedule Profile:</u></b>	FY 2008				FY 2009				FY 2010			
	1	2	3	4	1	2	3	4	1	2	3	4
SSA												
Establish CM Services for the Enterprise CBRND Products	>>		_____ 3Q									
Provide Data Model Implementation Guidance	1Q		_____						_____			>>
Demonstrate Technology Transition Capabilities	1Q		_____						_____			>>
Provide CM Services for Common User Products and Services	1Q		_____						_____			>>
Establish Common Services Management Guidance	1Q		_____ 3Q									
Develop and provide CBRN Data Model implementation guidance, including reference implementations	1Q		_____						_____			>>
Architecture advisory services to support Warfighter Enterprise and Program Integrated Architectures	1Q		_____						_____			>>

<b>Exhibit R-4a, Schedule Profile</b>	DATE <b>May 2009</b>
---------------------------------------	-------------------------

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<b>D. <u>Schedule Profile (cont):</u></b>	FY 2008				FY 2009				FY 2010			
	1	2	3	4	1	2	3	4	1	2	3	4
SSA (Cont)												
Demonstrate, Verify, Test Technology Transition capabilities esp. for Common Components and Services	1Q	_____ >>										
Provide Information Assurance Certification/Acceptance products/services, including compliance testing	1Q	_____ >>										
Provide Modeling, Simulation, VV&A, Integration/Test support and interoperability demonstrations.	1Q	_____ >>										
Provide FISMA and J6 Interoperability certification support	1Q	_____ >>										
Provide CBRN Interface Standards, incl. reference implementations, e.g. Common CBRN Sensor Interface	1Q	_____ >>										

<b>Exhibit R-4a, Schedule Profile</b>	DATE <b>May 2009</b>
---------------------------------------	-------------------------

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<b>D. <u>Schedule Profile (cont):</u></b>	FY 2008				FY 2009				FY 2010			
	1	2	3	4	1	2	3	4	1	2	3	4
SSA (Cont)												
Sustain CBRN Data Model	1Q	_____			_____				_____ >>			
Sustain CCSI, including investigation, as an industry standard	1Q	_____			_____				_____ >>			

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--	-------------------------

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COST (In Thousands)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate		
TE7 TEST & EVALUATION (OP SYS DEV)	6887	7119	4891		

**A. Mission Description and Budget Item Justification:**

**Project TE7 TEST & EVALUATION (OP SYS DEV):** This project provides revitalization and technology upgrades of existing instrumentation and equipment at Dugway Proving Ground (DPG), a Major Range and Test Facility Base (MRTFB), in support of their Chemical Biological test mission.

**B. Accomplishments/Planned Program**

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
T&E RANGE INSTRUMENT/TECH UPGRADE (T&E UPGRADE)	6887	7037	4891

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Accomplishments/Planned Program	FY 2008	FY 2009	FY 2010
<p>DPG, MRTFB -</p> <p>FY08/09/10 - Provides for upgrade of the Life Sciences Test Facility instrumentation and equipment at Dugway Proving Ground (DPG), in support of their CB test mission. This is the only U.S. facility equipped to test with aerosolized Bio-Safety Level 3 (BSL-3) agents. Upgrades and technology enhancements include:</p> <ul style="list-style-type: none"> <li>- Replacement of old Scanning Electron Microscopes, light microscopes, and old Aerodynamic Particle Sizers with newer Fluorescent Aerodynamic Particle Sizers. These items will be replaced using a phased approach over several years.</li> <li>- Development of biological decontamination sampling methods.</li> <li>- Full characterization of biological aerosols in various conditions inside the test chambers.</li> <li>- An automated aerosol dissemination system that will vary the concentration of the aerosol cloud.</li> <li>- New methods of sampling biologics using mimetics.</li> <li>- Development of a deployable Polymerase Chain Reaction sampling system for use in the field testing of biological detection systems.</li> <li>- Continued upgrades/improvements to the Containment Aerosol Chamber (CAC) with capability to create environmental conditions with varying combinations of air temperature and relative humidity.</li> <li>- Continued procurement of microbiological laboratory equipment needed to utilize new Bio-Safety Level 3 laboratories.</li> </ul>	1770	1790	919

<p>Project TE7/Line No: 174</p> <p align="center">Page 22 of 28 Pages</p> <p align="right">Exhibit R-2a (PE 0607384BP)</p>
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<b>CBDP BUDGET ITEM JUSTIFICATION SHEET (R-2a Exhibit)</b>		DATE <b>May 2009</b>		
BUDGET ACTIVITY <b>RDT&amp;E DEFENSE-WIDE/ BA7 - Operational Systems Development</b>		PE NUMBER AND TITLE <b>0607384BP CHEMICAL/BIOLOGICAL DEFENSE (OP SYS DEV)</b>		PROJECT <b>TE7</b>
<b>Accomplishments/Planned Program (Cont):</b>		<b>FY 2008</b>	<b>FY 2009</b>	<b>FY 2010</b>
<p>DPG, MRTFB -</p> <p>FY08/09/10 - Provides for modernization of existing instrumentation and equipment in the major test chambers at DPG, in support of the CB test mission. These consist of the: (1) the Materiel Test Facility which is a unique test chamber where real-world decontamination operations can be tested; (2) the Defensive Test Chamber which is a large chamber, currently the site of the Man-in-Simulant Test (MIST) for the testing of chemical protective ensembles; and (3) Bldg 3445, which houses two large chambers where testing of large panel decontaminants, filter systems, and Individual Protection Equipment (IPE) in a chemical environment is conducted. Modernization of instrumentation in the chambers include:</p> <ul style="list-style-type: none"> <li>- Continued development of a chemical aerosol generation and sampling capability.</li> <li>- Characterization of improved and/or articulated testing fixtures.</li> </ul>		1960	1980	1037
<p>DPG, MRTFB -</p> <p>FY08/09/10 - Enhances existing instrumentation and equipment at the Target S, Downwind, and Tower CB Test Grids at DPG, in support of their CB test mission. The CB Test Grids are critical for all Developmental Test/Operation Test of CB defense systems. Modernization efforts include:</p> <ul style="list-style-type: none"> <li>- Continued development of a realistic CB threat generation system where challenges for detectors will be done with explosives and dissemination devices that will be present in battlefield situations.</li> <li>- Continued modernization of the Aerosol Simulant Exposure Chamber for new simulants.</li> <li>- Implementation and integration of real-time data fusion systems for field testing with new weather-characterization and wind-profiling capabilities.</li> <li>- Initiation of telemetric data-transfer capabilities to support field tests.</li> </ul>		1215	1227	1076
Project TE7/Line No: 174		Page 23 of 28 Pages		Exhibit R-2a (PE 0607384BP)

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<b>CBDP BUDGET ITEM JUSTIFICATION SHEET (R-2a Exhibit)</b>	DATE <b>May 2009</b>
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BUDGET ACTIVITY <b>RDT&amp;E DEFENSE-WIDE/          BA7 - Operational Systems Development</b>	PE NUMBER AND TITLE <b>0607384BP CHEMICAL/BIOLOGICAL DEFENSE (OP SYS          DEV)</b>	PROJECT <b>TE7</b>
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Accomplishments/Planned Program (Cont):	FY 2008	FY 2009	FY 2010
DPG, MRTFB -  FY08/09/10 - Provides for revitalization and upgrade of existing instrumentation and equipment at the Combined Chemical Test Facility at Dugway Proving Ground (DPG), in support of their CB test mission. The Combined Chemical Test Facility tests the capability of detectors, decontaminants, and protective systems to defend against toxic chemical agents. This project upgrades analytical and field instrumentation with current technology to include: - Characterization of new and upgraded test fixtures. - Upgraded control systems for small chambers. - Initial deployment of a laboratory information-management system.	1942	2040	1859
<b>Total</b>	<b>6887</b>	<b>7037</b>	<b>4891</b>

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
SBIR/STTR	0	82	0

Accomplishments/Planned Program	FY 2008	FY 2009	FY 2010
SBIR - FY09 - Small Business Innovative Research.	0	82	0
<b>Total</b>	<b>0</b>	<b>82</b>	<b>0</b>

C. Other Program Funding Summary: N/A

<b>CBDP BUDGET ITEM JUSTIFICATION SHEET (R-2a Exhibit)</b>	DATE <b>May 2009</b>
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BUDGET ACTIVITY <b>RDTE&amp;E DEFENSE-WIDE/ BA7 - Operational Systems Development</b>	PE NUMBER AND TITLE <b>0607384BP CHEMICAL/BIOLOGICAL DEFENSE (OP SYS DEV)</b> PROJECT <b>TE7</b>
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**D. Acquisition Strategy:**

T&E UPGRAD

T&E Range Instrumentation/Technology Upgrades is a continuing project. It provides for technical upgrades to DPG capabilities for Chemical and Biological training and testing DoD Chemical and Biological (CB) materiel, weapons, and weapons systems from concept through production.

<b>CBDP PROJECT COST ANALYSIS (R-3 Exhibit)</b>	DATE <b>May 2009</b>
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BUDGET ACTIVITY <b>RDT&amp;E DEFENSE-WIDE/          BA7 - Operational Systems Development</b>	PE NUMBER AND TITLE <b>0607384BP CHEMICAL/BIOLOGICAL DEFENSE (OP SYS          DEV)</b>	PROJECT <b>TE7</b>
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I. Product Development: Not applicable

II. Support Costs: Not applicable

III. Test and Evaluation	Contract Method & Type	Performing Activity & Location	US NF CC	Total PYs Cost	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date					
T&E UPGRAD													
Technology Upgrades - DPG, UT	C/FP	Dugway Proving Grounds, DPG, UT	C	6887	7037	2Q FY09	4891	2Q FY10					
Subtotal III. Test and Evaluation:					7037		4891						

Remarks:

**UNCLASSIFIED**

<b>CBDP PROJECT COST ANALYSIS (R-3 Exhibit)</b>	DATE <b>May 2009</b>
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<b>BUDGET ACTIVITY</b> <b>RDT&amp;E DEFENSE-WIDE/</b> <b>BA7 - Operational Systems Development</b>	<b>PE NUMBER AND TITLE</b> <b>0607384BP CHEMICAL/BIOLOGICAL DEFENSE (OP SYS</b> <b>DEV)</b>	<b>PROJECT</b> <b>TE7</b>
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IV. Management Services	Contract Method & Type	Performing Activity & Location	US NF CC	Total PYs Cost	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date					
ZSBIR													
SBIR/STTR - Aggregated from ZSBIR-SBIR/STTR	PO	HQ, AMC, Alexandria, VA		0	82	NONE	0	NONE					
Subtotal IV. Management Services:					82		0						

Remarks:

TOTAL PROJECT COST:					7119		4891						
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<b>Exhibit R-4a, Schedule Profile</b>	DATE <b>May 2009</b>
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BUDGET ACTIVITY <b>RDT&amp;E DEFENSE-WIDE/                  BA7 - Operational Systems Development</b>	PE NUMBER AND TITLE <b>0607384BP CHEMICAL/BIOLOGICAL DEFENSE (OP SYS                  DEV)</b>	PROJECT <b>TE7</b>
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<b>D. <u>Schedule Profile:</u></b>	FY 2008				FY 2009				FY 2010			
	1	2	3	4	1	2	3	4	1	2	3	4
T&E UPGRAD												
LSTF Instrumentation & Equip Upgrades, DPG		2Q	_____ >>									
Modernization of Major Test Chambers, DPG		2Q	_____ >>									
Enhance Instrumentation & Equip at Target S, Downwind, & Tower CB Test Grids, DPG		2Q	_____ >>									
Revitalize & Upgrade Instrumentation & Equip at Combined Chemical Test Facility, DPG		2Q	_____ >>									