

# **Chemical Biological Defense Program**

**Fiscal Year (FY) 2009 Budget Estimates**

**February 2008**



**Procurement, Defense-Wide**

**THIS PAGE INTENTIONALLY LEFT BLANK**

**Table of Contents**  
**DoD Joint Service Chemical and Biological Defense Program**  
**Fiscal Year (FY) 2009 Budget Estimates**

<b>TABLE OF CONTENTS</b>	<b>i</b>
<b>CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM OVERVIEW</b>	<b>iii</b>
<b>CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM PROCUREMENT SUMMARY</b>	<b>vii</b>
<b>P-1 EXHIBIT FOR CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM</b>	<b>1</b>
<b>LINE #89 - INSTALLATION FORCE PROTECTION</b>	<b>3</b>
<b>LINE #90 - INDIVIDUAL PROTECTION</b>	<b>27</b>
<b>LINE #91 - DECONTAMINATION</b>	<b>63</b>
<b>LINE #92 - JOINT BIO DEFENSE PROGRAM (MEDICAL)</b>	<b>79</b>
<b>LINE #93 - COLLECTIVE PROTECTION</b>	<b>103</b>
<b>LINE #94 - CONTAMINATION AVOIDANCE</b>	<b>128</b>

**THIS PAGE INTENTIONALLY LEFT BLANK**

## Department of Defense Chemical and Biological Defense Program Overview

### Fiscal Year (FY) 2009 Budget Estimates

The DoD Chemical and Biological Defense Program (CBDP) is a key part of a comprehensive national strategy to counter the threat of chemical and biological weapons as outlined in the National Military Strategy to Combat Weapons of Mass Destruction, February 2006. The military mission is to dissuade, deter, defend, and defeat those who seek to harm the United States, its allies, and its partners thru WMD use or threat of use and, if attacked, mitigate the effects and restore deterrence. This mission is in direct support of the three pillars (non-proliferation, counterproliferation, and consequence management) of the National Strategy for Combating WMD. The DoD CBDP provides research, development, and acquisition (RDA) programs primarily to support the counterproliferation and consequence management pillars. In support of counterproliferation, the DoD CBDP provides passive defenses tailored to the unique characteristics of the various chemical and biological weapons, including emerging threats. These capabilities provide U.S. forces the ability to rapidly and effectively mitigate the effects of a CB attack against our deployed forces. In support of consequence management, the DoD CBDP provides capabilities to respond to the effects of WMD use against our forces deployed abroad, and the homeland.

The CBDP funds research to exploit leading edge technologies to ensure that U.S. forces are equipped with world class capabilities to defend against CB threats through the far term. This budget includes support of a comprehensive science and technology base program to ensure continued advances in CB defense capabilities. CBDP Science & Technology (S&T) research provides core capabilities to ensure U.S. technological advantages through the far term, including research into advanced chemical and biological detection systems, advanced materials for improved filtration systems and protection systems, advanced decontaminants, investigations into the environmental fate of chemical warfare agents, advanced information technologies, medical biological defense research (including novel biodefense initiatives that focus on interrupting the disease cycle before and after exposure, as well as addressing the bioengineered threat), diagnostics, therapeutics, and vaccines for viral, bacterial, toxin, and novel threat agents), and medical chemical defense (including investigations of low level chemical warfare agent exposures, diagnostics, therapeutics, pretreatments for classical chemical warfare threats and novel threat agents).

**Technologies currently in Budget Activity 4 (Advanced Component Development and Prototypes) and Budget Activity 5 (System Development and Demonstration) provide leading edge tools that will enhance CB defense capabilities for U.S. forces in all CB defense missions in the near-term. The response to chemical and biological threats requires tailored approaches that recognize the fundamental differences between chemical and biological weapons (and even the different types of these threats). This budget details the comprehensive array of systems under development essential to support principles of contamination avoidance, protection, and decontamination.**

**Key systems in Budget Activity 4 and Budget Activity 5 in FY09 include: the Joint Chemical Agent Detector (JCAD) for portable point chemical agent detection, Joint Effects Model (JEM) and Joint Operational Effects Federation (JOEF) to provide risk management tools to the warfighter, Counterproliferation Advanced Concept Technology Demonstrations (ACTDs) and Advanced Technology Demonstrations (ATDs), Joint Service Sensitive Equipment Decontamination (JSSSED), Joint Portable Decontamination System (JPDS), Joint Platform Interior Decontamination (JPID), Joint Service Transportable Decontamination System Large Scale (JSTDS-LS), Joint NBC Reconnaissance System (JNBCRS) Increments II and III, Joint Biological Point Detection System (JBPDs), Joint Biological Stand-off Detection System (JBSDS) Increment II, Advanced Anticonvulsant System (AAS), Bioscavenger, Improved Nerve Agent Treatment System (INATS), biological defense vaccines (including botulinum vaccine and plague vaccine), Critical Reagents Program (CRP) to support development of reagents for biological detection and diagnostic systems, Joint Service Chemical/Biological/Radiological Agent Water Monitor (JCBRAWM), Joint Bio Tactical Detection System (JBTDS), Joint Warning and Reporting Network (JWARN), Joint Expeditionary Collective Protection (JECP), Joint Service Aircrew Mask (JSAM) and Medical Radiological Countermeasures.**

**In FY09, the CBDP will start or continue procurement on a variety of CB defense systems intended to provide U.S. forces with the best available equipment to survive, fight, and win in CB contaminated environments. JNBCRS Increment III will begin procurement in FY09. Systems continuing procurement in FY09 include, Multi-Service Radiacs (MSR), Joint Service Transportable Decontamination System - Small Scale (JSTDS-SS), the Joint Effects Model (JEM), Joint Service General Purpose Mask (JSGPM), JWARN, Joint Biological Agent Identification and Diagnostic System (JBAIDS), Joint Service Lightweight Integrated Suit Technology (JSLIST), JNBCRS Increment I and Increment II, Joint Bio Point Detection System (JBPDs), biological defense vaccines, CB Protective Shelters (CBPS), Collective Protective Field Hospitals (CPFH), Collective Protection System Backfit (CPSBKFT), JCAD, JCBRAWM, and chemical and biological defense equipment for installation force protection.**

**Overall, the FY 2009 President's Budget achieves a structured, executable, and integrated medical and non-medical joint CB Defense Program that balances urgent short-term procurement needs that include securing the homeland from terrorist attack, and long-term S&T efforts to mitigate future CB attacks. A key element of the program is the Transformational Medical Technologies Initiative (TMTI). This program is a major FY06 Quadrennial Defense Review initiative for the development of new technologies to reduce risk from the likely emergence of genetically engineered or manipulated biological agents.**

**The program supports our commitment to ensure full dimensional protection for all our fighting men and women operating at home and abroad under the threat of chemical and biological weapons. All of these capabilities are integrated as a family-of-systems essential to avoid contamination and to sustain operational tempo on an asymmetric battlefield, as well as satisfy emerging requirements for force protection and consequence management. In summary, the DoD CBDP remains committed to establishing the optimal balance between the near term requirement to field modernized equipment to the field, and the need to protect and replenish our long term investment in technology.**

**THIS PAGE INTENTIONALLY LEFT BLANK**



## Chemical/Biological Defense Procurement Program Summary

	<u>(\$ in Millions)</u>
FY 2007 Estimate	522.409
FY 2008 Estimate	547.527
FY 2009 Estimate	467.171

### Purpose and Scope of Work

The DoD Chemical and Biological Defense Program (CBDP) is a key part of a comprehensive national strategy to counter the threat of chemical and biological weapons as outlined in the National Military Strategy to Combat Weapons of Mass Destruction, February 2006. The military mission is to dissuade, deter, defend, and defeat those who seek to harm the United States, its allies, and its partners thru WMD use or threat of use and, if attacked, mitigate the effects and restore deterrence. This mission is in direct support of the three pillars (non-proliferation, counterproliferation, and consequence management) of the National Strategy for Combating WMD. The DoD CBDP provides research, development, and acquisition (RDA) programs primarily to support the counterproliferation and consequence management pillars. In support of counterproliferation, the DoD CBDP provides passive defenses tailored to the unique characteristics of the various chemical and biological weapons, including emerging threats. These capabilities provide U.S. forces the ability to rapidly and effectively mitigate the effects of a CB attack against our deployed forces. In support of consequence management, the DoD CBDP provides capabilities to respond to the effects of WMD use against our forces deployed abroad, and the homeland.

### Justification of Funds

Funding for this program was transferred from individual Service NBC defense procurement programs pursuant to Public Law 103-160, Title XVII.

**NBC Contamination Avoidance/CB Battle Management - Procurement of equipment to enhance U.S. capability to detect, collect samples, identify and provide warning of imminent WMD threats on the battlefield.**

- o FY07/08/09: Continues procurement of the Joint Biological Point Detection System (JBPDS); the Joint NBC Reconnaissance System (JNBCRS), a NBC detection and identification system; the Joint Warning & Reporting Network (JWARN) which integrates NBC legacy and future detector systems, NBC Warning and Reporting Software Modules, and NBC Battlefield Management Modules in the Joint Services Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR) general-purpose, accredited model for predicting NBC hazards associated with the release of contaminants into the C4ISR systems; the Joint Effects Model (JEM), a general-purpose, accredited model for predicting NBC hazards; the Joint Chemical Agent Detector (JCAD) is an automatic, lightweight, man-portable, point-sampling, chemical warfare agent vapor detection/warning system; and the Multi-Service Radiacs (MSR), a family of nuclear radiation detectors that are used by the Army, Marines and Navy to detect and measure various forms of nuclear radiation in the battle space and in Operations Other Than War. The systems allow them to avoid contamination and to reduce their exposure when avoidance is not possible.**
  
- o FY07: Continues procurement of the Reserve Component unit requirements and Automatic Chemical Agent Detector and Alarm (ACADA) for domestic preparedness response against WMD.**
  
- o FY 08: Continues procurement of the Joint Bio Standoff Detector System (JBSDS), a system capable of providing near real-time detection of biological attacks/incidents and standoff early warning detection/warning of biological warfare (BW) agents at fixed sites or when mounted on multiple platforms; Joint Service Lightweight Standoff CW Agent Detector (JSLSCAD) a chemical vapor detection system that will furnish 360-degree on-the-move coverage from ground, air, and sea-based platforms at distances of up to two kilometers; and the Joint Operational Effects Federation (JOEF) a modeling and simulation tool required to determine the effects and assess the impact and risks associated with CBRN hazards, as well as Toxic Industrial Materials (TIM), on military operations.**

- o **FY08: Completes procurement of the Critical Reagents Program (CRP) to ensure the quality and availability of reagents critical to the successful development, test, and operation of biological warfare detection systems; and NBC Recon Vehicle (NBCRV) a dedicated system of nuclear and chemical detection and warning equipment, and biological sampling equipment.**

**Force Protection - Procurement of Individual/Collective protection equipment and Vaccines (troop equivalent doses) to protect the soldier, sailor, airman or marine allowing personnel to operate in a contaminated CB environment.**

- o **FY07/08/09: Continues procurement of the Joint Service General Purpose Mask (JSGPM) a lightweight, protective Nuclear Biological Chemical mask system and Joint Service Chemical Environment Survivability Mask (JSCESM) a one size fits all, lightweight, and disposable mask that provides 2-8 hours of respiratory and face CB protection; protective clothing to include the Joint Service Lightweight Integrated Suit Technology (JSLIST) protective ensembles; a lightweight protective mask that will provide above-the-neck, head, eye/respiratory protection against CB agents, radioactive particles, and Toxic Industrial Materials (TIMs); the CB Installation/Force Protection Program, a suite of tiered sampling/collection, detection, identification and warning response designed to provide early, indoor/outdoor collection, detection, presumptive identification and warning capabilities; the Collective Protection System back fit installation on three Navy amphibious ship classes (LHA, LHD, and LSD); the CB Protective Shelter (CBPS) a highly mobile, self-contained collective protection system which provides a contamination free working area; CP Field Hospitals (CPFH) which provides Joint Service medical personnel NBC collectively protected medical treatment facilities; the Biological Vaccine Program that protects U.S. forces with FDA approved vaccines to protect against current and emerging WMD threats, which could be deployed against maneuver units or stationary facilities in the theater of operations; and Joint Bio Agent Identification and Diagnostic System (JBAIDS) a common medical test equipment platform for all the Military Services which will identify both BW agents and pathogens of operational concern, and will be used as a diagnostic tool by medical professionals to treat patients.**
- o **FY07/08: Continues production of the Joint Service Aircrew Mask (JSAM) system a lightweight, CB protective mask for all aircrew and the Joint Protective Aircrew Ensemble (JPACE) garment, which will provide aviators with improvements in protection from CB warfare agents, radiological particles, and TIMs.**

- o **FY08/09: Initiates the Joint Service Chemical/Biological/Radiological Agent Water Monitor (JCBRAWM) program which will provide the ability to detect, identify, and quantify chemical, biological, and radiological contamination.**

**NBC Decontamination Systems - Procurement of a more transportable, less labor intensive, and more effective system for applying decontaminating solutions, removing gross contamination from vehicle and equipment surfaces, and maximizing the ability of units to remove contamination both on the move and during dedicated decontamination operations.**

- o **FY07/08/09: Continues procurement of the Joint Service Transportable Decontamination System - Small Scale (JSTDS-SS) which will be transportable by a platform capable of being operated in close proximity to combat operations.**
- o **FY07/08: Continues the production of the Joint Service Personnel/Skin Decontamination System (JSPDS), which will be used by the war fighter to perform immediate decontamination of skin, field protective masks, mask hoods, chemical protective gloves, chemical protective boots and small scale weapons (under .50 caliber).**

**DEFENSE-WIDE  
FY 2008 PROCUREMENT PROGRAM**

**APPROPRIATION: 0300D PROCUREMENT, DEFENSE-WIDE  
BUDGET ACTIVITY 03: CHEMICAL/BIOLOGICAL DEFENSE**

**EXHIBIT P-1  
DATE: FEBRUARY 2008**

LINE NO.	ITEM NOMENCLATURE	IDENT CODE	MILLIONS OF DOLLARS			
			FY 2007	FY 2008	FY 2009	FY 2010
			QUANTITY COST	QUANTITY COST	QUANTITY COST	QUANTITY COST
CBDP						
89	INSTALLATION FORCE PROTECTION - JS1000		89.8	86.6	88.6	58.8
90	INDIVIDUAL PROTECTION - GP1000		89.2	126.7	80.2	84.7
91	DECONTAMINATION - PA1500		18.7	40.8	22.3	42.0
92	JOINT BIO DEFENSE PROGRAM (MEDICAL) - MA0800		46.9	55.6	38.7	54.4
93	COLLECTIVE PROTECTION - PA1600		43.3	39.6	37.8	41.7
94	CONTAMINATION AVOIDANCE - GP2000		234.5	198.3	199.6	265.3
	<b>TOTAL CHEMICAL/BIOLOGICAL DEFENSE</b>		<b>522.4</b>	<b>547.5</b>	<b>467.2</b>	<b>546.9</b>

**THIS PAGE INTENTIONALLY LEFT BLANK**

**Budget Line Item #89**  
**INSTALLATION FORCE PROTECTION**

**THIS PAGE INTENTIONALLY LEFT BLANK**



**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No:  
PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature  
(JS1000) INSTALLATION FORCE PROTECTION

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	312.5	89.8	86.6	88.6	58.8	59.5			Continuing	Continuing
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	312.5	89.8	86.6	88.6	58.8	59.5			Continuing	Continuing
Initial Spares										
Total Proc Cost	312.5	89.8	86.6	88.6	58.8	59.5			Continuing	Continuing
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** The Installation Force Protection Program provides Chemical, Biological, Radiological, and Nuclear (CBRN) protection for CONUS/OCONUS DoD installation physical structures as well military personnel and others within the perimeter of the military reservation. Also, this program supports the acquisition of CBRN defense equipment requirements for the National Guard Bureau's Weapons of Mass Destruction Civil Support Teams (WMD-CST) and the United States Army Reserve (USAR) Reconnaissance and Decontamination Platoons.

The Chemical, Biological, Radiological, and Nuclear (CBRN) Installation Protection Program (IPP) provides military installations with a highly effective and integrated CBRN installation protection and response capability. This capability consists of a Family of Systems (FoS) that includes detection, identification, warning, information management, individual and collective protection, restoration, medical surveillance, protection and response. The FoS sensor and communications network will leverage existing installation capabilities and will be integrated into the base operational command and control infrastructure. The program will procure a common suite of equipment that will be tailored for each installation utilizing both commercial sources and readily available Government Furnished Equipment (GFE). The final delivery of protection suite equipment and capability will vary for each site based upon individual installation requirements, threats and equipment already on-hand. The program will procure the CBRN systems, Emergency Responder Equipment Sets, New Equipment Training (NET), Contractor Logistics Support, spares, and associated initial consumable items required to field an integrated installation protection capability.

The WMD-CST program supports the acquisition and delivery of an integrated chemical, biological, and nuclear analytical detection and rapid response capability for the National Guard Bureau's Weapons of Mass Destruction CSTs and the United States Army Reserve (USAR) Chemical Reconnaissance and Decontamination Platoons. Capabilities include a state-of-the-art Command, Control, Communications, Computer, and Intelligence (C4I) system that enables secure communications with federal, state, and local authorities from a WMD incident site.

**JUSTIFICATION:** Installation Force Protections primary objective is to strengthen efforts for improving DoD installations against Chemical and Biological (CB) threats. WMD-CST allows for the equipping of Reserve Component units to provide enhanced response capabilities and to provide for additional support against the threat of terrorist CB attacks to American cities and communities in emergency and disaster situations. Also, this effort allows selected National Guard and other reserve component units to respond to and contain the effects of CB incidents in this country. Advanced chemical defensive equipment is required to enhance US capability to detect and identify threat agents in the battle space and the homeland.

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (JS1000) INSTALLATION FORCE PROTECTION			Weapon System Type:			Date: February 2008			
<b>Weapon System Cost Elements</b>		ID	<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>					
		CD				Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
						\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
WMD - CIVIL SUPPORT TEAM EQUIPMENT						30746			800					
CB INSTALLATION FORCE PROTECTION PROGRAM						59019			85829			88565		
<b>TOTAL</b>						<b>89765</b>			<b>86629</b>			<b>88565</b>		

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No:  
PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature  
(JS0004) WMD - CIVIL SUPPORT TEAM EQUIPMENT

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	78.3	30.7	0.8						Continuing	Continuing
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	78.3	30.7	0.8						Continuing	Continuing
Initial Spares										
Total Proc Cost	78.3	30.7	0.8						Continuing	Continuing
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** This program supports the acquisition and delivery of an integrated chemical, biological, and nuclear analytical detection and rapid response capability the National Guard Bureau's Weapons of Mass Destruction Civil Support Teams (WMD-CST), the United States Army Reserve (USAR) Chemical Recon and Decon Platoons and the 20th Support Command Nuclear Disablement (NDT) and Chemical Biological Radiological Nuclear and Explosive (CBRNE) Teams. Capabilities include a state-of-the-art Command, Control, Communications, Computer, and Intelligence (C4I) system that enables secure communications with federal, state, and local authorities from a WMD incident site.

Major end items for this commercial off-the-shelf (COTS) based acquisition program include the Analytical Laboratory System (ALS), and the Unified Command Suite (UCS) for the WMD-CST. The ALS provides a mobile laboratory platform that incorporates advanced analytical detection technology for the identification of Chemical Warfare (CW) agents, Toxic Industrial Chemicals (TICs), Toxic Industrial Materials (TIMs), Biological Warfare (BW) agents. The UCS provides secure communications interoperability with the ALS and reach back capability to federal, state, and local authorities from the incident site. The Commercial off-the-shelf Small Projects Acquisition (C-SPA) effort provides a systemized methodology for selecting, verifying and validating Commercial off-the-shelf (COTS) equipment under consideration for fulfilling unmet requirements documented in the WMD-CST and USAR Tables of Distribution and Allowances. C-SPA ensures equipment purchases meet established standards of performance before purchase and distribution to units.

**Exhibit P-40C, Budget Item Justification Sheet**

Date:

February 2008

Appropriation/Budget Activity/Serial No:

PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature

(JS0004) WMD - CIVIL SUPPORT TEAM EQUIPMENT

Program Elements for Code B Items:

0603884BP/Proj CM4; 0604384BP/Proj CM5

Code:

B

Other Related Program Elements:

**RD&E Code B Item**

This Commercial off-the-shelf (COTS) based acquisition program supports the development of an upgraded analytical detection capability designed to improve the selectivity and sensitivity of the Analytical Laboratory System (ALS Increment 1), enhanced command, control, communications, computers, and intelligence (C4I) systems capability for the Unified Command Suite (UCS Increment 1), and training devices for the Weapons of Mass Destruction Civil Support Teams (WMD CSTs). In addition, this program tests and evaluates COTS protection, detection and decontamination component equipment against established criteria in order to determine their ability to meet, WMD CST and United States Army Reserve (USAR) Recon and Decon Platoon, and 20th Support Command Nuclear Disablement (NDT) and Chemical, Biological, Radiological, Nuclear and Explosive (CBRNE) Teams requirements. The ALS provides a mobile laboratory platform that incorporates advanced analytical detection technology for the identification of Chemical Warfare (CW) agents, Toxic Industrial Chemicals (TICs), Toxic Industrial Materials (TIMs), Biological Warfare (BW) agents. The UCS provides secure communications interoperability with the ALS and reach back capability to Federal, State, and Local authorities from the incident site.

RD&E FY06 and Prior - 27.2M; FY07 - 4.0M

**DEVELOPMENT/TEST STATUS AND MAJOR MILESTONES**

**START**

**COMPLETE**

**ALS INCREMENT 1 PROGRAM**

1Q FY03

4Q FY08

Inc 1 - System Verification Test

3Q FY07

4Q FY07

Inc 1 - Fielding

1Q FY08

4Q FY08

**UCS INCREMENT 1 PROGRAM**

1Q FY04

3Q FY08

Inc 1 - Fielding

2Q FY07

3Q FY08

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (JS0004) WMD - CIVIL SUPPORT TEAM EQUIPMENT			Weapon System Type:			Date: February 2008			
<b>Weapon System Cost Elements</b>		ID				<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
		CD				Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
						\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>UCS INCREMENT 1</b>														
UCS Increment 1 Upgrade						5050	11	459						
IPV4 to IPV6 Comms Standard						2326	64	36.344						
Engineering Support						370								
<b>LOUISIANA CST - CONGRESSIONAL</b>														
Integrated Communications System									800	1	800			
<b>ALS INCREMENT 1</b>														
System Verification Test						270								
ALS Increment 1 Upgrade						4158	11	378						
Filtration System Upgrade						2438	63	38.698						
Engineering Support						464								
System Fielding Support						970								
<b>COTS-SMALL PROJECTS ACQUISITION (C-SPA)</b>														
C-SPA Ahura First Defenders						2560	65	39.385						
Chem Bio Detection, PPE, Decon Equipt Modernization						4400	63	69.841						
<b>FLORIDA CST #2 STAND UP</b>														
ALS Block 0						470	1	470						
UCS Baseline						1300	1	1300						
Chem Bio Detection, PPE, Decon Equipment Set						850	1	850						
<b>NEW YORK CST #2 STAND UP</b>														
ALS Block 0						470	1	470						
UCS Baseline						1300	1	1300						
Chem Bio Detection, PPE, Decon Equipment Set						850	1	850						
<b>20TH SUPPORT COMMAND - NDT / CBRNE</b>														
Chem, Bio, PPE, Detection, Decon Equipment Set						2500	3	833						
<b>TOTAL</b>						<b>30746</b>			<b>800</b>					

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (JS0004) WMD - CIVIL SUPPORT TEAM EQUIPMENT					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
Integrated Communications System FY 08	Unknown	MIPR	RDECOM, Edgewood, MD	Feb-08	May-08	1	800000	Yes		
ALS Increment 1 Upgrade FY 07	EAI Corporation, Abingdon, MD	C/CPIF Opt #1	RDECOM, Edgewood, MD	Dec-06	Dec-08	11	378000	Yes		Jun-06
Chem Bio Detection, PPE, Decon Equipt Modernization FY 07	Unknown	MIPR	RDECOM, Edgewood, MD	Feb-08	May-08	63	69841	Yes		
Florida CST #2 Stand Up FY 07	SOFSA, Lexington, KY	MIPR	Supply Support Activity, Lexington, KY	Aug-07	Jul-08	1	2620000	Yes		
New York CST #2 FY 07	SOFSA, Lexington, KY	MIPR	Supply Support Activity, Lexington, KY	Aug-07	Jul-08	1	2620000	Yes		

**REMARKS:**

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (JS0004) WMD - CIVIL SUPPORT TEAM EQUIPMENT					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
20th Support Command - NDT/CBRNE FY 07	Strategic Response Initiatives, Watervliet, NY	MIPR	US Army Watervliet Arsenal, Watervliet, NY	Dec-07	Apr-08	3	833333	Yes		

**REMARKS:**







**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No:  
PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature  
(JS0500) CB INSTALLATION FORCE PROTECTION PROGRAM

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	227.0	59.0	85.8	88.6	58.8	59.5				578.8
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	227.0	59.0	85.8	88.6	58.8	59.5				578.8
Initial Spares										
Total Proc Cost	227.0	59.0	85.8	88.6	58.8	59.5				578.8
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** The Chemical, Biological, Radiological, and Nuclear (CBRN) Installation Protection Program (IPP) provides military installations with a highly effective and integrated CBRN installation protection and response capability. This capability consists of a tiered Family of Systems (FoS) that includes detection, identification, warning, incident management, individual and collective protection, medical surveillance, protection, response and initial recovery. The Baseline Tier consists of non-material solutions to include training materials, military and civilian CONOPS and Memorandum of Agreement (MOA) templates, and exercise plans and scenarios. Tier 1 adds to the Baseline Tier by providing material solutions to include CBRN portable and handheld detection, mass casualty response capability, individual protective equipment, incident management systems, and first responder pharmaceuticals. Tier 2 consists of the Baseline and Tier 1 capabilities and adds collective protection, decision support systems, and fixed radiological, chemical, and biological sensors. This approach is flexible enough to accommodate the needs of specific installations, while standardizing major system elements to provide cost effective solutions. The program will procure a common suite of equipment that will be tailored for each installation utilizing both commercial sources and readily available government furnished equipment (GFE). The final delivery of protection suite equipment and capability will vary for each site based upon individual installation requirements, threats and equipment already on-hand. The contractor is responsible for the preparation and conduct of new equipment training (NET), table top, and fielding exercises. The Joint Project Manager provides one year of integrated logistics support (ILS) to the installation following fielding. The program will procure and field capability tiered systems to approximately 139 high priority CONUS and OCONUS DoD installations thru FY 11.

**JUSTIFICATION:** FY09 funds will procure, install and field 15 installation equipment sets.

**Exhibit P-40C, Budget Item Justification Sheet**

Date:

February 2008

Appropriation/Budget Activity/Serial No:

PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature

(JS0500) CB INSTALLATION FORCE PROTECTION PROGRAM

Program Elements for Code B Items:

0604384BP/Proj CM5

Code:

Other Related Program Elements:

The Chemical, Biological, Radiological, and Nuclear (CBRN) Installation Protection Program (IPP) provides military installations with a highly effective and integrated CBRN installation protection and response capability. This capability consists of a tiered Family of Systems (FoS) that includes detection, identification, warning, incident management, individual and collective protection, restoration, medical surveillance, protection and response. The tiered FoS sensor and communications network will leverage existing installation capabilities and will be integrated into the base operational command and control infrastructure. The program will procure a common suite of equipment that will be tailored for each installation utilizing both commercial sources and readily available government furnished equipment (GFE). The final delivery of protection suite equipment and capability will vary for each site based upon individual installation requirements, threats and equipment already on-hand. The program utilizes a contractor to procure the commercial off-the-shelf (COTS) CBRN systems and sensors and emergency responder equipment sets. The contractor is responsible for the preparation and conduct of new equipment training (NET) and fielding exercises. The contractor will assemble, deliver and install the specific items of equipment needed to optimize CBRN protection and response capability at each targeted installation and provides one year of integrated logistics support (ILS) to the installation following fielding. The Government Joint Project Manager (JPM) procures government off-the-shelf systems from existing program managers or item managers and delivers these systems/items to the contractor for integration with required COTS equipment and fielding to the installation.

RDT&E FY09 - 2.5M; FY10 - 3.0M

**DEVELOPMENT/TEST STATUS AND MAJOR MILESTONES**

**START**

**COMPLETE**

Technology Evaluation

1Q FY09

4Q FY09

System Architecture Development

1Q FY10

4Q FY10

Bio-Collection/Detection Evaluation

1Q FY10

4Q FY10

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (JS0500) CB INSTALLATION FORCE PROTECTION PROGRAM			Weapon System Type:			Date: February 2008		
<b>Weapon System Cost Elements</b>		ID	<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>				
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost		
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000		
<b>IPP TIER 1 (T1) INSTALLATIONS - CONUS</b>													
T1 CONUS Contract Site Survey and Design						5184	12	432	3973	9	441		
T1 CONUS Contract Prime Mission Equipment			9407	9	1045	13002	12	1084	10720	9	1191		
T1 CONUS Contract Integration and Fielding			3627	9	403	4997	12	416	3859	9	429		
T1 CONUS Government Integration and Fielding			447	9	49.667	612	12	51	481	9	53.444		
T1 CONUS Contract Test and Evaluation			613	9	68.111	852	12	71	653	9	72.556		
T1 CONUS Contract Systems Engineering/ Program Management			1663			8904			6845				
T1 CONUS Contract Integrated Logistics Support			504	9	56	754	12	62.833	595	9	66.111		
T1 CONUS Contract Training and Exercise			4185			5691			4362				
T1 CONUS Government Training and Exercise			182			252			193				
<b>IPP TIER 2 (T2) INSTALLATIONS - CONUS</b>													
T2 CONUS Contract Site Survey and Design									1034	1	1034		
T2 CONUS Contract Equipment Procurement									779	1	779		
T2 CONUS Contract Test and Evaluation									243	1	243		
T2 CONUS Contract Integration and Fielding									1500	1	1500		
T2 CONUS Government Integration and Fielding									45	1	45		
T2 CONUS Contract Systems Engineering/ Program Management									761	1	761		
T2 CONUS Contract Integrated Logistics Support									261	1	261		
T2 CONUS Contract Training and Exercise									621				
T2 CONUS Government Training and Exercise									21				
<b>IPP GOVERNMENT FURNISHED EQUIPMENT (GFE) -- CONUS</b>													
Fixed Site Dry Filter Unit									25	6	4.167		
Portable Dry Filter Unit			491	72	6.819	668	96	6.958	512	72	7.111		
Fixed Site Chemical Detector									221	10	22.100		
Radiation Portal Monitor -- POV									157	2	78.500		
Radiation Portal Monitor -- Commercial Vehicle									120	1	120		
Bio Sample Collection Kit			3	9	0.333	4	12	0.333	4	10	0.400		
ICAM			121	24	5.042	130	25	5.200	111	21	5.286		

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (JS0500) CB INSTALLATION FORCE PROTECTION PROGRAM			Weapon System Type:			Date: February 2008		
<b>Weapon System Cost Elements</b>		ID	<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>				
		CD		Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	
				\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	
Portable Chemical Monitor (M22 and auxiliary equipment)				350	26	13.462	606	44	13.773	549	39	14.077	
AN/PDR-77 Radiation Detector and Subassembly				406	48	8.458	95	11	8.636	53	6	8.833	
AN/PDQ-1 Portable Radiation Detector with Radiac Probe							29	14	2.071	25	12	2.083	
AN/UDR-14 Radiation Dosimeter				365	488	0.748	47	61	0.770	48	61	0.787	
EPD Mark II Radiation Dosimeter and Accessories				12	30	0.400	293	731	0.401	245	600	0.408	
EPD N-2 Radiation Dosimeter and Accessories				84	102	0.824	58	69	0.841	41	48	0.854	
ADM-300 C Portable Radiation Detector				17	5	3.400	68	20	3.400	52	15	3.467	
Radiological Identification (GR-135)				297	36	8.250	261	31	8.419	189	22	8.591	
IrDA Dosimeter Reader				9	10	0.900	21	23	0.913	18	19	0.947	
M256 Chemical Agent Detector Kit				5	36	0.139	3	24	0.125	3	16	0.188	
M256 Training Kits				9	36	0.250	6	24	0.250	4	16	0.250	
Hand Held Assays				26	360	0.072	46	600	0.077	40	520	0.077	
Medical Response Pharmaceuticals				159	9	17.667	217	12	18.083	184	10	18.400	
M279 Surface Sampler				29	26	1.115	50	44	1.136	45	39	1.154	
Lightweight Decon System				145	8	18.125	148	8	18.500	132	7	18.857	
M295 Decon Kit				18	540	0.033	20	594	0.034	16	474	0.034	
M291 Decon Kit				13	540	0.024	11	460	0.024	6	240	0.025	
RSDL Decon Kit							43	720	0.060	44	720	0.061	
<b>IPP TIER 1 (T1) INSTALLATIONS - OCONUS</b>													
T1 OCONUS Site Survey and Design							1685	3	562	2366	4	592	
T1 OCONUS Contract Prime Mission Equipment				3605	3	1202	3628	3	1209	5006	4	1252	
T1 OCONUS Contract Test and Evaluation				190	3	63.333	197	3	65.667	268	4	67	
T1 OCONUS Government Test and Evaluation				86	3	28.667	89	3	29.667	121	4	30.250	
T1 OCONUS Contract Integration and Fielding				49	3	16.333	51	3	17	70	4	17.500	
T1 OCONUS Government Integration and Fielding				1491	3	497	1539	3	513	2106	4	527	
T1 OCONUS Contract Systems Engineering/ Program Management				554			2226			3042			
T1 OCONUS Contract Integrated Logistics Support				191	3	63.667	197	3	65.667	271	4	67.750	

<b>Exhibit P-5, Weapon</b>		Appropriation/Budget Activity/Serial No.			P-1 Line Item Nomenclature:			Weapon System Type:			Date:		
<b>WPN SYST Cost Analysis</b>		PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			(JS0500) CB INSTALLATION FORCE PROTECTION PROGRAM						February 2008		
<b>Weapon System</b>	ID				<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
	CD				Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
					\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
T1 OCONUS Contractor Training and Exercise					1812			1837			2475		
T1 OCONUS Government Training and Exercise					79			84			115		
<b>IPP TIER 2 (T2) INSTALLATIONS - OCONUS</b>													
T2 OCONUS Contract Site Survey and Design								1358	1	1358	1387	1	1387
T2 OCONUS Contract Equipment Procurement								1151	1	1151	1428	1	1428
T2 OCONUS Contractor Test and Evaluation								385	1	385	391	1	391
T2 OCONUS Government Test and Evaluation								146	1	146	149	1	149
T2 OCONUS Contract Integration and Fielding								1901	1	1901	1977	1	1977
T2 OCONUS Government Integration and Fielding								560	1	560	573	1	573
T2 OCONUS Contractor Systems								742			761		
Engineering/Program Management													
T2 OCONUS Contractor Integrated Logistics								344	1	344	372	1	372
Support													
T2 OCONUS Contractor Training and Exercise								798			816		
T2 OCONUS Government Training and Exercise								28			29		
<b>IPP GFE -- OCONUS</b>													
Fixed Site Dry Filter Unit								33	6	5.500	34	6	5.667
Portable Dry Filter Unit					219	24	9.125	224	32	7	305	32	9.531
Fixed Site Chemical Detector								290	10	29	296	10	29.600
Radiation Portal Monitor -- POV								206	2	103	211	2	106
Radiation Portal Monitor -- Commercial Vehicle								158	1	158	161	1	161
Bio Sample Collection Kit					1	3	0.333	2	5	0.400	2	5	0.400
ICAM					61	9	6.778	42	6	7	71	10	7.100
Portable Chemical Monitor (M22 and Associated Equipment)					270	15	18	184	10	18.400	244	13	18.769
AN/PDR-77 Radiation Detector and Subassembly								139	12	11.583	201	17	11.824
AN/PDQ-1 Portable Radiation Detector with Radiac Probe					16	6	2.667				6	2	3
AN/UDR-14 Radiation Dosimeter								125	122	1.025	128	122	1.049
EPD Mk II Radiation Dosimeter and Accessories					134	255	0.525	32	60	0.533	88	161	0.547

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (JS0500) CB INSTALLATION FORCE PROTECTION PROGRAM			Weapon System Type:			Date: February 2008		
<b>Weapon System Cost Elements</b>		ID	<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>				
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost		
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000		
EPD N-2 Radiation Dosimeter and Accessories			10	9	1.111	40	36	1.111	59	51	1.157		
ADM-300 C Portable Radiation Detector						46	10	4.600	47	10	4.700		
Radiological Identification (GR-135)			33	3	11	181	16	11.313	242	21	11.524		
IrDA Dosimeter Reader			7	6	1.167	7	6	1.167	10	8	1.250		
M256 Chemical Agent Detector Kit						3	16	0.188	4	20	0.200		
M256 Training Kits						5	16	0.313	7	20	0.350		
Hand Held Assays			18	180	0.100	16	160	0.100	20	200	0.100		
Medical Response Pharmaceuticals			71	3	23.667	97	4	24.250	124	5	24.800		
M279 Surface Sampler			22	15	1.467	15	10	1.500	20	13	1.538		
Lightweight Decon System			73	3	24.333	50	2	25	76	3	25.333		
M295 Decon Kit			5	117	0.043	11	240	0.046	14	300	0.047		
M291 Decon Kit						8	240	0.033	13	400	0.033		
RSDL Decon Kit			28	360	0.078								
<b>OTHER COSTS</b>													
Contract Source Selection			2800										
Acquisition Documentation and Analysis			384										
Government Program Management			7569			7840			7240				
Tier 0 Baseline Products			2735			929			942				
Bioanalysis Facility Operations			1892			1937			2015				
Government Logistics Support			2997			2960			3655				
Government Systems Engineering			6897			6126			6106				
Government OCONUS Mass Notification/Telephone Alerting System			1533	3	511	2105	4	526	2711	5	542		
<b>TOTAL</b>			<b>59019</b>			<b>85829</b>			<b>88565</b>				

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No:  
PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

Weapon System Type:

P-1 Line Item Nomenclature:  
(JS0500) CB INSTALLATION FORCE PROTECTION PROGRAM

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
IPP Tier 1 (T1) Installations -- CONUS										
FY 07	Unknown	C/FP	Unknown	Feb-08	Oct-08	9	2166111	Yes		
FY 08	Unknown	C/FP	Unknown	Feb-08	Oct-08	12	3219167	Yes		
FY 09	Unknown	C/FP	Unknown	Oct-08	Jun-09	9	3379111	Yes		
T1 CONUS Contract Integrated Logistics Support										
FY 07	Unknown	C/FP	Unknown	May-08	May-09	9	56000	Yes		
FY 08	Unknown	C/FP	Unknown	Aug-08	Aug-09	12	62833	Yes		
FY 09	Unknown	C/FP	Unknown	Jun-09	Jun-10	9	66111	Yes		
IPP Tier 2 (T2) Installations -- CONUS										
FY 09	Unknown	C/FP	Unknown	Dec-08	Oct-09	1	4938000	Yes		
T2 CONUS Contract Integrated Logistics Support										
FY 09	Unknown	C/FP	Unknown	Oct-09	Oct-10	1	261000	Yes		
EPD N-2 Radiation Dosimeter and Accessories										
FY 07	Government Scientific Sources, Reston, VA	C/FFP	SMDC, Huntsville, AL	Mar-07	Apr-07	102	824	Yes		

**REMARKS:** IPP Recompete Contract is expected to be awarded 2Q FY08.  
 The Joint Program Office is procuring the Radiological Identification equipment, ADM 300 and EPD N2 (dosimeters) separately on a competitive basis for delivery to the IPP LSI for integration and fielding to installation sites.  
 Significant cost increases for CONUS and OCONUS Tier 1 Installations between FY07 and FY08 are due to design tasks not being performed on FY07 installations (designs were accomplished under previous contract).



**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No:  
PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

Weapon System Type:

P-1 Line Item Nomenclature:  
(JS0500) CB INSTALLATION FORCE PROTECTION PROGRAM

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
EPD N-2 Radiation Dosimeter and Accessories (cont)										
FY 08	Government Scientific Sources, Reston, VA	C/FFP	SMDC, Huntsville, AL	Mar-08	Apr-08	69	841	Yes		
FY 09	Government Scientific Sources, Reston, VA	C/FFP	SMDC, Huntsville, AL	Mar-09	Apr-09	48	854	Yes		
ADM-300 C Portable Radiation Detector										
FY 07	Canberra Dover Inc, Dover, NJ	C/FFP	SMDC, Huntsville, AL	Mar-07	Apr-07	5	3400	Yes		
FY 08	Canberra Dover Inc, Dover, NJ	C/FFP	SMDC, Huntsville, AL	Mar-08	Apr-08	20	3400	Yes		
FY 09	Canberra Dover Inc, Dover, NJ	C/FFP	SMDC, Huntsville, AL	Mar-09	Apr-09	15	3467	Yes		
Radiological Identification (GR-135)										
FY 07	SAIC, Abingdon, MD	C/FFP	SMDC, Huntsville, AL	Mar-07	Apr-07	36	8250	Yes		
FY 08	SAIC, Abingdon, MD	C/FFP	SMDC, Huntsville, AL	Mar-08	Apr-08	31	8419	Yes		
FY 09	SAIC, Abingdon, MD	C/FFP	SMDC, Huntsville, AL	Mar-09	Apr-09	22	8591	Yes		

**REMARKS:** IPP Recompete Contract is expected to be awarded 2Q FY08.  
 The Joint Program Office is procuring the Radiological Identification equipment, ADM 300 and EPD N2 (dosimeters) separately on a competitive basis for delivery to the IPP LSI for integration and fielding to installation sites.  
 Significant cost increases for CONUS and OCONUS Tier 1 Installations between FY07 and FY08 are due to design tasks not being performed on FY07 installations (designs were accomplished under previous contract).

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No:  
PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

Weapon System Type:

P-1 Line Item Nomenclature:  
(JS0500) CB INSTALLATION FORCE PROTECTION PROGRAM

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
IrDA Dosimeter Reader										
FY 07	Government Scientific Sources, Reston, VA	C/FFP	SMDC, Huntsville, AL	Mar-07	Apr-07	10	900	Yes		
FY 08	Government Scientific Sources, Reston, VA	C/FFP	SMDC, Huntsville, AL	Mar-08	Apr-08	23	913	Yes		
FY 09	Government Scientific Sources, Reston, VA	C/FFP	SMDC, Huntsville, AL	Mar-09	Apr-09	19	947	Yes		
IPP Tier 1 (T1) Installations - OCONUS										
FY 07	Unknown	C/FP	Unknown	Oct-07	Aug-08	3	2070000	Yes		
FY 08	Unknown	C/FP	Unknown	Apr-08	Feb-09	3	3208000	Yes		
FY 09	Unknown	C/FP	Unknown	Dec-08	Oct-09	4	3306750	Yes		
T1 OCONUS Contract Integrated Logistics Support										
FY 07	Unknown	C/FP	Unknown	Aug-08	Aug-09	3	63667	Yes		
FY 08	Unknown	C/FP	Unknown	Apr-08	Feb-09	3	65667	Yes		
FY 09	Unknown	C/FP	Unknown	Dec-08	Oct-09	4	67750	Yes		
IPP Tier 2 (T2) Installations - OCONUS										
FY 08	Unknown	C/FP	Unknown	Apr-08	Feb-09	1	6335000	Yes		

**REMARKS:** IPP Recompete Contract is expected to be awarded 2Q FY08.  
 The Joint Program Office is procuring the Radiological Identification equipment, ADM 300 and EPD N2 (dosimeters) separately on a competitive basis for delivery to the IPP LSI for integration and fielding to installation sites.  
 Significant cost increases for CONUS and OCONUS Tier 1 Installations between FY07 and FY08 are due to design tasks not being performed on FY07 installations (designs were accomplished under previous contract).

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (JS0500) CB INSTALLATION FORCE PROTECTION PROGRAM					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
IPP Tier 2 (T2) Installations - OCONUS (cont)										
FY 09	Unknown	C/FP	Unknown	Feb-09	Dec-09	1	6760000	Yes		
T2 OCONUS Contractor Integrated Logistics Support										
FY 08	Unknown	C/FP	Unknown	Feb-09	Feb-10	1	344000	Yes		
FY 09	Unknown	C/FP	Unknown	Dec-09	Dec-10	1	372000	Yes		
EPD N-2 Radiation Dosimeter and Accessories										
FY 07	Government Scientific Sources, Reston, VA	C/FFP	SMDC, Huntsville, AL	Mar-07	Apr-07	9	1111	Yes		
FY 08	Government Scientific Sources, Reston, VA		SMDC, Huntsville, AL	Mar-08	Apr-08	36	1111	Yes		
FY 09	Government Scientific Sources, Reston, VA	C/FFP	SMDC, Huntsville, AL	Mar-09	Apr-09	51	1157	Yes		
ADM-300 C Portable Radiation Detector										
FY 08	Canberra Dover Inc, Dover, NJ	C/FFP	SMDC, Huntsville, AL	Mar-08	Apr-08	10	4600	Yes		

**REMARKS:** IPP Recompete Contract is expected to be awarded 2Q FY08.  
 The Joint Program Office is procuring the Radiological Identification equipment, ADM 300 and EPD N2 (dosimeters) separately on a competitive basis for delivery to the IPP LSI for integration and fielding to installation sites.  
 Significant cost increases for CONUS and OCONUS Tier 1 Installations between FY07 and FY08 are due to design tasks not being performed on FY07 installations (designs were accomplished under previous contract).

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (JS0500) CB INSTALLATION FORCE PROTECTION PROGRAM					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
ADM-300 C Portable Radiation Detector (cont)										
FY 09	Canberra Dover Inc, Dover, NJ	C/FFP	SMDC, Huntsville, AL	Mar-09	Apr-09	10	4700	Yes		
Radiological Identification (GR-135)										
FY 07	SAIC, Abingdon, MD	C/FFP	SMDC, Huntsville, AL	Mar-07	Apr-07	3	11000	Yes		
FY 08	SAIC, Abingdon, MD	C/FFP	SMDC, Huntsville, AL	Mar-08	Apr-08	16	11313	Yes		
FY 09	SAIC, Abingdon, MD	C/FFP	SMDC, Huntsville, AL	Mar-09	Apr-09	21	11524	Yes		

**REMARKS:** IPP Recompete Contract is expected to be awarded 2Q FY08.  
 The Joint Program Office is procuring the Radiological Identification equipment, ADM 300 and EPD N2 (dosimeters) separately on a competitive basis for delivery to the IPP LSI for integration and fielding to installation sites.  
 Significant cost increases for CONUS and OCONUS Tier 1 Installations between FY07 and FY08 are due to design tasks not being performed on FY07 installations (designs were accomplished under previous contract).





**Budget Line Item #90**  
**INDIVIDUAL PROTECTION**

**THIS PAGE INTENTIONALLY LEFT BLANK**



**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No:  
PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature  
(GP1000) INDIVIDUAL PROTECTION

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	1423.6	89.2	126.7	80.2	84.7	60.4	62.5	58.7	Continuing	Continuing
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	1423.6	89.2	126.7	80.2	84.7	60.4	62.5	58.7	Continuing	Continuing
Initial Spares										
Total Proc Cost	1423.6	89.2	126.7	80.2	84.7	60.4	62.5	58.7	Continuing	Continuing
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** Program provides for protective masks, respiratory systems, and protective clothing. The Joint Service General Purpose Mask (JSGPM) is a lightweight, protective Nuclear Biological Chemical (NBC) mask system. It incorporates state-of-the-art technology to protect the Joint Forces from anticipated threats. The JSGPM will provide above-the-neck, head, eye/respiratory protection against Chemical and Biological (CB) agents, radioactive particles, and Toxic Industrial Materials (TIMs). The JSGPM mask system will replace the M40/M42 series (Army and Marine Corps), the MCU-2/P series (Air Force and Navy), and the M45 mask in the Land Warrior program. The Improved Protective Mask M53 (IPM) provides greater range of view, low profile, and interoperability with special SOCOM CB suits and will be used for counterproliferation missions for SOCOM. The Joint Service Chemical Environment Survivability Mask (JSCESM) is a one size fits all, lightweight, and disposable mask that provides 2-8 hours of respiratory and face protection against vapor and aerosol CB agents in low levels of contamination for U.S. Air Force missions. The Joint Service Aircrew Mask (JSAM) system is a lightweight, CB protective mask which can be worn as CB protection for all aircrew. The warfighter's capability will be enhanced with the addition of anti-G features, the system with provide simultaneous CB and anti-G protection in high performance aircraft. The Joint Service Mask Leakage Tester (JSMLT) is a portable, unit-level device to determine proper fit and identify defective components of current and future protective masks. In the area of protective clothing: The Joint Service Lightweight Integrated Suit Technology (JSLIST) program will procure and field a common chemical protective ensemble (suits, boots, socks, and gloves) to US Forces. JSLIST promotes commonality and standardization to maximize resources and eliminate redundancy among the Services. The Joint Protective Aircrew Ensemble (JPACE) garment will provide protection from Chemical and Biological (CB) warfare agents, radiological particles, and toxic industrial materials to aircrew of all military services and special forces. JPACE provides aviators with improvements in protection, reduced heat stress in CB environments, and extended wear and service life.

**JUSTIFICATION:** Operational forces across the continuum of global, contingency, special operations/low intensity conflict, counternarcotics, and other high risk missions have an immediate need to survive and sustain operations in a CB threat environment. Individual protection is provided by means of masks, protective clothing, and aircrew respiratory systems and ensembles. The Joint NBC Defense program includes individual protection equipment that both improves current protection levels and reduces the physiological and logistical burden on the individual soldier, sailor, airman or marine. The goal is to procure equipment that will allow for the individual to operate in a contaminated CB environment with minimal degradation in his/her performance.

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (GP1000) INDIVIDUAL PROTECTION			Weapon System Type:			Date: February 2008		
<b>Weapon System Cost Elements</b>		ID	<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>				
		CD			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
					\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
JT SVC AIRCREW MASK (JSAM)					1790			21591					
JOINT SERVICE GENERAL PURPOSE MASK (JSGPM/JSCESM)					35423			45533			42615		
JOINT PROTECTIVE AIRCREW ENSEMBLE (JPACE)					6250			10952					
JOINT SERVICE MASK LEAKAGE TESTER (JSMLT)					14434			9854					
PROTECTIVE CLOTHING					31277			38745			37596		
<b>TOTAL</b>					<b>89174</b>			<b>126675</b>			<b>80211</b>		

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No:  
PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature  
(JI0002) JT SVC AIRCREW MASK (JSAM)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty			6536		4445					10981
Gross Cost	0.7	1.8	21.6		15.7					39.8
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	0.7	1.8	21.6		15.7					39.8
Initial Spares										
Total Proc Cost	0.7	1.8	21.6		15.7					39.8
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** The Joint Service Aircrew Mask (JSAM) system is a lightweight, Chemical and Biological (CB) protective mask which can be worn as CB protection for all aircrew. The warfighter's capability will be enhanced with the addition of anti-G features, the system will provide simultaneous CB and anti-G protection in high performance aircraft. Commonality between and within services is currently non-existent. The Army needed to re-design the M-48 mask to provide CB protection to AH-64 Apache aircrews. The current Air Force and Navy CB protective masks are not capable of providing anti-G protection. JSAM will be compatible with existing CB ensembles and life support equipment. JSAM is targeted to provide combined capability to enable the warfighter of the 21st century to fulfill full mission requirements. The JSAM program includes two major variants (Type I - Rotary Wing, and Type II - Fixed Wing), as well as the Integrated Helmet & Display Sighting System (IHADSS Type 1A) variant.

**Exhibit P-40C, Budget Item Justification Sheet**

Date:

February 2008

Appropriation/Budget Activity/Serial No:

PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature

(JI0002) JT SVC AIRCREW MASK (JSAM)

Program Elements for Code B Items:

0604384BP/Proj IP5

Code:

B

Other Related Program Elements:

**RD&E Code B Item**

The Joint Service Aircrew Mask (JSAM) system is a lightweight, Chemical and Biological (CB) protective mask which can be worn as CB protection for all aircrew. The warfighter's capability will be enhanced with the addition of anti-G features, the system will provide simultaneous CB and anti-G protection in high performance aircraft. Commonality between and within services is currently non-existent. The Army needed to re-design the M-48 mask to provide CB protection to AH-64 Apache aircrews. The current Air Force and Navy CB protective masks are not capable of providing anti-G protection. JSAM will be compatible with existing CB ensembles and life support equipment. JSAM is targeted to provide combined capability to enable the warfighter of the 21st century to fulfill full mission requirements. The JSAM program includes two major variants (Type I - Rotary Wing, and Type II - Fixed Wing), as well as the Integrated Helmet & Display Sighting System (IHADSS Type 1A) variant.

RD&E FY06 and Prior - 62.2M; FY07 - 12.5M; FY08 - 12.6M; FY09 - 21.0M

**DEVELOPMENT/TEST STATUS AND MAJOR MILESTONES**

**START**

**COMPLETE**

SDD

1Q FY03

3Q FY10

Types I/IA Development Test Readiness Review (DTRR)

3Q FY06

3Q FY09

MS C/FRP Decision Type 1A

4Q FY09

4Q FY09

MS C/FRP Decision Type 1

3Q FY10

3Q FY10

Fixed Wing (FW, Type II) DTRR

4Q FY07

2Q FY08

FW, Type II Milestone C (LRIP)

4Q FY08

4Q FY08

FW, Type II FRP Decision

3Q FY10

3Q FY10

Top Owl (TO, Type IB) DTRR

3Q FY08

3Q FY08

Top Owl FRP Decision

3Q FY10

3Q FY10

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (JI0002) JT SVC AIRCREW MASK (JSAM)			Weapon System Type:			Date: February 2008			
<b>Weapon System Cost Elements</b>		ID	<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>					
		CD				Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
						\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>JSAM IHADSS TYPE 1A</b> JSAM IHADSS Type 1A Hardware		B							2212	586	3.775			
<b>JSAM ROTARY WING TYPE I</b> JSAM Rotary Wing Type I Hardware		B							19324	6536	2.957			
<b>OTHER COSTS</b> Integrated Logistics Support						1790			55					
<b>TOTAL</b>						<b>1790</b>			<b>21591</b>					

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (J10002) JT SVC AIRCREW MASK (JSAM)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
JSAM IHADSS Type 1A Hardware FY 08	AVOX, Lancaster, NY	C/FPI Opt/1	Brooks, City-Base, TX	Dec-08	Feb-09	586	3775	Yes		
JSAM Rotary Wing Type I Hardware FY 08	AVOX, Lancaster, NY	C/FPI	Brooks, City-Base, TX	Dec-07	May-08	6536	2957	Yes		

**REMARKS:**







**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No:  
PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature  
(JI0003) JOINT SERVICE GENERAL PURPOSE MASK (JSGPM/JSCESM)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	52491	202479	194255	184080						633305
Gross Cost	54.3	35.4	45.5	42.6	41.7	42.4	44.1	49.2	Continuing	Continuing
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	54.3	35.4	45.5	42.6	41.7	42.4	44.1	49.2	Continuing	Continuing
Initial Spares										
Total Proc Cost	54.3	35.4	45.5	42.6	41.7	42.4	44.1	49.2	Continuing	Continuing
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** The JSGPM is a lightweight, protective Nuclear Biological Chemical mask system. It incorporates state-of-the-art technology to protect US Joint Forces from anticipated threats. The JSGPM will provide above-the-neck, head, eye/respiratory protection against Chemical and Biological (CB) agents, radioactive particles, and Toxic Industrial Materials (TIMs) as specified in the Joint Service Operational Requirements Document (JSORD), dated September 1998 and Capabilities Production Document (CPD) approved December 2005. The mask design will be optimized to minimize impact on the wearer's performance, and to maximize its ability to interface with fielded and future Joint Service equipment and protective clothing. The JSGPM mask system will replace the M40/M42 series of masks for Army and Marine ground and combat vehicle operations, and the MCU-2/P series for Air Force and Navy ground and shipboard applications. In addition, the JSGPM will replace the M45 mask in the Land Warrior program. This will significantly reduce the number of masks that will have to be logistically supported by the Department of Defense. The Improved Protective Mask M53 (IPM) will be used for counterproliferation missions for SOCOM and provides greater range of view, low profile, and interoperability with special SOCOM CB suits. The Joint Service Chemical Environment Survivability Mask (JSCESM) is a one size fits all, lightweight, and disposable mask that provides 2-8 hours of respiratory and face protection against vapor and aerosol CB agents in low levels of contamination for U.S. Air Force missions.

**JUSTIFICATION:** FY09 funds support procurement of the 6,524 Combat Vehicle Crewman (CVC) JSGPM and 177,556 JSGPM Ground /Ship.

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (JI0003) JOINT SERVICE GENERAL PURPOSE MASK (JSGPM/JSCESM)			Weapon System Type:			Date: February 2008		
<b>Weapon System Cost Elements</b>		ID	<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>				
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost		
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000		
<b>JSGPM (COMBAT VEHICLE)</b>													
JSGPM (Combat Vehicle) Hardware		A	1028	3696	0.278	1878	6638	0.283	1881	6524	0.288		
<b>JSGPM (GROUND/SHIP)</b>													
JSGPM (Ground/Ship) Hardware		A	15548	94304	0.165	28399	169369	0.168	30327	177556	0.171		
<b>JSCESM</b>													
JSCESM Hardware		A	11179	104479	0.107	2365	18248	0.130					
<b>OTHER COSTS</b>													
<b>JSGPM Other Costs</b>													
Engineering Support			3709			4752			4428				
First Article Test (FAT)/Production Test			10			20			20				
System Fielding Support (Total Package Fielding (TPF), First Destination Transportation (FDT) & New Equipment Training NET))			462			1558			2100				
Initial Spares (System Fielding Support)			3154			5691			3582				
<b>JSCESM Other Costs</b>													
Engineering Support			153			390			277				
System Fielding Support (TPF, FDT & NET)			50			50							
<b>Acceptance/Surveillance Tests</b>													
Production Acceptance Test			130			330							
Lot Acceptance Test						100							
<b>TOTAL</b>			<b>35423</b>			<b>45533</b>			<b>42615</b>				

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (JI0003) JOINT SERVICE GENERAL PURPOSE MASK (JSGPM/JSCESM)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
JSGPM (Combat Vehicle) Hardware										
FY 07	AVON Protection Systems, Cadillac, MI	C/FFP Opt/3	RDECOM, APG, MD	Jan-07	Sep-07	3696	278	Yes		
FY 08	AVON Protection Systems, Cadillac, MI	C/FFP Opt/3	RDECOM, APG, MD	Nov-07	Sep-08	6638	283	Yes		
FY 09	AVON Protection Systems, Cadillac, MI	C/FFP Opt/3	RDECOM, APG, MD	Nov-08	Sep-09	6524	288	Yes		
JSGPM (Ground/Ship) Hardware										
FY 07	AVON Protection Systems, Cadillac, MI	C/FFP Opt/3	RDECOM, APG, MD	Jan-07	Mar-07	94304	165	Yes		
FY 08	AVON Protection Systems, Cadillac, MI	C/FFP Opt/3	RDECOM, APG, MD	Nov-07	Jan-08	169369	168	Yes		
FY 09	AVON Protection Systems, Cadillac, MI	C/FFP Opt/3	RDECOM, APG, MD	Nov-08	Jan-09	177556	171	Yes		

**REMARKS:**

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (JI0003) JOINT SERVICE GENERAL PURPOSE MASK (JSGPM/JSCESM)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
JSCESM Hardware FY 07	Quick Protective Systems INC, Stuart, FL	C/FFP Opt/1	RDECOM, APG, MD	Mar-07	Jul-07	104479	107	Yes		
FY 08	Quick Protective Systems INC, Stuart, FL	C/FFP Opt/2	RDECOM, APG, MD	Jan-08	Apr-08	18248	130	Yes		

**REMARKS:**





**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No:  
PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature  
(JI0015) JOINT PROTECTIVE AIRCREW ENSEMBLE (JPACE)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	24274	11277	13236							48787
Gross Cost	36.5	6.3	11.0							53.7
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	36.5	6.3	11.0							53.7
Initial Spares										
Total Proc Cost	36.5	6.3	11.0							53.7
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** The Joint Protective Aircrew Ensemble (JPACE) garment will provide protection from Chemical and Biological (CB) warfare agents, radiological particles, and toxic industrial materials to aircrew of all military services and special forces. The JPACE garment ensemble will be used in conjunction with above-the-neck, individual head-eye-respiratory protection by rotary wing, fixed wing aircraft and combat vehicle personnel. JPACE will allow aircrew and combat crew to fly throughout their operating envelope in an actual or perceived CB warfare environment. The ensemble will be able to perform all normal and emergency procedures, both in-flight and on the ground. It will provide the ability to fully exploit combat capabilities in a CB environment while reducing heat stress induced by existing aircrew CB garments. JPACE replaces the Navy MK-1 undergarment, the Army Aviator Battle Dress Uniform - Battle Dress Overgarment (ABDU-BDO) system, and the Air Force CWU-66/P overgarment. JPACE will provide aviators with improvements in protection, reduced heat stress in CB environments, and extended wear and service life. The JPACE Combat Vehicle Crew (CVC) garment is for Army and Marine Corps armored combat vehicle crews. This operational capability will support all Services. FY08 is the final year of joint funding procurement.

<b>Exhibit P-5, Weapon</b> <b>WPN SYST Cost Analysis</b>		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (JI0015) JOINT PROTECTIVE AIRCREW ENSEMBLE (JPACE)			Weapon System Type:			Date: February 2008		
<b>Weapon System</b> <b>Cost Elements</b>		ID	<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>				
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost		
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000		
<b>JPACE - NAVY/MARINE CORPS</b> JPACE - USN/USMC		A	2417	5277	0.458								
<b>JPACE - CVC</b> JPACE - CVC		A				3946	3946	1					
<b>JPACE - ARMY</b> JPACE - USA		A	3186	6000	0.531	4934	9290	0.531					
<b>OTHER COSTS</b> Engineering Support (Gov't)/Technical Support			387			874							
Quality Assurance (Gov't)			160			926							
Total Fielding Support			100			272							
<b>TOTAL</b>			<b>6250</b>			<b>10952</b>							



**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (JI0015) JOINT PROTECTIVE AIRCREW ENSEMBLE (JPACE)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
JPACE - USN/USMC FY 07	Creative Apparel Assoc. Morrill, ME	C/FFP Opt/3 DO	Natick, Natick, MA	Aug-07	Nov-07	5277	458	Yes		
JPACE - CVC FY 08	Creative Apparel Assoc. Morrill, ME	C/FFP Opt/3	Natick, Natick, MA	Mar-08	May-08	3946	1000	Yes		
JPACE - USA FY 07	Creative Apparel Assoc. Morrill, ME	C/FFP Opt/3 D)	Natick, Natick, MA	Aug-07	Feb-08	6000	531	Yes		
FY 08	Creative Apparel Assoc. Morrill, ME	C/FFP OPT/3	Natick, Natick, MA	Dec-07	Sep-08	9290	531	Yes		

**REMARKS:**





**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No:  
PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature  
(JSM001) JOINT SERVICE MASK LEAKAGE TESTER (JSMLT)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	2447	426	295							3168
Gross Cost	46.1	14.4	9.9							70.3
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	46.1	14.4	9.9							70.3
Initial Spares										
Total Proc Cost	46.1	14.4	9.9							70.3
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** The Joint Service Mask Leakage Tester (JSMLT) is a joint program among the Air Force, Navy, and Marine Corps. The JSMLT is a Commercial off-the-shelf (COTS) item. JSMLT will be a portable, unit level device, capable of determining proper fit and identifying defective and/or unserviceable components of current and future negative pressure NBC protective masks. The JSMLT alleviates the need for five different test devices (M14 Mask Leakage Tester, M4A1 Outlet Valve Leakage Tester, Q204 Drink Train Leakage Tester, Q179 Drink Train/Quick Disconnect Leakage Tester, and Q79A1 Air Flow Leakage Tester). Operating forces currently lack the capability to verify their Preventative Maintenance and Checks and Services (PMCS) on negative pressure NBC protective masks at the unit level. Currently, only the Joint NBC Defense Equipment Assessment Units possess the equipment necessary to verify PMCS. As a result, unacceptable numbers of masks do not receive correct PMCS and the readiness of operating forces is severely hampered. JSMLT will give the operating forces the ability to check whether masks are receiving the proper PMCS and will greatly increase the confidence of commanders in their masks. The ability to verify PMCS will also ensure that the lives of warfighters are not unnecessarily compromised. It will also promote greater awareness of proper PMCS, and therefore, have a positive impact on operating force readiness. The TDA-99M, which meets the JSMLT requirements is currently available as a COTS item, has contractor logistics support, and is on the GSA schedule. FY08 is the final year of joint funding procurement.

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (JSM001) JOINT SERVICE MASK LEAKAGE TESTER (JSMLT)			Weapon System Type:			Date: February 2008			
<b>Weapon System Cost Elements</b>		ID				<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
		CD				Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
						\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>JSMLTS</b>														
JSMLTS Hardware		A				11899	426	27.932	8240	295	27.932			
<b>OTHER COSTS</b>														
Adapter Kits						700			409					
Engineering Support (Gov't)						766			950					
Quality Assurance						607			202					
System Fielding						462			53					
<b>TOTAL</b>						<b>14434</b>			<b>9854</b>					

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (JSM001) JOINT SERVICE MASK LEAKAGE TESTER (JSMLT)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
JSMLTS Hardware FY 07	Hamilton Associates Inc., Owing, Mills, MD	C/FFP Opt/2	US Army, RDECOM, APG, MD	Dec-06	May-07	426	27932	Yes		
FY 08	Hamilton Associates Inc., Owing, Mills, MD	C/FFP Opt/3	US Army, RDECOM, APG, MD	Dec-07	Mar-08	295	27932	Yes		

**REMARKS:**







**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No:  
PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature  
(MA0400) PROTECTIVE CLOTHING

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	3305246									3305246
Gross Cost	1023.6	31.3	38.7	37.6	27.2	18.0	18.3	9.5	Continuing	Continuing
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	1023.6	31.3	38.7	37.6	27.2	18.0	18.3	9.5	Continuing	Continuing
Initial Spares										
Total Proc Cost	1023.6	31.3	38.7	37.6	27.2	18.0	18.3	9.5	Continuing	Continuing
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** The Joint Service Protective Clothing program is a Joint Service chemical protective ensemble development, testing, and production program. The Protective Clothing program integrates technological improvements in protective military garments. These improvements provide Service members Chemical and Biological (CB) protection in all combat theaters. In addition, the program provides commonality, standardization, and full compatibility of all interfacing equipment. The Protective Clothing program provides production of the following protective clothing ensembles:

- (1) The Joint Service Lightweight Integrated Suit Technology (JSLIST) program currently in production, field a common chemical protective ensemble (suits, boots, socks, and gloves) to US Forces. The program provides state-of-the-art chemical protection, reduced heat stress, full compatibility with all interfacing equipment, longer wear (45 days) and launderability, a single technical data package and technical data manual, a standard tariff, split issue to improve fit and reduce inventory, and flame retardancy. JSLIST promotes commonality and standardization to maximize resources and eliminate redundancy among the Services.
- (2) The JSLIST CB Combat Vehicle Crewmen Coveralls (JC3) is geared toward satisfying the armored vehicle crew CB requirement.
- (3) There are two glove programs. The JSLIST Block I Glove Upgrade (JB1GU) is geared toward satisfying the urgent Special Operations Command (SOCOM) CB protective glove requirement. The JSLIST Block 2 Glove Upgrade (JB2GU) Flame Resistant (FR) and JB2GU Non-Flame Resistant (NFR) will meet the Services CB glove requirements for a 30 day glove.
- (4) There is also the Alternative Footwear Solutions (AFS) and Integrated Footwear (IFS) programs that will satisfy the need for a CB protective overboot and a sock/liner.

**JUSTIFICATION:** FY09 will procure 32,370 JB2GU FR, 239,004 JB2GU NFR, 419,192 AFS and 9,566 JC3 to meet joint service CBRN equipment requirements.

**NOTE:** Proc Qty Prior Years reflects only quantities of JSLIST Overgarment.

**Exhibit P-40C, Budget Item Justification Sheet**

Date:

February 2008

Appropriation/Budget Activity/Serial No:

PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature

(MA0400) PROTECTIVE CLOTHING

Program Elements for Code B Items:

0604384BP/Proj IP5

Code:

B

Other Related Program Elements:

**RD&E Code B Item**

JSLIST Block II Glove Upgrade: Conduct research, development, and operational assessment of Chemical and Biological (CB) protective glove materials, concentrating on selectively permeable technology solution to satisfy the current 30 day requirement in JSLIST and JPACE ORDs.

AFS: Conduct research, development, and operational assessment of CB protective overboots and materials

IFS (formerly MPS): Conduct research, development, and operational assessment of CB protective sock/liner solutions

RD&E FY06 and Prior - 43.9M; FY07 - 1.3M

**DEVELOPMENT/TEST STATUS AND MAJOR MILESTONES**

START

COMPLETE

JSLIST - Block II Glove MS C

2Q FY07

2Q FY07

JSLIST - Milestone C AFS

2Q FY07

2Q FY07

JSLIST - Performance Enhancement DT - Overgarment

1Q FY07

3Q FY07

JSLIST - Performance Enhancement FUE - Overgarment

4Q FY07

4Q FY07

JSLIST - Performance Enhancement ECP - Overgarment

4Q FY08

4Q FY08

JSLIST - Full Rate Production (FRP) AFS

3Q FY07

1Q FY12

JSLIST - FRP Block II Glove

3Q FY07

Continuing

JSLIST - FRP IFS

2Q FY07

1Q FY08

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (MA0400) PROTECTIVE CLOTHING			Weapon System Type:			Date: February 2008			
<b>Weapon System Cost Elements</b>		ID	<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>					
		CD				Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
						\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>JSLIST COMBAT VEHICLE CREWMEN COVERALLS (JC3) JC3</b>		A							11188	12557	0.891	8523	9566	0.891
<b>PROTECTIVE SUIT JSLIST Garment</b>		A				4427	18920	0.234						
<b>AFS AFS Hardware</b>		A				2704	100106	0.027	10002	339955	0.029	11825	419192	0.028
AFS-SV		A				2160	16808	0.129						
<b>IFS IFS Hardware</b>		B				5408	167854	0.032						
<b>JB2GU FR JB2GU FR Hardware</b>		A							2058	35031	0.059	1949	32370	0.060
<b>JB2GU NFR JB2GU nFR Hardware</b>		A				4926	175932	0.028	6137	219164	0.028	7170	239004	0.030
<b>OTHER COSTS</b>														
JSLIST Contract Support						2169			2196			2169		
Engineering Support (Gov't)						3977			3302			2363		
Quality Control (Gov't)						2000			1459			1165		
System Fielding Support (NET/FDT/TDY)						2706			1443			1472		
Production Lot Testing (PLT)						800			960			960		
<b>TOTAL</b>						<b>31277</b>			<b>38745</b>			<b>37596</b>		

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (MA0400) PROTECTIVE CLOTHING					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
JC3										
FY 08	UNKNOWN	C/FFP	UNKNOWN	Apr-08	Jul-08	12557	891	Yes		
FY 09	UNKNOWN	C/FFP Opt1	UNKNOWN	Feb-09	May-09	9566	891	Yes		
JSLIST Garment										
FY 07	READYONE Inc, El Paso, TX	C/FFP	Natick, Natick, MA	Apr-07	Jul-07	18920	234	Yes		
AFS Hardware										
FY 07	AirBoss- ACTON, Acton Vale, Quebec, Canada	C/FFP	Natick, Natick, MA	Jun-07	Dec-07	100106	27	Yes		
FY 08	AirBoss- ACTON, Acton Vale, Quebec, Canada	C/FFP	Natick, Natick, MA	Jan-08	Apr-08	339955	29	Yes		
FY 09	AirBoss- ACTON, Acton Vale, Quebec, Canada	C/FFP OPT/1	Natick, Natick, MA	Jan-09	Mar-09	419192	28	Yes		
AFS-SV										
FY 07	Wolernine World Wide INC., Rockford, MI	C/FFP	Natick, Natick, MA	Jul-07	Sep-07	16808	129	Yes		

**REMARKS:**

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (MA0400) PROTECTIVE CLOTHING					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
IFS Hardware FY 07	AirBoss- ACTON, Acton Vale, Quebec, Canada	C/FFP	Natick, Natick, MA	Jun-07	Aug-07	167854	32	Yes		
JB2GU FR Hardware FY 08	AirBoss-ACTON, Acton Vale, Quebec, Canada	C/FFP	MCSC, Quantico, VA	Mar-08	Jun-08	35031	59	Yes		
FY 09	AirBoss-ACTON, Acton Vale, Quebec, Canada	C/FFP Opt/2	MCSC, Quantico, VA	Dec-08	Feb-09	32370	60	Yes		
JB2GU nFR Hardware FY 07	AirBoss-ACTON, Acton Vale, Quebec, Canada	C/FFP	MCSC, Quantico, VA	Jun-07	Dec-07	175932	28	Yes		
FY 08	AirBoss-ACTON, Acton Vale, Quebec, Canada	C/FFP Opt/1	MCSC, Quantico, VA	Jan-08	Mar-08	219164	28	Yes		
FY 09	AirBoss-ACTON, Acton Vale, Quebec, Canada	C/FFP Opt/2	MCSC, Quantico, VA	Jan-09	Mar-09	239004	30	Yes		

**REMARKS:**











**THIS PAGE INTENTIONALLY LEFT BLANK**

**Budget Line Item #91**  
**DECONTAMINATION**

**THIS PAGE INTENTIONALLY LEFT BLANK**

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No:  
PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature  
(PA1500) DECONTAMINATION

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	123.6	18.7	40.8	22.3	42.0	50.3	82.8	81.0	Continuing	Continuing
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	123.6	18.7	40.8	22.3	42.0	50.3	82.8	81.0	Continuing	Continuing
Initial Spares										
Total Proc Cost	123.6	18.7	40.8	22.3	42.0	50.3	82.8	81.0	Continuing	Continuing
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** The decontamination program provides equipment to facilitate the removal and detoxification of contaminants from materials without inflicting injury to personnel or damage to equipment or environment. This Joint Service program facilitates the procurement of a more transportable, less labor intensive, and more effective system for applying decontaminating solutions and removing gross contamination from vehicle and equipment surfaces. Contamination control techniques have been developed which minimize the extent of contamination pickup and transfer and maximize the ability of units to remove contamination both on-the-move and during dedicated decontamination operations. The Joint Service Family of Decontamination Systems (JSFDS) programs will provide this capability. The JSFDS consists of the (1) The Joint Service Personnel/Skin Decontamination System (JSPDS) will be a United States Food and Drug Administration (FDA) approved individually carried skin decontamination kit. JSPDS will provide the same or greater capabilities (number of decontamination operations and area of coverage) as the currently fielded M291 Skin Decontamination Kit (SDK). (2) The Joint Service Transportable Decontamination System Small-Scale (JSTDS-SS) will be transportable by a platform capable of being operated in close proximity to combat operations [i.e., High Mobility Multi-purpose Wheeled Vehicle/Trailer, Family of Medium Tactical Vehicles/Trailer] off-road over any terrain.

The Joint Service Sensitive Equipment Decontamination (JSSED/JMDS) is part of the Joint Material Decontamination System, a scalable family of systems based on a single vapor technology that neutralizes chemical and biological threat agents on sensitive materials. The JSSED/JMDS provides decontamination capability for sensitive equipment that is used by the warfighter in high threat areas, such as night vision goggles and communication equipment.

**JUSTIFICATION:** Operational forces, facilities, and equipment must be decontaminated to safely operate, survive, and sustain operations in a nuclear, biological and chemical agent threat environment. Key factors are reduced weight, increased transportability, decreased labor intensity, reduced water usage, and a more effective system for applying decontaminating solutions to vehicle and equipment surfaces. Decontamination of facilities frequently requires a large area to be covered, but weight, water usage, and labor intensity factors may not be as important as mobility and the ability to decontaminate large areas rapidly.

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (PA1500) DECONTAMINATION			Weapon System Type:			Date: February 2008			
<b>Weapon System Cost Elements</b>		ID	<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>					
		CD				Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
						\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
JOINT SERVICE PERSONNEL/SKIN DECONTAMINATION SYSTEM (JSPDS)						11542			18487					
JS TRANS DECON SYSTEM - SMALL SCALE (JSTDS-SS)						7176			22275			22299		
<b>TOTAL</b>						<b>18718</b>			<b>40762</b>			<b>22299</b>		

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No:  
PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature  
(JD0055) JOINT SERVICE PERSONNEL/SKIN DECONTAMINATION SYSTEM (JSPDS)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty		388822	495835							884657
Gross Cost		11.5	18.5							30.0
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)		11.5	18.5							30.0
Initial Spares										
Total Proc Cost		11.5	18.5							30.0
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** The Joint Service Personnel/Skin Decontamination System (JSPDS) is a Food and Drug Administration (FDA) cleared individually carried skin decontamination kit. The JSPDS provides the warfighter the ability to decontaminate the skin, after exposure to Chemical/Biological (CB) warfare agents, in support of immediate and thorough personnel decontamination operations. Reactive Skin Decontamination Lotion (RSDL) provides the warfighter with improved capability over the existing M291 Skin Decontamination Kit (SDK) to reduce lethal and performance degrading effects of Chemical Warfare agents. Additionally it can be used to decontaminate individual equipment, weapons, and casualties on unbroken skin.

**Exhibit P-40C, Budget Item Justification Sheet**

Date:

February 2008

Appropriation/Budget Activity/Serial No:

PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature

(JD0055) JOINT SERVICE PERSONNEL/SKIN DECONTAMINATION SYSTEM (JSPDS)

Program Elements for Code B Items:

0603884BP/Proj DE4; 0604384BP/Proj DE5

Code:

Other Related Program Elements:

The Joint Service Personnel/Skin Decontamination System (JSPDS) is a Food and Drug Administration (FDA) cleared individually carried skin decontamination kit. The JSPDS provides the warfighter the ability to decontaminate the skin, after exposure to Chemical/Biological (CB) warfare agents, in support of immediate and thorough personnel decontamination operations. Reactive Skin Decontamination Lotion (RSDL) provides the warfighter with improved capability over the existing M291 Skin Decontamination Kit (SDK) to reduce lethal and performance degrading effects of Chemical Warfare agents. Additionally it can be used to decontaminate individual equipment, weapons, and casualties on unbroken skin.

RDT&E FY06 and Prior - 3.6M; FY07 - 0.9M; FY08 - 0.8M

**DEVELOPMENT/TEST STATUS AND MAJOR MILESTONES**

Pouch Packaging Retest

START

COMPLETE

3Q FY06

4Q FY06

IOT&E

2Q FY06

3Q FY06

MS C (Full Rate Production)

2Q FY07

2Q FY07



<b>Exhibit P-5, Weapon</b>		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (JD0055) JOINT SERVICE PERSONNEL/SKIN DECONTAMINATION SYSTEM (JSPDS)			Weapon System Type:			Date: February 2008			
<b>WPN SYST Cost Analysis</b>														
<b>Weapon System</b>					<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>			
<b>Cost Elements</b>		ID				Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		CD				\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>JSPDS COMBAT KITS</b>														
JSPDS Combat Kit Hardware		A				6485	151823	0.043	10367	197165	0.053			
<b>JSPDS TRAINING KITS</b>														
JSPDS Training Kit Hardware		A				2504	166999	0.015	1714	100800	0.017			
<b>M291 KITS</b>														
M291 Kit Hardware - Congressional Add		A				2000	90790	0.022	5600	214000	0.026			
<b>OTHER COSTS</b>														
System Fielding Support						553			806					
<b>TOTAL</b>						<b>11542</b>			<b>18487</b>					

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (JD0055) JOINT SERVICE PERSONNEL/SKIN DECONTAMINATION SYSTEM (JSPDS)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
JSPDS Combat Kit Hardware FY 07	Canadian Commercial Corporation, Montreal, Canada	C/FFP/Opt 1	USASMDC, Frederick, MD	Mar-07	May-07	151823	43	Yes		Feb-02
FY 08	Canadian Commercial Corporation, Montreal, Canada	C/FFP/Opt 2	USASMDC, Frederick, MD	Jan-08	Mar-08	197165	53	Yes		Aug-02
JSPDS Training Kit Hardware FY 07	Canadian Commercial Corporation, Montreal, Canada	C/FFP/Opt 1	USASMDC, Frederick, MD	Mar-07	May-07	166999	15	Yes		Feb-02

**REMARKS:** Assumption: FY08 \$5.6M Congressional Plus-Up to be spent on M291 SDK production.

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (JD0055) JOINT SERVICE PERSONNEL/SKIN DECONTAMINATION SYSTEM (JSPDS)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
JSPDS Training Kit Hardware (cont) FY 08	Canadian Commercial Corporation, Montreal, Canada	C/FFP/Opt 2	USASMDC, Frederick, MD	Jan-08	Mar-08	100800	17	Yes		Aug-02
M291 Kit Hardware - Congressional Add FY 07	Truetech Inc, Riverhead, NY/Pine Bluff	MIPR	TACOM, Rock Island, IL	Jun-07	Aug-07	90790	22	Yes		
FY 08	Truetech Inc, Riverhead, NY/Pine Bluff	MIPR	TACOM, Rock Island, IL	Mar-08	May-08	214000	26	Yes		

**REMARKS:** Assumption: FY08 \$5.6M Congressional Plus-Up to be spent on M291 SDK production.



**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No:  
PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature  
(JD0056) JS TRANS DECON SYSTEM - SMALL SCALE (JSTDS-SS)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty		200	500	500	923	911	910	166	Continuing	Continuing
Gross Cost	2.9	7.2	22.3	22.3	30.2	29.8	29.8	5.0	Continuing	Continuing
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	2.9	7.2	22.3	22.3	30.2	29.8	29.8	5.0	Continuing	Continuing
Initial Spares										
Total Proc Cost	2.9	7.2	22.3	22.3	30.2	29.8	29.8	5.0	Continuing	Continuing
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** The Joint Service Transportable Decontamination System, Small Scale (JSTDS-SS) will consist of an applicator and accessories that apply JSTDS-SS decontaminant to conduct operational and thorough decontamination of non-sensitive military material, limited facility decontamination at logistics bases, airfields (and critical airfield assets), naval ships, ports, key command and control centers, and other fixed facilities that have been exposed to CBRN warfare agents/contamination.

The JSTDS-SS will be transportable by a platform capable of being operated in close proximity to combat operations [i.e., High Mobility Multi-purpose Wheeled Vehicle/Trailer, Family of Medium Tactical Vehicles/Trailer] off-road over any terrain.

**JUSTIFICATION:** FY09 funding will be used to procure 500 systems and 17,000 gallons of decontaminant to be fielded to high threat areas.

**Exhibit P-40C, Budget Item Justification Sheet**

Date:

February 2008

Appropriation/Budget Activity/Serial No:

PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature

(JD0056) JS TRANS DECON SYSTEM - SMALL SCALE (JSTDS-SS)

Program Elements for Code B Items:

0604384BP/Proj DE5

Code:

B

Other Related Program Elements:

**RDT&E Code B Item**

The Joint Service Transportable Decontamination System, Small Scale (JSTDS-SS) will be transportable by a platform capable of being operated in close proximity to combat operations [i.e., High Mobility Multi-purpose Wheeled Vehicle/Trailer, Family of Medium Tactical Vehicles/Trailer] off-road over any terrain.

The JSTDS-SS will consist of an applicator and accessories that apply JSTDS-SS decontaminant to conduct operational and thorough decontamination of non-sensitive military materiel, limited facility decontamination at logistics bases, airfields (and critical airfield assets), naval ships, ports, key command and control centers, and other fixed facilities that have been exposed to CBRN warfare agents/contamination and toxic industrial materials (TIMs).

RDT&E FY06 and Prior - 10.3M; FY07 - 6.5M

**DEVELOPMENT/TEST STATUS AND MAJOR MILESTONES**

	START	COMPLETE
MS B	2Q FY05	2Q FY05
MS C (LRIP)	3Q FY06	3Q FY06
DT II	1Q FY06	4Q FY06
Live Agent Testing	1Q FY07	4Q FY07
IOT&E	4Q FY07	1Q FY08
Full Rate Production	3Q FY08	Continuing

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (JD0056) JS TRANS DECON SYSTEM - SMALL SCALE (JSTDS-SS)			Weapon System Type:			Date: February 2008		
<b>Weapon System Cost Elements</b>		ID	<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>				
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost		
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000		
<b>JSTDS SMALL SCALE (SS)</b>													
JSTDS-SS Hardware		B	4492	183	24.546	13250	500	26.500	13250	500	26.500		
Accessories (various components)			998	258	3.868	5530	500	11.060	5530	500	11.060		
<b>DECONTAMINANT</b>													
Decontaminant		B				493	17000	0.029	493	17000	0.029		
<b>OTHER COSTS</b>													
Total Package Fielding			1686			3002			3026				
<b>TOTAL</b>			<b>7176</b>			<b>22275</b>			<b>22299</b>				

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No:  
PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

Weapon System Type:

P-1 Line Item Nomenclature:  
(JD0056) JS TRANS DECON SYSTEM - SMALL SCALE (JSTDS-SS)

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
JSTDS-SS Hardware										
FY 07	Engineered Air Systems Inc., St Louis, MO	C/FFP/Opt 1	RDECOM, Natick, Mass	Feb-07	Jun-07	183	24546	Yes		Aug-04
FY 08	Engineered Air Systems Inc., St Louis, MO	C/FFP/Opt 2	RDECOM, Natick, Mass	Jun-08	Sep-08	500	26500	Yes		Aug-04
FY 09	Engineered Air Systems Inc., St Louis, MO	C/FFP/Opt 3	RDECOM, Natick, Mass	Dec-08	Mar-09	500	26500	Yes		Aug-04
Decontaminant										
FY 08	Unknown	C/FFP	RDECOM, Natick, Mass	Jun-08	Aug-08	17000	29	Yes		Aug-04
FY 09	Unknown	C/FFP Option	RDECOM, Natick, Mass	Feb-09	Apr-09	17000	29	Yes		Aug-04

**REMARKS:** Decontaminant quantity is in gallons.







**Budget Line Item #92**  
**JOINT BIO DEFENSE PROGRAM (MEDICAL)**

**THIS PAGE INTENTIONALLY LEFT BLANK**

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No:  
PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature  
(MA0800) JOINT BIO DEFENSE PROGRAM (MEDICAL)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	968.3	46.9	55.6	38.7	54.4	54.2	60.0	60.5	Continuing	Continuing
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	968.3	46.9	55.6	38.7	54.4	54.2	60.0	60.5	Continuing	Continuing
Initial Spares										
Total Proc Cost	968.3	46.9	55.6	38.7	54.4	54.2	60.0	60.5	Continuing	Continuing
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** The Joint Biological Defense Program (Medical) effort consists of the following: (1) the Critical Reagents Program (CRP); (2) the Joint Biological Agent Identification and Diagnostic System (JBAIDS); and (3) the DoD Biological Vaccines Procurement. CRP integrates and consolidates all Department of Defense (DoD) reagents/antibodies/DNA biological detection requirements. JBAIDS is a medical test equipment platform which: identifies Biological Warfare (BW) agents and pathogens (Increment 1); may be used as a diagnostic tool by medical professionals to treat patients; comprised of platform test equipment hardware (including computer and case); assay test kits specific to BW agents; and protocols for sample preparation and system operation. The vaccine acquisition components of the Joint Biological Defense Program are focused on a prime (systems) contract approach in which the prime contractor will manage biological defense medical products.

**JUSTIFICATION:** Continues support of the current national military strategy, specifically, a worldwide force projection capability that requires BW detection in order to protect the Force against potential threats. Operational forces, contingency, special operations/low intensity conflict, counter narcotics and other high-risk missions, have the immediate need to survive and sustain operations in a biological agent threat environment. Operating forces have a critical need for defense from worldwide proliferation of BW capabilities and medical treatment of BW related casualties. The Joint Biological Defense Program will provide a tiered strategy for detection and warning comprised of complementary detection/identification systems to provide theater protection against a large area and point attacks. The other biological defense mission requirement is to provide US Forces with enhanced survivability and force protection thru the introduction of Food and Drug Administration (FDA) approved vaccines to protect against current and emerging threats, which could be deployed against maneuver units, or stationary facilities in the theater of operations.

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (MA0800) JOINT BIO DEFENSE PROGRAM (MEDICAL)			Weapon System Type:			Date: February 2008		
<b>Weapon System Cost Elements</b>		ID	<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>				
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost		
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000		
JOINT BIO AGENT IDENTIFICATION AND DIAGNOSTIC SYS (JBAIDS)			13082			4902			480				
DOD BIOLOGICAL VACCINE PROCUREMENT			30517			48298			38222				
CRITICAL REAGENTS PROGRAM (CRP)			3325			2413							
<b>TOTAL</b>			<b>46924</b>			<b>55613</b>			<b>38702</b>				

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE  
 P-1 Item Nomenclature (JM0001) JOINT BIO AGENT IDENTIFICATION AND DIAGNOSTIC SYS (JBAIDS)

Program Elements for Code B Items: Code: Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	56	23	26							105
Gross Cost	39.6	13.1	4.9	0.5						58.1
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	39.6	13.1	4.9	0.5						58.1
Initial Spares										
Total Proc Cost	39.6	13.1	4.9	0.5						58.1
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** The Joint Biological Agent Identification and Diagnostic System (JBAIDS) program is the first effort by the Department of Defense (DoD) to develop and field a common medical test equipment and diagnostic platform among all the Military Services. JBAIDS (Increment 1) will identify both Biological Warfare (BW) agents and pathogens of operational concern, and will be used as a diagnostic tool by medical professionals to treat patients. A multi-increment configuration, evolutionary development and fielding approach is proposed. JBAIDS Increment 1 is comprised of platform test equipment hardware (includes computer and case), assay test kits specific to BW agents, and protocols for sample preparation and system operation. A modified commercial off-the-shelf (COTS) system is being procured to meet this requirement. The COTS system will be configured to support forward medical operations for force health protection.

**JUSTIFICATION:** In FY09, the JBAIDS program supports quality assurance efforts, Food and Drug Administration (FDA) current Good Manufacturing Practices (cGMP) engineering integration, and FDA clearance for diagnostics.

**Exhibit P-40C, Budget Item Justification Sheet**

Date:

February 2008

Appropriation/Budget Activity/Serial No:

PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature

(JM0001) JOINT BIO AGENT IDENTIFICATION AND DIAGNOSTIC SYS (JBAIDS)

Program Elements for Code B Items:

0603884BP/Proj MB4; 0604384BP/Proj MB5

Code:

B

Other Related Program Elements:

**RDT&E Code B Item**

The Joint Biological Agent Identification and Diagnostic System (JBAIDS) program is the first effort by the Department of Defense (DoD) to develop and field a common medical test equipment platform among all the Military Services. JBAIDS (Increment 1) will identify both Biological Warfare (BW) agents and pathogens of operational concern, and will be used as a diagnostic tool by medical professionals to treat patients. A multi-increment configuration, evolutionary development and fielding approach is proposed. JBAIDS Increment 1 is comprised of platform test equipment hardware (includes computer and case), assay test kits specific to BW agents, and protocols for sample preparation and system operation. A modified commercial off-the-shelf (COTS) system is being procured to meet this requirement. The COTS system will be configured to support forward medical operations for force health protection.

RDT&E FY06 and Prior - 39.5M; FY07 - 5.6M; FY08 - 3.2M

**DEVELOPMENT/TEST STATUS AND MAJOR MILESTONES**

JBAIDS Inc 1 - DT, Limited User Testing & Follow-On Test and Evaluation of Qiagen Flow Kit and process controls  
 JBAIDS Inc 1 - Production Decision (Shipboard)  
 JBAIDS Inc 1 - Process control development.

**START**

**COMPLETE**

2Q FY06

4Q FY07

4Q FY07

4Q FY07

1Q FY07

4Q FY07



<b>Exhibit P-5, Weapon</b>		Appropriation/Budget Activity/Serial No.			P-1 Line Item Nomenclature:			Weapon System Type:			Date:		
<b>WPN SYST Cost Analysis</b>		PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			(JM0001) JOINT BIO AGENT IDENTIFICATION AND DIAGNOSTIC SYS (JBAIDS)						February 2008		
<b>Weapon System</b>		ID			FY 07			FY 08			FY 09		
<b>Cost Elements</b>		CD			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
					\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>JBAIDS INCREMENT 1</b>													
JBAIDS INC 1 Assay (Reagent Kits) (FRP)		A			809	73568	0.011	466	42432	0.011			
JBAIDS INC 1 DNA/RNA Extraction Kits (FRP)		A			185	30784	0.006	127	21216	0.006			
JBAIDS INC 1 Hardware/Software (FRP)		A			1072	23	46.609	1215	26	46.731			
<b>OTHER COSTS</b>													
Laboratory Support Equipment					2250								
Initial Fielding and Training (includes consumables, assays and extraction kits)(Contractor)					1443								
Initial Fielding and Training (includes travel for 172 trainees)(Government)					115								
Initial Fielding and Training (JBAIDS Training Facility)(includes instructors and consumables)					650								
Technical Data Packages (TDPs), Drawings, Technical Manuals					261								
<b>FDA Submittal Activities</b>													
Includes Quality Assurance, FDA Current Good Manufacturing Practices (cGMP), Clearance for Diagnostics 510(k) submittals (Contractor)					4426			2110			297		
Includes Current Good Manufacturing Practices (cGMP), Clearance for Diagnostics 510(k) submittals, pre-clinical/clinical trials, and site support activities (Government)					327			350					
Engineering, Integration, Assay Validation, and Program Management Support					1172			634			183		

<b>Exhibit P-5, Weapon</b>		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (JM0001) JOINT BIO AGENT IDENTIFICATION AND DIAGNOSTIC SYS (JBAIDS)			Weapon System Type:			Date: February 2008		
<b>WPN SYST Cost Analysis</b>													
<b>Weapon System</b>		ID			FY 07			FY 08			FY 09		
<b>Cost Elements</b>		CD			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
					\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Assay Patent/Licensing Royalty/Performance Incentive Fees					372								
<b>TOTAL</b>					<b>13082</b>			<b>4902</b>			<b>480</b>		

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (JM0001) JOINT BIO AGENT IDENTIFICATION AND DIAGNOSTIC SYS (JBAIDS)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
JBAIDS INC 1 Assay (Reagent Kits) (FRP) FY 07	Idaho Technology, Inc., Salt Lake City, UT	C/FFP	US Army Missile and Space Command, Frederick, MD	Apr-07	Sep-07	73568	11	Yes		
FY 08	Idaho Technology, Inc., Salt Lake City, UT	C/FFP - Option	US Army Missile and Space Command, Frederick, MD	Apr-08	Jan-09	42432	11	Yes		
JBAIDS INC 1 DNA/RNA Extraction Kits (FRP) FY 07	Idaho Technology, Inc., Salt Lake City, UT	C/FFP	US Army Missile and Space Command, Frederick, MD	Apr-07	Sep-07	30784	6	Yes		

**REMARKS:**

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (JM0001) JOINT BIO AGENT IDENTIFICATION AND DIAGNOSTIC SYS (JBAIDS)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
JBAIDS INC 1 DNA/RNA Extraction Kits (FRP) (cont) FY 08	Idaho Technology, Inc., Salt Lake City, UT	C/FFP - Option	US Army Missile and Space Command, Frederick, MD	Apr-08	Jan-09	21216	6	Yes		
JBAIDS INC 1 Hardware/Software (FRP) FY 07	Idaho Technology, Inc., Salt Lake City, UT	C/FFP	US Army Missile and Space Command, Frederick, MD	Apr-07	Sep-07	23	46609	Yes		
FY 08	Idaho Technology, Inc., Salt Lake City, UT	C/FFP - Option	US Army Missile and Space Command, Frederick, MD	Apr-08	Jan-09	26	46731	Yes		

**REMARKS:**







**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No:  
PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature  
(JX0005) DOD BIOLOGICAL VACCINE PROCUREMENT

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	489.1	30.5	48.3	38.2	54.4	54.2	60.0	60.5	Continuing	Continuing
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	489.1	30.5	48.3	38.2	54.4	54.2	60.0	60.5	Continuing	Continuing
Initial Spares										
Total Proc Cost	489.1	30.5	48.3	38.2	54.4	54.2	60.0	60.5	Continuing	Continuing
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** The biological vaccine procurement program is critical for national defense. These products directly support the Secretary of Defense program for the immunization of U.S. forces against biological warfare (BW) agents. Items to be procured are the FDA licensed Anthrax Vaccine Adsorbed (AVA), smallpox vaccine and Vaccinia Immune Globulin Intravenous (VIGIV). Funding supports vaccine and licensed biologic production, quality assurance and control, process, equipment validation, process change management, documentation control and all FDA license maintenance and post-approval commitments.

The Joint Chemical Biological Defense program uses the prime systems contract (PSC) approach for the Joint Vaccine Acquisition Program (JVAP) in which the prime contractor manages biological medical defense products to include: full-scale licensed vaccine production, stockpiling, testing and distribution. Products to be procured and stockpiled in the future under the JVAP PSC include Recombinant Botulinum and Plague.

**JUSTIFICATION:** FY09 funding procures FDA licensed doses of AVA and smallpox vaccine to support the Secretary of Defense's immunization program. Funding also supports quality assurance efforts for the Investigational New Drug (IND) vaccines to ensure their availability for contingency use.



**Exhibit P-40C, Budget Item Justification Sheet**

Date:

February 2008

Appropriation/Budget Activity/Serial No:

PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature

(JX0005) DOD BIOLOGICAL VACCINE PROCUREMENT

Program Elements for Code B Items:

0603884BP/Proj MB4; 0604384BP/Proj MB5

Code:

B

Other Related Program Elements:

**RD&E Code B Item**

The biological vaccine procurement program is critical for national defense. These products directly support the Secretary of Defense program for the immunization of U.S. forces against biological warfare (BW) agents. Items to be procured are the FDA licensed Anthrax Vaccine Adsorbed (AVA), smallpox vaccine and Vaccinia Immune Globulin Intravenous (VIGIV). Funding supports vaccine and licensed biologic production, quality assurance and control, process, equipment validation, process change management, documentation control and all FDA license maintenance and post-approval commitments.

The Joint Chemical Biological Defense program uses the prime systems contract (PSC) approach for the Joint Vaccine Acquisition Program (JVAP) in which the prime contractor manages biological medical defense products to include: full-scale licensed vaccine production, stockpiling, testing and distribution. Products to be procured and stockpiled in the future under the JVAP PSC include Recombinant Botulinum and Plague.

RD&E FY06 and Prior - 30.1M; FY07 - 45.4M; FY08 - 57.7M; FY09 - 82.1M; FY10 - 52.5M; FY11 - 38.1M; FY12 - 17.1M; FY13 - 12.6M

**DEVELOPMENT/TEST STATUS AND MAJOR MILESTONES**

**START**

**COMPLETE**

BOT Milestone B

3Q FY08

3Q FY08

PLG Milestone B

3Q FY06

3Q FY06

<b>Exhibit P-5, Weapon</b> <b>WPN SYST Cost Analysis</b>		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (JX0005) DOD BIOLOGICAL VACCINE PROCUREMENT			Weapon System Type:			Date: February 2008			
<b>Weapon System</b> <b>Cost Elements</b>		ID	<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>					
		CD				Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
						\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>ANTHRAX</b>														
Anthrax Vaccine Doses		A				21507	896125	0.024	38767	1615292	0.024	28531	1188792	0.024
Anthrax Vaccine - Testing, Labeling, Shipping and Security						3000			2581			3000		
<b>SMALLPOX</b>														
Smallpox Vaccine		A							3190	613400	0.005	3100	613400	0.005
<b>VACCINIA IMMUNE GLOBULIN (VIG)</b>														
Vaccinia Immune Globulin (VIG) - 3,600 Vial		A				5040	3600	1.400						
<b>OTHER COSTS</b>														
Other Bio Defense Medical Product Storage and Testing						970			3760			3591		
<b>TOTAL</b>						<b>30517</b>			<b>48298</b>			<b>38222</b>		

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (JX0005) DOD BIOLOGICAL VACCINE PROCUREMENT					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
Anthrax Vaccine Doses FY 07	CDC/Strategic National Stockpile (SNS)	MIPR	Atlanta, GA	Mar-08	Jun-08	896125	24	Yes		
FY 08	CDC/Strategic National Stockpile (SNS)	MIPR	Atlanta, GA	Mar-08	Oct-08	1615292	24	Yes		
FY 09	CDC/Strategic National Stockpile (SNS)	MIPR	Atlanta, GA	Mar-09	Aug-09	1188792	24	Yes		
Smallpox Vaccine FY 08	CDC/Strategic National Stockpile (SNS)	MIPR	Atlanta, GA	Jan-08	Mar-08	613400	5	Yes		
FY 09	CDC/Strategic National Stockpile (SNS)	MIPR	Atlanta, GA	Jan-09	Mar-09	613400	5	Yes		
Vaccinia Immune Globulin (VIG) - 3,600 Vial FY 07	Cangene Corporation, Winnipeg, Canada	SS/CPFF	USASMDC, Fort Detrick, MD	Mar-08	Aug-08	3600	1400	Yes		

**REMARKS:**





**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE  
 P-1 Item Nomenclature (JX0210) CRITICAL REAGENTS PROGRAM (CRP)

Program Elements for Code B Items: Code: Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	22.3	3.3	2.4							28.0
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	22.3	3.3	2.4							28.0
Initial Spares										
Total Proc Cost	22.3	3.3	2.4							28.0
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** In order to detect anthrax spores (antigen), a critical reagent (antibody) may be needed for use in a detection Joint Biological Agent and Identification System (JBAIDS) platform. Multiple medical and non-medical platforms require a continuous, quality supply of critical reagents for effective warning to significantly enhance force survivability. They are also required for rapid medical diagnosis to ensure appropriate treatment of exposed personnel. A common set of reagents for all platforms are required. The Critical Reagents Program (CRP) will ensure the standardization, quality and availability of reagents that are critical to the successful development, test, and operation of BW detection systems and medical biological products. The CRP integrates and consolidates all Department of Defense (DoD) reagents/antibodies detection requirements from System Development and Demonstration (SDD) through production. The CRP will ensure the availability of high quality reagents and Handheld Immunochromatographic Assays (HHA) throughout the life cycle of all systems managed to include: Biological Integrated Detection System (BIDS), Interim Biological Agent Detection System (IBADS), Joint Biological Point Detection System (JBPDs), JBAIDS, and the Joint Portal Shield (JPS). The CRP also supports the Navy Forward Deployed Lab, the Area Medical Lab (AML), the Army 20th Support Command (Chemical, Biological, Nuclear and High Yield Explosives [CBRNE]), the Marine Corps Chemical-Biological Incident Response Force (CBIRF), other counter-terrorist and special reconnaissance teams, and foreign countries. The CRP is responsible for managing the production, storage and validation of HHAs, polymerase chain reaction (PCR) genomic assays, electrochemiluminescence (ECL) immunoassays, antibodies, and select biological threat agent and genomic reference materials.

**Exhibit P-40C, Budget Item Justification Sheet**

Date:

February 2008

Appropriation/Budget Activity/Serial No:

PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature

(JX0210) CRITICAL REAGENTS PROGRAM (CRP)

Program Elements for Code B Items:

0604384BP/Proj BJ5 and Proj MB5

Code:

B

Other Related Program Elements:

**RDT&E Code B Item**

Multiple medical and non-medical platforms require a continuous, quality supply of critical reagents for effective warning to significantly enhance force survivability. They are also required for rapid medical diagnosis to ensure appropriate treatment of exposed personnel. A common set of reagents for all platforms are required. The Critical Reagents Program (CRP) will ensure the standardization, quality and availability of reagents that are critical to the successful development, test, and operation of BW detection systems and medical biological products. The CRP integrates and consolidates all Department of Defense (DoD) reagents/antibodies detection requirements from System Development and Demonstration (SDD) through production. The CRP will ensure the availability of high quality reagents and Handheld Immunochromatographic Assays (HHA) throughout the life cycle of all systems managed to include: Joint Biological Point Detection System (JBPDS) and Joint Biological Agent and Identification System (JBAIDS). The CRP also supports the Navy Forward Deployed Lab, the Area Medical Lab (AML), the Army Technical Escort Unit (TEU), the Marine Corps Chemical-Biological Incident Response Force (CBIRF), other counter-terrorist and special reconnaissance teams, and foreign countries. The CRP is responsible for managing the production, storage and validation of HHAs, polymerase chain reaction (PCR) genomic assays, electrochemiluminescence (ECL) immunoassays, antibodies, and select biological threat agent and genomic reference materials.

RDT&E FY06 and Prior - 30.7M; FY07 - 3.7M; FY08 - 10.0M; FY09 - 7.5M; FY10 - 4.5M; FY11 - 4.9M; FY12 - 5.4M; FY13 - 6.4M

**DEVELOPMENT/TEST STATUS AND MAJOR MILESTONES**

**START**

**COMPLETE**

CRP - Expand Select Biological Threat Agent Reference Materials

4Q FY03

2Q FY13

CRP - Development of ECL Immunoassays & PCR Genomic Assays

1Q FY03

2Q FY13

CRP - Development and Implementation of Quality Initiatives, Validation Program, and Systems Engineering

4Q FY06

2Q FY13

CRP - Implementation of ISO Guidelines into Select Biological Threat Agent Reference Materials

3Q FY07

3Q FY10

<b>Exhibit P-5, Weapon</b> <b>WPN SYST Cost Analysis</b>		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (JX0210) CRITICAL REAGENTS PROGRAM (CRP)			Weapon System Type:			Date: February 2008		
<b>Weapon System</b> <b>Cost Elements</b>		ID	<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>				
		CD		Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	
				\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	
<b>ELECTROCHEMILUMINESCENCE (ECL)</b>													
<b>ASSAYS</b>													
ECL Assays (Plate of 96 MINITubes)		A		500	1040	0.481							
<b>SELECT BIOLOGICAL THREAT AGENT</b>													
<b>REFERENCE MATERIALS</b>													
Select Biological Threat Agent Reference Material (Grams)		A		151	5	30.200	284	9	31.556				
<b>OTHER COSTS</b>													
Repository Costs				1803			1554						
Quality Assurance/Quality Control Support				150			150						
Technical Program Support/Conformance Test Laboratory				721			425						
<b>TOTAL</b>				<b>3325</b>			<b>2413</b>						



**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (JX0210) CRITICAL REAGENTS PROGRAM (CRP)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
ECL Assays (Plate of 96 MINITubes) FY 07	BioVeris Corporation, Gaithersburg, MD	C/FFP	USASMDC, Frederick, MD	Jun-07	Aug-07	1040	481	Yes		
Select Biological Threat Agent Reference Material (Grams) FY 07	Dugway Proving Ground (DPG), Dugway, UT	MIPR	DPG, Dugway, UT	Dec-06	Apr-07	5	30000	Yes		
FY 08	Dugway Proving Ground (DPG), Dugway, UT	MIPR	DPG, Dugway, UT	Dec-07	Apr-08	9	31556	Yes		

**REMARKS:** ECL Assays - FY07 BioVeris order issued using Procurement funding to ensure minimum quantity order value was met at time of contract extension. All other orders issued using funding from other Government agencies. This may include antibodies, select biological threat agent reference and biological genomic reference materials.



**Budget Line Item #93**  
**COLLECTIVE PROTECTION**

**THIS PAGE INTENTIONALLY LEFT BLANK**

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE  
 P-1 Item Nomenclature (PA1600) COLLECTIVE PROTECTION

Program Elements for Code B Items: Code: Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	364.1	43.3	39.6	37.8	41.7	44.0	46.4	46.4	Continuing	Continuing
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	364.1	43.3	39.6	37.8	41.7	44.0	46.4	46.4	Continuing	Continuing
Initial Spares										
Total Proc Cost	364.1	43.3	39.6	37.8	41.7	44.0	46.4	46.4	Continuing	Continuing
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** The objective of the Chemical and Biological (CB) Collective Protection program is to provide CB Collective Protection systems. The CB Collective Protection systems will be smaller, lighter, less costly, and more easily supported logistically at the crew, unit, ship, and aircraft level. Collective protection platforms include shelters, vehicles, ships, aircraft, buildings, and hospitals. The Collective Protected Field Hospitals (CPFH) provides Joint Service medical personnel CBRN collective protection to their medical treatment facilities. The Army's Collectively Protected Deployable Medical System (CP DEPMEDS); the Air Force's Collectively Protected Expeditionary Medical Support (CP EMEDS); and the Navy's Chemically Hardened Expeditionary Medical Facility (CH EMF) converts the service's field hospitals into a fully operational, environmentally controlled, and collectively protected medical treatment facility. The requirement is to sustain medical operations in a CB contaminated environment for 72 hours. The Collective Protection System (CPS) Backfit Program installs CPS in mission critical medical and command and control spaces on two Navy amphibious ship classes: Landing Helicopter Assault (LHA), Landing Helicopter Dock (LHD) and Landing Ship Dock (LSD). The Chemical Biological Protective Shelter (CBPS) provides a contamination free, environmentally controlled working area for medical, combat service, and combat service support personnel to obtain relief from the continuous need to wear CB protective clothing for greater than 72 hours of operation.

**JUSTIFICATION:** Operational forces across the continuum of global, contingency, special operations/low intensity conflict, counternarcotics, and other high-risk missions have immediate needs to safely operate, survive and sustain operations in a nuclear, biological and chemical (NBC) agent threat environment. Operating forces have a critical need for defense against worldwide proliferation of NBC warfare capabilities and for medical treatment facilities.

**Exhibit P-40M, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE  
 P-1 Item Nomenclature (PA1600) COLLECTIVE PROTECTION

Program Elements for Code B Items: Code: Other Related Program Elements:

Description Fiscal Years

OSIP NO.	Classification	PRIOR	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	TC	Total
----------	----------------	-------	---------	---------	---------	---------	---------	---------	---------	----	-------

(JN0014) Collective Protection System Amphibious Backfit		204.0	9.3	10.6	5.1	0.0	0.0	0.0	0.0	0.0	229.0
--	--	-------	-----	------	-----	-----	-----	-----	-----	-----	-------

<b>Totals</b>		<b>204.0</b>	<b>9.3</b>	<b>10.6</b>	<b>5.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>229.0</b>
---------------	--	--------------	------------	-------------	------------	------------	------------	------------	------------	------------	--------------

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (PA1600) COLLECTIVE PROTECTION			Weapon System Type:			Date: February 2008			
<b>Weapon System Cost Elements</b>		ID	<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>					
		CD				Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
						\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
COLLECTIVE PROT SYS AMPHIB BACKFIT (CPS BACKFIT)						9258			10492			5083		
CP FIELD HOSPITALS (CPFH)						3613			3496			3342		
CB PROTECTIVE SHELTER (CBPS)						30462			25600			29359		
<b>TOTAL</b>						<b>43333</b>			<b>39588</b>			<b>37784</b>		

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No:  
PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature  
(JN0014) COLLECTIVE PROT SYS AMPHIB BACKFIT (CPS BACKFIT)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	38	3	3	1						45
Gross Cost	101.4	9.3	10.5	5.1						126.3
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	101.4	9.3	10.5	5.1						126.3
Initial Spares										
Total Proc Cost	101.4	9.3	10.5	5.1						126.3
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** The increased threat of Weapons of Mass Destruction (WMD) has reinforced the need to provide better defensive measures to protect personnel and vital ship interior spaces from toxic chemical, biological agents, and radioactive fallout. The Collective Protection System (CPS) Backfit Program was established as a result of the 1997 Quadrennial Defense Review (QDR). The QDR documented a requirement for installation of CPS in mission critical medical and command and control spaces on three Navy amphibious ship classes: Landing Helicopter Assault (LHA), Landing Helicopter Dock (LHD), and Landing Ship Dock (LSD). CPS is integrated with the ship's heating, ventilation, and air-conditioning (HVAC) systems and provides filtered supply air for over-pressurization of specified shipboard zones to keep toxic contamination from entering protected interior spaces. CPS eliminates the need for the ship's crew to wear protective gear (i.e., suits, masks). CPS will be installed on high priority ships and is adaptable to any ship airflow requirements. Procurement objective is to install CPS on 15 amphibious ships totaling 50 zones of protection. This objective is accomplished by conducting advance planning, completing Shipboard Installation Drawings (SIDs), procuring long lead items, procuring installation material, completing CPS installations, providing engineering/technical support, performing system start-ups, completing operational training, and system certification.

**JUSTIFICATION:** FY09 funds the installation for one kit of CPS equipment on LSD-41 (USS WHIDBEY ISLAND) creating interior areas that will be safe from the effects of WMD. CPS Backfit enables amphibious ships to sustain operations while under threat of WMD contamination.



**INDIVIDUAL MODIFICATION**

Date: February 2008

MODIFICATION TITLE: (JN0014) Collective Protection System Amphibious Backfit

MODELS OF SYSTEM AFFECTED: LHD class ships

DESCRIPTION/JUSTIFICATION:

The CPS will be installed on LHD class ships (1-8) in the Combat Information Center (CIC), two medical spaces, and a casualty decontamination area. CPS Backfit efforts will include ship surveys, engineering design analysis, detail design SIDs, development of modular installation packages, procurement of hardware, logistic warehousing and staging, and installation via Alteration Installation Teams (AITs). Procurement of government furnished equipment (GFE) is required. The CPS Backfit installation process is designed to maximize flexibility in procuring, receiving, warehousing, and assembling the necessary material and equipment to meet the challenges associated with changing ship availabilities. Each quantity denotes a protected zone.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Milestone	Planned	Accomplished
LHD-1 (USS WASP)		2001
LHD-2 (USS ESSEX)		2001
LHD-3 (USS KEARSARGE)		2002
LHD-4 (USS BOXER)		2002
LHD-5 (USS BATAAN)		2003
LHD-6 (USS BONHOMME RICHARD)		2006
LHD-7 (USS IWO JIMA)		2007
LHD-8 (USS MAKIN ISLAND)	2011	

Installation Schedule:

Pr Yr					FY 2007				FY 2008				FY 2009				FY 2010			
					1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Totals					1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs	24				3															
Outputs	24							3												

  

	FY 2011				FY 2012				FY 2013				FY 2014				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		27
Outputs																		27

METHOD OF IMPLEMENTATION: AIT ADMINISTRATIVE LEADTIME: 2 PRODUCTION LEADTIME: 10  
 Contract Dates: FY 2007 12/06 FY 2008 FY 2009  
 Delivery Date: FY 2007 09/07 FY 2008 FY 2009

**INDIVIDUAL MODIFICATION**

Date: February 2008

MODIFICATION TITLE (Cont): (JN0014) Collective Protection System Amphibious Backfit

FINANCIAL PLAN: (\$ in Millions)

	FY 2006 and Prior		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
	RDT&E																				
PROCUREMENT																					
Kit Quantity																					
Installation Kits																					
Installation Kits, Nonrecurring																					
Equipment	24	19.6	3	3.5																27	23.1
Equipment, Nonrecurring																					
Engineering Change Orders																					
Data		3.0		1.0																	4.0
Training Equipment																					
Support Equipment																					
Other		3.0		1.1																	4.1
Interim Contractor Support																					
Installation of Hardware																					
FY 2006 & Prior Eqpt -- Kits	24	23.0																		24	23.0
FY 2007 Eqpt -- Kits			3	3.7																3	3.7
FY 2008 Eqpt -- Kits																					
FY 2009 Eqpt -- Kits																					
FY 2010 Eqpt -- Kits																					
FY 2011 Eqpt -- Kits																					
FY 2012 Eqpt -- Kits																					
FY 2013 Eqpt -- Kits																					
TC Equip-Kits																					
Total Equip-Kits	24	23.0	3	3.7																27	26.7
Total Procurement Cost		48.6		9.3																	57.9

**INDIVIDUAL MODIFICATION**

Date: February 2008

MODIFICATION TITLE: (JN0014) Collective Protection System Amphibious Backfit

MODELS OF SYSTEM AFFECTED: LHA class ships

DESCRIPTION/JUSTIFICATION:

CPS will be installed on LHA class ships (1-5) in two medical spaces, and a casualty decontamination space. CPS Backfit efforts will include ship surveys, engineering design analysis, detail design SIDs, procurement of hardware, modular installation packages, logistical warehousing and staging, and installation via AITs. Procurement of GFE is required. The CPS Backfit installation process is designed to maximize flexibility in procuring, receiving, warehousing, and assembling the necessary equipment and material to meet the challenges associated with changing ship availabilities. Each quantity in this budget denotes a zone of protection.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Milestone	Planned	Accomplished
LHA-5 (USS PELELIU) (ONE ZONE)		2000
LHA-3 (USS BELLEAU WOOD)		2003
LHA-1 (USS TARAWA)		2004
LHA-5 (USS PELELIU) (THREE ZONES)		2004
LHA-4 (USS NASSAU)		2006

Installation Schedule:

Pr Yr					FY 2007				FY 2008				FY 2009				FY 2010			
	Totals				1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs	14																			
Outputs	14																			

  

	FY 2011				FY 2012				FY 2013				FY 2014				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		14
Outputs																		14

METHOD OF IMPLEMENTATION:	AIT	ADMINISTRATIVE LEADTIME:	PRODUCTION LEADTIME:
Contract Dates:	FY 2007	FY 2008	FY 2009
Delivery Date:	FY 2007	FY 2008	FY 2009

**INDIVIDUAL MODIFICATION**

Date: February 2008

MODIFICATION TITLE (Cont): (JN0014) Collective Protection System Amphibious Backfit

FINANCIAL PLAN: (\$ in Millions)

	FY 2006 and Prior		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL				
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$			
	RDT&E																						
PROCUREMENT																							
Kit Quantity																							
Installation Kits																							
Installation Kits, Nonrecurring																							
Equipment	14	133.3																		14	133.3		
Equipment, Nonrecurring																							
Engineering Change Orders																							
Data		3.0																			3.0		
Training Equipment																							
Support Equipment																							
Other		3.9																			3.9		
Interim Contractor Support																							
Installation of Hardware																							
FY 2006 & Prior Eqpt -- Kits	14	15.2																			14	15.2	
FY 2007 Eqpt -- Kits																							
FY 2008 Eqpt -- Kits																							
FY 2009 Eqpt -- Kits																							
FY 2010 Eqpt -- Kits																							
FY 2011 Eqpt -- Kits																							
FY 2012 Eqpt -- Kits																							
FY 2013 Eqpt -- Kits																							
TC Equip-Kits																							
Total Equip-Kits	14	15.2																			14	15.2	
Total Procurement Cost		155.4																					155.4

**INDIVIDUAL MODIFICATION**

Date: February 2008

MODIFICATION TITLE: (JN0014) Collective Protection System Amphibious Backfit

MODELS OF SYSTEM AFFECTED: LSD Class Ships

DESCRIPTION/JUSTIFICATION:

The CPS will be installed on LSD class ships (41, 42 & 43) in the berthing, rest and relief, Combat Information Center (CIC), and medical spaces. CPS Backfit efforts will include ship surveys, engineering design analysis, detail design SIDs, development of modular installation packages, procurement of hardware, logistic warehousing and staging, and installation via Alteration Installation Teams (AITs). Procurement of government furnished equipment (GFE) is required. The CPS Backfit installation process is designed to maximize flexibility in procuring, receiving, warehousing, and assembling the necessary material and equipment to meet the challenges associated with changing ship planned maintenance availability schedules. Each quantity denotes one kit, four kits equal a protected zone.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Milestone	Planned	Accomplished
LSD-42 (USS GERMANTOWN)	2008	
LSD-41 (USS WHIDBEY ISLAND)	2009	
LSD-43 (USS FORT MCHENRY)	2010	

Installation Schedule:

Pr Yr					FY 2007				FY 2008				FY 2009				FY 2010			
	Totals				1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs									3				1							
Outputs												3				1				

  

	FY 2011				FY 2012				FY 2013				FY 2014				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		4
Outputs																		4

METHOD OF IMPLEMENTATION:	AIT	ADMINISTRATIVE LEADTIME:	2	PRODUCTION LEADTIME:	10
Contract Dates:	FY 2007	FY 2008	12/07	FY 2009	12/08
Delivery Date:	FY 2007	FY 2008	09/08	FY 2009	09/09

**INDIVIDUAL MODIFICATION**

Date: February 2008

MODIFICATION TITLE (Cont): (JN0014) Collective Protection System Amphibious Backfit

FINANCIAL PLAN: (\$ in Millions)

	FY 2006 and Prior		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
	RDT&E																				
PROCUREMENT																					
Kit Quantity																					
Installation Kits																					
Installation Kits, Nonrecurring																					
Equipment							3	3.8	1	1.6										4	5.4
Equipment, Nonrecurring																					
Engineering Change Orders																					
Data								1.3		0.8											2.1
Training Equipment																					
Support Equipment																					
Other								0.9		0.9											1.8
Interim Contractor Support																					
Installation of Hardware																					
FY 2006 & Prior Eqpt -- Kits																					
FY 2007 Eqpt -- Kits																					
FY 2008 Eqpt -- Kits							3	4.6												3	4.6
FY 2009 Eqpt -- Kits									1	1.8										1	1.8
FY 2010 Eqpt -- Kits																					
FY 2011 Eqpt -- Kits																					
FY 2012 Eqpt -- Kits																					
FY 2013 Eqpt -- Kits																					
TC Equip-Kits																					
Total Equip-Kits							3	4.6	1	1.8										4	6.4
Total Procurement Cost								10.6		5.1											15.7

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No:  
PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature  
(JP0911) CP FIELD HOSPITALS (CPFH)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	3	3	3	3	2	2	2	3		21
Gross Cost	2.9	3.6	3.5	3.3	3.4	3.5	4.3	4.7	Continuing	Continuing
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	2.9	3.6	3.5	3.3	3.4	3.5	4.3	4.7	Continuing	Continuing
Initial Spares										
Total Proc Cost	2.9	3.6	3.5	3.3	3.4	3.5	4.3	4.7	Continuing	Continuing
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** The Collectively Protected Field Hospitals (CPFH) program provides each Service's medical personnel a Chemical, Biological, Radiological, and Nuclear (CBRN) collective protection capability to their medical treatment facilities. The Collective Protection Joint Project Office ensures that each service's validated CPFH requirements are met in the most timely and cost efficient way possible. The Army's Collectively Protected Deployable Medical System (CP DEPMEDS); the Air Force's Collectively Protected Expeditionary Medical Support (CP EMEDS); and the Navy's Chemically Hardened Expeditionary Medical Facility (CH EMF) converts the service's field hospitals into a fully operational, environmentally controlled, and collectively protected medical treatment facility. Major components complexed together include barrier materials, Environmental Control Units (ECU), and air purification equipment. The requirement is to sustain medical operations in a Chemical and Biological (CB) contaminated environment for 72 hours.

**JUSTIFICATION:** FY09 will harden one CH EMF variant and two CP DEPMEDS variants. These shelter systems enable the Service's field hospitals to conduct critical life saving medical operations without the need for individual protective equipment while in high threat areas and during a CB attack.

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (JP0911) CP FIELD HOSPITALS (CPFH)			Weapon System Type:			Date: February 2008		
<b>Weapon System Cost Elements</b>		ID	<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>				
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost		
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000		
<b>CH EMF 150-BED</b> CH EMF 150-BED			1392	1	1392	1443	1	1443	1485	1	1485		
<b>CP DEPMEDS MRI 40-BED AUGMENT</b> CP DEPMEDS MRI 40-BED AUGMENT			549	1	549	599	1	599	589	1	589		
<b>CP DEPMEDS MRI 44-BED</b> CP DEPMEDS MRI 44-BED			550	1	550	595	1	595	588	1	588		
<b>OTHER COSTS</b>													
INTEGRATED LOGISTICS SUPPORT			397			280			199				
SYSTEMS ENGINEERING			427			225			176				
INTEGRATED ACQUISITION			168			227			170				
SYSTEM FIELDING SUPPORT/ PROVISIONING			130			127			135				
<b>TOTAL</b>			<b>3613</b>			<b>3496</b>			<b>3342</b>				



**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (JP0911) CP FIELD HOSPITALS (CPFH)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
CH EMF 150-BED	Pine Bluff Arsenal, Pine Bluff, AR	MIPR	TACOM, Rock Island, IL	Sep-07	Sep-09	1	1392000	Yes		
FY 07										
FY 08										
FY 09										
CP DEPMEDS MRI 40-BED AUGMENT										
FY 07										
FY 08	MIPR	TACOM, Rock Island, IL	Jan-08	Jan-10	1	1443000	Yes			
FY 09	MIPR	TACOM, Rock Island, IL	Jan-09	Jan-11	1	1485000	Yes			
FY 07	MIPR	TACOM, Rock Island, IL	Jan-07	Jul-08	1	549000	Yes			
FY 08	MIPR	TACOM, Rock Island, IL	Jan-08	Nov-10	1	599000	Yes			
FY 09	MIPR	TACOM, Rock Island, IL	Jan-09	Nov-11	1	589000	Yes			

**REMARKS:** The items being procured for CP Field Hospitals (CPFH) are packages/assemblages that can be over 80 separate line items. Some of the longest lead-time item such as generators and CB latrines can be up to 24 months for delivery. This long lead time combined with the time requirement to match all of the parts together may results in an estimated delivery time up to 36 months.

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (JP0911) CP FIELD HOSPITALS (CPFH)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
CP DEPMEDS MRI 44-BED FY 07	Pine Bluff Arsenal, Pine Bluff, AR	MIPR	TACOM, Rock Island, IL	Jan-07	Jul-08	1	550000	Yes		
FY 08	Pine Bluff Arsenal, Pine Bluff, AR	MIPR	TACOM, Rock Island, IL	Jan-08	Nov-10	1	595000	Yes		
FY 09	Pine Bluff Arsenal, Pine Bluff, AR	MIPR	TACOM, Rock Island, IL	Jan-09	Nov-11	1	588000	Yes		

**REMARKS:** The items being procured for CP Field Hospitals (CPFH) are packages/assemblages that can be over 80 separate line items. Some of the longest lead-time item such as generators and CB latrines can be up to 24 months for delivery. This long lead time combined with the time requirement to match all of the parts together may results in an estimated delivery time up to 36 months.







**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No:  
PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature  
(R12301) CB PROTECTIVE SHELTER (CBPS)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	251	17	29	33	52	53	61	61		557
Gross Cost	194.4	30.5	25.6	29.4	32.1	32.5	37.0	37.0	Continuing	Continuing
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	194.4	30.5	25.6	29.4	32.1	32.5	37.0	37.0	Continuing	Continuing
Initial Spares										
Total Proc Cost	194.4	30.5	25.6	29.4	32.1	32.5	37.0	37.0	Continuing	Continuing
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** The Services need a highly mobile, self-contained collective protection system which can provide a contamination free working area for Echelon I and II medical treatment facilities and other selected units. The Chemical and Biological Protective Shelter (CBPS) satisfies this need. The CBPS replaces the M51 Chemical Protective Shelter. The system consists of a Collectively Protected (CP) shelter modularized and integrated into a service selected prime-mover. The system is completely self contained, self powered, mobile, and adaptable to a variety of missions. CBPS relieves medical, combat service, and combat service support personnel from wearing chemical-biological protective clothing. The system is capable of operating continuously for 72 hours providing a contamination free environmentally controlled working area.

**JUSTIFICATION:** This program will procure 33 up-armored CBPS systems in FY09.

<b>Exhibit P-5, Weapon</b>		Appropriation/Budget Activity/Serial No.			P-1 Line Item Nomenclature:			Weapon System Type:			Date:			
<b>WPN SYST Cost Analysis</b>		PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			(R12301) CB PROTECTIVE SHELTER (CBPS)						February 2008			
<b>Weapon System</b>		ID	<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>					
<b>Cost Elements</b>		CD				Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
						\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>CBPS UP-ARMORED</b>														
CBPS Up-armored		A				6800	17	400	11600	29	400	13200	33	400
Up-armored Prime Mover						5304	17	312	9048	29	312	10296	33	312
Filters						38	34	1.118	66	58	1.138	78	66	1.182
Up-armor Integrated Kit						7896	21	376						
Integration and Installation						340			560			740		
First Article Testing						6534			700			1230		
<b>OTHER COSTS</b>														
Engineering Support						1655			1984			1980		
Integrated Logistic Support						1895			1286			1313		
New Equipment Training												90		
Total Package Fielding (includes spares)									356			432		
<b>TOTAL</b>						<b>30462</b>			<b>25600</b>			<b>29359</b>		

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (R12301) CB PROTECTIVE SHELTER (CBPS)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
CBPS Up-armored FY 07	Smiths Detection, Edgewood, MD	C/FFP - Option 1	TACOM, Rock Island, IL	Aug-07	Dec-09	17	400000	Yes		
FY 08	Smiths Detection, Edgewood, MD	C/FFP - Option 2	TACOM, Rock Island, IL	Jan-08	Apr-10	29	400000	Yes		
FY 09	Smiths Detection, Edgewood, MD	C/FFP - Option 3	TACOM, Rock Island, IL	Jan-09	Nov-10	33	400000	Yes		
Up-armor Integrated Kit FY 07	Smiths Detection, Edgewood, MD	C/FFP	TACOM, Rock Island, IL	Aug-07	Sep-09	21	376000	Yes		

**REMARKS:** Production Lead times increased because new U.S. Army up-armor requirements have forced contract modifications and system design changes.



COST ELEMENTS	MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Fiscal Year 07												Fiscal Year 08												L A T E R
							Calendar Year 07												Calendar Year 08												
							O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
							C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E	
CBPS Un-armored	1	FY 04	A	26		26																									
CBPS Retrofit Kits	3	FY 04	A	34		34																									
CBPS Retrofit Kits	3	FY 05	A	161		161																									
CBPS Up-armored	2	FY 07	A	17		17																									
Up-armor Integrated Kit	2	FY 07	A	21		21																									
CBPS Up-armored	2	FY 08	A	29		29																									

	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
	C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E
	T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P

MFR	NAME/LOCATION	PRODUCTION RATES				UOM	LEAD TIMES				TOTAL	REMARKS
		MIN.	1-8-5	MAX.	Administrative		Production					
					Prior 1 Oct		After 1 Oct	Prior 1 Oct	After 1 Oct			
1	DRS Sustainment Systems, St. Louis, MO	1	8	12	E	Initial / Reorder	0 / 0	7 / 0	24 / 0	31 / 0	Production Lead times increased because new U.S. Army up-armor requirements have forced contract modifications and system design changes.	
2	Smiths Detection, Edgewood, MD	1	4	17	E	Initial / Reorder	12 / 0	10 / 3	26 / 28	36 / 31		
3	DRS Sustainment Systems, St. Louis, MO	1	25	50	E	Initial / Reorder	0 / 0	12 / 12	18 / 18	30 / 30		





**Budget Line Item #94**  
**CONTAMINATION AVOIDANCE**

**THIS PAGE INTENTIONALLY LEFT BLANK**

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No:  
PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature  
(GP2000) CONTAMINATION AVOIDANCE

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	1613.7	234.5	198.3	199.6	265.3	279.7	328.9	385.5	Continuing	Continuing
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	1613.7	234.5	198.3	199.6	265.3	279.7	328.9	385.5	Continuing	Continuing
Initial Spares										
Total Proc Cost	1613.7	234.5	198.3	199.6	265.3	279.7	328.9	385.5	Continuing	Continuing
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** Contamination Avoidance encompasses detection, warning and reporting, and reconnaissance systems. In the area of chemical, biological and radiological detection, the program procures point and remote (stand-off) detection systems: M22 Automatic Chemical Agent Detector and Alarm (ACADA) is a man-portable automatic alarm system capable of concurrent nerve and blister agent detection; The Improved Chemical Agent Monitor (ICAM) is a hand-held, service member operated device for monitoring chemical agent contamination on personnel and equipment; Multi-Service Radiacs (MSR) are a family of nuclear radiation detectors that are used by the Army, Marines and Navy to detect and measure various forms of nuclear radiation in the battle space and in Operations Other Than War. The systems are the AN/PDR-75, the AN/VDR-2, the AN/PDR-77 and the AN/UDR-13; Joint Biological Point Detection System (JBPDS) a point detection suite consisting of complementary trigger, sampler, detector, and identification technologies to detect and identify the full range of biological agents in real-time; Joint Chemical Agent Detector (JCAD) an automatic, lightweight man-portable, point-sampling, chemical warfare agent vapor detection/warning system which includes simultaneous and automatic detection by class (nerve, blister, and blood), identification and quantification of hazard levels, and data communication interface; and Joint Service (JS) Lightweight Stand-off Chemical Agent Detector (JSLSCAD) a ruggedized, passive, infrared detection system that automatically searches the surrounding atmosphere for chemical agent vapor clouds, with a 360 degree on-the-move stand-off detection at distances of up to two kilometers. In the warning and reporting and reconnaissance area: Joint Warning and Reporting Network (JWARN) provides a fully automated NBC detection and warning process throughout the battle space; JS Chemical /Biological/Radiological Agent Water Monitor (JCBRAWM) will be an automated, man-portable water sampling device designed to provide early warning and monitoring of chemical and biological warfare threats in source and potable water supplies; NBC Reconnaissance Vehicle (NBCRV) a dedicated system of nuclear and chemical detection and warning equipment, and biological sampling equipment integrated into a high speed, high mobility, armored carrier capable of performing NBC reconnaissance on primary, secondary, or cross country routes throughout the battle space; and Joint Nuclear Biological and Chemical Reconnaissance Systems (JNBCRS) provide field commanders with point and stand-off intelligence for real time field assessment of NBC hazards. The Joint Effects Model (JEM) an accredited model for predicting hazards associated with the release of contaminants into a variety of scenarios including: counterforce, passive defense, accident and/or incidents (Increment 1), high altitude releases, urban NBC environments (Increment 2) and building interiors, and human performance degradation (Increment 3). Joint Operational Effects Federation (JOEF) is a modeling and simulation tool required to determine the effects and assess the impact and risks associated with CBRN hazards, as well as Toxic Industrial Materials (TIM), on military operations.

**JUSTIFICATION:** Contamination Avoidance is the primary objective of the Joint NBC Defense program. Operational forces have an immediate need to safely operate, survive, and sustain operations in an NBC agent threat environment. Contamination Avoidance is necessary to maintain operational efficiency and minimize the need to decontaminate vehicles, equipment, and areas. Advanced chemical defensive equipment is required to enhance US capability to detect and identify threat agents in the battle space.

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (GP2000) CONTAMINATION AVOIDANCE			Weapon System Type:			Date: February 2008		
<b>Weapon System Cost Elements</b>	ID				<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
	CD				Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
					\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
JOINT WARNING & REPORTING NETWORK (JWARN)					6517			6702			6888		
JOINT BIO POINT DETECTION SYSTEM (JBPDS)					105333			80788			75778		
JS CHEMICAL/BIOLOGICAL/RADIOLOGICAL AGENT WATER MONITOR (JCB)								5016			6018		
JOINT EFFECTS MODEL (JEM)					2050			3512			4359		
JOINT OPERATIONAL EFFECTS FEDERATION (JOEF)								3589					
JOINT BIO STANDOFF DETECTOR SYSTEM (JBSDS)								3200					
NBC RECON VEHICLE (NBCRV)					10225			7764					
JOINT CHEM AGENT DETECTOR (JCAD)					22588			33638			38082		
MULTI-SERVICE RADIACS (MSR)					8512			6059			4152		
AUTO CHEMICAL AGENT ALARM (ACADA), M22					14437								
JOINT NBC RECONNAISSANCE SYSTEM (JNBCRS)					46086			31660			64333		
IMPROVED CHEMICAL AGENT MONITOR (ICAM)					5500								
JS LTWT STANDOFF CW AGT DETECTOR (JSLSCAD)					13247			16332					
<b>TOTAL</b>					<b>234495</b>			<b>198260</b>			<b>199610</b>		

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No:  
PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature  
(G47101) JOINT WARNING & REPORTING NETWORK (JWARN)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	20									20
Gross Cost	55.2	6.5	6.7	6.9	6.6	6.9	8.1	5.6	Continuing	Continuing
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	55.2	6.5	6.7	6.9	6.6	6.9	8.1	5.6	Continuing	Continuing
Initial Spares										
Total Proc Cost	55.2	6.5	6.7	6.9	6.6	6.9	8.1	5.6	Continuing	Continuing
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** JWARN will provide Joint Forces with a comprehensive analysis and response capability to minimize the effects of hostile Nuclear, Biological and Chemical (NBC) attacks and accidents/incidents. It will provide the operational capability to employ NBC warning technology which will collect, analyze, identify, locate, report and disseminate NBC warnings. JWARN will be compatible and integrated with Joint Services Command, Control, Communication, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) Systems. JWARN will be located in Command and Control Centers at the appropriate level and employed by NBC defense specialists and other designated personnel. JWARN will transfer data automatically from and to the actual detectors/sensors and provide commanders with analyzed data for decisions for disseminating warnings down to the lowest level on the battlefield. JWARN will provide additional data processing, production of plans and reports, and access to specific NBC information to improve the efficiency of limited NBC personnel assets.

JWARN One Delta (JWARN 1D) is a legacy version of JWARN fielded to warfighters to support operational requirements which evolved into JWARN Initial Capability (JIC), an enhanced capability that supports insight for the JWARN Inc 1 software development process. The JIC will evolve from a Block I-based capability to a Block II -based capability as the software matures. The JIC will provide direct feedback on existing JWARN system requirements to ensure that warfighter needs will be met by the interface to the JWARN Acquisition Program. JWARN Component Interface Device (JCID) is the hardware component of the JWARN system. In addition to providing the physical interface to the sensors and the structure of the network, these devices will perform certain software functions to support system operation.

**JUSTIFICATION:** FY09 funds to procure 10,000 JWARN JCID sets at FRP.



**Exhibit P-40C, Budget Item Justification Sheet**

Date:

February 2008

Appropriation/Budget Activity/Serial No:

PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature

(G47101) JOINT WARNING & REPORTING NETWORK (JWARN)

Program Elements for Code B Items:

0603884BP/Proj CA4; 0604384BP/Proj CA5 and Proj IS5

Code:

B

Other Related Program Elements:

**RD&E Code B Item**

JWARN will provide Joint Forces with a comprehensive analysis and response capability to minimize the effects of hostile Nuclear, Biological and Chemical (NBC) attacks and accidents/incidents. It will provide the operational capability to employ NBC warning technology which will collect, analyze, identify, locate, report and disseminate NBC warnings. JWARN will be compatible and integrated with Joint Services Command, Control, Communication, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) Systems.

JWARN One Delta (JWARN 1D) is a legacy version of JWARN fielded to warfighters to support operational requirements which evolved into JWARN Initial Capability (JIC), an enhanced capability that supports insight for the JWARN Inc 1 software development process. The JIC will evolve from a Block I-based capability to a Block II -based capability as the software matures. The JIC will provide direct feedback on existing JWARN system requirements to ensure that warfighter needs will be met by the interface to the JWARN Acquisition Program. JWARN Component Interface Device (JCID) is the hardware component of the JWARN system. In addition to providing the physical interface to the sensors and the structure of the network, these devices will perform certain software functions to support system operation.

RD&E FY06 and Prior - 134.4M; FY07 - 17.7M; FY08 - 23.5M; FY09 - 16.6M; FY10 - 7.5M; FY11 - 6.9M; FY12 - 3.9M; FY13 - 13.4M

**DEVELOPMENT/TEST STATUS AND MAJOR MILESTONES**

**START**

**COMPLETE**

JWARN Inc 1 - Development Test 3

1Q FY08

2Q FY08

JWARN Inc 1 - Operational Assessment 3

2Q FY08

2Q FY08

JWARN Inc 1 - Milestone C

3Q FY08

3Q FY08

JWARN Inc 1 - JCID Low Rate Initial Production (LRIP) Contract Award

3Q FY08

4Q FY08

JWARN Inc 1 - First Article Test

3Q FY08

3Q FY08

JWARN Inc 1 - Multiservice Operational Test & Evaluation

4Q FY08

1Q FY09

JWARN Inc 1 - Initial Operational Capability

1Q FY09

1Q FY09

JWARN Inc 1 - Full Rate Production Milestone Decision

2Q FY09

2Q FY09

JWARN Inc 1 - Full Rate Production

2Q FY09

2Q FY12

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (G47101) JOINT WARNING & REPORTING NETWORK (JWARN)			Weapon System Type:			Date: February 2008			
<b>Weapon System Cost Elements</b>		ID				<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
		CD				Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
						\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>JWARN - JIC SETS</b> JIC Equipment and Software		A				285	5	57						
<b>JWARN - JCID (LRIP)</b> JWARN - JCID LRIP		B							910	300	3.033			
<b>JWARN - JCID (FRP)</b> JWARN - JCID FRP		B										5000	10000	0.500
<b>OTHER COSTS</b> JWARN - Procurement Planning Support						2955			5300			1888		
JWARN 1F and JWARN Block II Init Capab Upgrades						3277			492					
<b>TOTAL</b>						<b>6517</b>			<b>6702</b>			<b>6888</b>		

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (G47101) JOINT WARNING & REPORTING NETWORK (JWARN)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
JWARN - JCID LRIP FY 08	Northrop Grumman Corporation	C/CPIF	Winter Park, FL	Oct-07	Jan-08	300	3033	Yes	Aug-08	
JWARN - JCID FRP FY 09	Unknown	C/CPAF	SPAWAR, San Diego, CA	Oct-08	Feb-09	10000	500	Yes	Jan-08	Jun-08

**REMARKS:**

COST ELEMENTS	M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Fiscal Year 07												Fiscal Year 08												L A T E R
							Calendar Year 07						Calendar Year 08																		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
JIC Equipment and Software	1	FY 07	A	2		2																									
JIC Equipment and Software	1	FY 07	AF	2		2																									
JIC Equipment and Software	1	FY 07	J	1		1																									
JWARN - JCID LRIP	1	FY 08	A	150		150																									
JWARN - JCID LRIP	1	FY 08	AF	150		150																									

	O C T N O V D E C J A N F E B M A R A P R M A Y J U N J U L A U G S E P O C T N O V D E C J A N F E B M A R A P R M A Y J U N J U L A U G S E P
--	--

MFR	NAME/LOCATION	PRODUCTION RATES			UOM	Initial / Reorder	LEAD TIMES			TOTAL After 1 Oct	REMARKS
		MIN.	1-8-5	MAX.			Administrative		Production		
							Prior 1 Oct	After 1 Oct	After 1 Oct		
1	Northrop Grumman Corporation	1	8	50	E	Initial / Reorder	0 / 0	3 / 0	5 / 8	8 / 8	
2	Unknown	1	8	1200	E	Initial / Reorder	4 / 0	0 / 0	5 / 5	5 / 5	

**Exhibit P21, Production Schedule**

P-1 Item Nomenclature:  
(G47101) JOINT WARNING & REPORTING NETWORK (JWARN)

Date:  
February 2008

COST ELEMENTS	MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Fiscal Year 09												Fiscal Year 10												L A T E R		
							Calendar Year 09												Calendar Year 10														
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
JWARN - JCID LRIP	1	FY 08	A	150	90	60																											
JWARN - JCID LRIP	1	FY 08	AF	150	90	60	25	25	10																								
JWARN - JCID FRP	2	FY 09	A	5000		5000	A				400	400	400	400	400	400	400	400	400	400	400	600											
JWARN - JCID FRP	2	FY 09	AF	5000		5000	A				400	400	400	400	400	400	400	400	400	400	400	600											

						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MFR	NAME/LOCATION	PRODUCTION RATES				UOM	LEAD TIMES				TOTAL	REMARKS					
		MIN.	1-8-5	MAX.	Administrative		Production										
					Prior 1 Oct		After 1 Oct										
					Prior 1 Oct		After 1 Oct	After 1 Oct	After 1 Oct								
1	Northrop Grumman Corporation	1	8	50	E	Initial / Reorder				0 / 0	3 / 0	5 / 8	8 / 8				
2	Unknown	1	8	1200	E	Initial / Reorder				4 / 0	0 / 0	5 / 5	5 / 5				

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No:  
PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature  
(JC0100) JOINT BIO POINT DETECTION SYSTEM (JBPDS)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost	377.4	105.3	80.8	75.8	111.0	111.0	100.6	99.5	Continuing	Continuing
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	377.4	105.3	80.8	75.8	111.0	111.0	100.6	99.5	Continuing	Continuing
Initial Spares										
Total Proc Cost	377.4	105.3	80.8	75.8	111.0	111.0	100.6	99.5	Continuing	Continuing
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** The Joint Biological Point Detection System (JBPDS) provides continuous, rapid, and fully automated collection, detection and identification of biological warfare agents. The JBPDS fully integrates a biological agent detection system, cyclone collector, fluid transfer system, biological agent detection system, and automated hand held assay reader into a biological sensor suite. The sensor suite, operated by two onboard controllers and a touchpad screen display, also includes commercial telemetry. The system can be controlled and monitored locally and remotely, and automatically interfaces with global positioning, meteorological, and communication systems. It is fully hardened and configured for a variety of service designated mobile platforms and battle spaces, including surface ships, wheeled vehicles, air base, and man portable applications. The JBPDS's four configuration specific nomenclatures are XM 96 Man Portable, XM 97 Shelter Vehicle, XM 98 Ship, and XM 102 trailer mounted configuration. JBPDS provides both: (1) a means to limit the effects of Biological Warfare Agent attacks and the potential for catastrophic effects to U.S. forces; and, (2) assistance to medical personnel in determining effective preventive measures, prophylaxis, and the appropriate treatment if exposure occurs. While, it is a first time defense capability for the US Marine Corps (JLNBCRS) and US Air Force, the JBPDS replaces interim capabilities provided to the US Navy (Interim Biological Agent Detection System (IBADS)), and the Army (BIDS NDI and BIDS P3I).

**JUSTIFICATION:** FY09 funds the procurement of 67 JBPDS systems. Configuration breakout is as follows: XM 96 Manportable (12); XM 97 Shelter Vehicle (35); XM 98 Ship (9), XM 102 Trailer (11).

**Exhibit P-40C, Budget Item Justification Sheet**

Date:

February 2008

Appropriation/Budget Activity/Serial No:

PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature

(JC0100) JOINT BIO POINT DETECTION SYSTEM (JBPDS)

Program Elements for Code B Items:

0603884BP/Proj BJ4 and Proj CA4; 0604384BP/Proj BJ5 and Proj CA5

Code:

B

Other Related Program Elements:

**RD&E Code B Item**

The Joint Biological Point Detection System (JBPDS) provides continuous, rapid, and fully automated collection detection and identification of biological warfare agents. The JBPDS fully integrates a cyclone collector, fluid transfer system, generic detection system, and automated hand held assay reader into a biological sensor suite. The sensor suite, operated by two onboard controllers and a touchpad screen display, also includes commercial telemetry, global positioning, meteorological, and network modem devices. The system can be controlled and monitored locally and remotely, and automatically interfaces with global positioning, meteorological, and communication systems. It is fully hardened and configured for a variety of service designated mobile platforms and battlespaces, including surface ships, wheeled vehicles, air base, and man portable applications. The JBPDS's four configuration specific nomenclatures are XM 96 Man Portable, XM 97 Shelter Vehicle, XM 98 Ship, and XM 102 trailer mounted configuration. JBPDS provides both: (1) a means to limit the effects of Biological Warfare Agent attacks and the potential for catastrophic effects to U.S. forces; and, (2) assistance to medical personnel in determining effective preventive measures, prophylaxis, and the appropriate treatment if exposure occurs. It is a first time defense capability for the US Marine Corps and US Air Force and replaces interim capabilities provided to the US Navy (Interim Biological Agent Detection System (IBADS)) and the Army (BIDS NDI and BIDS P3I).

RDT&E FY06 and Prior - 124.8M; FY07 - 1.9M; FY09 - 5.4M; FY10 - 7.5M; FY11 - 6.9M; FY12 - 10.0M

**DEVELOPMENT/TEST STATUS AND MAJOR MILESTONES**

	START	COMPLETE
Interim System Production - LRIP	4Q FY04	2Q FY09
Follow-On Operational Test and Evaluation (FOT&E)	4Q FY07	1Q FY08
MS C Full Rate Production Decision	1Q FY09	1Q FY09
Full Rate Production	2Q FY09	Continuing

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (JC0100) JOINT BIO POINT DETECTION SYSTEM (JBPDS)			Weapon System Type:			Date: February 2008		
<b>Weapon System Cost Elements</b>		ID	<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>				
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost		
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000		
<b>JBPDS - XM 96</b> XM 96 Manportable		B							4744	12	395		
<b>JBPDS - XM 97</b> XM 97 Shelter Vehicle		B	23560	76	310	16709	49	341	12104	35	346		
<b>JBPDS - XM 98</b> XM 98 Ship		B	3566	11	324	3950	11	359	3319	9	369		
<b>JBPDS - XM 102</b> XM 102 Trailer		B							4390	11	399		
3KW Gen									42	11	3.818		
NATO Slave Cable									9	11	0.818		
M103 Trailer									70	11	6.364		
<b>JBPDS - M31E2</b> HMMWV			5644	56	101	2888	28	103	3689	35	105		
Shelters			1622	56	28.964	830	28	29.643	1060	35	30.286		
Radios			3438	56	61.393	1759	28	62.821	2247	35	64.200		
Auxiliary Equipment			15113	56	270	7734	28	276	9879	35	282		
Shelter Modification Lead			6109			4017	28	143	3994	35	114		
<b>OTHER COSTS</b> In-House Assembly			2306			4984			4498				
Follow-On Test			18598			3710							
Quality Assurance			513			775			537				
Engineering Support			7679			8364			7505				
Interim Contractor Support			2836			3063			304				
Initial Spares			9335			9567			9250				
System Fielding Support			5014			6843			7330				
Engineering Change Orders						5595			807				
<b>TOTAL</b>			<b>105333</b>			<b>80788</b>			<b>75778</b>				



**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (JC0100) JOINT BIO POINT DETECTION SYSTEM (JBPDS)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
XM 96 Manportable FY 09	General Dynamics ATP, Charlotte, NC	C/FFP	RDECOM, Edgewood, MD	Feb-09	Jul-10	12	395333	Yes		
XM 97 Shelter Vehicle FY 07	General Dynamics ATP, Charlotte, NC	C/FFP/OPT 3	RDECOM, Edgewood, MD	Dec-06	Feb-08	76	310000	Yes		
FY 08	General Dynamics ATP, Charlotte, NC	C/FFP	RDECOM, Edgewood, MD	Feb-08	Jan-09	49	341000	Yes		
FY 09	General Dynamics ATP, Charlotte, NC	C/FFP	RDECOM, Edgewood, MD	Feb-09	Feb-10	35	345829	Yes		
XM 98 Ship FY 07	General Dynamics ATP, Charlotte, NC	C/FFP/OPT 3	RDECOM, Edgewood, MD	Dec-06	Feb-08	11	324182	Yes		
FY 08	General Dynamics ATP, Charlotte, NC	C/FFP	RDECOM, Edgewood, MD	Feb-08	Feb-09	11	359091	Yes		

**REMARKS:** LRIP thru FY08.

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (JC0100) JOINT BIO POINT DETECTION SYSTEM (JBPDS)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
XM 98 Ship (cont) FY 09	General Dynamics ATP, Charlotte, NC	C/FFP	RDECOM, Edgewood, MD	Feb-09	Feb-10	9	368778	Yes		
XM 102 Trailer FY 09	General Dynamics ATP, Charlotte, NC	C/FFP	RDECOM, Edgewood, MD	Feb-09	Jul-10	11	410091	Yes		

**REMARKS:** LRIP thru FY08.

COST ELEMENTS	MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Fiscal Year 07												Fiscal Year 08												L A T E R
							Calendar Year 07												Calendar Year 08												
							O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
							C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E	
XM 102 Trailer	3	FY 05	AF	3		3																									
XM 97 Shelter Vehicle	3	FY 06	A	63		63																									
XM 97 Shelter Vehicle	3	FY 06	AF	13		13																									
XM 97 Shelter Vehicle	3	FY 06	MC	16		16																									
XM 98 Ship	3	FY 06	N	19		19																									
XM 97 Shelter Vehicle	4	FY 07	A	56		56																									
XM 97 Shelter Vehicle	4	FY 07	AF	20		20																									
XM 98 Ship	4	FY 07	N	11		11																									
XM 97 Shelter Vehicle	1	FY 08	A	49		49																									
XM 98 Ship	1	FY 08	N	11		11																									

	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
	C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E
	T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P

MFR	NAME/LOCATION	PRODUCTION RATES				UOM	LEAD TIMES				TOTAL	REMARKS
		MIN.	1-8-5	MAX.	Initial / Reorder		Administrative		Production	After 1 Oct		
							Prior 1 Oct	After 1 Oct	After 1 Oct			
1	General Dynamics ATP, Charlotte, NC	4	10	24	E	Initial / Reorder	0 / 0	4 / 4	13 / 13	17 / 17	PM BCT will provide Army OPA funds to procure 16 additional XM97 Shelters in FY08 and 40 additional XM97 Shelters in FY09.	
2	General Dynamics ATP, Charlotte, NC	4	10	24	E	Initial / Reorder	7 / 0	10 / 0	15 / 0	25 / 0		
3	General Dynamics ATP, Charlotte, NC	4	10	24	E	Initial / Reorder	0 / 0	5 / 4	12 / 12	17 / 16		
4	General Dynamics ATP, Charlotte, NC	4	10	24	E	Initial / Reorder	0 / 0	2 / 0	15 / 0	17 / 0		



### Exhibit P21, Production Schedule

P-1 Item Nomenclature:  
(JC0100) JOINT BIO POINT DETECTION SYSTEM (JBPDS)

Date:  
February 2008

COST ELEMENTS	MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Fiscal Year 11												Fiscal Year 12												L A T E R
							Calendar Year 11						Calendar Year 12																		
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
XM 96 Manportable	1	FY 09	AF	12	6	6	4	2																							
XM 102 Trailer	1	FY 09	AF	11	3	8		2	3	3																					

OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

MFR	NAME/LOCATION	PRODUCTION RATES			UOM	LEAD TIMES			TOTAL	REMARKS
		MIN.	1-8-5	MAX.		Administrative		Production	After 1 Oct	
Number						Prior 1 Oct	After 1 Oct	After 1 Oct		
1	General Dynamics ATP, Charlotte, NC	4	10	24	E	Initial / Reorder	0 / 0	4 / 4	13 / 13	17 / 17
2	General Dynamics ATP, Charlotte, NC	4	10	24	E	Initial / Reorder	7 / 0	10 / 0	15 / 0	25 / 0
3	General Dynamics ATP, Charlotte, NC	4	10	24	E	Initial / Reorder	0 / 0	5 / 4	12 / 12	17 / 16
4	General Dynamics ATP, Charlotte, NC	4	10	24	E	Initial / Reorder	0 / 0	2 / 0	15 / 0	17 / 0

REMARKS  
PM BCT will provide Army OPA funds to procure 16 additional XM97 Shelters in FY08 and 40 additional XM97 Shelters in FY09.

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE  
 P-1 Item Nomenclature (JC0101) JS CHEMICAL/BIOLOGICAL/RADIOLOGICAL AGENT WATER MONITOR (JCB

Program Elements for Code B Items: Code: Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty			300	1300	50					1650
Gross Cost			5.0	6.0	3.2					14.2
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)			5.0	6.0	3.2					14.2
Initial Spares										
Total Proc Cost			5.0	6.0	3.2					14.2
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** The JCBRAWM will provide the ability to detect, identify, and quantify chemical, biological, and radiological (CBR) contamination during three water-monitoring missions: source site selection/reconnaissance, treatment verification, and quality assurance of stored and distributed product water. The JCBRAWM program employs an evolutionary acquisition approach structured to provide four increments of capability. Increment 1 will provide the capability to detect two biological agents using immunoassays and to detect alpha and beta radiation using components of the fielded AN/PDR-77 system and accessory package. Increment 2 will provide capability to detect eight additional biological agents using a sample concentrator. Increment 2 will also detect chemical agents to the Tri-Service standard using a sample concentrator to enhance performance of the existing M272 Water Test Kit. Increment 3 will provide a new detection system to replace the M272 Water Test Kit capable of batch sampling and detection of chemical warfare agents to include non-traditional agents (NTAs) and toxic industrial chemicals (TICs). Increment 4 will provide a capability for in-line monitoring of water to detect chemical, biological, and radiological agents. Increment 4 will replace the three previous increments for most applications.

**JUSTIFICATION:** The FY09 JCBRAWM procurement funding will procure Increment 1 JCBRAWM Full Rate Production (FRP) kits; 1300 kits and 31,000 spare assays.

**Exhibit P-40C, Budget Item Justification Sheet**

Date:

February 2008

Appropriation/Budget Activity/Serial No:

PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature

(JC0101) JS CHEMICAL/BIOLOGICAL/RADIOLOGICAL AGENT WATER MONITOR (JCB

Program Elements for Code B Items:

0603884BP/Proj CA4; 0604384BP/Proj CA5

Code:

Other Related Program Elements:

The JCBRAWM will provide the ability to detect, identify, and quantify chemical, biological, and radiological (CBR) contamination during three water-monitoring missions: source site selection/reconnaissance, treatment verification, and quality assurance of stored and distributed product water. The JCBRAWM program employs an evolutionary acquisition approach structured to provide four increments of capability. Increment 1 will provide the capability to detect two biological agents using immunoassays and to detect alpha and beta radiation using components of the fielded AN/PDR-77 system and accessory package. Increment 2 will provide capability to detect eight additional biological agents using a sample concentrator. Increment 2 will also detect chemical agents to the Tri-Service standard using a sample concentrator to enhance performance of the existing M272 Water Test Kit. Increment 3 will provide a new detection system to replace the M272 Water Test Kit capable of batch sampling and detection of chemical warfare agents to include non-traditional agents (NTAs) and toxic industrial chemicals (TICs). Increment 4 will provide a capability for in-line monitoring of water to detect chemical, biological, and radiological agents. Increment 4 will replace the three previous increments for most applications.

RDT&E FY06 and Prior - 7.4M; FY07 - 5.3M; FY08 - 2.2M; FY09 - 4.1M; FY10 - 1.7M

**DEVELOPMENT/TEST STATUS AND MAJOR MILESTONES**

**START**

**COMPLETE**

Operational/Development Test Increment 1

2Q FY07

1Q FY08

MS C Increment 1 Low Rate Initial Production

2Q FY08

2Q FY08

MS C Increment 1 Full Rate Production (FRP) Decision

2Q FY09

2Q FY09

Exhibit P-5, Weapon		Appropriation/Budget Activity/Serial No.			P-1 Line Item Nomenclature:			Weapon System Type:			Date:			
WPN SYST Cost Analysis		PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			(JC0101) JS CHEMICAL/BIOLOGICAL/RADIOLOGICAL AGENT WATER MONITOR (JCB						February 2008			
Weapon System		ID	FY 07			FY 08			FY 09					
Cost Elements		CD				Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
						\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>JCBRAWM INC 1 LRIP</b>														
Engineering Spt (Gov't)									600					
Production Qualification Test (PQT)									2116					
Technical Manuals									700					
Inc 1 LRIP - Bio Assay Tickets Spares									650	13000	0.050			
System Fielding Support (Total Package Fielding, First Destination Transportation and New Equipment Training)									150					
Inc 1 LRIP JCBRAWM Kit									800	300	2.667			
<b>JCBRAWM INC 1 FRP</b>														
Engineering Spt (Gov't)												551		
Inc 1 FRP - Bio Assay Tickets Spares												1550	31000	0.050
System Fielding Support (Total Package Fielding, First Destination Transportation and New Equipment Training)												317		
Inc 1 FRP JCBRAWM Kit												3600	1300	2.769
<b>TOTAL</b>									<b>5016</b>			<b>6018</b>		



**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (JC0101) JS CHEMICAL/BIOLOGICAL/RADIOLOGICAL AGENT WATER MONITOR (JCB)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
Inc 1 LRIP - Bio Assay Tickets Spares FY 08	ANP Technologies, Inc., Newark, DE	C/FFP	RDECOM, APG, MD	Jan-08	Apr-08	13000	50	Yes		
Inc 1 LRIP JCBRAWM Kit FY 08	Unknown	C/FFP	RDECOM, APG, MD	May-08	Jul-08	300	2667	Yes		
Inc 1 FRP - Bio Assay Tickets Spares FY 09	ANP Technologies, Inc., Newark, DE	C/FFP	RDECOM, APG, MD	Jan-09	Apr-09	31000	50	Yes		
Inc 1 FRP JCBRAWM Kit FY 09	Unknown	C/FFP	RDECOM, APG, MD	Jan-09	Apr-09	1300	2769	Yes		

**REMARKS:**





**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No:  
PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature  
(JC0208) JOINT EFFECTS MODEL (JEM)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty		2452	4541	5340						12333
Gross Cost	3.0	2.1	3.5	4.4					Continuing	Continuing
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	3.0	2.1	3.5	4.4					Continuing	Continuing
Initial Spares										
Total Proc Cost	3.0	2.1	3.5	4.4					Continuing	Continuing
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** Joint Effects Model (JEM) are in separate increments and is capable of modeling hazards in a variety of scenarios including: counterforce, passive defense, accident and/or incidents (Increment 1), high altitude releases, urban Nuclear, Biological, and Chemical (NBC) environments (Increment 2), building interiors, and human performance degradation (Increment 3). Battle space commanders and first responders must have a CBRN hazard prediction capability in order to make decisions that will minimize risks of Chemical, Biological, Radiological, and Nuclear (CBRN) contamination and enable them to continue mission operations. The JEM is DoD's only accredited model for predicting hazards associated with the release of contaminants into the environment. JEM will operate in an integrated fashion with operational and tactical C4ISR systems, and in a standalone mode. JEM will interface and communicate with the other programs such as JPEO-CBD Joint Warning and Reporting Network (JWARN), the Joint Operational Effects Federation (JOEF), weather systems, intelligence systems, and various databases.

**JUSTIFICATION:** FY09 procures 5340 Increment 1 software copies at 14 separate Command and Control systems. Procurement of software will also include software fixes, updates and maintenance to the JEM baseline software to ensure JEM continues to evolve along with required host Service C4I systems upgrades.

**Exhibit P-40C, Budget Item Justification Sheet**

Date:

February 2008

Appropriation/Budget Activity/Serial No:

PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature

(JC0208) JOINT EFFECTS MODEL (JEM)

Program Elements for Code B Items:

0604384BP/Proj IS5

Code:

B

Other Related Program Elements:

PE 0604384BP, Project CA5

**RD&E Code B Item**

Joint Effects Model (JEM) are in separate increments and is capable of modeling hazards in a variety of scenarios including: counterforce, passive defense, accident and/or incidents (Increment 1), high altitude releases, urban Nuclear, Biological, and Chemical (NBC) environments (Increment 2), building interiors, and human performance degradation (Increment 3). Battle space commanders and first responders must have a CBRN hazard prediction capability in order to make decisions that will minimize risks of Chemical, Biological, Radiological, and Nuclear (CBRN) contamination and enable them to continue mission operations. The JEM is DoD's only accredited model for predicting hazards associated with the release of contaminants into the environment. JEM will operate in an integrated fashion with operational and tactical C4ISR systems, and in a standalone mode. JEM will interface and communicate with the other programs such as JPEO-CBD Joint Warning and Reporting Network (JWARN), the Joint Operational Effects Federation (JOEF), weather systems, intelligence systems, and various databases.

RD&E FY06 and Prior - 28.8M; FY07 - 6.8M; FY08 - 14.4M; FY09 - 14.8M; FY10 - 14.4M; FY11 - 6.5M; FY12 - 6.9M; FY13 - 7.3M

**DEVELOPMENT/TEST STATUS AND MAJOR MILESTONES**

**START**

**COMPLETE**

Increment 1 - M/S C

4Q FY07

4Q FY07

Increment 1 - Production and Deployment

4Q FY07

3Q FY09

Increment 1 - Limited Deployment Phase

4Q FY07

2Q FY08

Increment 1 - Multiservice Operational Test and Eval (MOTE) I

1Q FY08

1Q FY08

Increment 1 - Initial Operational Capability (IOC)

2Q FY08

4Q FY08

Increment 1 - Full Rate Production

2Q FY08

4Q FY08

Increment 1 - Follow-on Test and Evaluation

3Q FY08

2Q FY09

Increment 1 - Multiservice Operational Test and Eval (MOTE) II

4Q FY08

4Q FY08

Increment 2 - Software Development

1Q FY08

2Q FY10

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (JC0208) JOINT EFFECTS MODEL (JEM)			Weapon System Type:			Date: February 2008			
<b>Weapon System Cost Elements</b>		ID	<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>					
		CD				Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
						\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>JEM - INCREMENT 1</b>		A												
Software & Installation (Contractor)						567	2452	0.231	881	4541	0.194	1308	5340	0.245
Technical Engineering Support						489			465			737		
System Fielding Support (Total Package Fielding, First Destination Transportation & New Equipment Training) (NET)).						994			1192			2314		
Software Pre-Planned Product Improvement									974					
<b>Government Engineering Support</b>														
<b>TOTAL</b>					<b>2050</b>			<b>3512</b>			<b>4359</b>			

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (JC0208) JOINT EFFECTS MODEL (JEM)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
Software & Installation (Contractor)										
FY 07	Northrop Grumman Defense Mission Systems, Inc., Reston, VA	C/CPAF	SPAWARSYSCOM, San Diego, CA	Feb-07	Mar-07	2452	231	Yes	Jul-06	Sep-06
FY 08	Northrop Grumman Defense Mission Systems, Inc., Reston, VA	C/CPAF	SPAWARSYSCOM, San Diego, CA	Jan-08	Feb-08	4541	194	Yes	Jul-07	Sep-07
FY 09	Unknown	C/CPAF	SPAWARSYSCOM, San Diego, CA	Feb-09	Mar-09	5340	245	Yes	Jun-08	Aug-08

**REMARKS:**





**Exhibit P21, Production Schedule**

P-1 Item Nomenclature:

(JC0208) JOINT EFFECTS MODEL (JEM)

Date:

February 2008

COST ELEMENTS	MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Fiscal Year 09												Fiscal Year 10												L A T E R		
							Calendar Year 09												Calendar Year 10														
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
Software & Installation (Contractor)	1	FY 08	A	2277	1988	289																											
Software & Installation (Contractor)	1	FY 08	AF	2000	1750	250																											
Software & Installation (Contractor)	2	FY 09	A	2675		2675						A	267	268	267	268	267	268	267	268	267	268											
Software & Installation (Contractor)	2	FY 09	AF	2355		2355						A	235	235	235	235	235	235	240	235	235	235											
Software & Installation (Contractor)	2	FY 09	MC	56		56						A	56																				
Software & Installation (Contractor)	2	FY 09	N	254		254						A	254																				

MFR	NAME/LOCATION	PRODUCTION RATES			UOM	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	REMARKS				
		MIN.	1-8-5	MAX.																											LEAD TIMES			
																															Administrative		Production	
Number																																		
1	Northrop Grumman Defense Mission Systems, Inc., Reston, VA 260	400	3000	E	Initial / Reorder	0 / 0	4 / 3	2 / 3	6 / 6																									
2	Unknown	260	400	3000	Initial / Reorder	0 / 0	4 / 4	2 / 2	6 / 6																									

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE	P-1 Item Nomenclature (JC0209) JOINT OPERATIONAL EFFECTS FEDERATION (JOEF)
---	---

Program Elements for Code B Items:	Code:	Other Related Program Elements:
------------------------------------	-------	---------------------------------

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty			121							121
Gross Cost			3.6		3.5				Continuing	Continuing
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)			3.6		3.5				Continuing	Continuing
Initial Spares										
Total Proc Cost			3.6		3.5				Continuing	Continuing
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** The Joint Operational Effects Federation (JOEF) is a modeling and simulation tool required to determine the effects and assess the impact and risks associated with CBRN hazards, as well as Toxic Industrial Materials (TIM), on military operations. This system supports a non-real time, advance planning and analysis capability, as well as a near real time dynamic staff action support tool capability. JOEF is required to accurately depict the CBRN warfare environment including sensor/system deployment and the effects on personnel, equipment, and operations. JOEF is a CBRND tool to meet the Capability Development Document (CDD) requirements for fixed sites, mobile forces, medical capabilities, automation of tactics, techniques and procedures (TTPs), and to provide for Consequence Management. JOEF will provide a computer-based federated software system capable of providing deliberate planning support for the development of CBRND operational plans and near real time decision aids in a combat environment.

**NOTE:** JOEF will be fielded as a multi-variant software system which will interact with existing C41 systems. Each version will be tailorable to meet supported site requirements and therefore will generate a range of unit costs.

**Exhibit P-40C, Budget Item Justification Sheet**

Date:

February 2008

Appropriation/Budget Activity/Serial No:

PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature

(JC0209) JOINT OPERATIONAL EFFECTS FEDERATION (JOEF)

Program Elements for Code B Items:

0603884BP/Proj IS4; 0604384BP/Proj IS5

Code:

B

Other Related Program Elements:

PE 0604384BP/Proj CA5

**RD&E Code B Item**

The Joint Operational Effects Federation (JOEF) is a modeling and simulation tool required to determine the effects and assess the impact and risks associated with CBRN hazards, as well as Toxic Industrial Materials (TIM), on military operations. This system supports a non-real time, advance planning and analysis capability, as well as a near real time dynamic staff action support tool capability. JOEF is required to accurately depict the CBRN warfare environment including sensor/system deployment and the effects on personnel, equipment, and operations. JOEF is a CBRND tool to meet the Capability Development Document (CDD) requirements for fixed sites, mobile forces, medical capabilities, automation of tactics, techniques and procedures (TTPs), and to provide for Consequence Management. JOEF will provide a computer-based federated software system capable of providing deliberate planning support for the development of CBRND operational plans and near real time decision aids in a combat environment.

RD&E FY06 and Prior - 22.0M; FY07 - 9.9M; FY08 - 4.7M; FY09 - 8.0M; FY10 - 2.0M; FY11 - 2.7M; FY12 - 5.9M; FY13 - 7.1M

**DEVELOPMENT/TEST STATUS AND MAJOR MILESTONES**

**START**

**COMPLETE**

Increment 1 - Award Systems Development and Demonstration (SDD) Contract

2Q FY06

2Q FY06

Increment 1 - Software Development

2Q FY06

3Q FY07

Increment 1 - DT Build 1

1Q FY07

1Q FY07

Increment 1 - Operational Assessment

2Q FY08

2Q FY08

Increment 1 - DT Build 2

1Q FY08

1Q FY08

Increment 1 - Multi-Service Operational Test & Evaluation (MOTE)

4Q FY08

4Q FY08

Increment 1 - Milestone C (Limited Deployment)

4Q FY08

4Q FY08

Increment 1 - Initial Operational Capability (IOC)

4Q FY08

4Q FY08

Increment 1 - Full Operational Capability (FOC)

4Q FY09

4Q FY09

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (JC0209) JOINT OPERATIONAL EFFECTS FEDERATION (JOEF)			Weapon System Type:			Date: February 2008			
Weapon System Cost Elements		ID	FY 07			FY 08			FY 09					
		CD				Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
						\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>JOEF - INCREMENT 1</b>		A												
JOEF Software Systems									451	121	3.727			
ILS Planning									1211					
Installation Planning									992					
Installations									530					
Training								405						
<b>TOTAL</b>									<b>3589</b>					

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (JC0209) JOINT OPERATIONAL EFFECTS FEDERATION (JOEF)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
JOEF Software Systems FY 08	Unknown	MIPR	Unknown	Sep-08	Oct-08	121	3727	Yes	Jun-09	Jun-09

**REMARKS:**





**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No:  
PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature  
(JC0250) JOINT BIO STANDOFF DETECTOR SYSTEM (JBSDS)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	12									12
Gross Cost	23.7		3.2					20.0	Continuing	Continuing
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	23.7		3.2					20.0	Continuing	Continuing
Initial Spares										
Total Proc Cost	23.7		3.2					20.0	Continuing	Continuing
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** The Joint Biological Stand-off Detector System (JBSDS) is the first joint biological stand-off early warning, biological detection (BD) system. The system will be capable of providing near real time detection of biological attacks/incidents, and stand-off early detection/warning (Detect to Warn) of biological warfare (BW) agents at fixed sites or when mounted on multiple platforms, including NBC reconnaissance platforms. It will be capable of providing stand-off detection, ranging, tracking, discrimination (manmade vs. natural occurring aerosols), and generic detection (biological vs. non-biological) of large area BW aerosol clouds for advanced warning, reporting, and protection.



**Exhibit P-40C, Budget Item Justification Sheet**

Date:

February 2008

Appropriation/Budget Activity/Serial No:

PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature

(JC0250) JOINT BIO STANDOFF DETECTOR SYSTEM (JBSDS)

Program Elements for Code B Items:

0604384BP/Proj BJ5 and Proj CA5

Code:

B

Other Related Program Elements:

**RD&E Code B Item**

The Joint Biological Stand-off Detector System (JBSDS) is the first joint biological stand-off early warning, biological detection (BD) system. The system will be capable of providing near real time detection of biological attacks/incidents, and stand-off early detection/warning (Detect to Warn) of biological warfare (BW) agents at fixed sites or when mounted on multiple platforms, including NBC reconnaissance platforms. It will be capable of providing stand-off detection, ranging, tracking, discrimination (manmade vs. natural occurring aerosols), and generic detection (biological vs. non-biological) of large area BW aerosol clouds for advanced warning, reporting, and protection.

RDT&E FY06 and Prior - 66.4M; FY07 - 18.4M; FY09 - 10.3M; FY10 - 3.1M; FY11 - 7.4M; FY12 - 26.1M; FY13 - 11.4M

**DEVELOPMENT/TEST STATUS AND MAJOR MILESTONES**

**START**

**COMPLETE**

Increment 1 JBSDS LRIP (2 Systems)

3Q FY04

2Q FY05

Increment 1 JBSDS LRIP (4 Systems)

2Q FY05

2Q FY05

Increment 1 JBSDS Multi-Service Operational Test & Evaluation (MOT&E)

4Q FY06

1Q FY08

Increment 2 Spiral 2 Milestone C

3Q FY13

3Q FY13

<b>Exhibit P-5, Weapon</b> <b>WPN SYST Cost Analysis</b>		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (JC0250) JOINT BIO STANDOFF DETECTOR SYSTEM (JBSDS)			Weapon System Type:			Date: February 2008			
<b>Weapon System</b> <b>Cost Elements</b>		ID	<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>					
		CD				Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
						\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>INC I</b>														
JBSDS LRIP II Hardware									1700	2	850			
<b>OTHER COSTS</b>														
Engineering Support									1500					
<b>TOTAL</b>									<b>3200</b>					

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (JC0250) JOINT BIO STANDOFF DETECTOR SYSTEM (JBSDS)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
JBSDS LRIP II Hardware FY 08	Science & Engineering Services, Inc	C/FPI	RDECOM, APG, MD	Jan-08	Oct-08	2	850000	Yes		

**REMARKS:**





**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No:  
PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature  
(JC1500) NBC RECON VEHICLE (NBCRV)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	9	13								22
Gross Cost	87.2	10.2	7.8							105.2
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	87.2	10.2	7.8							105.2
Initial Spares										
Total Proc Cost	87.2	10.2	7.8							105.2
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** The Nuclear Biological Chemical Reconnaissance Vehicle (NBCRV) sensor suite is a dedicated system of nuclear and chemical detection and warning equipment, and biological sampling equipment. The sensor suite is integrated into a high speed, high mobility, armored carrier capable of performing NBC reconnaissance on primary, secondary, or cross country routes throughout the battlefield. The NBCRV will have the capability to detect and collect chemical and biological contamination in its immediate environment, on the move, thru point detection Chemical Biological Mass Spectrometer (CBMS) and Joint Biological Point Detection System (JBPDS), and at a distance thru the use of a stand-off detector, the Joint Service Lightweight Stand-off Chemical Agent Detector (JSLSCAD). It automatically integrates contamination information from detectors with input from on-board navigation and meteorological systems and automatically transmits digital NBC warning messages thru the vehicle's command and control equipment to warn follow-on forces.

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (JC1500) NBC RECON VEHICLE (NBCRV)			Weapon System Type:			Date: February 2008		
<b>Weapon System Cost Elements</b>		ID	<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>				
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost		
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000		
<b>NBCRV HARDWARE SUITE</b>													
CBMS II		B				3000	10	300					
Sampling System			2288	13	176								
UDR-13 Radiac and Mount		A	27	13	2.077								
Sensor Processing Group (SPG)			1339	13	103								
Chem Vapor Sampling System (CVSS)			944	13	72.615	726	10	72.600					
Bio Cooler			13	13	1								
<b>OTHER COSTS</b>													
Engineering Change Orders			525			386							
Acceptance/First Article Testing CBMS						875							
Acceptance/First Article Testing CVSS						920							
Acceptance/First Article Testing			400										
Quality Assurance (Gov't)			300										
Engineering Support (Gov't)			1712			1857							
Technical Manuals			240										
Software Support			1400										
Initial Spares			1037										
<b>TOTAL</b>			<b>10225</b>			<b>7764</b>							

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (JC1500) NBC RECON VEHICLE (NBCRV)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
NBCRV Hardware Sensor Suite FY 07	General Dynamics Land Systems, Detroit, MI	SS/FFP	TACOM, Detroit, MI	Feb-08	Dec-08	13	354692	Yes		
CBMS II FY 08	Unknown	SS/FFP	TACOM, Detroit, MI	Jun-08	May-09	10	300000	Yes		
Chem Vapor Sampling System (CVSS) FY 08	Unknown	SS/FFP	TACOM, Detroit, MI	Jun-08	Jan-09	10	72600	Yes		
NBCRS Fox Hardware Army Title IX Bridge FY 07	General Dynamics Land Systems, Detroit MI	SS/FFP	TACOM, Detroit, MI	Aug-07	Jul-08	14	919000	Yes		

**REMARKS:** Purchases for FY04-07 are made thru modifications to base year contracts. There are no contract options. NBCRS Fox hardware refurbishment funded with Army Title IX Supplemental funds.







**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No:  
PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature  
(JF0100) JOINT CHEM AGENT DETECTOR (JCAD)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	100	2843	5764	7413	4513	4168	5420	7161		37382
Gross Cost	1.0	22.6	33.6	38.1	37.8	35.1	46.6	62.8	Continuing	Continuing
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	1.0	22.6	33.6	38.1	37.8	35.1	46.6	62.8	Continuing	Continuing
Initial Spares										
Total Proc Cost	1.0	22.6	33.6	38.1	37.8	35.1	46.6	62.8	Continuing	Continuing
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** The Joint Chemical Agent Detector (JCAD) is an automatic, lightweight, point-sampling, chemical warfare agent vapor detection/warning system. The system is capable of simultaneous and automatic detection by class (nerve, blister, and blood), identification and quantification of hazard levels, and contains a data communications interface. JCAD will operate in rotary wing and fixed wing cargo aircraft, in tracked vehicles, as personal detectors, and aboard ships (via a platform interface kit). Increment 1 JCAD systems are being purchased to replace the Chemical Agent Monitor (CAM), Improved CAM (ICAM), Automatic Chemical Agent Detector and Alarm (ACADA or M22), M90, and M8A1. The Increment 2 JCAD will expand upon the Increment 1 capability by providing detection of low-level cumulative exposures (quantify), providing increased utility aboard ship and rotary wing aircraft, and expanding the number and types of chemicals that can be detected. The Increment 2 JCAD will be net-ready. The Installed Point Detection System (IPDS), purchased only in FY08, is an automatic point detection system used to detect, warn, and classify chemical warfare agent vapors external to Navy ships. The IPDS was a modular (form and fit) replacement for existing fielded shipboard detection systems.

**JUSTIFICATION:** The FY09 funding will procure 7,413 Increment 1 Joint Chemical Agent Detectors (JCAD).

**Exhibit P-40C, Budget Item Justification Sheet**

Date:

February 2008

Appropriation/Budget Activity/Serial No:

PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature

(JF0100) JOINT CHEM AGENT DETECTOR (JCAD)

Program Elements for Code B Items:

0604384BP/Proj CA5

Code:

B

Other Related Program Elements:

**RD&E Code B Item**

The Joint Chemical Agent Detector (JCAD) is an automatic, lightweight, point-sampling, chemical warfare agent vapor detection/warning system. The system is capable of simultaneous and automatic detection by class (nerve, blister, and blood), identification and quantification of hazard levels, and contains a data communications interface. JCAD will operate in rotary wing and fixed wing cargo aircraft, in tracked vehicles, as personal detectors, and aboard ships (via a platform interface kit). Increment 1 JCAD systems are being purchased to replace the Chemical Agent Monitor (CAM), Improved CAM (ICAM), Automatic Chemical Agent Detector and Alarm (ACADA or M22), M90, and M8A1. The Increment 2 JCAD will expand upon the Increment 1 capability by providing detection of low-level cumulative exposures (quantify), providing increased utility aboard ship and rotary wing aircraft, and expanding the number and types of chemicals that can be detected. The Increment 2 JCAD will be net-ready. The Installed Point Detection System (IPDS), purchased only in FY08, is an automatic point detection system used to detect, warn, and classify chemical warfare agent vapors external to Navy ships. The IPDS was a modular (form and fit) replacement for existing fielded shipboard detection systems.

RD&E FY06 and Prior - 115.0M; FY07 - 5.4M; FY08 - 11.6M; FY09 - 13.8M; FY10 - 4.3M; FY11 - 1.9M

**DEVELOPMENT/TEST STATUS AND MAJOR MILESTONES**

**START**

**COMPLETE**

JCAD Inc 1 - Production Qualification Test (PQT)	4Q FY04	1Q FY07
JCAD Inc 1 - Milestone C Low Rate Initial Production (LRIP) Decision	3Q FY07	3Q FY07
JCAD Inc 1 - Multi-service Operational Test and Evaluation (MOT&E)	4Q FY07	4Q FY07
JCAD Inc 1 - Milestone C Full Rate Production (FRP) Decision	2Q FY08	2Q FY08
JCAD Inc 2 - Production Qualification Test (PQT)	4Q FY07	2Q FY09
JCAD Inc 2 - Milestone C Low Rate Initial Production (LRIP) Decision	4Q FY09	4Q FY09
JCAD Inc 2 - LRIP Contract Award	4Q FY09	4Q FY09
JCAD Inc 2 - Production Verification Test (PVT)	1Q FY10	2Q FY10
JCAD Inc 2 - Multi-service Operational Test and Evaluation (MOT&E)	2Q FY10	3Q FY10

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (JF0100) JOINT CHEM AGENT DETECTOR (JCAD)			Weapon System Type:			Date: February 2008		
<b>Weapon System Cost Elements</b>		ID	<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>				
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost		
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000		
<b>JCAD INCREMENT 1 - LRIP</b>													
JCAD Inc 1 LRIP Hardware (Basic)		B	3900	600	6.500								
JCAD Inc 1 LRIP Hardware			9904	2243	4.416	13941	3157	4.416					
Platform Interface Kits/Communications Adapters			1674	540	3.100	1178	380	3.100					
Engineering Support (Gov't)			2910										
System Fielding Support (Gov't) (Total Package Fielding, First Destination Transportation and New Equipment Training)			500										
Product Verification Test			3700										
<b>JCAD INCREMENT 1- FRP</b>													
JCAD Inc 1 FRP Hardware		A				11472	2607	4.400	32613	7413	4.399		
Platform Interface Kits/Communication Adapters						960	320	3	2400	800	3		
Engineering Support (Gov't)						2717			2419				
Systems Fielding Support (Gov't) (Total Package Fielding, First Destination Transportation and New Equipment Training)						520			650				
<b>OTHER COSTS</b>													
IPDS Hardware						1550	8	194					
Production Verification Test Start/Ship Engineering (IPDS)						1300							
<b>TOTAL</b>			<b>22588</b>			<b>33638</b>			<b>38082</b>				

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (JF0100) JOINT CHEM AGENT DETECTOR (JCAD)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
JCAD Inc 1 LRIP Hardware (Basic) FY 07	Smiths Detection, Edgewood, MD	SS/FFP	RDECOM, APG, MD	Jun-07	Jul-07	600	6500	Yes		
JCAD Inc 1 LRIP Hardware FY 07	Smiths Detection, Edgewood, MD	SS/FFP (Opt 1)	RDECOM, APG, MD	Jan-08	Feb-08	2243	4416	Yes		
FY 08	Smiths Detection, Edgewood, MD	SS/FFP (Opt 1)	RDECOM, APG, MD	Jan-08	Jun-08	3157	4416	Yes		
Platform Interface Kits/Communications Adapters FY 07	Smiths Detection, Edgewood, MD	SS/FFP	RDECOM, APG, MD	Jan-08	Mar-08	540	3100	Yes		
FY 08	Smiths Detection, Edgewood, MD	SS/FFP	RDECOM, APG, MD	Jan-08	Mar-08	380	3100	Yes		
JCAD Inc 1 FRP Hardware FY 08	Smiths Detection, Edgewood, MD	SS/FFP (Opt 2)	RDECOM, APG, MD	Mar-08	Jan-09	2607	4400	Yes		

**REMARKS:** Basic contract award followed MDA approval for 600 LRIP units, Jun 07. Option 1 award (2243 units) pending MDA approval Jan 08 for the additional LRIP items.

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (JF0100) JOINT CHEM AGENT DETECTOR (JCAD)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
JCAD Inc 1 FRP Hardware (cont) FY 09	Smiths Detection, Edgewood, MD	SS/FFP (Opt 3)	RDECOM, APG, MD	Nov-08	Jun-09	7413	4399	Yes		
Platform Interface Kits/Communication Adapters FY 08	Smiths Detection, Edgewood, MD	SS/FFP	RDECOM, APG, MD	Mar-08	May-08	320	3000	Yes		
IPDS Hardware FY 08	Unknown	C/FFP	Unknown	May-08	Sep-08	8	193750	Yes		
JCAD Inc 1 FRP Hardware (Army Supplemental) FY 07	Smiths Detection, Edgewood, MD	SS/FFP (Opt 2)	RDECOM, APG, MD	Mar-08	Jul-08	6300	6000	Yes		
JCAD Inc 1 FRP Hardware (Army Baseline) FY 08	Smiths Detection, Edgewood, MD	SS/FFP	RDECOM, APG, MD	Mar-08	Jan-09	2555	5900	Yes		

**REMARKS:** Basic contract award followed MDA approval for 600 LRIP units, Jun 07. Option 1 award (2243 units) pending MDA approval Jan 08 for the additional LRIP items.

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (JF0100) JOINT CHEM AGENT DETECTOR (JCAD)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
JCAD Inc 1 FRP Hardware (Army Baseline) (cont)  FY 09	Smiths Detection, Edgewood, MD	SS/FFP	RDECOM, APG, MD	Dec-08	Aug-09	4825	5900	Yes		

**REMARKS:** Basic contract award followed MDA approval for 600 LRIP units, Jun 07. Option 1 award (2243 units) pending MDA approval Jan 08 for the additional LRIP items.







**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No:  
PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature  
(JN0789) MULTI-SERVICE RADIACS (MSR)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	7874	5139	2735	2459	2600					20807
Gross Cost	17.6	8.5	6.1	4.2	2.7					39.0
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	17.6	8.5	6.1	4.2	2.7					39.0
Initial Spares										
Total Proc Cost	17.6	8.5	6.1	4.2	2.7					39.0
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** The Multi-Service Radiacs are a family of nuclear radiation detectors that are used by the Army, Marines, and Navy to detect and measure various forms of nuclear radiation in the battle space and in operations other than war. The systems allow users to avoid contamination and to reduce their exposure when avoidance is not possible. The four systems are the AN/PDR-75, the AN/VDR-2, the AN/PDR-77 and the AN/UDR-13. The AN/PDR-75 consists of the CP-696 Reader and the DT-236 Individual Dosimeter. The dosimeter is worn by individuals and measures the neutron and gamma dose the individual has received. The AN/VDR-2 is a tactical beta/gamma rate meter that is used for Health and Safety detection as well as in the battle space. It is also integrated into armored and wheeled vehicles with available mounts and installation kits. The AN/PDR-77 is used for nuclear weapons accident response, environmental level measurement of radiological materials, and in monitoring work areas where chemical detectors are repaired. It measures alpha, beta, gamma, and X-ray radiation with multiple probes. The AN/UDR-13 is a tactical dosimeter that is used in the field to monitor the radiation dose of a platoon or equivalent sized unit to make tactical decisions on stay time and route. It also has a rate meter function.

**JUSTIFICATION:** FY09 funding procures 2,293 AN/UDR-13 Radiac Meters and 166 AN/PDR-77 Radiac Sets.

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (JN0789) MULTI-SERVICE RADIACS (MSR)			Weapon System Type:			Date: February 2008		
<b>Weapon System Cost Elements</b>		ID	<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>				
		CD		Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	
				\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	
<b>AN/PDR-77</b>													
AN/PDR-77 Hardware		A		3324	560	5.936	2850	475	6	1096	166	6.602	
Engineering Support (Gov't)				200			200			200			
Quality Assurance				197			157			162			
Total Package Fielding				50			50			50			
Initial Spares				374			300			69			
Update Technical Manuals				10			10			10			
<b>AN/UDR-13</b>													
AN/UDR-13 Hardware		A		3182	4579	0.695	1925	2673	0.720	1651	2293	0.720	
Engineering Support (Gov't)				418			312			350			
Quality Assurance				350						350			
Total Package Fielding				70			50			50			
Initial Spares				327			200			154			
Update Technical Manuals				10			5			10			
<b>TOTAL</b>				<b>8512</b>			<b>6059</b>			<b>4152</b>			

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (JN0789) MULTI-SERVICE RADIACS (MSR)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
AN/PDR-77 Hardware FY 08	Canberra Dover, Dover, NJ	C/FFP (OPT2)	CECOM, FT Monmouth, NJ	Nov-07	Apr-08	475	6000	Yes		
FY 09	Canberra Dover, Dover, NJ	C/FFP (OPT3)	CECOM, FT Monmouth, NJ	Nov-08	Mar-09	166	6602	Yes		
AN/UDR-13 Hardware FY 08	Canberra Dover, Dover, NJ	C/FFP (OPT2)	CECOM, FT Monmouth, NJ	Nov-07	Apr-08	2673	720	Yes		
FY 09	Canberra Dover, Dover, NJ	C/FFP (OPT3)	CECOM, FT Monmouth, NJ	Nov-08	Mar-09	2293	720	Yes		
AN/UDR-13 Hardware (Army Supplemental) FY 07	Canberra Dover, Dover, NJ	C/FFP	CECOM, FT Monmouth, NJ	Jul-07	Mar-08	16009	720	Yes		
AN/UDR-13 Hardware (Army Baseline) FY 08	Canberra Dover, Dover, NJ	C/FFP	CECOM, FT Monmouth, NJ	Dec-07	Oct-08	4215	725	Yes		

**REMARKS:**

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (JN0789) MULTI-SERVICE RADIACS (MSR)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
AN/VDR-2 Hardware (Baseline) FY 08	Canberra Dover, Dover, NJ	SS/FFP	CECOM, FT Monmouth, NJ	Dec-07	Jun-08	1150	2000	Yes		
AN/PDR-75 Hardware (Army OPA3 Baseline) FY 07	Canberra Dover, Dover, NJ	C/FFP	CECOM, FT Monmouth, NJ	Dec-06	Jan-08	128	6633	Yes		
FY 08	Canberra Dover, Dover, NJ	C/FFP	CECOM, FT Monmouth, NJ	Dec-07	Feb-09	128	7031	Yes		
AN/PDR-75 Hardware (Army Bridge) FY 07	Canberra Dover, Dover, NJ	C/FFP	CECOM, FT Monmouth, NJ	Dec-06	Apr-08	52	6827	Yes		

**REMARKS:**







<b>Exhibit P21, Production Schedule</b>	P-1 Item Nomenclature: (JN0789) MULTI-SERVICE RADIACS (MSR)	Date: February 2008
---	--	------------------------

COST ELEMENTS	MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Fiscal Year 09												Fiscal Year 10												L A T E R											
							Calendar Year 09												Calendar Year 10																							
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP												
							T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P												
AN/UDR-13 Hardware (Army Supplemental)	1	FY 07	A	16009	9783	6226	1600	1600	1600	1426																																
AN/UDR-13 Hardware	10	FY 08	MC	2673	1500	1173	250	250	250	250	173																															
AN/UDR-13 Hardware (Army Baseline)	10	FY 08	A	4215		4215	700	700	700	700	700	715																														
AN/VDR-2 Hardware (Baseline)	7	FY 08	A	1150	550	600	300	300																																		
AN/PDR-75 Hardware (Army OPA3 Baseline)	8	FY 08	A	128		128							10	35	35	35	13																									
AN/PDR-77 Hardware	9	FY 09	A	166		166		A					40	40	40	40	6																									
AN/UDR-13 Hardware	10	FY 09	MC	2293		2293		A					197	197	197	197	197	197	197	197	197	197	126																			

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	--

MFR	NAME/LOCATION	PRODUCTION RATES				UOM	LEAD TIMES	TOTAL	REMARKS			
		MIN.	1-8-5	MAX.	UOM					Administrative		Production
										Prior 1 Oct	After 1 Oct	After 1 Oct
1	Canberra Dover, Dover, NJ	100	600	2000	E	Initial / Reorder	0 / 0	9 / 9	13 / 5	22 / 14		
2	Canberra Dover, Dover, NJ	100	600	2000	E	Initial / Reorder	0 / 0	1 / 1	3 / 9	4 / 10		
3	Canberra Dover, Dover, NJ	2	50	200	E	Initial / Reorder	0 / 0	5 / 1	5 / 7	10 / 8		
4	Canberra Dover, Dover, NJ	100	600	2000	E	Initial / Reorder	0 / 0	10 / 0	5 / 0	15 / 0		
5	Canberra Dover, Dover, NJ	100	600	2000	E	Initial / Reorder	0 / 0	3 / 3	8 / 5	11 / 8		
6	Canberra Dover, Dover, NJ	100	600	2000		Initial / Reorder	0 / 0	3 / 3	7 / 7	10 / 10		
7	Canberra Dover, Dover, NJ	100	600	2000		Initial / Reorder	0 / 0	3 / 3	8 / 8	11 / 11		
8	Canberra Dover, Dover, NJ	5	20	60		Initial / Reorder	0 / 0	3 / 3	6 / 6	9 / 9		
9	Canberra Dover, Dover, NJ	20	50	200		Initial / Reorder	0 / 0	5 / 1	1 / 5	6 / 6		
10	Canberra Dover, Dover, NJ	100	600	2000		Initial / Reorder	0 / 0	1 / 1	5 / 5	6 / 6		

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No:  
PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature  
(M98801) AUTO CHEMICAL AGENT ALARM (ACADA), M22

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	25978	1035								27013
Gross Cost	294.9	14.4								309.3
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	294.9	14.4								309.3
Initial Spares										
Total Proc Cost	294.9	14.4								309.3
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** The Automatic Chemical Agent Detector and Alarm (ACADA) is a man-portable, automatic alarm system that is capable of detecting blister and nerve agent vapors. The ACADA has improved agent sensitivity, response time, and interferent rejection from previous point detector alarms. It operates independently after system start-up, automatically monitors and detects for a minimum of 24 hours, provides audio and visual alarms, and has a communication interface that supports battle space automation systems. The ACADA provides a first time, point detection capability to automatically detect blister agents. It allows battle space commanders to use information obtained to make rapid and effective decisions concerning adjusting the protective posture of their soldiers. The ACADA meets the critical needs of U.S. Forces for an automatic, point sampling, chemical agent alarm. A shipboard ACADA variant was developed to operate under specific shipboard environments; the 24/7 ACADA was developed to operate beyond the operational requirements of 12 hour missions and provide for continuous operation capability, 24 hours a day, 7 days a week; and the ACADA D was developed to detect non-traditional threat agents (NTA).

**NOTE:** The FY 2007 ACADA program contained \$6.6M of Emergency Supplemental Funding.

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (M98801) AUTO CHEMICAL AGENT ALARM (ACADA), M22			Weapon System Type:			Date: February 2008			
<b>Weapon System Cost Elements</b>		ID				<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
		CD				Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
						\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>M22 ACADA</b>														
M22 ACADA Hardware		A				5511	471	11.701						
<b>M22 ACADA (SUPPLEMENTAL)</b>														
M22 ACADA Hardware (Supplemental)		A				6599	564	11.700						
<b>OTHER COSTS</b>														
Engineering Support (Gov't)						1628								
System Fielding Support (Total Package Fielding, First Destination Transportation and New Equipment Training)						699								
<b>TOTAL</b>						<b>14437</b>								

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (M98801) AUTO CHEMICAL AGENT ALARM (ACADA), M22					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
M22 ACADA Hardware FY 07	Smiths Detection, Edgewood, MD	SS/FFP	RDECOM, APG, MD	Dec-06	Mar-07	471	11701	Yes		
M22 ACADA Hardware (Supplemental) FY 07	Smiths Detection, Edgewood, MD	SS/FFP	RDECOM, APG, MD	May-07	Sep-07	564	11700	Yes		
M22 ACADA Hardware (Army Baseline) FY 07	Smiths Detection, Edgewood, MD	SS/FFP	RDECOM, APG, MD	Dec-06	May-07	678	11701	Yes		
M22 ACADA Hardware (Army Bridge) FY 07	Smiths Detection, Edgewood, MD	SS/FFP	RDECOM, APG, MD	Dec-06	May-07	216	11699	Yes		
M22 ACADA/M4 JCAD Hardware (Main Army Supplemental) FY 07	Smiths Detection, Edgewood, MD	SS/FFP	RDECOM, APG, MD	Dec-07	Jan-08	900	11038	Yes		

**REMARKS:** The ACADA contract type for all fiscal years is indefinite delivery/indefinite quantity (basic contract with no options).

FY07 Army Baseline and Bridge/Reset funds awarded on same contract but listed separately on P5A for tracking and reporting purposes.

**Exhibit P21, Production Schedule**

P-1 Item Nomenclature:  
(M98801) AUTO CHEMICAL AGENT ALARM (ACADA), M22

Date:  
February 2008

COST ELEMENTS	MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Fiscal Year 07												Fiscal Year 08												L A T E R
							Calendar Year 07												Calendar Year 08												
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
M22 ACADA Hardware	4	FY 06	A	1400	1100	300	300																								
M22 ACADA Hardware	4	FY 06	NG	1136		1136		292	300	300	244																				
M22 ACADA Hardware (Supplemental)	4	FY 06	A	514		514					514																				
M22 ACADA Hardware	5	FY 07	A	471		471				A		200	271																		
M22 ACADA Hardware (Supplemental)	4	FY 07	A	564		564							A					564													
M22 ACADA Hardware (Army Baseline)	5	FY 07	A	678		678			A				113	300	265																
M22 ACADA Hardware (Army Bridge)	5	FY 07	A	216		216			A				216																		
M22 ACADA/M4 JCAD Hardware (Main Army Sup	6	FY 07	A	495		495													A	495											
M22 ACADA/M4 JCAD Hardware (Main Army Sup	6	FY 07	NG	405		405													A	405											

OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP

MFR	NAME/LOCATION	PRODUCTION RATES			UOM		LEAD TIMES			TOTAL	REMARKS
		MIN.	1-8-5	MAX.			Administrative		Production		
							Prior 1 Oct	After 1 Oct	After 1 Oct		
1	Smiths Detection, Watford, UK	20	500	1500	E	Initial / Reorder	2 / 2	5 / 5	5 / 5	10 / 10	
2	Smiths Detection, Watford, UK	20	500	1500	E	Initial / Reorder	2 / 2	9 / 4	7 / 5	16 / 9	
3	Smiths Detection, Watford, UK	20	500	1500	E	Initial / Reorder	2 / 2	9 / 4	7 / 5	16 / 9	
4	Smiths Detection, Edgewood, MD	20	500	1500	E	Initial / Reorder	0 / 0	7 / 7	4 / 5	11 / 12	
5	Smiths Detection, Edgewood, MD	20	500	1500	E	Initial / Reorder	0 / 0	2 / 2	5 / 4	7 / 6	
6	Smiths Detection, Edgewood, MD	20	500	1500		Initial / Reorder	0 / 0	11 / 14	4 / 2	15 / 16	
7	Smiths Detection, Edgewood, MD	52	525	1500		Initial / Reorder	0 / 0	6 / 6	4 / 4	10 / 10	

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No:  
PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature  
(MC0100) JOINT NBC RECONNAISSANCE SYSTEM (JNBCRS)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	6		1	17	20	13	17	17		91
Gross Cost	128.2	46.1	31.7	64.3	100.5	118.4	158.3	162.6	Continuing	Continuing
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	128.2	46.1	31.7	64.3	100.5	118.4	158.3	162.6	Continuing	Continuing
Initial Spares										
Total Proc Cost	128.2	46.1	31.7	64.3	100.5	118.4	158.3	162.6	Continuing	Continuing
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** The Joint Nuclear Biological and Chemical Reconnaissance Systems (JNBCRS) Light Armored Vehicles will provide field commanders with point and stand-off intelligence for real time field assessment of NBC hazards.

The Joint Nuclear Biological and Chemical Reconnaissance System I (JNBCRS I), formerly the JSLNBCRS, is a NBC detection and identification system. The major segments are the Base Vehicle (BV), Command and Control, and NBC Equipment Suite. The base vehicle segment consists of the vehicle, life support subsystem, and power supply subsystems. The NBC equipment suite performs the vital functions of detecting, identifying, collecting, reporting, and marking NBC hazards and toxic industrial chemicals.

The JNBCRS II fills a mission critical dismounted need to enhance Chemical, Biological, Nuclear (CBRN) reconnaissance platoon capabilities. The JNBCRS II contains mission essential kits consisting of both commercial and government off-the-shelf equipment to provide detection, presumptive identification, sample collection, marking, and immediate reporting of standard NBC hazards, to include hazardous industrial materials.

The JNBCRS III integrates improved sensors into the JNBCRS, while optimizing design to improve human factor aspects of the configurations. The sensor suites consist of the following: Joint Contaminated Surface Detector (JCSD), Chemical Biological Mass Spectrometer II, Biological Agent Warning Sensor IV, and Dry Filter Unit in lieu of the Joint Biological Point Detection System

**JUSTIFICATION:** FY09 JNBCRS I funds integrate 20 LAVs.

FY09 JNBCRS II funds procure 4 sets of equipment, training devices, and initial spares for commercial and government off-the-shelf (COTS & GOTS) equipment.

**Exhibit P-40C, Budget Item Justification Sheet**

Date:

February 2008

Appropriation/Budget Activity/Serial No:

PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature

(MC0100) JOINT NBC RECONNAISSANCE SYSTEM (JNBCRS)

Program Elements for Code B Items:

0603884BP/Proj CA4; 0604384BP/Proj CA5

Code:

B

Other Related Program Elements:

**RD&E Code B Item**

The Joint Nuclear Biological and Chemical Reconnaissance Systems (JNBCRS) Light Armored Vehicles, and the Stryker provide field commanders with point and stand-off intelligence for real time field assessment of NBC hazards. The Joint Nuclear Biological and Chemical Reconnaissance System I (JNBCRS I), formerly the JSLNBCRS, is an NBC detection and identification system. Major segments are the Base Vehicle (BV), Command and Control, and NBC Equipment Suite. The base vehicle segment consists of the vehicle, life support subsystem, and power supply subsystems. The NBC equipment suite performs the vital functions of detecting, identifying, collecting, reporting, and marking NBC hazards and toxic industrial chemicals. The JNBCRS II fills a mission critical need to enhance Chemical, Biological, Nuclear (CBRN) reconnaissance platoon capabilities. The JNBCRS II contains mission essential kits consisting of both commercial and government off-the-shelf equipment to provide detection, presumptive identification, sample collection, marking, and immediate reporting of standard NBC hazards, to include hazardous industrial materials. The JNBCRS III integrates improved sensors into the JNBCRS, while optimizing design to improve human factor aspects of the configurations. The sensor suites consist of the following: Joint Contaminated Surface Detector (JCSD), Chemical Biological Mass Spectrometer II, Biological Agent Warning Sensor IV, and Dry Filter Unit in lieu of the Joint Biological Point Detection System

RD&E FY06 and Prior - 124.0M; FY07 - 1.6M; FY08 - 11.3M; FY09 - 9.5M; FY10 - 9.0M; FY11 - 5.3M

**DEVELOPMENT/TEST STATUS AND MAJOR MILESTONES**

**START**

**COMPLETE**

JNBCRS I HMMWV (LRIP) First Article Test (FAT)

4Q FY05

4Q FY05

JNBCRS I Multi-service Operational Test and Evaluation (MOT&E) for HMMWV and the LAV

3Q FY06

4Q FY06

JNBCRS I Milestone C Full Rate Production (FRP) Decision

1Q FY09

1Q FY09

JNBCRS II Prod Verification Test - Commercial off-the-shelf Equip

3Q FY09

2Q FY10

CBMS II - Chemical/Biological Full & Open Competition

4Q FY08

3Q FY09

JCSD - Hardware Maturation Effort

1Q FY08

4Q FY08

JCSD - Environmental & Reliability Growth Testing

1Q FY09

3Q FY09

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (MC0100) JOINT NBC RECONNAISSANCE SYSTEM (JNBCRS)			Weapon System Type:			Date: February 2008		
Weapon System Cost Elements		ID	FY 07			FY 08			FY 09				
		CD		Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	
				\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	
<b>INC II - DISMOUNTED</b>													
Dismounted (JNBCRS II)							2280	3	760	3040	4	760	
Initial Spares							320			1241			
Production Verification Test (PVT)										750			
Training Devices										1000			
Specifications & Drawings										950			
Technical Manuals										1500			
Engineering Support (Govt)							62			1000			
<b>INC I - LAV II</b>													
LAV II Variant - Base Vehicle (JNBCRS I)										9400	4	2350	
CBMS II (Refurb)		B		1506									
ACADA (Depot Purchase)							154	14	11				
ICAM (Depot Purchase)							84	14	6				
RADIAC ADM 300							14	14	1				
Comm/Nav Equipment		B					154	14	11				
Components for FRP Assembly Contract (LAV II)										28840	20	1442	
LAV Integration and Assembly										9060	20	453	
Test Support/Acceptance/First Article Test				2995			1989			875			
Software Development				655			1116						
ECOs				1800			942			765			
Long Lead Contractor Furnished Equipt							5525						
Engineering and Technical Support (Gov't)				2175			3519			2078			
Quality Control (Gov't)				1250			755						
Specifications and Drawings				695			755			190			
Training Materials							631						
Technical Manuals				1400			1500			850			
System Fielding Support (Total Package Fielding, First Destination Transportation, New Equipment Training)				170									
Non-recurring Engineering				1829			2060			873			
LRIP Continuation				18000									
Deficiency Correction Testing				8084			4530						



<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (MC0100) JOINT NBC RECONNAISSANCE SYSTEM (JNBCRS)			Weapon System Type:			Date: February 2008			
<b>Weapon System Cost Elements</b>		ID				<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
		CD				Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
						\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
CFE Refurb Sys Eng Pgm Mgmt						3613 1914			3100 2170			1921		
<b>TOTAL</b>						<b>46086</b>			<b>31660</b>			<b>64333</b>		

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (MC0100) JOINT NBC RECONNAISSANCE SYSTEM (JNBCRS)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
Dismounted (JNBCRS II) FY 08	Engineering Chem Bio Center (ECBC) APG-EA	MIPR	ECBC, Edgewood, MD	Nov-07	Mar-08	3	760000	Yes		
FY 09	Unknown	C/FFP	Unknown	Dec-08	Jun-09	4	760000	Yes		
LAV II Variant - Base Vehicle (JNBCRS I) FY 09	General Dynamics, Sterling Heights, MI	C/FFP (OPT 1)	TACOM, RI, IL	Jan-09	Jan-10	4	2350000	Yes		
LAV Integration and Assembly FY 09	Unknown	C/FFP	Unknown	Jan-09	Feb-10	20	453000	Yes		

**REMARKS:**







**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No:  
PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature  
(S02201) IMPROVED CHEMICAL AGENT MONITOR (ICAM)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	19359	927								20286
Gross Cost	103.1	5.5								108.6
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	103.1	5.5								108.6
Initial Spares										
Total Proc Cost	103.1	5.5								108.6
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** The Improved Chemical Agent Monitor (ICAM) is a hand-held service member operated device for monitoring chemical agent contamination on personnel and equipment. It detects chemical agent vapors by sensing molecular ions of specific mobilities (time-of-flight) and uses timing and microprocessor techniques to reject interferences and false alarms. The ICAM is able to detect and discriminate between vapors of nerve and mustard agents in addition to being able to identify and provide positive indication of specific areas and relative levels of contamination hazard. The monitor consists of a drift tube, signal processor, molecular sieve, membrane, confidence tester, dust filters, buzzer, and battery pack. It measures 4-inches by 7-inches and weighs approximately 5 lbs. The ICAM is a smaller, lighter upgrade of the CAM which significantly improves maintainability with fix forward-modular repair and improves reliability by 300%.

**NOTE:** The FY 2007 ICAM program contains \$5.5M of Congressional Plus-up Funding.

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (S02201) IMPROVED CHEMICAL AGENT MONITOR (ICAM)			Weapon System Type:			Date: February 2008			
<b>Weapon System Cost Elements</b>		ID				<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
		CD				Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
						\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>ICAM HARDWARE - SUPPLEMENTAL</b>														
ICAM Hardware - Congressional Plus-up		A				4263	927	4.599						
System Fielding Support (Total Package Fielding, First Destination Transportation & New Equipment Training) (Gov't)						375								
Engineering Support (Gov't)						862								
<b>TOTAL</b>						<b>5500</b>								

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (S02201) IMPROVED CHEMICAL AGENT MONITOR (ICAM)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
ICAM Hardware - Congressional Plus-up FY 07	Smiths Detection, Edgewood, MD	C/FFP	TACOM, Rock Island, IL	Dec-06	Mar-09	927	4599	Yes		
ICAM Hardware (Army Baseline) FY 07	Smiths Detection, Edgewood, MD	C/FFP	TACOM, Rock Island, IL	Dec-06	Oct-08	700	4599	Yes		
FY 09	Smiths Detection, Edgewood, MD	C/FFP	TACOM, Rock Island, IL	Dec-08	Sep-09	960	5103	Yes		
ICAM Hardware (Army Bridge) FY 07	Smiths Detection, Edgewood, MD	C/FFP	TACOM, Rock Island, IL	Dec-06	Sep-08	139	4599	Yes		
	Smiths Detection, Edgewood, MD	C/FFP	TACOM, Rock Island, IL	Dec-06	Nov-08	1583	4599	Yes		
ICAM Hardware (Army Supplemental) FY 07	Smiths Detection, Edgewood, MD	C/FFP	TACOM, Rock Island, IL	Sep-07	Jul-09	610	4602	Yes		

**REMARKS:**







**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2008

Appropriation/Budget Activity/Serial No:  
PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature  
(S10801) JS LTWT STANDOFF CW AGT DETECTOR (JSLSCAD)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	51	15								66
Gross Cost	26.3	13.2	16.3					9.9	Continuing	Continuing
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	26.3	13.2	16.3					9.9	Continuing	Continuing
Initial Spares										
Total Proc Cost	26.3	13.2	16.3					9.9	Continuing	Continuing
Flyaway U/C										
Wpn Sys Proc U/C										

**DESCRIPTION:** The Joint Service Lightweight Standoff Chemical Agent Detector (JSLSCAD) Increment I is a lightweight, passive, standoff, chemical warfare agent (CWA) vapor detector that improves upon the capabilities of the current M21 Remote Sensing Chemical Agent Alarm (RSCAAL). It is a line-of-sight, infrared (IR) detection system that provides up to 360 degree coverage, while stationary or on-the-move, at distances up to two (2) kilometers. JSLSCAD provides warfighters an early warning capability to avoid contaminated battle spaces or, if avoidance is not possible, time to don full protective equipment (i.e., Mission Oriented Protective Posture (MOPP) gear). The JSLSCAD Increment I provides these capabilities while integrated within the Army Stryker Nuclear Biological Chemical Reconnaissance Vehicle (NBCRV).

**Exhibit P-40C, Budget Item Justification Sheet**

Date:

February 2008

Appropriation/Budget Activity/Serial No:

PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE

P-1 Item Nomenclature

(S10801) JS LTWT STANDOFF CW AGT DETECTOR (JSLSCAD)

Program Elements for Code B Items:

0603884BP/Proj CA4; 0604384BP/Proj CA5

Code:

B

Other Related Program Elements:

**RD&E Code B Item**

The Joint Service Lightweight Standoff Chemical Agent Detector (JSLSCAD) Increment I is a lightweight, passive, standoff, chemical warfare agent (CWA) vapor detector that improves upon the capabilities of the current M21 Remote Sensing Chemical Agent Alarm (RSCAAL). It is a line-of-sight, infrared (IR) detection system that provides up to 360 degree coverage, while stationary or on-the-move, at distances up to two (2) kilometers. JSLSCAD provides warfighters an early warning capability to avoid contaminated battle spaces or, if avoidance is not possible, time to don full protective equipment (i.e., Mission Oriented Protective Posture (MOPP) gear). The JSLSCAD Increment I provides these capabilities while integrated within the Army Stryker Nuclear Biological Chemical Reconnaissance Vehicle (NBCRV).

RDT&E FY06 and Prior - 145.6M; FY07 - 15.7M; FY09 - 3.5M; FY10 - 11.1M; FY11 - 10.0M; FY12 - 7.1M; FY13 - 6.4M

**DEVELOPMENT/TEST STATUS AND MAJOR MILESTONES**

**START**

**COMPLETE**

Milestone C/Low Rate Initial Production (LRIP) Decision

2Q FY07

2Q FY07

LRIP Contract Award

4Q FY07

4Q FY07

Full Rate Production (FRP) Decision

2Q FY08

2Q FY08

System of Systems Approach

1Q FY07

1Q FY09

Engineering Development Test (EDT)

4Q FY07

4Q FY07

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/Budget Activity/Serial No. PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE			P-1 Line Item Nomenclature: (S10801) JS LTWT STANDOFF CW AGT DETECTOR (JSLSCAD)			Weapon System Type:			Date: February 2008			
<b>Weapon System Cost Elements</b>		ID				<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
		CD				Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
						\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>JSLSCAD</b>														
JSLSCAD Hardware		A				5625	15	375						
Engineering Support						922			1092					
Contractor Logistics Support						650			800					
Technical Data, Engineering Change Proposals (ECPs)						1500			1500					
System Fielding Support (Total Package Fielding, First Destination Transportation and NET)						1050								
Pre-Planned Product Improvement (P3I)									9000					
First Article Test						3500								
Specifications and Drawings									940					
Non-recurring Engineering									1500					
Software Modifications									1500					
<b>TOTAL</b>						<b>13247</b>			<b>16332</b>					

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2008

Appropriation/Budget Activity/Serial No: PROCUREMENT DEFENSE-WIDE/3/CHEM-BIO DEFENSE		Weapon System Type:			P-1 Line Item Nomenclature: (S10801) JS LTWT STANDOFF CW AGT DETECTOR (JSLSCAD)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date 1st Delivery	QTY Each	Unit Cost \$	Spec/TDP Avail Now?	Date Revsn Avail	RFP Issue Date
JSLSCAD Hardware FY 07	General Dynamics, Charlotte, NC	C/CPIF	RDECOM, APG, MD	Jul-07	Dec-08	15	375000	Yes		

**REMARKS:**



