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**Department of Defense  
Fiscal Year (FY) 2016 President's Budget Submission**

February 2015



**Chemical and Biological Defense Program**

*Defense Wide Justification Book of*

***Procurement, Defense-Wide***

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Chemical and Biological Defense Program • President's Budget Submission FY 2016 • Procurement

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## Chemical Biological Defense Program Overview

Chemical, biological, radiological, and nuclear (CBRN) threats are dynamic and ever-changing. The rapid advancement and global proliferation of chemical and biological (CB) capabilities greatly extends the spectrum of plausible actors, agents, concepts of use, and targets. These advancements enable our nation's state and non-state adversaries to develop unique CBRN threats with the intent of circumventing our current defenses. To ensure an effective response to these threats, the Department of Defense (DoD) Chemical and Biological Defense Program (CBDP) continuously and actively develops CBRN defensive capabilities to stay ahead of evolving threats. This 2016 budget request includes \$1.3 billion to provide a framework for the allocation of fiscal resources against valid capability requirements to achieve a strategy-driven balance of risk in accordance with National Defense Strategies, Department-level objectives, and Service force development priorities.

The CBDP published a new strategy in 2012 to address current defense policy set by public law, National strategies, Departmental Directives and Instructions, and senior leadership guidance. This strategy outlined the CBDP vision and mission of a DoD that addresses CBRN threats and minimizes their effects, and its mission is to enable the Warfighter to deter, prevent, protect, mitigate, respond, and recover from CBRN threats and effects as part of a layered, integrated defense. To support the vision and mission, the CBDP has four enduring strategic goals that define the desired strategic end-states and associated lines of action for the program and its Enterprise Components. These are:

1. *Equip the force* to successfully conduct military operations to prevent, protect, and respond to CBRN threats and effects.
2. *Prevent surprise* by anticipating CBRN threats and developing new capabilities for the Warfighter to counter emerging threats.
3. *Maintain infrastructure* to meet and adapt current and future needs for personnel, equipment, and facilities within funding constraints.
4. *Lead the Enterprise* to integrate and align activities to fulfill the CBDP mission.

Throughout FY2013 and going forward, the following strategic program objectives guide efforts to accomplish the *CBDP Strategic Plan* goals:

- Establish a robust MCM pipeline from requirements definition, through Research, Development, Test, and Evaluation (RDT&E) and U.S. Food and Drug Administration (FDA) approval, to manufacturing and distribution. This pipeline shall focus on mitigating current CBRN threats using platform technologies capable of expediting responses to validated known and emerging threats.
- Develop synergistic, technologically advanced environmental surveillance and point-of-need diagnostic capabilities against CBRN threats to enable rapid force protection decisions.

- Provide CBRN defense capabilities to support biosurveillance efforts and enable the Warfighter to achieve information dominance in the CBRN domain.
- Integrate NTA defense capabilities into future CB defense systems, as appropriate.
- Develop and field suitable, effective, and affordable broad-spectrum CB detection capabilities to detect current and emerging CB hazards.
- Maintain critical capabilities and competencies, aligned with RDA priorities, to rapidly develop, test, and field CBRN defensive capabilities to the Warfighter.
- Implement risk-based planning and decision-making processes within the Enterprise.

Focused efforts within this budget are captured in a number of emphasis areas that are a collection of mutually-supporting S&T efforts, systems acquisition programs, and T&E capabilities aimed at delivering comprehensive CBR defense capabilities to the warfighter. Emphasis areas are derived from National Strategies, senior leader guidance, and CBDP community priorities. The four key emphasis areas are: medical countermeasures (MCMs), diagnostics, biosurveillance, and non-traditional agent (NTA) defenses.

### **Medical Countermeasures**

The *National Strategy for Countering Biological Threats* emphasized the importance of developing MCMs to reduce impacts of outbreaks of infectious disease whether of natural, accidental, or deliberate origin. Homeland Security Presidential Directive (HSPD)-10, “Biodefense for the 21<sup>st</sup> Century,” and HSPD-18, “MCMs Against Weapons of Mass Destruction,” directed U.S. government agencies to “conduct joint development and procurement of medical countermeasures” throughout the Interagency and with international partner nations. HSPD-18 also stated that the Secretary of Defense shall retain exclusive responsibility for research, development, acquisition, and deployment of medical countermeasures to prevent or mitigate the health effects of WMD threats and naturally occurring threats to the Armed Forces and shall continue to direct strategic planning for and oversight of programs to support medical countermeasures development and acquisition for our Armed Forces personnel. MCMs include capabilities to protect the warfighter against CBR threats and mitigate illness, suffering, and death. MCMs will provide end-to-end countermeasures against emerging infectious diseases, genetically engineered threats, naturally occurring biological phenomena, novel chemical agents, and radiological threats. Program efforts include core medical efforts aimed at developing and delivering pretreatments/prophylaxes and therapeutics to the warfighter. MCMs in development by the CBDP traditionally fall into one of two categories: 1) pretreatments/prophylaxes such as a plague vaccine and 2) post-exposure, pre/post-symptomatic therapeutics such as the Hemorrhagic Fever Virus therapeutic (for example, Ebola).

## **Diagnostics**

Diagnostic and analytic-related efforts are a centerpiece of the CBDP's comprehensive capability to counter CBR threats and characterize CBR attacks or events by diagnosing causative agents of disease and providing situational awareness of threat agents in the environment. The CBDP has resourced a robust portfolio that includes S&T of CBR diagnostics, systems development and procurement of point-of-need/point-of-care diagnostic equipment, and continuous assay development and procurement to support fielded and developmental diagnostic or analytic platforms.

## **Biosurveillance**

The CBDP is a key contributor to the Department's efforts in support of the *National Biosurveillance Strategy* and its goal "to achieve a **well-integrated national biosurveillance enterprise that saves lives by providing essential information for better decision-making at all levels.**" The CBDP focus and support are aligned with the four enabling capabilities outlined in the National Biosurveillance Strategy. These are: integrate capabilities, build capacity, foster innovation, and strengthen partnerships. Key CBDP efforts include; focusing on the ability to strengthen and integrate capabilities that provide awareness of endemic pathogens in the environment along with warning and characterization of biological attacks or events (analysis and diagnostics) for decision-making; improving the ability to find, track, interdict, and eliminate biological weapons and threats directed against our warfighters and citizens; and enabling the Department's ability to conduct forensics and attribution and to prevent re-attack. The CBDP capabilities in development will provide pre-event (early warning and indications) and post-event (effective consequence management and persistent surveillance for re-emergence) capabilities necessary to improve early warning and characterization of man-made (i.e., genetically engineered/synthetic biological agents) and naturally occurring (i.e., emerging infectious diseases and the re-emergence of pathogens from zoonotic reservoirs) disease outbreaks in near real-time. The CBDP is integrating/leveraging various capabilities being developed in other areas across the DoD, Internationally, and within the Interagency in order to provide an enhanced biosurveillance capability.

## **Non Traditional Agent (NTA) Defense**

The 2010 QDR directed the DoD to increase resources for R&D of countermeasures and defenses to NTAs in concert with interagency partners. DoD efforts supporting NTA defense are a key part of an integrated National effort supporting Research, Development, and Acquisition of defensive capabilities. The CBDP works to:

- Develop technologies that address existing and emerging NTAs in the near-, mid-, and far-term, including the ability to address multiple capability gaps and provide multi-layered and integrated defenses to NTAs
- Strengthen and integrate capabilities that provide warning of attack, barrier protection, and both pretreatments/prophylaxes and post-exposure treatments

- Field faster, more flexible consequence management capabilities on the battlefield and in the homeland
- Develop capabilities, policies, and plans that enable us to act swiftly to save lives and restore the effectiveness of contaminated areas.

## **Summary**

The CBDP continues to effectively meet today’s highest priority needs for DoD CBRN defense solutions while shifting to establish the agility and flexibility necessary to rapidly adapt to the evolving strategic landscape. This ongoing transformation ensures that currently available technologies are produced, procured, and provided swiftly and that cutting-edge technologies are harnessed to provide improved capabilities in the future. The DoD CBDP continued to enhance CBRN readiness to counter known and emerging threats and collaborated with other Government agencies to foster exchange of knowledge and coordination of CB defense-related activities. This budget request supports the CBDP as a Joint Force enabler fulfilling the needs of the Warfighters to ensure that they are trained, equipped, and resourced to complete missions in CBRN environments now and in the future, preserving the security and freedom of our nation.



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Defense-Wide  
FY 2016 President's Budget  
Exhibit P-1 FY 2016 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

08 Jan 2015

Appropriation -----	FY 2014 (Base & OCO) -----	FY 2015 Base Enacted -----	FY 2015 OCO Enacted -----	FY 2015 Total Enacted -----
Procurement, Defense-Wide	269,513	334,129	17,000	351,129
Total Defense-Wide	269,513	334,129	17,000	351,129

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Defense-Wide  
FY 2016 President's Budget  
Exhibit P-1 FY 2016 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

08 Jan 2015

Appropriation -----	FY 2016 Base -----	FY 2016 OCO -----	FY 2016 Total -----
Procurement, Defense-Wide	278,710		278,710
Total Defense-Wide	278,710		278,710

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Defense-Wide  
 FY 2016 President's Budget  
 Exhibit P-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

08 Jan 2015

Organization: Procurement, Defense-Wide	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted
Chemical and Biological Defense Program, CBDP	269,513	334,129	17,000	351,129
Total	269,513	334,129	17,000	351,129

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(Dollars in Thousands)

08 Jan 2015

Organization: Procurement, Defense-Wide -----	FY 2016 Base -----	FY 2016 OCO -----	FY 2016 Total -----
Chemical and Biological Defense Program, CBDP	278,710		278,710
Total	278,710		278,710

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FY 2016 President's Budget  
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(Dollars in Thousands)

08 Jan 2015

Appropriation: Procurement, Defense-Wide

Budget Activity -----	FY 2014 (Base & OCO) -----	FY 2015 Base Enacted -----	FY 2015 OCO Enacted -----	FY 2015 Total Enacted -----
03. Chemical/Biological Defense	269,513	334,129	17,000	351,129
Total Procurement, Defense-Wide	269,513	334,129	17,000	351,129

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Defense-Wide  
FY 2016 President's Budget  
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08 Jan 2015

Appropriation: Procurement, Defense-Wide

Budget Activity -----	FY 2016 Base -----	FY 2016 OCO -----	FY 2016 Total -----
03. Chemical/Biological Defense	278,710		278,710
Total Procurement, Defense-Wide	278,710		278,710

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Defense-Wide  
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 (Dollars in Thousands)

08 Jan 2015

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2014 (Base & OCO)		FY 2015 Base Enacted		FY 2015 OCO Enacted		FY 2015 Total Enacted		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 03: Chemical/Biological Defense											
-----											
CDBP											
69	Installation Force Protection	A		13,866							U
70	Individual Protection	A		101,528							U
71	Joint Bio Defense Program (Medical)	A		2,635							U
72	Collective Protection	A		13,596							U
73	Contamination Avoidance	A		137,888							U
74	Chemical Biological Situational Awareness	A				183,737		10,762		194,499	U
75	CB Protection & Hazard Mitigation	A				150,392		6,238		156,630	U
Total Chemical/Biological Defense				269,513		334,129		17,000		351,129	
Total Procurement, Defense-Wide				269,513		334,129		17,000		351,129	

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Defense-Wide  
 FY 2016 President's Budget  
 Exhibit P-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

08 Jan 2015

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2016 Base		FY 2016 OCO		FY 2016 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 03: Chemical/Biological Defense									
-----									
CDBP									
69	Installation Force Protection	A							U
70	Individual Protection	A							U
71	Joint Bio Defense Program (Medical)	A							U
72	Collective Protection	A							U
73	Contamination Avoidance	A							U
74	Chemical Biological Situational Awareness	A		141,223			141,223		U
75	CB Protection & Hazard Mitigation	A		137,487			137,487		U
Total Chemical/Biological Defense				278,710			278,710		
Total Procurement, Defense-Wide				278,710			278,710		



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Chemical and Biological Defense Program • President's Budget Submission FY 2016 • Procurement

**Line Item Table of Contents (by Appropriation then Line Number)**

***Appropriation 0300D: Procurement, Defense-Wide***

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<b>Line #</b>	<b>BA</b>	<b>BSA</b>	<b>Line Item Number</b>	<b>Line Item Title</b>	<b>Page</b>
69	03	01	JS1000	INSTALLATION FORCE PROTECTION.....	1
70	03	01	GP1000	INDIVIDUAL PROTECTION.....	11
71	03	01	MA0800	JOINT BIO DEFENSE PROGRAM (MEDICAL).....	31
72	03	01	PA1600	COLLECTIVE PROTECTION.....	37
73	03	01	GP2000	CONTAMINATION AVOIDANCE.....	63
74	03	01	SA0001	SITUATIONAL AWARENESS.....	103
75	03	01	PHM001	CB PROTECTION AND HAZARD MITIGATION.....	161

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Chemical and Biological Defense Program • President's Budget Submission FY 2016 • Procurement

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<b>Line Item Title</b>	<b>Line Item Number</b>	<b>Line #</b>	<b>BA</b>	<b>BSA</b>	<b>Page</b>
CB PROTECTION AND HAZARD MITIGATION	PHM001	75	03	01.....	161
COLLECTIVE PROTECTION	PA1600	72	03	01.....	37
CONTAMINATION AVOIDANCE	GP2000	73	03	01.....	63
INDIVIDUAL PROTECTION	GP1000	70	03	01.....	11
INSTALLATION FORCE PROTECTION	JS1000	69	03	01.....	1
JOINT BIO DEFENSE PROGRAM (MEDICAL)	MA0800	71	03	01.....	31
SITUATIONAL AWARENESS	SA0001	74	03	01.....	103

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**Exhibit P-40, Budget Line Item Justification:** PB 2016 Chemical and Biological Defense Program **Date:** February 2015

**Appropriation / Budget Activity / Budget Sub Activity:**  
0300D: Procurement, Defense-Wide / BA 03: Chemical/Biological Defense / BSA 1: CBDP

**P-1 Line Item Number / Title:**  
JS1000 / INSTALLATION FORCE PROTECTION

**ID Code** (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:**

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	225.888	13.866	-	-	-	-	-	-	-	-	-	239.754
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	225.888	13.866	-	-	-	-	-	-	-	-	-	239.754
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	<b>225.888</b>	<b>13.866</b>	-	-	-	-	-	-	-	-	-	<b>239.754</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Beginning in FY 2015, programs in this line item are consolidated into budget line item (BLIN) SA0001 - SITUATIONAL AWARENESS.

This Budget Line (BLIN) supports the acquisition and delivery of (1) an integrated chemical, biological, nuclear and explosive (CBRNE) rapid response capability for the National Guard Bureaus (NGB) Weapons of Mass Destruction - Combat Support Teams (WMD-CST).

The Integrated CBRNE rapid response capability packages are required for NGB's WMD-CST and Special Purpose Units - Chemical Biological Equipment (SPU-CBE) which consists of the CBRNE Enhanced Response Force Package (CERFP), the United States Marine Corps Chemical Biological Incident Response Force (CBIRF), the USAR Chemical Recon Platoons, Decon Platoons and Defense Support of Civil Authority CBRN Response Force (DCRF), and the 20th Support Command Nuclear Disablement (NDT) and CBRNE Teams. The purpose of this program is to address legacy requirements gaps/deficiencies for WMD-CST's and SPU-CBE's where they exist through the streamlined acquisition of COTS/government-off-the-shelf (GOTS) capability upgrades that incorporate proven advancements in technology to satisfy mission performance standards. Chemical, Biological, Radiological, Nuclear (CBRN) and High-Yield Explosive (CBRNE) protection is required for CONUS/OCONUS DoD installation physical structures as well as military personnel and others within the perimeter of the military reservation.

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**Exhibit P-40, Budget Line Item Justification:** PB 2016 Chemical and Biological Defense Program **Date:** February 2015

**Appropriation / Budget Activity / Budget Sub Activity:**  
0300D: Procurement, Defense-Wide / BA 03: Chemical/Biological Defense / BSA 1: CBDP

**P-1 Line Item Number / Title:**  
JS1000 / INSTALLATION FORCE PROTECTION

**ID Code** (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:**

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
JS0004 / WMD - CIVIL SUPPORT TEAMS (WMD CST)	P-5, P-5a, P-21		- / 225.888	- / 13.866	- / -	- / -	- / -	- / -
<b>Total Gross/Weapon System Cost</b>			<b>- / 225.888</b>	<b>- / 13.866</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
JS0004 / WMD - CIVIL SUPPORT TEAMS (WMD CST)	P-5, P-5a, P-21		- / -	- / -	- / -	- / -	- / -	- / 239.754
<b>Total Gross/Weapon System Cost</b>			<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / 239.754</b>

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

**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.

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>										<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1					<b>P-1 Line Item Number / Title:</b> JS1000 / INSTALLATION FORCE PROTECTION					<b>Item Number / Title [DODIC]:</b> JS0004 / WMD - CIVIL SUPPORT TEAMS (WMD CST)			

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :							<b>MDAP/MAIS Code:</b>					
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	225.888	13.866	-	-	-	-	-	-	-	-	-	239.754
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	225.888	13.866	-	-	-	-	-	-	-	-	-	239.754
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>225.888</b>	<b>13.866</b>	-	-	-	-	-	-	-	-	-	<b>239.754</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2014</b>			<b>FY 2015</b>			<b>FY 2016 Base</b>			<b>FY 2016 OCO</b>			<b>FY 2016 Total</b>		
	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)
Hardware Cost																		
Recurring Cost																		
Prior/Future combined efforts	-	-	211.915	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPU CBE Personal Protective Equipment - Class 1 <sup>(f)</sup>	-	-	0.000	0.967	61	0.059	-	-	-	-	-	-	-	-	-	-	-	-
SPU CBE Personal Protective Equipment - Class 2 <sup>(f)</sup>	-	-	0.000	1.722	1,956	3.368	-	-	-	-	-	-	-	-	-	-	-	-
SPU CBE Personal Protective Equipment - Class 3 <sup>(f)</sup>	-	-	0.000	0.556	4,059	2.257	-	-	-	-	-	-	-	-	-	-	-	-
SPU CBE Personal Protective Equipment - HAZMAT Boots <sup>(f)</sup>	0.909	11,000	10.000	0.071	6,227	0.442	-	-	-	-	-	-	-	-	-	-	-	-
SPU CBE Personal Protective Equipment - Filter Canister <sup>(f)</sup>	-	-	2.184	0.048	13,535	0.650	-	-	-	-	-	-	-	-	-	-	-	-
WMD CST Lightweight Inflatable Decontamination System <sup>(f)</sup>	-	-	0.000	110.000	55	6.050	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>													<b>Date:</b> February 2015					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1						<b>P-1 Line Item Number / Title:</b> JS1000 / INSTALLATION FORCE PROTECTION						<b>Item Number / Title [DODIC]:</b> JS0004 / WMD - CIVIL SUPPORT TEAMS (WMD CST)						

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :										<b>MDAP/MAIS Code:</b>							
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Recurring Cost</i>	-	-	224.099	-	-	12.826	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	224.099	-	-	12.826	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support Cost</b>																		
SPU CBE - Government Program Management	-	-	0.690	-	-	0.741	-	-	-	-	-	-	-	-	-	-	-	-
WMD CST - Government Program Management	-	-	1.099	-	-	0.299	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support Cost</i>	-	-	1.789	-	-	1.040	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>225.888</b>	-	-	<b>13.866</b>	-	-	-	-	-	-	-	-	-	-	-	-

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
Prior/Future combined efforts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	211.915
SPU CBE Personal Protective Equipment - Class 1 <sup>(t)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.059
SPU CBE Personal Protective Equipment - Class 2 <sup>(t)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.368
SPU CBE Personal Protective Equipment - Class 3 <sup>(t)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.257
SPU CBE Personal Protective Equipment - HAZMAT Boots <sup>(t)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.442
SPU CBE Personal Protective Equipment - Filter Canister <sup>(t)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.834
WMD CST Lightweight Inflatable Decontamination System <sup>(t)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.050



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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> JS1000 / INSTALLATION FORCE PROTECTION	<b>Item Number / Title [DODIC]:</b> JS0004 / WMD - CIVIL SUPPORT TEAMS (WMD CST)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	236.925
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	236.925
<b>Support Cost</b>																		
SPU CBE - Government Program Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.431
WMD CST - Government Program Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.398
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.829
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	239.754

**Remarks:**

Beginning in FY 2015, the WMD - CIVIL SUPPORT TEAMS (WMD CST) program has been consolidated into CBPD line item (BLIN) SA0001 - SITUATIONAL AWARENESS

This program supports the acquisition and delivery of an integrated chemical, biological, radiological, nuclear and explosive (CBRNE) rapid response capability for National Guard Bureau's (NGB) Weapons of Mass Destruction Civil Support Teams (WMD-CST) and Special Purpose Units - Chemical Biological Equipment (SPU-CBE) which consists of the CBRNE Enhanced Response Force Package (CERFP), the United States Marine Corps Chemical Biological Incident Response Force (CBIRF) the United States Army Reserve (USARC) Chemical Recon Platoons, Decon Platoons, Defense Support of Civil Authority CBRN Response Force (DCRF), and the 20th Support Command Nuclear Disablement (NDT) and CBRNE Teams. Key activities of this program include ongoing life cycle assessments for the portfolio of fielded commercial-off-the-shelf (COTS) CBRNE equipment, identification and evaluation of emerging technologies, prioritization and fielding of improved capabilities to meet established requirements, and the establishment of institutionalized training. The overall capability package includes hand held detection, protection, decontamination, situational awareness software assessment and sampling tools. The purpose of this program is to address legacy requirements gaps/deficiencies for WMD-CST's and SPU-CBE's where they exist through the streamlined acquisition of COTS/government-off-the-shelf (GOTS) capability upgrades that incorporate proven advancements in technology to satisfy mission performance standards.

(t) indicates the presence of a P-5a

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**Exhibit P-5a, Procurement History and Planning: PB 2016 Chemical and Biological Defense Program** **Date:** February 2015

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> JS1000 / INSTALLATION FORCE PROTECTION	<b>Item Number / Title [DODIC]:</b> JS0004 / WMD - CIVIL SUPPORT TEAMS (WMD CST)
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
SPU CBE Personal Protective Equipment - Class 1 <sup>(†)</sup>		2014	General Services Administration / Boston, MA	C / FFP	Boston, MA	May 2014	Aug 2014	61	0.967	Y		
SPU CBE Personal Protective Equipment - Class 2 <sup>(†)</sup>		2014	General Services Administration / Boston, MA	C / FFP	Boston, MA	May 2014	Aug 2014	1,956	1.722	Y		
SPU CBE Personal Protective Equipment - Class 3 <sup>(†)</sup>		2014	General Services Administration / Boston, MA	C / FFP	Boston, MA	May 2014	Aug 2014	4,059	0.556	Y		
SPU CBE Personal Protective Equipment - HAZMAT Boots <sup>(†)</sup>		2013	General Services Administration / Boston, MA	C / FFP	Boston, MA	Feb 2013	Apr 2013	11,000	0.455	Y		
SPU CBE Personal Protective Equipment - HAZMAT Boots <sup>(†)</sup>		2014	General Services Administration / Boston, MA	C / FP	Boston, MA	May 2014 <sup>(1)</sup>	Aug 2014	6,227	0.071	Y		
SPU CBE Personal Protective Equipment - Filter Canister <sup>(†)</sup>		2014	General Services Administration / Boston, MA	C / FP	Boston, MA	May 2014 <sup>(2)</sup>	Aug 2014	13,535	0.048	Y		
WMD CST Lightweight Inflatable Decontamination System <sup>(†)</sup>		2014	General Services Administration / Boston, MA	C / FP	Boston, MA	Jul 2014 <sup>(3)</sup>	Oct 2014	55	110.000	Y		

<sup>(†)</sup> indicates the presence of a P-21

**Footnotes:**

- <sup>(1)</sup> - IDIQ
- <sup>(2)</sup> - IDIQ
- <sup>(3)</sup> - IDIQ





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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> JS1000 / INSTALLATION FORCE PROTECTION	<b>Item Number / Title [DODIC]:</b> JS0004 / WMD - CIVIL SUPPORT TEAMS (WMD CST)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	General Services Administration - Boston, MA	4	2,500	3,000	-	4	7	11	-	4	3	7
2	General Services Administration - Boston, MA	4	2,500	3,000	-	4	7	11	-	4	3	7
3	General Services Administration - Boston, MA	4	2,500	3,000	-	4	7	11	-	4	3	7
4	General Services Administration - Boston, MA	4	2,500	3,000	-	4	7	11	-	4	3	7
5	General Services Administration - Boston, MA	4	2,500	3,000	-	4	7	11	-	4	3	7
6	General Services Administration - Boston, MA	4	2,500	3,000	-	4	7	11	-	4	3	7

(‡) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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**Exhibit P-40, Budget Line Item Justification:** PB 2016 Chemical and Biological Defense Program **Date:** February 2015

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 03: Chemical/Biological Defense / BSA 1: CBDP	<b>P-1 Line Item Number / Title:</b> GP1000 / INDIVIDUAL PROTECTION
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	465.744	101.528	-	-	-	-	-	-	-	-	-	567.272
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	465.744	101.528	-	-	-	-	-	-	-	-	-	567.272
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>465.744</b>	<b>101.528</b>	-	-	-	-	-	-	-	-	-	<b>567.272</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Beginning in FY 2015, programs in this line item are consolidated into budget line item (BLIN) PHM001 - CB PROTECTION AND HAZARD MITIGATION.

This Budget Line (BLIN) provides for protective masks, respiratory systems, and protective clothing. (1) The Uniform Integrated Protection Ensemble (UIPE) is a supplemental CBRN protective system with the capability that enables selection of a tailored material solution based on the expected threat level for any given mission or platform. This ability to tailor the type and level of the protective system will result in optimized protection with minimal burden on the Warfighter and lowest impact on the mission. These expanded options offer protection to the Force across the expanding operational landscape, commensurate with the varying security-challenge environments and specific adversary threats (nature, degree and maturity of that threat) likely to be encountered. (2) The Joint Service General Purpose Mask (JSGPM) is a lightweight, protective Nuclear, Biological and 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. (3) The Joint Service Aircrew Mask (JSAM) system is a lightweight Chemical, Biological, Radiological and Nuclear (CBRN) protective mask consisting of mask, filter, blower, and accessories incorporating state-of-the-art technology to protect U.S. Forces from anticipated threats. The mask is optimized to minimize impact on the wearer's performance, maximize its ability to interface with aircrew protective clothing, and provide improved field of view when compared to current protective masks.

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**Exhibit P-40, Budget Line Item Justification:** PB 2016 Chemical and Biological Defense Program **Date:** February 2015

**Appropriation / Budget Activity / Budget Sub Activity:** 0300D: Procurement, Defense-Wide / BA 03: Chemical/Biological Defense / BSA 1: CBDP **P-1 Line Item Number / Title:** GP1000 / INDIVIDUAL PROTECTION

**ID Code** (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:**

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
MA0401 / CBRN UNIFORM INTEGRATED PROTECTION ENSEMBLE (UIPE)	P-5, P-5a, P-21		- / 10.376	- / 15.772	- / -	- / -	- / -	- / -
J10003 / JOINT SERVICE GENERAL PURPOSE MASK (JSGPM)	P-5, P-5a, P-21		- / 413.890	- / 85.343	- / -	- / -	- / -	- / -
J10002 / JS AIRCREW MASK (JSAM)	P-5	B	- / 41.478	- / 0.413	- / -	- / -	- / -	- / -
<b>Total Gross/Weapon System Cost</b>			<b>- / 465.744</b>	<b>- / 101.528</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
MA0401 / CBRN UNIFORM INTEGRATED PROTECTION ENSEMBLE (UIPE)	P-5, P-5a, P-21		- / -	- / -	- / -	- / -	- / -	- / 26.148
J10003 / JOINT SERVICE GENERAL PURPOSE MASK (JSGPM)	P-5, P-5a, P-21		- / -	- / -	- / -	- / -	- / -	- / 499.233
J10002 / JS AIRCREW MASK (JSAM)	P-5	B	- / -	- / -	- / -	- / -	- / -	- / 41.891
<b>Total Gross/Weapon System Cost</b>			<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / 567.272</b>

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

**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.



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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> GP1000 / INDIVIDUAL PROTECTION	<b>Item Number / Title [DODIC]:</b> MA0401 / CBRN UNIFORM INTEGRATED PROTECTION ENSEMBLE (UIPE)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	10.376	15.772	-	-	-	-	-	-	-	-	-	26.148
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	10.376	15.772	-	-	-	-	-	-	-	-	-	26.148
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>10.376</b>	<b>15.772</b>	-	-	-	-	-	-	-	-	-	<b>26.148</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2014</b>			<b>FY 2015</b>			<b>FY 2016 Base</b>			<b>FY 2016 OCO</b>			<b>FY 2016 Total</b>		
	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
UIPE 1 Protective Garment <sup>(1)</sup>	0.515	14,552	7.500	0.497	20,072	9.977	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	7.500	-	-	9.977	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	7.500	-	-	9.977	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support Cost</b>																		
Production Lot Testing	-	-	0.437	-	-	0.195	-	-	-	-	-	-	-	-	-	-	-	-
Program Management	-	-	1.582	-	-	2.350	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Support	-	-	0.857	-	-	1.250	-	-	-	-	-	-	-	-	-	-	-	-
Operational Performance Testing	-	-	0.000	-	-	2.000	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support Cost</i>	-	-	2.876	-	-	5.795	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>10.376</b>	-	-	<b>15.772</b>	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> GP1000 / INDIVIDUAL PROTECTION	<b>Item Number / Title [DODIC]:</b> MA0401 / CBRN UNIFORM INTEGRATED PROTECTION ENSEMBLE (UIPE)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost			
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	
Hardware Cost																			
Recurring Cost																			
UIPE 1 Protective Garment <sup>(1)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.477
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.477
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.477
Support Cost																			
Production Lot Testing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.632
Program Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.932
Engineering Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.107
Operational Performance Testing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.000
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.671
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>26.148</b>

**Remarks:**

Beginning in FY 2015, the CBRN UNIFORM INTEGRATED PROTECTION ENSEMBLE (UIPE) program has been consolidated into CBDP line item (BLIN) PHM001 - CB PROTECTION AND HAZARD MITIGATION

The Uniform Integrated Protection Ensemble (UIPE) is a Chemical, Biological, Radiological, Nuclear (CBRN) protective system offering the capability to select a tailored material solution based on the expected threat level commensurate with operational mission requirements. Where appropriate, a family of systems approach that meets the scope of UIPE individual protection capability needs will be utilized. The objective of UIPE is to fully integrate CBRN and toxic industrial material (TIM) protections into an ensemble, identical in fit and form to the combat uniform (including mask - helmet integration and protective boots and gloves), thus negating the need for separate protective ensemble components. This integrated protection approach will result in increased warfighter operational performance in a CBRN environment. The UIPE program will develop, integrate, test, procure and field incremental capability solutions that are modular in function and offer improvements in form and fit over current systems; the program will explore trade-space in areas such as protection level, heat stress, durability, antimicrobial properties, flame resistance, launderability, self-detoxification, and protection time in order to provide capabilities that afford maximum utility to the warfighter. Where appropriate modeling and simulation tools will be used to lower UIPE program risks, reduce costs, and ensure a high confidence in selected technologies. UIPE is aimed specifically at providing enhanced individual protection capabilities to the warfighter through reduction of physiological and psychological effects associated with CBRN protective garment thermal burden, weight, and bulk. The UIPE program will consider modernization in order to ensure that the warfighter retains access to state of the art capability to support future operational mission requirements.

The UIPE Increment 1 (UIPE 1) protective system offers the capability to select a tailored material solution based on the expected threat level commensurate with operational mission requirements. This ability to tailor the type and level of the protective system will result in optimized protection, thereby minimizing physiological and psychological burdens associated with the weight, bulk, thermal strain, and encumbrance of wearing CBRN protective equipment on the Warfighter and affording the lowest impact on the operational mission. UIPE 1 will be designed to permit efficient communications, be compatible with current and developmental CBRN protective component systems, and retain CBRN protection capability after exposure to petroleum, oils, lubricants, and other environmental contaminants. UIPE 1 may include hooded and non-hooded variants and will be compatible with current clothing and equipment, including load-bearing equipment, helmets, headwear, footwear, body cooling systems, and protective masks of the respective Service and Special Operational Forces.

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<b>Exhibit P-5, Cost Analysis:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> GP1000 / INDIVIDUAL PROTECTION	<b>Item Number / Title [DODIC]:</b> MA0401 / CBRN UNIFORM INTEGRATED PROTECTION ENSEMBLE (UIPE)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :		<b>MDAP/MAIS Code:</b>
<p>Justification:</p> <p>RDT&amp;E Code B Item: 0603884BP/Proj IP4; 0604384BP/Proj IP5</p> <p>IP4/UIPE: RDT&amp;E ; FY15 - 2.852M; FY16 - 4.217M; FY17 - 0.400M            IP5/UIPE: RDT&amp;E FY14 and Prior - 6.751M; FY17 - 3.835M; FY18 - 4.197M; FY19 - 6.329M; FY20 - 1.799M; FY21 - 4.459M</p> <p>DEVELOPMENT/TEST STATUS AND MAJOR MILESTONES</p> <p>UIPE - Integrated DT/OT (Mar 2012 to Dec 2012)            UIPE - Milestone C / LRIP: Jun 2013            UIPE - Approved CPD: Jul 2013            UIPE - Operational Test &amp; Evaluation (Sep 2013 to Dec 2013)            UIPE - Full Rate Production: Jan 2014            UIPE - SOCOM IOC: Mar 2016</p> <p>(t) indicates the presence of a P-5a</p>		

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2016 Chemical and Biological Defense Program							<b>Date:</b> February 2015					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1			<b>P-1 Line Item Number / Title:</b> GP1000 / INDIVIDUAL PROTECTION				<b>Item Number / Title [DODIC]:</b> MA0401 / CBRN UNIFORM INTEGRATED PROTECTION ENSEMBLE (UIPE)					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
UIPE 1 Protective Garment <sup>(†)</sup>		2013	Tennessee Apparel Corporation / Tullahoma, TN	C / FFP	RDECOM, Natick, MA	Jul 2013	Feb 2014	14,552	0.515	Y		Feb 2011
UIPE 1 Protective Garment <sup>(†)</sup>		2014	Tennessee Apparel Corporation / Tullahoma, TN	C / FFP	RDECOM, Natick, MA	Mar 2014 <sup>(1)</sup>	Jan 2015	20,072	0.497	Y	Feb 2011	

<sup>(†)</sup> indicates the presence of a P-21

**Footnotes:**

<sup>(1)</sup> Opt 1

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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1		<b>P-1 Line Item Number / Title:</b> GP1000 / INDIVIDUAL PROTECTION
		<b>Item Number / Title [DODIC]:</b> MA0401 / CBRN UNIFORM INTEGRATED PROTECTION ENSEMBLE (UIPE)

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2013												Fiscal Year 2014												
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2012	BAL DUE AS OF 1 OCT	Calendar Year 2013												Calendar Year 2014											
							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
UIPE 1 Protective Garment																														
	1	2013	CBDP	14.552	-	14.552																								
Secondary Distribution			SOCOM	14.552	-	14.552																								
	1	2014	CBDP	20.072	-	20.072																								
Secondary Distribution			SOCOM	20.072	-	20.072																								

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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1		<b>P-1 Line Item Number / Title:</b> GP1000 / INDIVIDUAL PROTECTION
		<b>Item Number / Title [DODIC]:</b> MA0401 / CBRN UNIFORM INTEGRATED PROTECTION ENSEMBLE (UIPE)

Cost Elements <i>(Units in Thousands)</i>				Fiscal Year 2015														Fiscal Year 2016																	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 4	BAL D U E A S O F 1 O C T	Calendar Year 2015														Calendar Year 2016														B A L
							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					
UIPE 1 Protective Garment																																			
	1	2013	CBDP	14.552	8.863	5.689	1.813	1.813	2.063																				-						
Secondary Distribution			SOCOM				1.813	1.813	2.063																				-						
	1	2014	CBDP	20.072	-	20.072	-	-	-	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.072										-						
Secondary Distribution			SOCOM				-	-	-	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.072											-						
							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	B A L				

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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1		<b>P-1 Line Item Number / Title:</b> GP1000 / INDIVIDUAL PROTECTION
		<b>Item Number / Title [DODIC]:</b> MA0401 / CBRN UNIFORM INTEGRATED PROTECTION ENSEMBLE (UIPE)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Tennessee Apparel Corporation - Tullahoma, TN	1,700	3,000	5,000	-	9	7	16	-	3	3	6

(‡) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>										<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1					<b>P-1 Line Item Number / Title:</b> GP1000 / INDIVIDUAL PROTECTION					<b>Item Number / Title [DODIC]:</b> JI0003 / JOINT SERVICE GENERAL PURPOSE MASK (JSGPM)			

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :							<b>MDAP/MAIS Code:</b>					
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	413.890	85.343	-	-	-	-	-	-	-	-	-	499.233
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	413.890	85.343	-	-	-	-	-	-	-	-	-	499.233
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>413.890</b>	<b>85.343</b>	-	-	-	-	-	-	-	-	-	<b>499.233</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2014</b>			<b>FY 2015</b>			<b>FY 2016 Base</b>			<b>FY 2016 OCO</b>			<b>FY 2016 Total</b>		
	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
Prior/Future combined efforts	-	-	222.684	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JSGPM - SOCOM (M53) <sup>(†)</sup>	0.817	2,949	2.410	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JSGPM - Ground/Ship (M50) <sup>(†)</sup>	1.159	102,776	119.121	0.259	230,226	59.564	-	-	-	-	-	-	-	-	-	-	-	-
JSGPM - Combat Vehicle (M51) <sup>(†)</sup>	-	-	6.516	0.397	24,750	9.832	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	350.731	-	-	69.396	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	350.731	-	-	69.396	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support Cost</b>																		
Engineering Support	-	-	12.086	-	-	1.413	-	-	-	-	-	-	-	-	-	-	-	-
System Fielding Support (Total Package Fielding (TPF), First Destination Transportation (FDT) & N...	-	-	8.449	-	-	1.537	-	-	-	-	-	-	-	-	-	-	-	-
Initial Spares	-	-	21.755	-	-	10.073	-	-	-	-	-	-	-	-	-	-	-	-
Gov't Program Management	-	-	16.597	-	-	2.324	-	-	-	-	-	-	-	-	-	-	-	-



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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> GP1000 / INDIVIDUAL PROTECTION	<b>Item Number / Title [DODIC]:</b> JI0003 / JOINT SERVICE GENERAL PURPOSE MASK (JSGPM)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Production Acceptance Test	-	-	4.272	-	-	0.600	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support Cost</i>	-	-	63.159	-	-	15.947	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>413.890</b>	-	-	<b>85.343</b>	-	-	-	-	-	-	-	-	-	-	-	-

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
Prior/Future combined efforts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	222.684
JSGPM - SOCOM (M53) <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.410
JSGPM - Ground/Ship (M50) <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	178.685
JSGPM - Combat Vehicle (M51) <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.348
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420.127
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420.127
<b>Support Cost</b>																		
Engineering Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.499
System Fielding Support (Total Package Fielding (TPF), First Destination Transportation (FDT) & N...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.986
Initial Spares	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31.828
Gov't Program Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.921
Production Acceptance Test	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.872
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	79.106
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>499.233</b>

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<b>Exhibit P-5, Cost Analysis:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> GP1000 / INDIVIDUAL PROTECTION	<b>Item Number / Title [DODIC]:</b> JI0003 / JOINT SERVICE GENERAL PURPOSE MASK (JSGPM)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :		<b>MDAP/MAIS Code:</b>
<p><b>Remarks:</b> Beginning in FY 2015, the JOINT SERVICE GENERAL PURPOSE MASK (JSGPM) program has been consolidated into CDBP line item (BLIN) PHM001 - CB PROTECTION AND HAZARD MITIGATION</p> <p>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 U.S. Joint Forces from anticipated threats. The JSGPM provides above-the-neck, head/eye/respiratory protection against Chemical and Biological (CB) agents, radioactive particles, and Toxic Industrial Materials (TIMs). The mask design is 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 replaces 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 replaces the M45 mask in the Land Warrior program. This can significantly reduce the number of masks that will have to be logistically supported by the Department of Defense. The M50 is the ground/ship version of the JSGPM. The M51 is the combat vehicle crewman version of the JSGPM. The M53 is the special operation version of the JSGPM.</p> <p>(t) indicates the presence of a P-5a</p>		

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2016 Chemical and Biological Defense Program							<b>Date:</b> February 2015					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1			<b>P-1 Line Item Number / Title:</b> GP1000 / INDIVIDUAL PROTECTION				<b>Item Number / Title [DODIC]:</b> JI0003 / JOINT SERVICE GENERAL PURPOSE MASK (JSGPM)					
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$ K)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
JSGPM - SOCOM (M53) <sup>(†)</sup>		2013	AVON Protection Systems Inc. / Cadillac, MI	Reqn	TACOM, MMC, Warren, MI	Jul 2013	Dec 2013	2,949	0.817	Y		
JSGPM - Ground/Ship (M50) <sup>(†)</sup>		2013	AVON Protection Systems Inc. / Cadillac, MI	C / FPIF	RDECOM, APG, MD	Jan 2013 <sup>(2)</sup>	Apr 2013	102,776	0.308	Y		
JSGPM - Ground/Ship (M50) <sup>(†)</sup>		2014	AVON Protection Systems Inc. / Cadillac, MI	C / FPIF	RDECOM, APG, MD	Jan 2014 <sup>(3)</sup>	Mar 2014	230,226	0.259	Y		
JSGPM - Combat Vehicle (M51) <sup>(†)</sup>		2014	AVON Protection Systems Inc. / Cadillac, MI	C / FPIF	RDECOM, APG, MD	Jul 2014 <sup>(4)</sup>	Jan 2015	24,750	0.397	Y		

<sup>(†)</sup> indicates the presence of a P-21

**Footnotes:**

- <sup>(2)</sup> Opt 3
- <sup>(3)</sup> Opt 4
- <sup>(4)</sup> Opt 4



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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program																		<b>Date:</b> February 2015													
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1										<b>P-1 Line Item Number / Title:</b> GP1000 / INDIVIDUAL PROTECTION										<b>Item Number / Title [DODIC]:</b> JI0003 / JOINT SERVICE GENERAL PURPOSE MASK (JSGPM)											

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2015														Fiscal Year 2016																												
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015														Calendar Year 2016																										
							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	B A L																
JSGPM - SOCOM (M53)																																															
	1	2013	CBDP	2.949	2.949	-																													-												
Secondary Distribution			SOCOM	2.949	2.949	-																													-												
JSGPM - Ground/Ship (M50)																																															
	2	2013	CBDP	102.776	102.776	-																													-												
Secondary Distribution			ARMY	102.776	102.776	-																													-												
	2	2014	CBDP	230.226	134.295	95.931	19.185	19.185	19.185	19.185	19.191																													-							
Secondary Distribution			ARMY	230.226	134.295	95.931	19.185	19.185	19.185	19.185	19.191																													-							
JSGPM - Combat Vehicle (M51)																																															
	3	2014	CBDP	24.750	-	24.750	-	-	-	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.068															-
Secondary Distribution			ARMY	24.750	-	24.750	-	-	-	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.062	2.068															-
							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	B A L																

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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> GP1000 / INDIVIDUAL PROTECTION	<b>Item Number / Title [DODIC]:</b> JI0003 / JOINT SERVICE GENERAL PURPOSE MASK (JSGPM)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	AVON Protection Systems Inc. - Cadillac, MI	500	1,000	1,000	-	3	10	13	-	3	5	8
2	AVON Protection Systems Inc. - Cadillac, MI	8,333	17,000	21,554	-	3	10	13	-	2	3	5
3	AVON Protection Systems Inc. - Cadillac, MI	500	1,000	2,100	-	4	2	6	-	2	3	5

(†) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>										<b>Date:</b> February 2015		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1					<b>P-1 Line Item Number / Title:</b> GP1000 / INDIVIDUAL PROTECTION					<b>Item Number / Title [DODIC]:</b> JI0002 / JS AIRCREW MASK (JSAM)		

**ID Code** (A=Service Ready, B=Not Service Ready) : B **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	41.478	0.413	-	-	-	-	-	-	-	-	-	41.891
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	41.478	0.413	-	-	-	-	-	-	-	-	-	41.891
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>41.478</b>	<b>0.413</b>	-	-	-	-	-	-	-	-	-	<b>41.891</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Support Cost																		
Prior/Future combined efforts	-	-	41.478	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JSAM RW MPU-5 - Program Management	-	-	0.000	-	-	0.413	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support Cost</i>	-	-	<i>41.478</i>	-	-	<i>0.413</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>41.478</b>	-	-	<b>0.413</b>	-	-	-	-	-	-	-	-	-	-	-	-

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Support Cost																		
Prior/Future combined efforts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41.478
JSAM RW MPU-5 - Program Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.413
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<i>41.891</i>
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>41.891</b>

Remarks:

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> GP1000 / INDIVIDUAL PROTECTION	<b>Item Number / Title [DODIC]:</b> JI0002 / JS AIRCREW MASK (JSAM)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B		<b>MDAP/MAIS Code:</b>
Beginning in FY 2015, the JS AIRCREW MASK (JSAM) program has been consolidated into CBDP line item (BLIN) PHM001 - CB PROTECTION AND HAZARD MITIGATION		
<p>The Joint Service Aircrew Mask (JSAM) system is a lightweight Chemical, Biological, Radiological and Nuclear (CBRN) protective mask consisting of mask, filter, blower, and accessories incorporating state-of-the-art technology to protect U.S. Forces from anticipated threats. The JSAM systems will be developed to support multiple aircraft platforms which will integrate with aircraft subsystems: Aircrew Life Support Equipment (ALSE), seating, portable aircrew systems, restraint systems, night vision goggles (NVGs), and communications systems. The mask is optimized to minimize impact on the wearer's performance, maximize its ability to interface with aircrew protective clothing, and provide improved field of view when compared to current protective masks.</p> <p>The JSAM Rotary Wing (RW) Mask Protective Unit 5 (MPU-5(V)/P) will provide head, eye, respiratory, and CB protection and "don in flight" capability for general purpose, rotary wing aircrew in all four Services and the US Coast Guard.</p> <p>The JSAM Apache (MPU-6(V)/P) aircrew mask provides head, eye, respiratory and Chemical-Biological (CB) protection for U.S. Army AH-64A/D Apache aircrew as part of the JSAM Family of Systems. JSAM MPU-6(V)/P replaces the legacy M-43 and M-48. It is compatible with the Joint Protective Aircrew Ensemble (JPACE) and the Apache Integrated Helmet and Display Sighting System (IHADSS). It provides flame and thermal protection, and reduces heat stress imposed by existing CB protective masks. The system is capable of being donned and doffed while in flight.</p> <p>The JSAM for Tactical Aircraft (JSAM TA) will provide CB pressure breathing for altitude and anti-G protection. The JSAM for Strategic Aircraft (JSAM SA) will provide CB protection for aircrew positions that only need pressure breathing for altitude. Both the JSAM TA and JSAM SA will provide flame resistance, JSAM TA will provide demist/emergency demist.</p>		
Justification:		
RDT&E Code B Item: 0604384BP/Proj IP5		
DEVELOPMENT/TEST STATUS AND MAJOR MILESTONES		
<p>JSAM FW - JSAM TA - AP22P(A) ECP Integration (Apr 2013 to Sep 2015)          JSAM FW - JSAM TA - AP22P(A) Safe to Fly Certification (Jun 2014 to Sep 2015)          JSAM FW - JSAM TA - AP22P(A) USAF Variant Purchase: Oct 2014          JSAM RW - USA/USAF Airworthiness Testing (Oct 2012 to Sep 2015)          JSAM RW - USN/USMC Airworthiness Testing (Oct 2012 to Sep 2016)          JSAM RW - MS C/ Low Rate Initial Production (LRIP) (Dec 2014 to Sep 2017)          JSAM RW - Multi Service Operational Test and Evaluation (MOT&amp;E) USA/USAF (Feb 2015 to May 2015)          JSAM RW - Multi Service Operational Test and Evaluation (MOT&amp;E) USN/USMC (Oct 2015 to Mar 2017)          JSAM RW - USA IOC: Dec 2016          JSAM RW - USAF IOC: Jul 2016          JSAM RW - USN/USMC IOC: Sep 2018          JSAM RW - Full Rate Production (FRP) (Sep 2017 to Jan 2024)          JSAM RW - USAF FOC: Sep 2016          JSAM RW - USA/USN/USMC FOC: Jan 2024          JSAM SA - MS C / Low Rate Initial Production (Jul 2016 to Jun 2019)          JSAM SA - Operational Testing (Sep 2016 to Mar 2017)          JSAM SA - LRIP 1 (Sep 2016 to Mar 2017)          JSAM SA - LRIP 2 (Sep 2017 to Dec 2017)          JSAM SA - LRIP 3 (Jun 2018 to Sep 2018)          JSAM SA - LRIP 4 (Mar 2019 to Jun 2019)</p>		



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<b>Exhibit P-5, Cost Analysis:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> GP1000 / INDIVIDUAL PROTECTION	<b>Item Number / Title [DODIC]:</b> JI0002 / JS AIRCREW MASK (JSAM)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B		<b>MDAP/MAIS Code:</b>
<p>JSAM SA - MS C / Full Rate Production (Jun 2019 to Jun 2022)                  JSAM TA - Full and Open Comparative Gate Testing (Jun 2015 to Mar 2016)                  JSAM TA - Aircraft Platform Integration/Operational Testing (Mar 2016 to Jun 2019)                  JSAM TA - Full Operational Capability: Mar 2022                  JSAM TA - MS C - Low Rate Initial Production (LRIP) (Jan 2016 to Jun 2019)                  JSAM TA - Initial Operational Capability: Sep 2018                  JSAM TA - Full Rate Production (FRP) (Jun 2019 to Sep 2022)</p>		

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**Exhibit P-40, Budget Line Item Justification:** PB 2016 Chemical and Biological Defense Program **Date:** February 2015

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 03: Chemical/Biological Defense / BSA 1: CBDP	<b>P-1 Line Item Number / Title:</b> MA0800 / JOINT BIO DEFENSE PROGRAM (MEDICAL)
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	2.635	-	-	-	-	-	-	-	-	-	2.635
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	0.000	2.635	-	-	-	-	-	-	-	-	-	2.635
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>0.000</b>	<b>2.635</b>	-	-	-	-	-	-	-	-	-	<b>2.635</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Beginning in FY 2015, medical countermeasure related programs in this line item are consolidated into budget line item (BLIN) PHM001 - CB PROTECTION AND HAZARD MITIGATION and biosurveillance/ diagnostics related programs in this line item are consolidated into budget line item (BLIN) SA0001 - SITUATIONAL AWARENESS.

This Budget Line (BLIN) provides for the following: (1) the Advanced Anticonvulsant System (AAS) consists of the drug midazolam in an auto-injector to be used as treatment for nerve agent induced seizures and will be a replacement for the currently fielded Convulsant Antidote for Nerve Agent (CANA) auto-injector, which uses diazepam. (2) the Next Generation Diagnostic System (NGDS) program is a DoD effort to develop and field a common medical test equipment and diagnostic platform among all Military Services. A multi-incremental configuration, evolutionary development and fielding approach is proposed which will provide expanded capability for an early warning tool of health threats, early detection of health events, and overall situational awareness. NGDS will identify both BW agents and pathogens of operational concern (Increment 1). (3) the DoD Biological Vaccines Procurement 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. (4) the Critical Reagents Program (CRP) integrates and consolidates all DoD reagents/antibodies/DNA biological detection requirements. (5) Biosurveillance (BSV) requirements address medical and physical CBRN mission needs for the Joint Biosurveillance Common Framework (JBCF), which will provide a single enterprise environment that supports collaboration, data sharing and coordination between multiple BSV stakeholders.

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**Exhibit P-40, Budget Line Item Justification:** PB 2016 Chemical and Biological Defense Program **Date:** February 2015

**Appropriation / Budget Activity / Budget Sub Activity:**  
0300D: Procurement, Defense-Wide / BA 03: Chemical/Biological Defense / BSA 1: CBDP

**P-1 Line Item Number / Title:**  
MA0800 / JOINT BIO DEFENSE PROGRAM (MEDICAL)

**ID Code** (A=Service Ready, B=Not Service Ready) : B **Program Elements for Code B Items:** **Other Related Program Elements:**

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
JX0300 / BIOSURVEILLANCE (BSV)	P-5		- / -	- / 2.450	- / -	- / -	- / -	- / -
JX0005 / DOD BIOLOGICAL VACCINE PROCUREMENT (VACCINES)	P-5	B	- / -	- / 0.185	- / -	- / -	- / -	- / -
<b>Total Gross/Weapon System Cost</b>			<b>- / 0.000</b>	<b>- / 2.635</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

**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 through 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.

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**Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program** **Date:** February 2015

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> MA0800 / JOINT BIO DEFENSE PROGRAM (MEDICAL)	<b>Item Number / Title [DODIC]:</b> JX0300 / BIOSURVEILLANCE (BSV)
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	2.450	-	-	-	-
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	2.450	-	-	-	-
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	-	<b>2.450</b>	-	-	-	-

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Support Cost																		
Purchase BICS Commercial Off the Shelf	-	-	-	-	-	2.450	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support Cost</i>	-	-	-	-	-	2.450	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	<b>2.450</b>	-	-	-	-	-	-	-	-	-	-	-	-

**Remarks:**

Biosurveillance (BSV) will support the Joint United States Forces Korea (USFK) Portal and Integrated Threat Recognition (JUPITR) Advanced Technology Demonstration (ATD) which will find, demonstrate, transition, and transfer the best operational concepts and technology solutions in support of a holistic approach to countering biological threats from laboratory to operational use. Depending on the maturity, outputs will focus on providing component, CONOPS, augmentation of existing identification capabilities and subsystem transition into programs of record (PORs) and/or integration into existing PORs. The JUPITR ATD will use a four leg approach to demonstrate equipment, information systems, and processed that address the capability gaps and provide risk reduction for follow-on acquisition efforts.

**Justification:**

RDT&E Code B Item: 0603884BP/Proj MB4; 0604384BP/Proj MB5; 0607384BP/Proj MB7

MB4/BSV: RDT&E FY14 and Prior - 68.577M; FY15 - 22.744M

MB5/BSV: RDT&E FY14 and Prior - 9.114M

MB7/BSV: RDT&E

**DEVELOPMENT/TEST STATUS AND MAJOR MILESTONES**

BSV - Competitive Prototyping Contract Award: Mar 2013

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<b>Exhibit P-5, Cost Analysis:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> MA0800 / JOINT BIO DEFENSE PROGRAM (MEDICAL)	<b>Item Number / Title [DODIC]:</b> JX0300 / BIOSURVEILLANCE (BSV)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : BSV - JUPITR ATD (Dec 2013 to Sep 2017) BSV - MDA IPR: Aug 2013 BSV - MS C - ATD Portal: Jun 2017		<b>MDAP/MAIS Code:</b>

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> MA0800 / JOINT BIO DEFENSE PROGRAM (MEDICAL)	<b>Item Number / Title [DODIC]:</b> JX0005 / DOD BIOLOGICAL VACCINE PROCUREMENT (VACCINES)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	0.185	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	0.185	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	-	<b>0.185</b>	-	-	-	-

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2014</b>			<b>FY 2015</b>			<b>FY 2016 Base</b>			<b>FY 2016 OCO</b>			<b>FY 2016 Total</b>		
	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>
Package Fielding Cost																		
Recurring Cost																		
Vaccinia Immune Globulin-Support Costs	-	-	-	-	-	0.185	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	0.185	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Package Fielding Cost</i>	-	-	-	-	-	0.185	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	<b>0.185</b>	-	-	-	-	-	-	-	-	-	-	-	-

**Remarks:**

Beginning in FY 2015, the DOD BIOLOGICAL VACCINE PROCUREMENT (VACCINES) program has been consolidated into CDBP line item (BLIN) PHM001 - CB PROTECTION AND HAZARD MITIGATION

The biological vaccine procurement program is critical for national defense. These products directly support the Secretary of Defense program to maintain a DoD capability to acquire and stockpile adequate quantities of all Biological Warfare (BW) vaccines to protect the programmed force against validated BW agents. Items currently in the stockpile 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, equipment validation, process change management, documentation control, and all FDA license maintenance and post-approval commitments (Phase 4 clinical trials). The annual vaccination program for the Services is funded by the Defense Health Program.

**Justification:**

RDT&E Code B Item: 0603884BP/Proj MB4; 0604384BP/Proj MB5

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<b>Exhibit P-5, Cost Analysis:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> MA0800 / JOINT BIO DEFENSE PROGRAM (MEDICAL)	<b>Item Number / Title [DODIC]:</b> JX0005 / DOD BIOLOGICAL VACCINE PROCUREMENT (VACCINES)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>MDAP/MAIS Code:</b>	
<p>MB4/VAC BOT: RDT&amp;E FY14 and Prior - 106.426M; FY21 - 14.084M          MB4/VACCINES: RDT&amp;E FY14 and Prior - 59.662M          MB5/VAC BOT: RDT&amp;E FY14 and Prior - 236.825M; FY15 - 52.562M; FY16 - 16.774M; FY17 - 13.607M; FY18 - 37.625M; FY19 - 49.633M; FY20 - 46.732M          MB5/VAC PLG: RDT&amp;E FY14 and Prior - 313.677M; FY15 - 36.214M; FY16 - 17.498M; FY17 - 47.298M; FY18 - 43.739M; FY19 - 10.324M; FY20 - 9.659M          MB5/VACCINES: RDT&amp;E FY14 and Prior - 74.717M</p>		



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**Exhibit P-40, Budget Line Item Justification:** PB 2016 Chemical and Biological Defense Program **Date:** February 2015

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 03: Chemical/Biological Defense / BSA 1: CBDP	<b>P-1 Line Item Number / Title:</b> PA1600 / COLLECTIVE PROTECTION
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ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:					Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	489.708	13.596	-	-	-	-	-	-	-	-	-	503.304
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	489.708	13.596	-	-	-	-	-	-	-	-	-	503.304
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	<b>489.708</b>	<b>13.596</b>	-	-	-	-	-	-	-	-	-	<b>503.304</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Beginning in FY 2015, programs in this line item are consolidated into budget line item (BLIN) PHM001 - CB PROTECTION AND HAZARD MITIGATION.

This Budget Line (BLIN) provides life-sustaining and continued operational capabilities to the Warfighter and their equipment in support of military missions and operations as a seamless, integrated sub-system to all manner of platform, which utilizes state-of-the-art chemical, biological, radiological and nuclear (CBRN) protective technologies. 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. (1) The Collective Protection System (CPS) Backfit Program installs CPS in mission critical medical and command and control spaces on the Navy's Landing Helicopter Dock (LHD) amphibious ship class. (2) 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. (3) The Joint Expeditionary Collective Protection (JECF) provides the joint expeditionary forces a collective protection (CP) capability which is lightweight, compact, modular, and affordable. The JECF family of systems allows the application of CP to transportable soft-sided shelters, enclosed spaces of opportunity, and in remote austere locations as a standalone resource. JECF will be capable of protecting personnel groups of varying size, unencumbered by individual protective equipment (IPE), from effects of chemical and biological (CB) agents, toxic industrial materials (TIMs), radiological (R) particles, heat, dust, and sand. (4) 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.

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**Exhibit P-40, Budget Line Item Justification:** PB 2016 Chemical and Biological Defense Program **Date:** February 2015

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 03: Chemical/Biological Defense / BSA 1: CBDP	<b>P-1 Line Item Number / Title:</b> PA1600 / COLLECTIVE PROTECTION
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
R12301 / CB PROTECTIVE SHELTER (CBPS)	P-5, P-5a, P-21		- / 297.581	- / 5.385	- / -	- / -	- / -	- / -
JN0014 / Collective Protection System Amphibious Backfit (Force Protection)	P-3a		- / 154.679	- / 3.355	- / -	- / -	- / -	- / -
JP0911 / CP FIELD HOSPITALS (CPFH)	P-5, P-5a, P-21		- / 37.448	- / 0.856	- / -	- / -	- / -	- / -
JP1111 / JOINT EXPEDITIONARY COLLECTIVE PROTECTION (JECP)	P-5, P-5a, P-21		- / 0.000	- / 4.000	- / -	- / -	- / -	- / -
<b>Total Gross/Weapon System Cost</b>			<b>- / 489.708</b>	<b>- / 13.596</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
R12301 / CB PROTECTIVE SHELTER (CBPS)	P-5, P-5a, P-21		- / -	- / -	- / -	- / -	- / -	- / 302.966
JN0014 / Collective Protection System Amphibious Backfit (Force Protection)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 158.034
JP0911 / CP FIELD HOSPITALS (CPFH)	P-5, P-5a, P-21		- / -	- / -	- / -	- / -	- / -	- / 38.304
JP1111 / JOINT EXPEDITIONARY COLLECTIVE PROTECTION (JECP)	P-5, P-5a, P-21		- / -	- / -	- / -	- / -	- / -	- / 4.000
<b>Total Gross/Weapon System Cost</b>			<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / 503.304</b>

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

**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.

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> PA1600 / COLLECTIVE PROTECTION	<b>Item Number / Title [DODIC]:</b> R12301 / CB PROTECTIVE SHELTER (CBPS)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	297.581	5.385	-	-	-	-	-	-	-	-	-	302.966
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	297.581	5.385	-	-	-	-	-	-	-	-	-	302.966
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>297.581</b>	<b>5.385</b>	-	-	-	-	-	-	-	-	-	<b>302.966</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Hardware Cost</b>																		
Recurring Cost																		
Prior/Future combined efforts	-	-	250.742	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CBPS UP-ARMORED <sup>(†)</sup>	289.889	36	10.436	1,038.000	2	2.076	-	-	-	-	-	-	-	-	-	-	-	-
Government Furnished Material	-	-	0.000	-	-	0.219	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>261.178</i>	-	-	<i>2.295</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	<i>261.178</i>	-	-	<i>2.295</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support Cost</b>																		
Care of Supplies in Storage	-	-	0.000	-	-	1.200	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Support	-	-	19.018	-	-	0.122	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Logistics Support	-	-	4.976	-	-	0.671	-	-	-	-	-	-	-	-	-	-	-	-
Management Support	-	-	2.651	-	-	1.022	-	-	-	-	-	-	-	-	-	-	-	-
Total Package Fielding (spares)	-	-	9.758	-	-	0.075	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support Cost</i>	-	-	<i>36.403</i>	-	-	<i>3.090</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>297.581</b>	-	-	<b>5.385</b>	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>													<b>Date:</b> February 2015					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1						<b>P-1 Line Item Number / Title:</b> PA1600 / COLLECTIVE PROTECTION						<b>Item Number / Title [DODIC]:</b> R12301 / CB PROTECTIVE SHELTER (CBPS)						

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :										<b>MDAP/MAIS Code:</b>							
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Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost			
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	
Hardware Cost																			
Recurring Cost																			
Prior/Future combined efforts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	250.742
CBPS UP-ARMORED <sup>(t)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.512
Government Furnished Material	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.219
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	263.473
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	263.473
Support Cost																			
Care of Supplies in Storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.200
Engineering Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.140
Integrated Logistics Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.647
Management Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.673
Total Package Fielding (spares)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.833
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.493
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>302.966</b>

**Remarks:**  
Beginning in FY 2015, the CB PROTECTIVE SHELTER (CBPS) program has been consolidated into CBDP line item (BLIN) PHM001 - CB PROTECTION AND HAZARD MITIGATION

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 and 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 and biological protective clothing. The system is capable of operating continuously for 72 hours providing a contamination free environmentally controlled working area.

<sup>(t)</sup> indicates the presence of a P-5a

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2016 Chemical and Biological Defense Program							<b>Date:</b> February 2015					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1			<b>P-1 Line Item Number / Title:</b> PA1600 / COLLECTIVE PROTECTION				<b>Item Number / Title [DODIC]:</b> R12301 / CB PROTECTIVE SHELTER (CBPS)					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
CBPS UP-ARMORED <sup>(†)</sup>		2009	Smiths Detection / Edgewood, MD	C / FFP	Natick, MA	Jan 2009	Sep 2013	20	359.862	Y		
CBPS UP-ARMORED <sup>(†)</sup>		2010	Smiths Detection / Edgewood, MD	C / FFP	Natick, MA	Feb 2010	Sep 2014	9	359.862	Y		
CBPS UP-ARMORED <sup>(†)</sup>		2011	Smiths Detection / Edgewood, MD	C / FFP	Natick, MA	Sep 2014	Nov 2014	7	1,038.000	Y		
CBPS UP-ARMORED <sup>(†)</sup>		2014	Smiths Detection / Edgewood, MD	C / FFP	Natick, MA	Jul 2014	Mar 2016	2	1,038.000	Y		

<sup>(†)</sup> indicates the presence of a P-21

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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program																				<b>Date:</b> February 2015									
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1										<b>P-1 Line Item Number / Title:</b> PA1600 / COLLECTIVE PROTECTION										<b>Item Number / Title [DODIC]:</b> R12301 / CB PROTECTIVE SHELTER (CBPS)									

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2009															Fiscal Year 2010																
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2008	BAL DUE AS OF 1 OCT	Calendar Year 2009															Calendar Year 2010														
							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	B A L					
CBPS UP-ARMORED																																				
	1	2009	CBDP	20	-	20					A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20			
Secondary Distribution			ARMY	20	-	20					A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20				
	1	2010	CBDP	9	-	9																											9			
Secondary Distribution			ARMY	9	-	9																											9			
	1	2011	CBDP	7	-	7																											7			
Secondary Distribution			ARMY	7	-	7																											7			
	1	2014	CBDP	2	-	2																											2			
Secondary Distribution			ARMY	2	-	2																											2			
							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	B A L					

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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program																				<b>Date:</b> February 2015									
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1										<b>P-1 Line Item Number / Title:</b> PA1600 / COLLECTIVE PROTECTION										<b>Item Number / Title [DODIC]:</b> R12301 / CB PROTECTIVE SHELTER (CBPS)									

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2011															Fiscal Year 2012																
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2010	BAL DUE AS OF 1 OCT	Calendar Year 2011															Calendar Year 2012														
							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	B A L					
CBPS UP-ARMORED																																				
	1	2009	CBDP	20	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20					
Secondary Distribution			ARMY	20	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20						
	1	2010	CBDP	9	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9						
Secondary Distribution			ARMY	9	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9						
	1	2011	CBDP	7	-	7																								7						
Secondary Distribution			ARMY	7	-	7																								7						
	1	2014	CBDP	2	-	2																								2						
Secondary Distribution			ARMY	2	-	2																								2						
							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	B A L					

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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1		<b>P-1 Line Item Number / Title:</b> PA1600 / COLLECTIVE PROTECTION
		<b>Item Number / Title [DODIC]:</b> R12301 / CB PROTECTIVE SHELTER (CBPS)

Cost Elements (Units in Each)					Fiscal Year 2013												Fiscal Year 2014														
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2012	BAL DUE AS OF 1 OCT	Calendar Year 2013												Calendar Year 2014												B A L
							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	
CBPS UP-ARMORED																															
	1	2009	CBDP	20	-	20	-	-	-	-	-	-	-	-	-	-	-	2	6	5	3	4									-
<i>Secondary Distribution</i>			ARMY	20	-	20	-	-	-	-	-	-	-	-	-	-	-	2	6	5	3	4									-
	1	2010	CBDP	9	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	7
<i>Secondary Distribution</i>			ARMY	9	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	7
	1	2011	CBDP	7	-	7																								A -	7
<i>Secondary Distribution</i>			ARMY	7	-	7																								A -	7
	1	2014	CBDP	2	-	2																								A -	2
<i>Secondary Distribution</i>			ARMY	2	-	2																								A -	2
							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	B A L



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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program													<b>Date:</b> February 2015																		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1						<b>P-1 Line Item Number / Title:</b> PA1600 / COLLECTIVE PROTECTION													<b>Item Number / Title [DODIC]:</b> R12301 / CB PROTECTIVE SHELTER (CBPS)												

Cost Elements (Units in Each)						Fiscal Year 2015													Fiscal Year 2016													
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015													Calendar Year 2016												
							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	B A L	
CBPS UP-ARMORED																																
	1	2009	CBDP	20	20	-																							-			
<i>Secondary Distribution</i>			ARMY	20	20	-																							-			
	1	2010	CBDP	9	2	7	5	2																					-			
<i>Secondary Distribution</i>			ARMY	9	2	7	5	2																					-			
	1	2011	CBDP	7	-	7	-	3	4																				-			
<i>Secondary Distribution</i>			ARMY	7	-	7	-	3	4																				-			
	1	2014	CBDP	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
<i>Secondary Distribution</i>			ARMY	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
							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	B A L	

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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1		<b>P-1 Line Item Number / Title:</b> PA1600 / COLLECTIVE PROTECTION
		<b>Item Number / Title [DODIC]:</b> R12301 / CB PROTECTIVE SHELTER (CBPS)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial			Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	Smiths Detection - Edgewood, MD	1	5	17	12	3	47	50	-	2	11	13

(‡) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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<b>Exhibit P-3a, Individual Modification:</b> PB 2016 Chemical and Biological Defense Program										<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1				<b>P-1 Line Item Number / Title:</b> PA1600 / COLLECTIVE PROTECTION						<b>Modification Number / Title:</b> JN0014 / Collective Protection System Amphibious Backfit			

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	154.679	3.355	-	-	-	-	-	-	-	-	-	158.034
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	154.679	3.355	-	-	-	-	-	-	-	-	-	158.034
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>154.679</b>	<b>3.355</b>	-	-	-	-	-	-	-	-	-	<b>158.034</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Collective Protection System (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 Shipboard Installation Drawings (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**

<b>Date</b>	<b>Title</b>	<b>Description</b>
Sep 2015	LHD-8 (USS MAKIN ISLAND)	

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<b>Exhibit P-3a, Individual Modification:</b> PB 2016 Chemical and Biological Defense Program										<b>Date:</b> February 2015				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1					<b>P-1 Line Item Number / Title:</b> PA1600 / COLLECTIVE PROTECTION					<b>Modification Number / Title:</b> JN0014 / Collective Protection System Amphibious Backfit				
<b>Models of Systems Affected:</b> LHD class ships				<b>Modification Type:</b> Force Protection					<b>Related RDT&amp;E PEs:</b>					
<b>Financial Plan</b>	<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>To Complete</b>	<b>Total</b>		
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>		
<b>Procurement</b>														
<i>Modification Item 1 of 1: Collective Protection System Amphibious Backfit</i>														
B Kits														
Recurring														
Equipment	54 / 63.048	1 / 2.055	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 65.103		
<i>Subtotal: Recurring</i>	54 / 63.048	1 / 2.055	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 65.103		
<i>Subtotal: Collective Protection System Amphibious Backfit</i>	54 / 63.048	1 / 2.055	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 65.103		
<i>Subtotal: Procurement, All Modification Items</i>	54 / 63.048	1 / 2.055	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 65.103		
<b>Support (All Modification Items)</b>														
Data	- / 13.200	- / 1.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.200		
Other	- / 13.631	- / 0.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.931		
<i>Subtotal: Support</i>	- / 26.831	- / 1.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 28.131		
<b>Installation</b>														
<i>Modification Item 1 of 1: Collective Protection System Amphibious Backfit</i>														
<i>Subtotal: Installation</i>	54 / 64.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	54 / 64.800		
<b>Total</b>														
<b>Total Cost (Procurement + Support + Installation)</b>	<b>154.679</b>	<b>3.355</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>158.034</b>		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> PA1600 / COLLECTIVE PROTECTION	<b>Modification Number / Title:</b> JN0014 / Collective Protection System Amphibious Backfit

**Modification Item 1 of 1:** Collective Protection System Amphibious Backfit

**Manufacturer Information**

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 10

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Mar 2015					
Delivery Dates			Nov 2015				

**Installation Information**

**Method of Implementation:** Alteration Installation Teams (AITs).

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	54 / 64.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	54 / 64.800
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	54 / 64.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	54 / 64.800

**Installation Schedule**

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	28	-	1	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32
Out	28	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32

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**Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program** **Date:** February 2015

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> PA1600 / COLLECTIVE PROTECTION	<b>Item Number / Title [DODIC]:</b> JP0911 / CP FIELD HOSPITALS (CPFH)
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	37.448	0.856	-	-	-	-	-	-	-	-	-	38.304
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	37.448	0.856	-	-	-	-	-	-	-	-	-	38.304
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	<b>37.448</b>	<b>0.856</b>	-	-	-	-	-	-	-	-	-	<b>38.304</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
Prior/Future combined efforts	-	-	28.944	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CP DEPMEDS MRI 40-BED AUGMENT <sup>(†)</sup>	300.000	2	0.600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	29.544	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	29.544	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support Cost</b>																		
CH EMF COMMON COMPONENTS	-	-	2.273	-	-	0.752	-	-	-	-	-	-	-	-	-	-	-	-
INTEGRATED LOGISTICS SUPPORT	-	-	0.983	-	-	0.028	-	-	-	-	-	-	-	-	-	-	-	-
SYSTEMS ENGINEERING SUPPORT	-	-	0.545	-	-	0.029	-	-	-	-	-	-	-	-	-	-	-	-
INTEGRATED ACQUISITION MANAGEMENT	-	-	4.103	-	-	0.047	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support Cost</i>	-	-	7.904	-	-	0.856	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>37.448</b>	-	-	<b>0.856</b>	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>													<b>Date:</b> February 2015					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1						<b>P-1 Line Item Number / Title:</b> PA1600 / COLLECTIVE PROTECTION						<b>Item Number / Title [DODIC]:</b> JP0911 / CP FIELD HOSPITALS (CPFH)						

**ID Code** (A=Service Ready, B=Not Service Ready) : \_\_\_\_\_ **MDAP/MAIS Code:** \_\_\_\_\_

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost			
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	
Hardware Cost																			
Recurring Cost																			
Prior/Future combined efforts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28.944
CP DEPMEDS MRI 40-BED AUGMENT <sup>(t)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.600
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29.544
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29.544
Support Cost																			
CH EMF COMMON COMPONENTS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.025
INTEGRATED LOGISTICS SUPPORT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.011
SYSTEMS ENGINEERING SUPPORT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.574
INTEGRATED ACQUISITION MANAGEMENT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.150
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.760
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>38.304</b>

**Remarks:**

The Collectively Protected Field Hospitals (CPFH) program provides each Service's medical personnel a Chemical, Biological, Radiological, and Nuclear (CBRN) collective protection capability for sustained medical operations in a Chemical and Biological (CB) contaminated environment. 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 include barrier materials, Environmental Control Units (ECU), and air purification equipment.

<sup>(t)</sup> indicates the presence of a P-5a

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**Exhibit P-5a, Procurement History and Planning:** PB 2016 Chemical and Biological Defense Program **Date:** February 2015

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> PA1600 / COLLECTIVE PROTECTION	<b>Item Number / Title [DODIC]:</b> JP0911 / CP FIELD HOSPITALS (CPFH)
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
CP DEPMEDS MRI 40-BED AUGMENT <sup>(†)</sup>		2012	Pine Bluff Arsenal / Pine Bluff, AR	MIPR	TACOM, Warren, MI	Jan 2012	Nov 2013	1	300.000	Y		
CP DEPMEDS MRI 40-BED AUGMENT <sup>(†)</sup>		2013	Pine Bluff Arsenal / Pine Bluff, AR	MIPR	TACOM, Warren, MI	Jan 2013	Nov 2014	1	300.000	Y		

<sup>(†)</sup> indicates the presence of a P-21



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**Exhibit P-21, Production Schedule:** PB 2016 Chemical and Biological Defense Program **Date:** February 2015

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> PA1600 / COLLECTIVE PROTECTION	<b>Item Number / Title [DODIC]:</b> JP0911 / CP FIELD HOSPITALS (CPFH)
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Cost Elements <i>(Units in Each)</i>					Fiscal Year 2012													Fiscal Year 2013													
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2011	BAL DUE AS OF 1 OCT	Calendar Year 2012													Calendar Year 2013											
							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	B A L
CP DEPMEDES MRI 40-BED AUGMENT																															
	1	2012	CBDP	1	-	1					A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
Secondary Distribution			ARMY	1	-	1					A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
	1	2013	CBDP	1	-	1																		A -	-	-	-	-	-	1	
Secondary Distribution			ARMY	1	-	1																		A -	-	-	-	-	-	1	
							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	B A L

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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program															<b>Date:</b> February 2015									
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1					<b>P-1 Line Item Number / Title:</b> PA1600 / COLLECTIVE PROTECTION										<b>Item Number / Title [DODIC]:</b> JP0911 / CP FIELD HOSPITALS (CPFH)									

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2014												Fiscal Year 2015														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014												Calendar Year 2015												B A L
							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	
CP DEPMEDES MRI 40-BED AUGMENT																															
	1	2012	CBDP	1	-	1	-	1																					-		
Secondary Distribution			ARMY	1	-	1	-	1																					-		
	1	2013	CBDP	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-		
Secondary Distribution			ARMY	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	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	B A L

**UNCLASSIFIED**

**Exhibit P-21, Production Schedule:** PB 2016 Chemical and Biological Defense Program **Date:** February 2015

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> PA1600 / COLLECTIVE PROTECTION	<b>Item Number / Title [DODIC]:</b> JP0911 / CP FIELD HOSPITALS (CPFH)
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MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Pine Bluff Arsenal - Pine Bluff, AR	1	1	1	-	3	23	26	-	3	23	26

(‡) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.  
 "A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>										<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1					<b>P-1 Line Item Number / Title:</b> PA1600 / COLLECTIVE PROTECTION					<b>Item Number / Title [DODIC]:</b> JP1111 / JOINT EXPEDITIONARY COLLECTIVE PROTECTION (JECP)			

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :							<b>MDAP/MAIS Code:</b>					
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	0.000	4.000	-	-	-	-	-	-	-	-	-	4.000
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	4.000	-	-	-	-	-	-	-	-	-	4.000
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	<b>0.000</b>	<b>4.000</b>	-	-	-	-	-	-	-	-	-	<b>4.000</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
Structure Kit - Improved <sup>(f)</sup>	-	-	0.000	103.667	6	0.622	-	-	-	-	-	-	-	-	-	-	-	-
STANDALONE SHELTER - Stand Alone - Large <sup>(f)</sup>	-	-	0.000	228.889	9	2.060	-	-	-	-	-	-	-	-	-	-	-	-
STANDALONE SHELTER - GFE Generators	-	-	0.000	29.222	9	0.263	-	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT ISLOLATION SYSTEM - Isolation Modules <sup>(f)</sup>	-	-	0.000	141.667	3	0.425	-	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT ISLOLATION SYSTEM - GFE Zippers	-	-	0.000	0.149	235	0.035	-	-	-	-	-	-	-	-	-	-	-	-
Spares	-	-	0.000	-	-	0.020	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>0.000</i>	-	-	<i>3.425</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	<i>0.000</i>	-	-	<i>3.425</i>	-	-	-	-	-	-	-	-	-	-	-	-
Logistics Cost																		
Recurring Cost																		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> PA1600 / COLLECTIVE PROTECTION	<b>Item Number / Title [DODIC]:</b> JP1111 / JOINT EXPEDITIONARY COLLECTIVE PROTECTION (JECP)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Technical Data	-	-	0.000	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	0.000	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Logistics Cost</i>	-	-	0.000	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-
Support Cost																		
Program Management and Support	-	-	0.000	-	-	0.574	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support Cost</i>	-	-	0.000	-	-	0.574	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>0.000</b>	-	-	<b>4.000</b>	-	-	-	-	-	-	-	-	-	-	-	-

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
Structure Kit - Improved <sup>(f)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.622
STANDALONE SHELTER - Stand Alone - Large <sup>(f)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.060
STANDALONE SHELTER - GFE Generators	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.263
TRANSPORT ISLOLATION SYSTEM - Isolation Modules <sup>(f)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.425
TRANSPORT ISLOLATION SYSTEM - GFE Zippers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.035
Spares	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.020
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.425
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.425
Logistics Cost																		
Recurring Cost																		

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> PA1600 / COLLECTIVE PROTECTION	<b>Item Number / Title [DODIC]:</b> JP1111 / JOINT EXPEDITIONARY COLLECTIVE PROTECTION (JECP)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Technical Data	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.001
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.001
<i>Subtotal: Logistics Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.001
Support Cost																		
Program Management and Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.574
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.574
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>4.000</b>

**Remarks:**

Beginning in FY 2015, the JOINT EXPEDITIONARY COLLECTIVE PROTECTION (JECP) program has been consolidated into CBDP line item (BLIN) PHM001 - CB PROTECTION AND HAZARD MITIGATION

Joint Expeditionary Collective Protection (JECP) provides the Joint expeditionary forces a collective protection (CP) capability which is lightweight, compact, modular, and affordable. The JECP family of systems (FoS) include tent kits, structure kits, and standalone shelters that allow the application of CP to transportable soft-side shelters, enclosed spaces of opportunity, and remote austere locations as a standalone resource. JECP is capable of protecting personnel groups of varying size, unencumbered by individual protective equipment (IPE), from effects of chemical and biological (CB) agents, radiological (R) particles, toxic industrial materials (TIMs), heat, dust, and sand.

Tent kits consist of a CB protective liner, airlock system, and a CB filtration blower system. Tent Kit-1 interfaces with the US Navy's Base-X 303 and 305 general purpose tents and all organic Base-X equipment including the environmental control unit and power systems. Tent Kit-2 interfaces with the Air Force Small Shelter System (ASSS) general purpose tents and all organic ASSS equipment including the environmental control unit and power systems.

Structure kits may include a floorless CB protective liner or a CB protective liner with a floor, an airlock system, and a CB filtration blower system. Structure Kit-Improved (SK-I) is retrofitted to structures such as office buildings, warehouses, or hangars that provide coherent walls and roofing, ventilation systems, doors and windows, and power. Structure Kit-Unimproved (SK-UI)/Standalone Shelter System-Medium (SA-M) are retrofitted to structures such as huts, sheds or other rudimentary structures (SK-UI) that do not have any available electrical power, but provide environmental and other basic elemental protection. This configuration uses a passive CP system relying on natural airflow through protective panels.

Standalone large shelter (SA-L) is an all encompassing active CP shelter for multi-service use for up to 20 people. SA-L provides a general purpose tent system, chemical and biological (CB) protective liner, an airlock system, a CB filtration blower system, an environmental control unit and all necessary power and ancillary equipment.

The Transport Isolation System (TIS) provides an aeromedical evacuation capability to transport up to 12 patients that have contagious and/or infectious diseases (e.g. Ebola) while protecting the aircrew, airframe and all other support personnel from infection. C-17 and C-130 aircraft will provide air transport of the TIS and personnel. The users of the TIS will be USTRANSCOM. TIS will be leveraged in support of future CBRN protection technologies.

Justification: FY16 procures 27 JECP systems in the following configurations: 12 tent kit 2s, 6 shelter kit-improved, and 9 standalone large shelters. The employment of JECP is a strategic deterrence against enemy use of CBR agents or TIMs, and will reduce the need for personnel and equipment decontamination.

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<b>Exhibit P-5, Cost Analysis:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> PA1600 / COLLECTIVE PROTECTION	<b>Item Number / Title [DODIC]:</b> JP1111 / JOINT EXPEDITIONARY COLLECTIVE PROTECTION (JECP)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :		<b>MDAP/MAIS Code:</b>
<p>RDT&amp;E Code B Item: 0604384BP/Proj CO5</p> <p>CO5/JECP: RDT&amp;E FY14 and Prior - 91.550M; FY15 - 4.617M; FY16 - 7.361M</p> <p>DEVELOPMENT/TEST STATUS AND MAJOR MILESTONES</p> <p>JECP - Capability Production Document (CPD): Jan 2013          JECP - Milestone C LRIP Decision: Feb 2013          JECP - Low-Rate Initial Production Contract Option: Sep 2013          JECP - Production Verification Testing (PVT) (Apr 2014 to Apr 2015)          JECP - Multi-service Operational Test and Evaluation I (Apr 2015 to May 2015)          JECP - Multi-service Operational Test and Evaluation II (Jan 2016 to Mar 2016)          JECP - Full Rate Production Decision Review: Oct 2016          JECP - Initial Operational Capability: Sep 2021          JECP - Full Operational Capability: Sep 2030</p> <p>(t) indicates the presence of a P-5a</p>		

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2016 Chemical and Biological Defense Program							<b>Date:</b> February 2015					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1			<b>P-1 Line Item Number / Title:</b> PA1600 / COLLECTIVE PROTECTION				<b>Item Number / Title [DODIC]:</b> JP1111 / JOINT EXPEDITIONARY COLLECTIVE PROTECTION (JECP)					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Structure Kit - Improved <sup>(†)</sup>		2014	Leidos / Abingdon, MD	C / FFP	Aberdeen, MD	Apr 2015 <sup>(1)</sup>	Sep 2015	6	103.667	Y		Feb 2008
STANDALONE SHELTER - Stand Alone - Large <sup>(†)</sup>		2014	Leidos / Abingdon, MD	C / FFP	Aberdeen, MD	Apr 2015 <sup>(2)</sup>	Oct 2015	9	228.889	Y		Feb 2008
TRANSPORT ISLULATION SYSTEM - Isolation Modules <sup>(†)</sup>		2014	Production Products Inc. / St Louis, MO	SS / FFP	Natick, MA	Nov 2014	Dec 2014	3	141.667	Y		Oct 2014

<sup>(†)</sup> indicates the presence of a P-21

**Footnotes:**

<sup>(1)</sup> - LRIP

<sup>(2)</sup> - LRIP





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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1		<b>P-1 Line Item Number / Title:</b> PA1600 / COLLECTIVE PROTECTION
		<b>Item Number / Title [DODIC]:</b> JP1111 / JOINT EXPEDITIONARY COLLECTIVE PROTECTION (JECP)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Leidos - Abingdon, MD	5	20	45	-	6	5	11	-	1	5	6
2	Leidos - Abingdon, MD	5	20	45	-	6	5	11	-	1	5	6
3	Production Products Inc. - St Louis, MO	12	20	24	-	1	1	2	-	-	-	-

(‡) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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**Exhibit P-40, Budget Line Item Justification:** PB 2016 Chemical and Biological Defense Program **Date:** February 2015

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 03: Chemical/Biological Defense / BSA 1: CBDP	<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	1,584.467	137.888	-	-	-	-	-	-	-	-	-	1,722.355
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	1,584.467	137.888	-	-	-	-	-	-	-	-	-	1,722.355
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	<b>1,584.467</b>	<b>137.888</b>	-	-	-	-	-	-	-	-	-	<b>1,722.355</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Beginning in FY 2015, programs in this line item are consolidated into budget line item (BLIN) SA0001 - SITUATIONAL AWARENESS.

This Budget Line (BLIN) 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: (1) 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; (2) 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 the MK26 Mod 0 Improved (chemical agent) Point Detection System (IPDS) provides automatic point detection, classification, and warning when there are chemical warfare vapors external to the ship; and IPDS is an Ion Mobility Spectroscopy (IMS) based chemical point detection system with algorithm library and embedded data processing that automatically detects and alarms to nerve and blister vapor at low concentrations and has the capability of rejecting common shipboard interferents; (3) The Non-Traditional Agent Detection (NTAD) Program will evaluate and test developmental technologies to enhance detection systems' capability to detect NTAs. In the warning and reporting and reconnaissance area: (1) Joint Warning and Reporting Network (JWARN) provides a fully automated NBC detection and warning process throughout the battle space; (2) Software Support Activity (SSA) is a user development system providing enterprise-wide services and coordination to facilitate net-centric interoperability; (3) 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 which includes support of the Stryker Nuclear Biological and Chemical Reconnaissance Vehicles (NBCRV); and (4) CBRN Dismounted Reconnaissance Systems (CBRN DRS) provides mission critical reconnaissance platoon dismounted capabilities for detection, presumptive identification, sample collection, marking and immediate reporting of standard NBC hazards, to include hazardous industrial materials.

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**Exhibit P-40, Budget Line Item Justification:** PB 2016 Chemical and Biological Defense Program **Date:** February 2015

**Appropriation / Budget Activity / Budget Sub Activity:** 0300D: Procurement, Defense-Wide / BA 03: Chemical/Biological Defense / BSA 1: CBDP **P-1 Line Item Number / Title:** GP2000 / CONTAMINATION AVOIDANCE

**ID Code** (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:**

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
MC0101 / CBRN DISMOUNTED RECONNAISSANCE SYSTEMS (CBRN DRS)	P-5, P-5a, P-21	A	- / 41.102	- / 64.398	- / -	- / -	- / -	- / -
JC0100 / JOINT BIO POINT DETECTION SYSTEM (JBPDS)	P-5, P-5a, P-21		- / 772.715	- / 23.895	- / -	- / -	- / -	- / -
JF0100 / Joint Chemical Agent Detector (JCAD) (Force Protection)	P-3a		- / 20.540	- / 4.985	- / -	- / -	- / -	- / -
JF0100 / JOINT CHEMICAL AGENT DETECTOR (JCAD)	P-5, P-5a, P-21		- / 242.512	- / 42.277	- / -	- / -	- / -	- / -
MC0100 / JOINT NBC RECONNAISSANCE SYSTEM (JNBCRS)	P-5, P-5a, P-21		- / 399.081	- / -	- / -	- / -	- / -	- / -
G47101 / JOINT WARNING & REPORTING NETWORK (JWARN)	P-5		- / 94.015	- / 1.112	- / -	- / -	- / -	- / -
JN0900 / NON TRADITIONAL AGENT DETECTION (NTA DETECT)	P-5		- / 12.302	- / 1.121	- / -	- / -	- / -	- / -
JS5230 / SOFTWARE SUPPORT ACTIVITY (SSA)	P-5		- / 2.200	- / 0.100	- / -	- / -	- / -	- / -
<b>Total Gross/Weapon System Cost</b>			<b>- / 1,584.467</b>	<b>- / 137.888</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
MC0101 / CBRN DISMOUNTED RECONNAISSANCE SYSTEMS (CBRN DRS)	P-5, P-5a, P-21	A	- / -	- / -	- / -	- / -	- / -	- / 105.500
JC0100 / JOINT BIO POINT DETECTION SYSTEM (JBPDS)	P-5, P-5a, P-21		- / -	- / -	- / -	- / -	- / -	- / 796.610
JF0100 / Joint Chemical Agent Detector (JCAD) (Force Protection)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 25.525
JF0100 / JOINT CHEMICAL AGENT DETECTOR (JCAD)	P-5, P-5a, P-21		- / -	- / -	- / -	- / -	- / -	- / 284.789
MC0100 / JOINT NBC RECONNAISSANCE SYSTEM (JNBCRS)	P-5, P-5a, P-21		- / -	- / -	- / -	- / -	- / -	- / 399.081
G47101 / JOINT WARNING & REPORTING NETWORK (JWARN)	P-5		- / -	- / -	- / -	- / -	- / -	- / 95.127
JN0900 / NON TRADITIONAL AGENT DETECTION (NTA DETECT)	P-5		- / -	- / -	- / -	- / -	- / -	- / 13.423
JS5230 / SOFTWARE SUPPORT ACTIVITY (SSA)	P-5		- / -	- / -	- / -	- / -	- / -	- / 2.300
<b>Total Gross/Weapon System Cost</b>			<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / 1,722.355</b>

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

**Justification:**  
 Contamination Avoidance is a 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.

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE	<b>Item Number / Title [DODIC]:</b> MC0101 / CBRN DISMOUNTED RECONNAISSANCE SYSTEMS (CBRN DRS)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A						<b>MDAP/MAIS Code:</b>						
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	41.102	64.398	-	-	-	-	-	-	-	-	-	105.500
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	41.102	64.398	-	-	-	-	-	-	-	-	-	105.500
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>41.102</b>	<b>64.398</b>	-	-	-	-	-	-	-	-	-	<b>105.500</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2014</b>			<b>FY 2015</b>			<b>FY 2016 Base</b>			<b>FY 2016 OCO</b>			<b>FY 2016 Total</b>		
	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
Prior/Future combined efforts	-	-	35.524	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CBRN DRS - DR SKO Army Configuration <sup>(†)</sup>	-	-	1.148	1,055.000	32	33.760	-	-	-	-	-	-	-	-	-	-	-	-
CBRN DRS - DR SKO Army Configuration Civil Support Team (CST) <sup>(†)</sup>	-	-	0.000	674.571	14	9.444	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Support (FLIR)	-	-	0.000	-	-	6.094	-	-	-	-	-	-	-	-	-	-	-	-
DR SKO Initial Spares	-	-	0.500	-	-	6.574	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal: Recurring Cost</b>	-	-	<b>37.172</b>	-	-	<b>55.872</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal: Hardware Cost</b>	-	-	<b>37.172</b>	-	-	<b>55.872</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support Cost</b>																		
Fielding Support	-	-	1.400	-	-	3.022	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Support	-	-	1.820	-	-	2.170	-	-	-	-	-	-	-	-	-	-	-	-
DR SKO First Article Test	-	-	0.000	-	-	3.000	-	-	-	-	-	-	-	-	-	-	-	-
DR SKO Contractor Logistics Support	-	-	0.710	-	-	0.334	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE	<b>Item Number / Title [DODIC]:</b> MC0101 / CBRN DISMOUNTED RECONNAISSANCE SYSTEMS (CBRN DRS)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Support Cost</i>	-	-	3.930	-	-	8.526	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	41.102	-	-	64.398	-	-	-	-	-	-	-	-	-	-	-	-

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)

Hardware Cost																		
Recurring Cost																		
Prior/Future combined efforts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.524
CBRN DRS - DR SKO Army Configuration <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.908
CBRN DRS - DR SKO Army Configuration Civil Support Team (CST) <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.444
Engineering Support (FLIR)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.094
DR SKO Initial Spares	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.074
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	93.044
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	93.044
Support Cost																		
Fielding Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.422
Engineering Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.990
DR SKO First Article Test	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.000
DR SKO Contractor Logistics Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.044
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.456
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	105.500

**Remarks:**  
Beginning in FY 2015, the CBRN DISMOUNTED RECONNAISSANCE SYSTEMS (CBRN DRS) program has been consolidated into CBDP line item (BLIN) SA0001 - SITUATIONAL AWARENESS

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<b>Exhibit P-5, Cost Analysis:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE	<b>Item Number / Title [DODIC]:</b> MC0101 / CBRN DISMOUNTED RECONNAISSANCE SYSTEMS (CBRN DRS)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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The CBRN Dismounted Reconnaissance Systems (CBRN DRS) consists of portable, commercial and government off-the-shelf equipment which provides personnel protection from current and emerging CBRN hazards through detection, identification, sample collection, decontamination, marking, and hazard reporting for CBRN threats. The system supports Dismounted Reconnaissance, Surveillance, and CBRN Site Assessment missions which enables more detailed and near real-time CBRN information flow for the Warfighter. In addition the CBRN DRS consists of commercial and government off-the-shelf equipment which will enhance current Civil Support Team (CST) capability to address emerging threats in a domestic incident.

Justification:

RDT&E Code B Item: 0607384BP/Proj CA7

CA7/CBRN DRS: RDT&E ; FY15 - 0.491M; FY16 - 4.837M; FY17 - 4.854M; FY18 - 4.817M; FY19 - 4.870M; FY20 - 4.986M; FY21 - 4.346M

DEVELOPMENT/TEST STATUS AND MAJOR MILESTONES

- CBRN DRS - Milestone (MS) B: Mar 2011
- CBRN DRS - Milestone (MS) C LRIP: Mar 2013
- CBRN DRS - Production Qualification Test (Mar 2013 to Jul 2013)
- CBRN DRS - MOT&E (Aug 2013 to Nov 2013)
- CBRN DRS - FRP/Deployment (Mar 2014 to Sep 2022)
- CBRN DRS - First Article Test (PBA Only): Mar 2015
- CBRN DRS - IOC - Navy: Sep 2014
- CBRN DRS - IOC - Army: Jun 2015
- CBRN DRS - IOC - USMC: Jun 2016
- CBRN DRS - IOC-Air Force: Jun 2019

(t) indicates the presence of a P-5a

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2016 Chemical and Biological Defense Program							<b>Date:</b> February 2015					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1			<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE				<b>Item Number / Title [DODIC]:</b> MC0101 / CBRN DISMOUNTED RECONNAISSANCE SYSTEMS (CBRN DRS)					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
CBRN DRS - DR SKO Army Configuration <sup>(†)</sup>		2014	FLIR Systems Inc. / Elkridge, MD	C / FFP	RDECOM, Edgewood, MD	Jan 2014 <sup>(1)</sup>	Jun 2014	32	1,055.000	Y		Jan 2013
CBRN DRS - DR SKO Army Configuration Civil Support Team (CST) <sup>(†)</sup>		2014	Pine Bluff Arsenal / Pine Bluff, AR	MIPR	Pine Bluff Arsenal, Pine Bluff, AR	Jun 2014	Jan 2015	14	575.000	Y		

<sup>(†)</sup> indicates the presence of a P-21

**Footnotes:**

<sup>(1)</sup> (Option)



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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1		<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE
		<b>Item Number / Title [DODIC]:</b> MC0101 / CBRN DISMOUNTED RECONNAISSANCE SYSTEMS (CBRN DRS)

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2014												Fiscal Year 2015													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014												Calendar Year 2015												B A L
							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	
CBRN DRS - DR SKO Army Configuration																															
	1	2014	CBDP	32	-	32																									
Secondary Distribution			ARMY	32	-	32																									
CBRN DRS - DR SKO Army Configuration Civil Support Team (CST)																															
	2	2014	CBDP	14	-	14																									
Secondary Distribution			ARMY	14	-	14																									
							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	B A L

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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE	<b>Item Number / Title [DODIC]:</b> MC0101 / CBRN DISMOUNTED RECONNAISSANCE SYSTEMS (CBRN DRS)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	FLIR Systems Inc. - Elkridge, MD	1	6	20	3	4	3	7	6	-	3	3
2	Pine Bluff Arsenal - Pine Bluff, AR	1	6	20	-	3	1	4	-	3	4	7

(±) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.  
 "A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>										<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1					<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE					<b>Item Number / Title [DODIC]:</b> JC0100 / JOINT BIO POINT DETECTION SYSTEM (JBPDS)			

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :							<b>MDAP/MAIS Code:</b>					
---	--	--	--	--	--	--	------------------------	--	--	--	--	--

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	772.715	23.895	-	-	-	-	-	-	-	-	-	796.610
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	772.715	23.895	-	-	-	-	-	-	-	-	-	796.610
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>772.715</b>	<b>23.895</b>	-	-	-	-	-	-	-	-	-	<b>796.610</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2014</b>			<b>FY 2015</b>			<b>FY 2016 Base</b>			<b>FY 2016 OCO</b>			<b>FY 2016 Total</b>		
	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
Prior/Future combined efforts	-	-	679.071	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBPDS - M98 - M98 Ship Variant <sup>(†)</sup>	1,726.333	12	20.716	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JUPITR Integration and Software Support	-	-	0.000	-	-	1.455	-	-	-	-	-	-	-	-	-	-	-	-
JUPITR Engineering and Technical Support	-	-	0.000	-	-	1.175	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal: Recurring Cost</b>	-	-	<b>699.787</b>	-	-	<b>2.630</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Non Recurring Cost</b>																		
Contract close out	-	-	0.000	-	-	4.543	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal: Non Recurring Cost</b>	-	-	<b>0.000</b>	-	-	<b>4.543</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal: Hardware Cost</b>	-	-	<b>699.787</b>	-	-	<b>7.173</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support Cost</b>																		
Quality Assurance	-	-	2.964	-	-	0.593	-	-	-	-	-	-	-	-	-	-	-	-
Engineering and Technical Support	-	-	37.883	-	-	7.264	-	-	-	-	-	-	-	-	-	-	-	-
Program Management	-	-	5.431	-	-	3.858	-	-	-	-	-	-	-	-	-	-	-	-
System Fielding Support	-	-	4.414	-	-	0.735	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE	<b>Item Number / Title [DODIC]:</b> JC0100 / JOINT BIO POINT DETECTION SYSTEM (JBPDS)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Engineering Change Orders to address Obsolescence and technology refresh	-	-	22.236	-	-	4.272	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support Cost</i>	-	-	72.928	-	-	16.722	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>772.715</b>	-	-	<b>23.895</b>	-	-	-	-	-	-	-	-	-	-	-	-

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
Prior/Future combined efforts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	679.071
JBPDS - M98 - M98 Ship Variant <sup>(1)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.716
JUPITR Integration and Software Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.455
JUPITR Engineering and Technical Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.175
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	702.417
Non Recurring Cost																		
Contract close out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.543
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.543
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	706.960
Support Cost																		
Quality Assurance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.557
Engineering and Technical Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45.147
Program Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.289
System Fielding Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.149
Engineering Change Orders to address Obsolescence and technology refresh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26.508

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE	<b>Item Number / Title [DODIC]:</b> JC0100 / JOINT BIO POINT DETECTION SYSTEM (JBPDS)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89.650
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>796.610</b>

**Remarks:**

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 is operated by two onboard controllers and a touchpad screen display. 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, and wheeled vehicles. The JBPDS's configuration specific nomenclatures are the M97 Shelter variant and the M98 Ship variant. The M31A2 BIDS (Biological Integrated Detection System) integrates the M97 into a High Mobility Wheeled Vehicle (HMMWV) with shelter. The M97 is also integrated into the Stryker NBCRV (Nuclear Biological Chemical Reconnaissance Vehicle). The M98 is integrated onto surface ships. JBPDS provides both: (1) a means to limit the effects of Biological Warfare Agent (BWA) 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.

Engineering changes to refresh the technology of the JBPDS consisted of two separate efforts that, when combined, will reduce the overall life cycle cost and address obsolescence concerns. The technology upgrade for the detector will focus on the Rapid Agent Aerosol Detector (RAAD) developed by Massachusetts Institute of Technology - Lincoln Labs (MIT-LL) is transitioning to limited production at Kansas City Plant (KCP). These engineering changes will support the Joint US Forces Korea Portal and Integrated Threat Reduction (JUPITR) advanced technology demonstration (ATD). FY14 was the final year of JBPDS funding.

(t) indicates the presence of a P-5a

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2016 Chemical and Biological Defense Program							<b>Date:</b> February 2015					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1			<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE				<b>Item Number / Title [DODIC]:</b> JC0100 / JOINT BIO POINT DETECTION SYSTEM (JBPDS)					
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$ K)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
JBPDS - M98 - M98 Ship Variant <sup>(†)</sup>		2012	General Dynamics ATP / Charlotte, NC	C / FFP	Army Contract Agency, APG, MD	Feb 2012 <sup>(2)</sup>	Nov 2013	12	389.000	Y		

<sup>(†)</sup> indicates the presence of a P-21

**Footnotes:**

<sup>(2)</sup> Option 2

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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE	<b>Item Number / Title [DODIC]:</b> JC0100 / JOINT BIO POINT DETECTION SYSTEM (JBPDS)

Cost Elements (Units in Each)					Fiscal Year 2012												Fiscal Year 2013														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2011	BAL DUE AS OF 1 OCT	Calendar Year 2012												Calendar Year 2013												
							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	B A L
JBPDS - M98 - M98 Ship Variant																															
	1	2012	CBDP	12	-	12									A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
Secondary Distribution			NAVY	12	-	12									A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
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	B A L							

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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program													<b>Date:</b> February 2015												
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1						<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE						<b>Item Number / Title [DODIC]:</b> JC0100 / JOINT BIO POINT DETECTION SYSTEM (JBPDS)													

Cost Elements (Units in Each)					Fiscal Year 2014												Fiscal Year 2015																	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014												Calendar Year 2015															
							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	B A L			
JBPDS - M98 - M98 Ship Variant																																		
	1	2012	CBDP	12	-	12	-	6	6																									-
Secondary Distribution			NAVY	12	-	12	-	6	6																									-
							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	B A L			



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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE	<b>Item Number / Title [DODIC]:</b> JC0100 / JOINT BIO POINT DETECTION SYSTEM (JBPDS)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial			Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	General Dynamics ATP - Charlotte, NC	2	14	24	12	11	12	23	-	4	12	16

(‡) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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<b>Exhibit P-3a, Individual Modification:</b> PB 2016 Chemical and Biological Defense Program										<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1					<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE					<b>Modification Number / Title:</b> JF0100 / Joint Chemical Agent Detector (JCAD)			

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	20.540	4.985	-	-	-	-	-	-	-	-	-	25.525
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	20.540	4.985	-	-	-	-	-	-	-	-	-	25.525
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>20.540</b>	<b>4.985</b>	-	-	-	-	-	-	-	-	-	<b>25.525</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The MK26 Mod 1 Improved (Chemical Agent) Point Detection System Lifecycle Replacement (IPDS-LR) provides automatic point detection, classification, and warning when there are chemical warfare vapors external to the ship. IPDS-LR is an Ion Mobility Spectrometer (IMS) based chemical point detection system with algorithm library and embedded data processing that automatically detects and alarms to nerve and blister vapor at low concentrations and has the capability of rejecting common shipboard interferents.

**Development Status/Major Development Milestones**

<b>Date</b>	<b>Title</b>	<b>Description</b>
Apr 2011	Production IPR	

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<b>Exhibit P-3a, Individual Modification:</b> PB 2016 Chemical and Biological Defense Program										<b>Date:</b> February 2015				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1					<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE					<b>Modification Number / Title:</b> JF0100 / Joint Chemical Agent Detector (JCAD)				
<b>Models of Systems Affected:</b> Multiple class ships				<b>Modification Type:</b> Force Protection				<b>Related RDT&amp;E PEs:</b>						
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total		
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		
<b>Procurement</b>														
<i>Modification Item 1 of 1:</i> Joint Chemical Agent Detector (JCAD)														
B Kits														
Recurring														
Equipment	107 / 12.840	36 / 4.630	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	143 / 17.470		
<i>Subtotal: Recurring</i>	107 / 12.840	36 / 4.630	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	143 / 17.470		
<i>Subtotal: Joint Chemical Agent Detector (JCAD)</i>	107 / 12.840	36 / 4.630	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	143 / 17.470		
<i>Subtotal: Procurement, All Modification Items</i>	107 / 12.840	36 / 4.630	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	143 / 17.470		
<b>Support (All Modification Items)</b>														
Other	- / 17.700	- / 10.355	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.055		
<i>Subtotal: Support</i>	- / 17.700	- / 10.355	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.055		
<b>Installation</b>														
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -		
<b>Total</b>														
<b>Total Cost (Procurement + Support + Installation)</b>	<b>20.540</b>	<b>4.985</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>25.525</b>		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE	<b>Modification Number / Title:</b> JF0100 / Joint Chemical Agent Detector (JCAD)

**Modification Item 1 of 1:** Joint Chemical Agent Detector (JCAD)

**Manufacturer Information**

Manufacturer Name: Navy Depot Field Team	Manufacturer Location: Norfolk, VA
Administrative Leadtime (in Months): 10	Production Leadtime (in Months): 6

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	May 2015	May 2016	May 2017				
Delivery Dates	Mar 2016	Mar 2017	Mar 2018				

**Installation Information**

**Method of Implementation:** Alteration Installation Teams (AITs).

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

**Installation Schedule**

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
In	107	-	36	-	-	-	31	-	-	-	29	-	-	-	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	230
Out	88	-	35	-	-	-	24	-	-	-	27	-	-	-	21	-	-	-	11	-	-	-	9	-	-	-	8	-	-	-	7	230	

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>										<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1					<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE					<b>Item Number / Title [DODIC]:</b> JF0100 / JOINT CHEMICAL AGENT DETECTOR (JCAD)			

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :							<b>MDAP/MAIS Code:</b>					
---	--	--	--	--	--	--	------------------------	--	--	--	--	--

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	242.512	42.277	-	-	-	-	-	-	-	-	-	284.789
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	242.512	42.277	-	-	-	-	-	-	-	-	-	284.789
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>242.512</b>	<b>42.277</b>	-	-	-	-	-	-	-	-	-	<b>284.789</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2014</b>			<b>FY 2015</b>			<b>FY 2016 Base</b>			<b>FY 2016 OCO</b>			<b>FY 2016 Total</b>		
	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
Prior/Future combined efforts	-	-	186.229	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M4A1 JCAD - FRP - JCAD Communication Adapter <sup>(†)</sup>	-	-	0.000	2.072	3,557	7.370	-	-	-	-	-	-	-	-	-	-	-	-
M4A1 JCAD - FRP - Stryker Communication Adapter <sup>(†)</sup>	-	-	0.000	2.079	2,713	5.640	-	-	-	-	-	-	-	-	-	-	-	-
M4A1 JCAD - FRP - M4A1 JCAD - Hardware <sup>(†)</sup>	27.708	1,562	43.280	4.479	5,983	26.798	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	229.509	-	-	39.808	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	229.509	-	-	39.808	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support Cost</b>																		
Engineering Support (Govt)	-	-	8.207	-	-	2.160	-	-	-	-	-	-	-	-	-	-	-	-
System Fielding Support (Gov't) (First Article Test (FAT), Total Package Fielding, First Destinat...	-	-	4.796	-	-	0.309	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE	<b>Item Number / Title [DODIC]:</b> JF0100 / JOINT CHEMICAL AGENT DETECTOR (JCAD)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Support Cost</i>	-	-	13.003	-	-	2.469	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	242.512	-	-	42.277	-	-	-	-	-	-	-	-	-	-	-	-

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)

Hardware Cost																		
Recurring Cost																		
Prior/Future combined efforts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	186.229
M4A1 JCAD - FRP - JCAD Communication Adapter <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.370
M4A1 JCAD - FRP - Stryker Communication Adapter <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.640
M4A1 JCAD - FRP - M4A1 JCAD - Hardware <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70.078
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	269.317
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	269.317

Support Cost																		
Engineering Support (Govt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.367
System Fielding Support (Gov't) (First Article Test (FAT), Total Package Fielding, First Destinat...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.105
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.472
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	284.789

**Remarks:**  
Beginning in FY 2015, the JOINT CHEMICAL AGENT DETECTOR (JCAD) program has been consolidated into CDBP line item (BLIN) SA0001 - SITUATIONAL AWARENESS

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE	<b>Item Number / Title [DODIC]:</b> JF0100 / JOINT CHEMICAL AGENT DETECTOR (JCAD)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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The JCAD program employs an incremental acquisition strategy to develop a miniaturized, rugged, and portable point chemical agent detector that automatically and simultaneously detects, identifies and alerts in the presence of nerve, blister, and blood chemical warfare agents. The M4 JCAD entered full rate production in September 2008 and were procured through FY10. The M4A1 reduces operations and sustainment costs to the Warfighter and obtains many of the objective values in the JCAD Increment I CPD. Production of the M4A1 began April FY11. JCAD will be used for wheeled vehicles, stand alone, and individual Soldier applications. The M4 JCAD will replace the M8A1 and the M22 Automatic Chemical Agent Alarms (ACAA/ACADA). The M4A1 may also replace the Chemical Agent Monitor (CAM) and Improved Chemical Agent Monitor (ICAM) and other legacy systems currently used by the individual Services. These funds also support a Lifecycle Replacement (LR) for the Navy's Improved Point Detection System (IPDS). The MK26 Mod 1 Improved (Chemical Agent) Point Detection System Lifecycle Replacement (IPDS-LR) provides automatic point detection, classification, and warning when there are chemical warfare vapors external to the ship. IPDS-LR is an Ion Mobility Spectrometer (IMS) based chemical point detection system with an algorithm library and embedded data processing that automatically detects and alarms to nerve and blister vapor at low concentrations and has the capability of rejecting common shipboard interferents.

(t) indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2016 Chemical and Biological Defense Program							<b>Date:</b> February 2015					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1			<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE				<b>Item Number / Title [DODIC]:</b> JF0100 / JOINT CHEMICAL AGENT DETECTOR (JCAD)					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
M4A1 JCAD - FRP - JCAD Communication Adapter <sup>(†)</sup>		2014	Smiths Detection / Edgewood, MD	C / FFP	RDECOM, APG, MD	Dec 2013 <sup>(3)</sup>	Feb 2014	3,557	2.072	Y		
M4A1 JCAD - FRP - Stryker Communication Adapter <sup>(†)</sup>		2014	Smiths Detection / Edgewood, MD	C / FFP	RDECOM, APG, MD	Jun 2014 <sup>(4)</sup>	Jul 2014	2,713	2.079	Y		
M4A1 JCAD - FRP - M4A1 JCAD - Hardware <sup>(†)</sup>		2013	Smiths Detection / Edgewood, MD	C / FFP	RDECOM, APG, MD	May 2013 <sup>(5)</sup>	Jun 2013	1,562	6.361	Y		
M4A1 JCAD - FRP - M4A1 JCAD - Hardware <sup>(†)</sup>		2014	Smiths Detection / Edgewood, MD	C / FFP	RDECOM, APG, MD	Dec 2013 <sup>(6)</sup>	Feb 2014	5,983	4.479	Y		

<sup>(†)</sup> indicates the presence of a P-21

**Footnotes:**

- <sup>(3)</sup> (Option)
- <sup>(4)</sup> (Option)
- <sup>(5)</sup> (Opt 3)
- <sup>(6)</sup> (Option)





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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1		<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE
		<b>Item Number / Title [DODIC]:</b> JF0100 / JOINT CHEMICAL AGENT DETECTOR (JCAD)

Cost Elements (Units in Each)					Fiscal Year 2015										Fiscal Year 2016																
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015										Calendar Year 2016										B A L				
							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
M4A1 JCAD - FRP - JCAD Communication Adapter																															
	1	2014	CBDP	3,557	2,292	1,265	316	316	316	317																			-		
Secondary Distribution			ARMY	3,557	2,292	1,265	316	316	316	317																			-		
M4A1 JCAD - FRP - Stryker Communication Adapter																															
	2	2014	CBDP	2,713	1,017	1,696	339	339	339	339	340																		-		
Secondary Distribution			ARMY	2,713	1,017	1,696	339	339	339	339	340																		-		
M4A1 JCAD - FRP - M4A1 JCAD - Hardware																															
	3	2013	CBDP	1,562	1,562	-																							-		
Secondary Distribution			ARMY	1,562	1,562	-																							-		
	3	2014	CBDP	5,983	3,504	2,479	619	620	620	620																			-		
Secondary Distribution			ARMY	5,983	3,504	2,479	619	620	620	620																			-		
							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	B A L

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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1		<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE
		<b>Item Number / Title [DODIC]:</b> JF0100 / JOINT CHEMICAL AGENT DETECTOR (JCAD)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Smiths Detection - Edgewood, MD	100	1,800	2,600	-	3	2	5	-	5	6	11
2	Smiths Detection - Edgewood, MD	100	1,800	2,600	-	3	2	5	-	5	6	11
3	Smiths Detection - Edgewood, MD	89	1,800	2,200	-	2	8	10	-	8	3	11

(†) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE	<b>Item Number / Title [DODIC]:</b> MC0100 / JOINT NBC RECONNAISSANCE SYSTEM (JNBCRS)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :						<b>MDAP/MAIS Code:</b>						
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	399.081	-	-	-	-	-	-	-	-	-	-	399.081
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	399.081	-	-	-	-	-	-	-	-	-	-	399.081
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>399.081</b>	-	-	-	-	-	-	-	-	-	-	<b>399.081</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
Prior/Future combined efforts	-	-	329.681	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JNBCRS NBC EQUIPMENT SUITES - NBC Equipment Sensor Suite-CVSS <sup>(†)</sup>	86.000	58	4.988	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JNBCRS NBC EQUIPMENT SUITES - NBC Equipment Sensor Suite-CBMS <sup>(†)</sup>	303.569	58	17.607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JNBCRS NBC EQUIPMENT SUITES - NBC Equipment Sensor Suite-SPG <sup>(†)</sup>	117.636	99	11.646	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JNBCRS NBC EQUIPMENT SUITES - NBC Equipment Sensor Suite-JBPD <sup>(†)</sup>	355.141	99	35.159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>399.081</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE	<b>Item Number / Title [DODIC]:</b> MC0100 / JOINT NBC RECONNAISSANCE SYSTEM (JNBCRS)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Hardware Cost</i>	-	-	399.081	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	399.081	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
Prior/Future combined efforts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	329.681
JNBCRS NBC EQUIPMENT SUITES - NBC Equipment Sensor Suite-CVSS <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.988
JNBCRS NBC EQUIPMENT SUITES - NBC Equipment Sensor Suite-CBMS <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.607
JNBCRS NBC EQUIPMENT SUITES - NBC Equipment Sensor Suite-SPG <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.646
JNBCRS NBC EQUIPMENT SUITES - NBC Equipment Sensor Suite-JBPDS <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.159
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	399.081
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	399.081
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	399.081

**Remarks:**  
Beginning in FY 2015, the JOINT NBC RECONNAISSANCE SYSTEM (JNBCRS) program has been consolidated into CBDP line item (BLIN) SA0001 - SITUATIONAL AWARENESS

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<b>Exhibit P-5, Cost Analysis:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE	<b>Item Number / Title [DODIC]:</b> MC0100 / JOINT NBC RECONNAISSANCE SYSTEM (JNBCRS)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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The Joint Nuclear Biological and Chemical Reconnaissance Systems (JNBCRS), including the Stryker Nuclear Biological and Chemical Reconnaissance Vehicles (NBCRV), NBC equipment suites provide field commanders with point and early warning intelligence for real time field assessment of NBC hazards. The NBC Equipment Suite consists of the Chemical and Biological Mass Spectrometer II (CBMS II), Joint Biological Point Detection System (JBPDS), Chemical Vapor Sampling System (CVSS), Training Aids, Devices and Simulation Systems (TADSS), the Sensor Processing Group and associated initial and pipeline spares. The NBC Equipment Suite performs the vital function of detecting, identifying, collecting, reporting, and marking NBC hazards and toxic industrial chemicals. Prior year funds were used for the Joint Service Light NBC Reconnaissance System in addition to NBC equipment suites for the Stryker NBCRV.

(t) indicates the presence of a P-5a

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2016 Chemical and Biological Defense Program							<b>Date:</b> February 2015				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1			<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE				<b>Item Number / Title [DODIC]:</b> MC0100 / JOINT NBC RECONNAISSANCE SYSTEM (JNBCRS)				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
JNBCRS NBC EQUIPMENT SUITES - NBC Equipment Sensor Suite-CVSS <sup>(†)</sup>		2013	Battelle Memorial Institute / Columbus, OH	C / FFP	Army Contract Agency, APG, MD	Nov 2012 <sup>(7)</sup>	Oct 2013	58	57.052	Y		Apr 2009
JNBCRS NBC EQUIPMENT SUITES - NBC Equipment Sensor Suite-CBMS <sup>(†)</sup>		2013	Hamilton Sundstrand Corp. / Pomona, CA	SS / FFP	Army Contract Agency, APG, MD	Mar 2013 <sup>(8)</sup>	Jan 2014	58	290.655	Y		Feb 2012
JNBCRS NBC EQUIPMENT SUITES - NBC Equipment Sensor Suite-SPG <sup>(†)</sup>		2012	CACI International / Manassas, VA	C / FFP	Army Contract Agency, APG, MD	May 2012	Jan 2013	41	86.561	Y		Oct 2011
JNBCRS NBC EQUIPMENT SUITES - NBC Equipment Sensor Suite-SPG <sup>(†)</sup>		2013	CACI International / Manassas, VA	C / FFP	Army Contract Agency, APG, MD	Nov 2012 <sup>(9)</sup>	Jul 2013	58	139.603	Y		Oct 2011
JNBCRS NBC EQUIPMENT SUITES - NBC Equipment Sensor Suite-JBPDS <sup>(†)</sup>		2012	General Dynamics ATP / Charlotte, NC	C / FFP	Army Contract Agency, APG, MD	Feb 2012 <sup>(10)</sup>	Jan 2013	41	344.976	Y		Feb 2009
JNBCRS NBC EQUIPMENT SUITES - NBC Equipment Sensor Suite-JBPDS <sup>(†)</sup>		2013	Chemring Detection Systems / Charlotte, NC	C / FFP	Army Contract Agency, APG, MD	May 2013 <sup>(11)</sup>	Jan 2014	58	379.569	Y		Feb 2009

<sup>(†)</sup> indicates the presence of a P-21

**Remarks:**  
Regarding JBPDS: Novation by DCMA occurred on 9 AUG 12, recognizing Chemring Detection Systems as successor on all open General Dynamics ATP contracts.

**Footnotes:**  
<sup>(7)</sup> (Option Year)  
<sup>(8)</sup> (Option Year)  
<sup>(9)</sup> (Option Year)  
<sup>(10)</sup> (Option Year)  
<sup>(11)</sup> (Option Year)





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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE	<b>Item Number / Title [DODIC]:</b> MC0100 / JOINT NBC RECONNAISSANCE SYSTEM (JNBCRS)

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2014										Fiscal Year 2015																
O C C	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014										Calendar Year 2015										B A L				
							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
JNBCRS NBC EQUIPMENT SUITES - NBC Equipment Sensor Suite-CVSS																															
	1	2013	CBDP	58	-	58	3	10	10	10	10	10	10	5																-	
Secondary Distribution			ARMY	58	-	58	3	10	10	10	10	10	5																	-	
JNBCRS NBC EQUIPMENT SUITES - NBC Equipment Sensor Suite-CBMS																															
	2	2013	CBDP	58	-	58	-	-	-	8	10	10	10	10	10															-	
Secondary Distribution			ARMY	58	-	58	-	-	-	8	10	10	10	10	10															-	
JNBCRS NBC EQUIPMENT SUITES - NBC Equipment Sensor Suite-SPG																															
	3	2012	CBDP	41	37	4	4																							-	
Secondary Distribution			ARMY	41	37	4	4																							-	
	3	2013	CBDP	58	30	28	10	10	8																					-	
Secondary Distribution			ARMY	58	30	28	10	10	8																					-	
JNBCRS NBC EQUIPMENT SUITES - NBC Equipment Sensor Suite-JBPDS																															
	4	2012	CBDP	41	35	6	6																							-	
Secondary Distribution			ARMY	41	35	6	6																							-	
	5	2013	CBDP	58	-	58	-	-	-	10	10	10	10	10	8															-	
Secondary Distribution			ARMY	58	-	58	-	-	-	10	10	10	10	10	8															-	
							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	B A L

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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1		<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE
		<b>Item Number / Title [DODIC]:</b> MC0100 / JOINT NBC RECONNAISSANCE SYSTEM (JNBCRS)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Battelle Memorial Institute - Columbus, OH	3	8	14	6	1	12	13	4	1	12	13
2	Hamilton Sundstrand Corp. - Pomona, CA	1	6	20	-	8	9	17	4	5	11	16
3	CACI International - Manassas, VA	4	14	30	1	7	9	16	3	1	13	14
4	General Dynamics ATP - Charlotte, NC	2	6	10	12	11	12	23	-	4	12	16
5	Chemring Detection Systems - Charlotte, NC	3	6	10	12	11	12	23	-	7	9	16

**Remarks:**  
Production rates are monthly for all manufacturers

(‡) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.  
"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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**Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program** **Date:** February 2015

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE	<b>Item Number / Title [DODIC]:</b> G47101 / JOINT WARNING & REPORTING NETWORK (JWARN)
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**ID Code** (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	94.015	1.112	-	-	-	-	-	-	-	-	-	95.127
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	94.015	1.112	-	-	-	-	-	-	-	-	-	95.127
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	<b>94.015</b>	<b>1.112</b>	-	-	-	-	-	-	-	-	-	<b>95.127</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Software Cost</b>																		
Recurring Cost																		
Prior/Future combined efforts	-	-	91.369	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JWARN INCR. 1 - Software & Installation (Contractor)	-	-	0.656	-	-	0.289	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>92.025</i>	-	-	<i>0.289</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Software Cost</i>	-	-	<i>92.025</i>	-	-	<i>0.289</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Package Fielding Cost</b>																		
Recurring Cost																		
JWARN INCR. 1 - System Fielding Support (TPF, FDT, NET)	-	-	1.405	-	-	0.556	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>1.405</i>	-	-	<i>0.556</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Package Fielding Cost</i>	-	-	<i>1.405</i>	-	-	<i>0.556</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support Cost</b>																		
JWARN INCR. 1 - Technical Engineering Support	-	-	0.585	-	-	0.267	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support Cost</i>	-	-	<i>0.585</i>	-	-	<i>0.267</i>	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE	<b>Item Number / Title [DODIC]:</b> G47101 / JOINT WARNING & REPORTING NETWORK (JWARN)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Gross/Weapon System Cost	-	-	94.015	-	-	1.112	-	-	-	-	-	-	-	-	-	-	-	-

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Software Cost																		
Recurring Cost																		
Prior/Future combined efforts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91.369
JWARN INCR. 1 - Software & Installation (Contractor)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.945
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92.314
<i>Subtotal: Software Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92.314
Package Fielding Cost																		
Recurring Cost																		
JWARN INCR. 1 - System Fielding Support (TPF, FDT, NET)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.961
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.961
<i>Subtotal: Package Fielding Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.961
Support Cost																		
JWARN INCR. 1 - Technical Engineering Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.852
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.852
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>95.127</b>

**Remarks:**

Beginning in FY 2015, the JOINT WARNING & REPORTING NETWORK (JWARN) program has been consolidated into CBDP line item (BLIN) SA0001 - SITUATIONAL AWARENESS

The Joint Warning and Reporting Network (JWARN) provides the Joint Forces with a comprehensive Early Warning (EW) analysis and response capability to minimize the effects of hostile Chemical, Biological, Radiological, and Nuclear (CBRN) attacks, incidents and accidents. It provides the operational capability to employ CBRN warning technology which will collect, analyze, identify, locate, report, and disseminate

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<b>Exhibit P-5, Cost Analysis:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE	<b>Item Number / Title [DODIC]:</b> G47101 / JOINT WARNING & REPORTING NETWORK (JWARN)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :		<b>MDAP/MAIS Code:</b>
<p>CBRN warnings. JWARN will transition from a Command and Control (C2) platform specific implementation to a Web-based Service Oriented Architecture (SOA) meeting the DoD's evolution to a more comprehensive Common Operating Environment (COE). JWARN Increment 2 will provide an expansion of sensors that will connect to JWARN, increased automation of message handling, improved false alarm filtering, integration of route-planning calculator, and interoperability with additional Command and Control (C2), medical information and evolving Bio-Surveillance systems. JWARN will be located in Command and Control Centers at the appropriate level and will be employed by CBRN defense specialists and other designated personnel to improve the efficiency of limited CBRN personnel assets. This employment will transfer data automatically from existing sensors and to and from the future sensors to provide commanders with the capability to support operational decision making in a CBRN environment. JWARN will integrate existing sensors into a sensor network or host C2 system, but does not provide the sensors that will be employed in the operating environment. JWARN will be compatible and integrated with Joint Services Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) Systems and will operate as a standalone capability in the next increment of development. Activities include: logistical elements, support equipment, manuals and training required to operate and support the system.</p>		

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>										<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1					<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE					<b>Item Number / Title [DODIC]:</b> JN0900 / NON TRADITIONAL AGENT DETECTION (NTA DETECT)			

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :							<b>MDAP/MAIS Code:</b>					
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	12.302	1.121	-	-	-	-	-	-	-	-	-	13.423
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	12.302	1.121	-	-	-	-	-	-	-	-	-	13.423
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>12.302</b>	<b>1.121</b>	-	-	-	-	-	-	-	-	-	<b>13.423</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2014</b>			<b>FY 2015</b>			<b>FY 2016 Base</b>			<b>FY 2016 OCO</b>			<b>FY 2016 Total</b>		
	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)
Support Cost																		
Prior/Future combined efforts	-	-	10.580	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shimadzu Implementation	-	-	0.000	-	-	0.784	-	-	-	-	-	-	-	-	-	-	-	-
Fielding Support	-	-	0.312	-	-	0.196	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Support	-	-	1.410	-	-	0.141	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support Cost</i>	-	-	<i>12.302</i>	-	-	<i>1.121</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>12.302</b>	-	-	<b>1.121</b>	-	-	-	-	-	-	-	-	-	-	-	-

<b>Cost Elements</b>	<b>FY 2017</b>			<b>FY 2018</b>			<b>FY 2019</b>			<b>FY 2020</b>			<b>To Complete</b>			<b>Total Cost</b>		
	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)
Support Cost																		
Prior/Future combined efforts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.580
Shimadzu Implementation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.784
Fielding Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.508
Engineering Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.551

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<b>Exhibit P-5, Cost Analysis:</b> PB 2016 Chemical and Biological Defense Program													<b>Date:</b> February 2015					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1						<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE						<b>Item Number / Title [DODIC]:</b> JN0900 / NON TRADITIONAL AGENT DETECTION (NTA DETECT)						

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :										<b>MDAP/MAIS Code:</b>							
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Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.423
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>13.423</b>

**Remarks:**

The Non-Traditional Agent Detection (NTAD) efforts provide a family of broad spectrum detection systems, through an incremental approach, which will enhance the Warfighter's ability to attain situational awareness and respond to unknown and emerging hazards. The products provide a near term capability to detect emerging threat materials in addition to affording a common core technology which can be exploited to serve a broad spectrum detection system for lab deployable, fixed site, and handheld applications.

Justification:

RDT&E Code B Item: 0604384BP/Proj CA5

CA5/NTA DETECT: RDT&E FY14 and Prior - 55.930M

DEVELOPMENT/TEST STATUS AND MAJOR MILESTONES

NTA DETECT - COTS/GOTS Capability Shortfall Closure (Sep 2011 to Jun 2013)

NTA DETECT - Field Deployable Mass Spec DT/OA (Dec 2011 to Mar 2012)

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>										<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1					<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE					<b>Item Number / Title [DODIC]:</b> JS5230 / SOFTWARE SUPPORT ACTIVITY (SSA)			

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :							<b>MDAP/MAIS Code:</b>					
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	2.200	0.100	-	-	-	-	-	-	-	-	-	2.300
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	2.200	0.100	-	-	-	-	-	-	-	-	-	2.300
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	<b>2.200</b>	<b>0.100</b>	-	-	-	-	-	-	-	-	-	<b>2.300</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Support Cost																		
Prior/Future combined efforts	-	-	2.200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSA - System Fielding Support (TFP, NET)	-	-	0.000	-	-	0.100	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support Cost</i>	-	-	<i>2.200</i>	-	-	<i>0.100</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>2.200</b>	-	-	<b>0.100</b>	-	-	-	-	-	-	-	-	-	-	-	-

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Support Cost																		
Prior/Future combined efforts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.200
SSA - System Fielding Support (TFP, NET)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.100
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<i>2.300</i>
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>2.300</b>



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<b>Exhibit P-5, Cost Analysis:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> GP2000 / CONTAMINATION AVOIDANCE	<b>Item Number / Title [DODIC]:</b> JS5230 / SOFTWARE SUPPORT ACTIVITY (SSA)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :		<b>MDAP/MAIS Code:</b>
<p><b>Remarks:</b> Beginning in FY 2015, the SOFTWARE SUPPORT ACTIVITY (SSA) program has been consolidated into CBDP line item (BLIN) SA0001 - SITUATIONAL AWARENESS</p> <p>The JPEO-CBD SSA is a JPEO-CBD user developmental support and service organization supporting all JPMs and JPEO-CBD Directorates by providing enterprise-wide services to facilitate net-centric interoperability of systems in acquisition for the Warfighter. The SSA provides the CBRND Warfighter with Joint Service solutions for Integrated Architectures, Data Management/Modeling, Information Assurance, Interoperability Certifications, Verification, Validation and Accreditation (VV&amp;A) to support interoperable and integrated net-centric, service-oriented solutions for CBRND systems. The SSA emphasizes development of reference implementations to guide Government and industry system and software developers to ensure that their products meet common interoperability standards.</p> <p>The latest technologies/products include the definition of a Common CBRN Sensor Integration Standard (CCSI) and the CBRN Data Model. These technologies and direct enablers for the development of CBRN integrated sensor networks and the dissemination of CBRN information across all users.</p> <p>The SSA directly supports CBDP Bio-Surveillance initiatives in providing common service oriented architecture and framework for the collection and dissemination of Bio-Surveillance information.</p>		

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**Exhibit P-40, Budget Line Item Justification:** PB 2016 Chemical and Biological Defense Program **Date:** February 2015

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 03: Chemical/Biological Defense / BSA 1: CBDP	<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS
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Resource Summary	Prior Years	Program Elements for Code B Items:					Other Related Program Elements:					
		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	-	194.499	141.223	-	141.223	152.989	189.899	313.701	321.189	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	-	194.499	141.223	-	141.223	152.989	189.899	313.701	321.189	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>-</b>	<b>194.499</b>	<b>141.223</b>	<b>-</b>	<b>141.223</b>	<b>152.989</b>	<b>189.899</b>	<b>313.701</b>	<b>321.189</b>	<b>Continuing</b>	<b>Continuing</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Beginning in FY15, the Chemical Biological Situational Awareness (CB SA) Budget Line Item (BLIN) facilitates a family-of-systems approach across the domains providing situational awareness capabilities to the Joint Force through a consolidated CB SA portfolio that comprises efforts across contamination avoidance, special purpose units, homeland defense, diagnostics, and CB surveillance. Efforts previously captured under the Contamination Avoidance (GP2000), Installation Force Protection (JS1000), and diagnostics and biosurveillance efforts under the Joint Bio Defense Program (Medical) (MA0800) BLINs are now consolidated in this BLIN.

Specific situational awareness efforts provided include detection, warning and reporting, reconnaissance systems, field analytics systems, diagnostics equipment and special purpose unit equipment.

Efforts in the area of chemical, biological and radiological detection include; (1) 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; (2) 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 the MK26 Mod 0 Improved (chemical agent) Point Detection System (IPDS) provides automatic point detection, classification, and warning when there are chemical warfare vapors external to the ship; and IPDS is an Ion Mobility Spectroscopy (IMS) based chemical point detection system with algorithm library and embedded data processing that automatically detects and alarms to nerve and blister vapor at low concentrations and has the capability of rejecting common shipboard interferents; (3) The Non-Traditional Agent Detection (NTAD) Program will evaluate and test developmental technologies to enhance detection systems' capability to detect NTAs.

Efforts in the warning, reporting and reconnaissance area include; (1) Joint Warning and Reporting Network (JWARN) provides a fully automated NBC detection and warning process throughout the battle space; (2) Software Support Activity (SSA) is a user development system providing enterprise-wide services and coordination to facilitate net-centric interoperability; (3) 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 which includes support of the Stryker Nuclear Biological and Chemical Reconnaissance Vehicles (NBCRV); and (4) CBRN Dismounted Reconnaissance Systems (CBRN DRS) provides mission critical reconnaissance platoon dismounted capabilities for detection, presumptive identification, sample collection, marking and immediate reporting of standard NBC hazards, to include hazardous industrial materials; (5) The Next Generation Diagnostic System (NGDS) program is a DoD effort to develop and field a common medical test equipment and diagnostic platform among all Military Services. A multi-incremental configuration, evolutionary development and fielding approach is proposed which will provide expanded capability for an early warning tool of health threats, early detection of health events, and overall situational awareness. NGDS will identify both BW agents and pathogens of operational concern (Increment 1). (6) The Critical Reagents Program (CRP) integrates and consolidates all DoD reagents/antibodies/DNA biological detection requirements. (7) Biosurveillance (BSV) requirements address medical and physical CBRN mission needs for the Joint Biosurveillance Common Framework (JBCF), which will provide a single enterprise environment that supports collaboration, data sharing and coordination between multiple BSV stakeholders.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 03: Chemical/Biological Defense / BSA 1: CBDP		<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
<p>Efforts in field analytics, homeland defense, and special purpose units include; (1) an integrated chemical, biological, nuclear and explosive (CBRNE) rapid response capability for the National Guard Bureaus (NGB) Weapons of Mass Destruction - Combat Support Teams (WMD-CST) and Special Purpose Units to address legacy requirements gaps/deficiencies for WMD-CST's and SPU-CBE's where they exist through the streamlined acquisition of COTS/government-off-the-shelf (GOTS) capability upgrades that incorporate proven advancements in technology to satisfy mission performance standards. (2) The Common Analytical Laboratory System (CALs), which will be modular, scalable and adaptable to a variety of concept of operations (CONOPS) and environmental conditions. Currently, fielded systems have been designed independently by various agencies with the intent of meeting specific units requirements. As a result, multiple mobile lab configurations exist with differing sustainment tails and lacking in commonality. CALs will incorporate an open architecture that can accommodate quick installation or removal of equipment as mission requirements dictate. As well, it will provide the ability to rapidly develop a common operating picture allowing first responders and DoD officials to determine the appropriate course of action.</p>		

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**Exhibit P-40, Budget Line Item Justification: PB 2016 Chemical and Biological Defense Program** **Date:** February 2015

**Appropriation / Budget Activity / Budget Sub Activity:** 0300D: Procurement, Defense-Wide / BA 03: Chemical/Biological Defense / BSA 1: CBDP **P-1 Line Item Number / Title:** SA0001 / SITUATIONAL AWARENESS

**ID Code** (A=Service Ready, B=Not Service Ready) : B **Program Elements for Code B Items:** **Other Related Program Elements:**

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
JX0301 / BIOSURVEILLANCE PORTAL (BSP)	P-5		- / 0.000	- / -	- / -	- / 1.620	- / -	- / 1.620
MC0101 / CBRN DISMOUNTED RECONNAISSANCE SYSTEMS (CBRN DRS)	P-5, P-5a, P-21	A	- / 0.000	- / -	- / 123.694	- / 108.704	- / -	- / 108.704
JX0210 / CRITICAL REAGENTS PROGRAM (CRP)	P-5		- / 0.000	- / -	- / 2.564	- / 1.005	- / -	- / 1.005
JX0302 / GLOBAL BIO TECH INITIATIVE (GBTI)	P-5, P-5a, P-21		- / 0.000	- / -	- / -	- / 3.675	- / -	- / 3.675
JF0100 / Joint Chemical Agent Detector (JCAD) (Force Protection)	P-3a		- / -	- / -	- / 4.426	- / 4.366	- / -	- / 4.366
JF0100 / JOINT CHEMICAL AGENT DETECTOR (JCAD)	P-5, P-5a, P-21		- / 0.000	- / -	- / 32.498	- / 3.468	- / -	- / 3.468
JC0208 / JOINT EFFECTS MODEL (JEM)	P-5		- / 0.000	- / -	- / 1.141	- / 3.316	- / -	- / 3.316
MC0100 / JOINT NBC RECONNAISSANCE SYSTEM (JNBCRS)	P-5		- / 0.000	- / -	- / 3.600	- / 3.600	- / -	- / 3.600
G47101 / JOINT WARNING & REPORTING NETWORK (JWARN)	P-5		- / 0.000	- / -	- / 0.766	- / -	- / -	- / -
JF0104 / NEXT GEN CHEMICAL DETECTOR (NGCD)	P-5, P-5a, P-21		- / 0.000	- / -	- / -	- / 1.000	- / -	- / 1.000
JM8788 / NEXT GENERATION DIAGNOSTICS SYSTEM (NGDS)	P-5		- / 0.000	- / -	- / 12.518	- / 5.300	- / -	- / 5.300
JS5230 / SOFTWARE SUPPORT ACTIVITY (SSA)	P-5		- / 0.000	- / -	- / -	- / 0.100	- / -	- / 0.100
JS0004 / WMD - CIVIL SUPPORT TEAMS (WMD CST)	P-5, P-5a, P-21		- / 0.000	- / -	- / 13.292	- / 5.069	- / -	- / 5.069
<b>Total Gross/Weapon System Cost</b>			<b>- / 0.000</b>	<b>- / -</b>	<b>- / 194.499</b>	<b>- / 141.223</b>	<b>- / -</b>	<b>- / 141.223</b>

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
JX0301 / BIOSURVEILLANCE PORTAL (BSP)	P-5		- / 1.220	- / 1.220	- / 1.220	- / 1.220	- / -	- / 6.500
MC0101 / CBRN DISMOUNTED RECONNAISSANCE SYSTEMS (CBRN DRS)	P-5, P-5a, P-21	A	- / 97.789	- / 102.288	- / 134.343	- / 151.179	Continuing	Continuing
JX0210 / CRITICAL REAGENTS PROGRAM (CRP)	P-5		- / 1.005	- / 1.005	- / 1.005	- / 1.005	- / -	- / 7.589
JX0302 / GLOBAL BIO TECH INITIATIVE (GBTI)	P-5, P-5a, P-21		- / 2.100	- / 2.100	- / 6.090	- / 2.100	- / -	- / 16.065
JF0100 / Joint Chemical Agent Detector (JCAD) (Force Protection)	P-3a		- / 4.240	- / -	- / -	- / -	- / -	- / 13.032
JF0100 / JOINT CHEMICAL AGENT DETECTOR (JCAD)	P-5, P-5a, P-21		- / 3.307	- / -	- / -	- / -	- / -	- / 39.273
JC0208 / JOINT EFFECTS MODEL (JEM)	P-5		- / 5.069	- / 3.086	- / 3.031	- / 2.728	Continuing	Continuing
MC0100 / JOINT NBC RECONNAISSANCE SYSTEM (JNBCRS)	P-5		- / 3.600	- / 3.600	- / -	- / -	- / -	- / 14.400
G47101 / JOINT WARNING & REPORTING NETWORK (JWARN)	P-5		- / 4.589	- / 1.522	- / 0.533	- / 0.479	- / -	- / 7.889
JF0104 / NEXT GEN CHEMICAL DETECTOR (NGCD)	P-5, P-5a, P-21		- / 2.378	- / 1.000	- / 17.208	- / 17.204	Continuing	Continuing
JM8788 / NEXT GENERATION DIAGNOSTICS SYSTEM (NGDS)	P-5		- / 9.798	- / 15.412	- / 16.014	- / 11.900	- / -	- / 70.942
JS5230 / SOFTWARE SUPPORT ACTIVITY (SSA)	P-5		- / 0.100	- / 0.100	- / 0.100	- / 0.090	Continuing	Continuing
JS0004 / WMD - CIVIL SUPPORT TEAMS (WMD CST)	P-5, P-5a, P-21		- / -	- / -	- / -	- / -	- / -	- / 18.361
<b>Total Gross/Weapon System Cost</b>			<b>- / 152.989</b>	<b>- / 189.899</b>	<b>- / 313.701</b>	<b>- / 321.189</b>	<b>Continuing</b>	<b>Continuing</b>

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

**Justification:**

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 03: Chemical/Biological Defense / BSA 1: CBDP		<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
<p>Situational Awareness is a primary objective of the Chemical Biological 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 and the homeland. Warning, reporting, and reconnaissance efforts 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. Additionally, efforts in this BLIN support Special Purpose Unit operations and the National Guard Bureau WMD-CSTs.</p>		

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS	<b>Item Number / Title [DODIC]:</b> JX0301 / BIOSURVEILLANCE PORTAL (BSP)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	0.000	-	-	1.620	-	1.620	1.220	1.220	1.220	1.220	-	6.500
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	-	-	1.620	-	1.620	1.220	1.220	1.220	1.220	-	6.500
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	<b>0.000</b>	-	-	<b>1.620</b>	-	<b>1.620</b>	<b>1.220</b>	<b>1.220</b>	<b>1.220</b>	<b>1.220</b>	-	<b>6.500</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Software Cost</b>																		
Recurring Cost																		
Prior/Future combined efforts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Software and Installation	-	-	0.000	-	-	-	-	-	-	-	-	0.398	-	-	-	-	-	0.398
<i>Subtotal: Recurring Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	-	-	-	<i>0.398</i>	-	-	-	-	-	<i>0.398</i>
<i>Subtotal: Software Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	-	-	-	<i>0.398</i>	-	-	-	-	-	<i>0.398</i>
<b>Package Fielding Cost</b>																		
Recurring Cost																		
System Fielding Support (TPF, FDT, NET)	-	-	0.000	-	-	-	-	-	-	-	-	0.813	-	-	-	-	-	0.813
<i>Subtotal: Recurring Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	-	-	-	<i>0.813</i>	-	-	-	-	-	<i>0.813</i>
<i>Subtotal: Package Fielding Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	-	-	-	<i>0.813</i>	-	-	-	-	-	<i>0.813</i>
<b>Support Cost</b>																		
Technical Engineering Support	-	-	0.000	-	-	-	-	-	-	-	-	0.409	-	-	-	-	-	0.409
<i>Subtotal: Support Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	-	-	-	<i>0.409</i>	-	-	-	-	-	<i>0.409</i>
<b>Gross/Weapon System Cost</b>	-	-	<b>0.000</b>	-	-	-	-	-	-	-	-	<b>1.620</b>	-	-	-	-	-	<b>1.620</b>

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>													<b>Date:</b> February 2015				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1						<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS						<b>Item Number / Title [DODIC]:</b> JX0301 / BIOSURVEILLANCE PORTAL (BSP)					

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :										<b>MDAP/MAIS Code:</b>							
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Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Software Cost																		
Recurring Cost																		
Prior/Future combined efforts	-	-	1.220	-	-	1.220	-	-	1.220	-	-	1.220	-	-	-	-	-	4.880
Software and Installation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.398
<i>Subtotal: Recurring Cost</i>	-	-	1.220	-	-	1.220	-	-	1.220	-	-	1.220	-	-	-	-	-	5.278
<i>Subtotal: Software Cost</i>	-	-	1.220	-	-	1.220	-	-	1.220	-	-	1.220	-	-	-	-	-	5.278
Package Fielding Cost																		
Recurring Cost																		
System Fielding Support (TPF, FDT, NET)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.813
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.813
<i>Subtotal: Package Fielding Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.813
Support Cost																		
Technical Engineering Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.409
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.409
<b>Gross/Weapon System Cost</b>	-	-	1.220	-	-	1.220	-	-	1.220	-	-	1.220	-	-	-	-	-	6.500

**Remarks:**

The Biosurveillance Portal (BSP) is a web-based enterprise environment that will facilitate collaboration, communication, and information sharing in support of the detection, management, and mitigation of man-made and naturally occurring biological events. BSP bridges the communication gaps in the Biosurveillance domain to provide a central access point for Biosurveillance information and situational awareness for DoD, interagency and allied partners supporting the early identification and response to biological events.

BSP provides an integrated suite of web-based components designed to support public health officers, environmental officers, clinicians, physicians, and CBRN personnel as they maintain their situational awareness of local, regional, and global biological threats to the force. BSP does not duplicate existing DoD capabilities, but rather leverages existing tools and technologies to provide users across multiple organizations and disciplines with a centralized "one-stop shop" for all of their Biosurveillance resources.

Justification: FY16 funding provides for Total Package Fielding (TPF) and New Equipment Training (NET).



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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS	<b>Item Number / Title [DODIC]:</b> MC0101 / CBRN DISMOUNTED RECONNAISSANCE SYSTEMS (CBRN DRS)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A						<b>MDAP/MAIS Code:</b>						
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	-	123.694	108.704	-	108.704	97.789	102.288	134.343	151.179	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	0.000	-	123.694	108.704	-	108.704	97.789	102.288	134.343	151.179	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>0.000</b>	<b>-</b>	<b>123.694</b>	<b>108.704</b>	<b>-</b>	<b>108.704</b>	<b>97.789</b>	<b>102.288</b>	<b>134.343</b>	<b>151.179</b>	<b>Continuing</b>	<b>Continuing</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
Prior/Future combined efforts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CBRN DRS - DR SKO Army Configuration <sup>(†)</sup>	-	-	0.000	-	-	-	1,086.650	60	65.199	1,119.370	54	60.446	-	-	-	1,119.370	54	60.446
CBRN DRS - DR SKO Army Configuration Civil Support Team (CST) <sup>(†)</sup>	-	-	0.000	-	-	-	592.280	25	14.807	610.056	18	10.981	-	-	-	610.056	18	10.981
CBRN DRS - DR SKO Marine Corps Configuration <sup>(†)</sup>	-	-	0.000	-	-	-	-	-	-	1,613.667	6	9.682	-	-	-	1,613.667	6	9.682
DR SKO Initial Spares	-	-	0.000	-	-	-	-	-	18.416	-	-	6.995	-	-	-	-	-	6.995
Schoolhouse Training Package	-	-	0.000	-	-	-	-	-	2.600	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>101.022</i>	-	-	<i>88.104</i>	-	-	-	-	-	<i>88.104</i>
<i>Subtotal: Hardware Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>101.022</i>	-	-	<i>88.104</i>	-	-	-	-	-	<i>88.104</i>
Support Cost																		
Fielding Support	-	-	0.000	-	-	-	-	-	6.250	-	-	6.008	-	-	-	-	-	6.008
Engineering Support	-	-	0.000	-	-	-	-	-	3.005	-	-	2.622	-	-	-	-	-	2.622

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS	<b>Item Number / Title [DODIC]:</b> MC0101 / CBRN DISMOUNTED RECONNAISSANCE SYSTEMS (CBRN DRS)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>MDAP/MAIS Code:</b>
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
DR SKO Contractor Logistics Support	-	-	0.000	-	-	-	-	-	13.417	-	-	11.970	-	-	-	-	-	11.970
<i>Subtotal: Support Cost</i>	-	-	0.000	-	-	-	-	-	22.672	-	-	20.600	-	-	-	-	-	20.600
<b>Gross/Weapon System Cost</b>	-	-	<b>0.000</b>	-	-	-	-	-	<b>123.694</b>	-	-	<b>108.704</b>	-	-	-	-	-	<b>108.704</b>

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
Prior/Future combined efforts	-	-	97.789	-	-	102.288	-	-	134.343	-	-	151.179	Continuing			Continuing		
CBRN DRS - DR SKO Army Configuration <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CBRN DRS - DR SKO Army Configuration Civil Support Team (CST) <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CBRN DRS - DR SKO Marine Corps Configuration <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DR SKO Initial Spares	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Schoolhouse Training Package	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	97.789	-	-	102.288	-	-	134.343	-	-	151.179	Continuing			Continuing		
<i>Subtotal: Hardware Cost</i>	-	-	97.789	-	-	102.288	-	-	134.343	-	-	151.179	Continuing			Continuing		
<b>Support Cost</b>																		
Fielding Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DR SKO Contractor Logistics Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>97.789</b>	-	-	<b>102.288</b>	-	-	<b>134.343</b>	-	-	<b>151.179</b>	<b>Continuing</b>			<b>Continuing</b>		

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<b>Exhibit P-5, Cost Analysis:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS	<b>Item Number / Title [DODIC]:</b> MC0101 / CBRN DISMOUNTED RECONNAISSANCE SYSTEMS (CBRN DRS)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A		<b>MDAP/MAIS Code:</b>
<p><b>Remarks:</b> Prior to FY 2015, the CBRN DISMOUNTED RECONNAISSANCE SYSTEMS (CBRN DRS) program was reported under CBDP line item (BLIN) GP2000 - CONTAMINATION AVOIDANCE</p> <p>The CBRN Dismounted Reconnaissance Systems (CBRN DRS) consists of portable, commercial and government off-the-shelf equipment which provides personnel protection from current and emerging CBRN hazards through detection, identification, sample collection, decontamination, marking, and hazard reporting for CBRN threats. The system supports Dismounted Reconnaissance, Surveillance, and CBRN Site Assessment missions which enables more detailed and near real-time CBRN information flow for the Warfighter. In addition the CBRN DRS consists of commercial and government off-the-shelf equipment which will enhance current Civil Support Team (CST) capability to address emerging threats in a domestic incident.</p> <p>Justification: FY16 funds procure and field 69 Dismounted Reconnaissance Sets, Kits, and Outfits (DR SKO).</p> <p>RDT&amp;E Code B Item: 0607384BP/Proj CA7</p> <p>CA7/CBRN DRS: RDT&amp;E ; FY15 - 0.491M; FY16 - 4.837M; FY17 - 4.854M; FY18 - 4.817M; FY19 - 4.870M; FY20 - 4.986M; FY21 - 4.346M</p> <p>DEVELOPMENT/TEST STATUS AND MAJOR MILESTONES</p> <p>CBRN DRS - Milestone (MS) B: Mar 2011  CBRN DRS - Milestone (MS) C LRIP: Mar 2013  CBRN DRS - Production Qualification Test (Mar 2013 to Jul 2013)  CBRN DRS - MOT&amp;E (Aug 2013 to Nov 2013)  CBRN DRS - FRP/Deployment (Mar 2014 to Sep 2022)  CBRN DRS - First Article Test (PBA Only): Mar 2015  CBRN DRS - IOC - Navy: Sep 2014  CBRN DRS - IOC - Army: Jun 2015  CBRN DRS - IOC - USMC: Jun 2016  CBRN DRS - IOC-Air Force: Jun 2019</p> <p>(t) indicates the presence of a P-5a</p>		

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2016 Chemical and Biological Defense Program							<b>Date:</b> February 2015					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1			<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS				<b>Item Number / Title [DODIC]:</b> MC0101 / CBRN DISMOUNTED RECONNAISSANCE SYSTEMS (CBRN DRS)					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
CBRN DRS - DR SKO Army Configuration <sup>(†)</sup>		2015	FLIR Systems Inc. / Elkridge, MD	C / FFP	RDECOM, Edgewood, MD	Jan 2015 <sup>(1)</sup>	May 2015	60	1,086.650	Y		Jan 2013
CBRN DRS - DR SKO Army Configuration <sup>(†)</sup>		2016	FLIR Systems Inc. / Elkridge, MD	C / CPFF	RDECOM, Edgewood, MD	Jan 2016 <sup>(2)</sup>	Apr 2016	54	1,119.370	Y		
CBRN DRS - DR SKO Army Configuration Civil Support Team (CST) <sup>(†)</sup>		2015	Pine Bluff Arsenal / Pine Bluff, AR	MIPR	Pine Bluff Arsenal, Pine Bluff, AR	Nov 2014	Mar 2015	25	592.280	Y		
CBRN DRS - DR SKO Army Configuration Civil Support Team (CST) <sup>(†)</sup>		2016	Pine Bluff Arsenal / Pine Bluff, AR	MIPR	Pine Bluff Arsenal, Pine Bluff, AR	Jan 2016	Apr 2016	18	610.056	Y		
CBRN DRS - DR SKO Marine Corps Configuration <sup>(†)</sup>		2016	FLIR Systems Inc. / Elkridge, MD	C / FFP	RDECOM, Edgewood, MD	Jan 2016 <sup>(3)</sup>	Apr 2016	6	1,613.667	Y		

<sup>(†)</sup> indicates the presence of a P-21

**Footnotes:**

- <sup>(1)</sup> (Option)
- <sup>(2)</sup> (Option)
- <sup>(3)</sup> (Option)



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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1		<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS
		<b>Item Number / Title [DODIC]:</b> MC0101 / CBRN DISMOUNTED RECONNAISSANCE SYSTEMS (CBRN DRS)

Cost Elements (Units in Each)						Fiscal Year 2017												Fiscal Year 2018													
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017												Calendar Year 2018												B A L
							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	
CBRN DRS - DR SKO Army Configuration																															
	1	2015	CBDP	60	60	-																									
Secondary Distribution			ARMY	60	60	-																									
	1	2016	CBDP	54	29	25	5	5	5	5	5																				
Secondary Distribution			ARMY	54	29	25	5	5	5	5	5																				
CBRN DRS - DR SKO Army Configuration Civil Support Team (CST)																															
	2	2015	CBDP	25	25	-																									
Secondary Distribution			ARMY	25	25	-																									
	2	2016	CBDP	18	12	6	2	2	2																						
Secondary Distribution			ARMY	18	12	6	2	2	2																						
CBRN DRS - DR SKO Marine Corps Configuration																															
	3	2016	CBDP	6	6	-																									
Secondary Distribution			MC	6	6	-																									
							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	B A L

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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1		<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS
		<b>Item Number / Title [DODIC]:</b> MC0101 / CBRN DISMOUNTED RECONNAISSANCE SYSTEMS (CBRN DRS)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	FLIR Systems Inc. - Elkridge, MD	1	6	20	3	4	3	7	6	-	3	3
2	Pine Bluff Arsenal - Pine Bluff, AR	1	6	20	-	3	1	4	-	3	4	7
3	FLIR Systems Inc. - Elkridge, MD	1	6	20	3	4	3	7	6	-	3	3

(†) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>										<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1					<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS					<b>Item Number / Title [DODIC]:</b> JX0210 / CRITICAL REAGENTS PROGRAM (CRP)			

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :							<b>MDAP/MAIS Code:</b>					
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	-	2.564	1.005	-	1.005	1.005	1.005	1.005	1.005	-	7.589
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	0.000	-	2.564	1.005	-	1.005	1.005	1.005	1.005	1.005	-	7.589
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>0.000</b>	-	<b>2.564</b>	<b>1.005</b>	-	<b>1.005</b>	<b>1.005</b>	<b>1.005</b>	<b>1.005</b>	<b>1.005</b>	-	<b>7.589</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Hardware Cost</b>																		
Recurring Cost																		
Prior/Future combined efforts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTIBODIES - Ebola Title X Funds	-	-	0.000	-	-	-	-	-	1.553	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>1.553</i>	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>1.553</i>	-	-	-	-	-	-	-	-	-
<b>Support Cost</b>																		
Repository Equipment, Maintenance, and Service Contracts	-	-	0.000	-	-	-	-	-	0.815	-	-	0.815	-	-	-	-	-	0.815
Quality Assurance/Quality Control Support	-	-	0.000	-	-	-	-	-	0.176	-	-	0.170	-	-	-	-	-	0.170
Inventory and Customer Management Database	-	-	0.000	-	-	-	-	-	0.020	-	-	0.020	-	-	-	-	-	0.020
<i>Subtotal: Support Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>1.011</i>	-	-	<i>1.005</i>	-	-	-	-	-	<i>1.005</i>
<b>Gross/Weapon System Cost</b>	-	-	<b>0.000</b>	-	-	-	-	-	<b>2.564</b>	-	-	<b>1.005</b>	-	-	-	-	-	<b>1.005</b>



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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>													<b>Date:</b> February 2015					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1						<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS						<b>Item Number / Title [DODIC]:</b> JX0210 / CRITICAL REAGENTS PROGRAM (CRP)						
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :										<b>MDAP/MAIS Code:</b>								
Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
Prior/Future combined efforts	-	-	1.005	-	-	1.005	-	-	1.005	-	-	1.005	-	-	-	-	-	4.020
ANTIBODIES - Ebola Title X Funds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.553
<i>Subtotal: Recurring Cost</i>	-	-	1.005	-	-	1.005	-	-	1.005	-	-	1.005	-	-	-	-	-	5.573
<i>Subtotal: Hardware Cost</i>	-	-	1.005	-	-	1.005	-	-	1.005	-	-	1.005	-	-	-	-	-	5.573
Support Cost																		
Repository Equipment, Maintenance, and Service Contracts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.630
Quality Assurance/Quality Control Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.346
Inventory and Customer Management Database	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.040
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.016
<b>Gross/Weapon System Cost</b>	-	-	<b>1.005</b>	-	-	<b>1.005</b>	-	-	<b>1.005</b>	-	-	<b>1.005</b>	-	-	-	-	-	<b>7.589</b>
<b>Remarks:</b> In order to detect anthrax spores (antigen), a critical reagent (genomics material) may be needed for use in a detection platform (e.g. Joint Biological Agent and Identification Systems). Multiple medical and nonmedical 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) biological threat reagents/antibodies detection requirements from System Development and Demonstration (SDD) through production. The CRP will ensure the availability of high quality reagents and detection assays (LFI, PCR, ECL) throughout the life cycle of all systems managed to include: Biological Integrated Detection System (BIDS), Joint Biological Point Detection System (JBPDS), Joint Biological Tactical Detection System (JBTDS), Whole System Live Agent Testing (WSLAT), Joint Chemical Biological Radiological Water Monitor (JCBRAWM), Joint Portal Shield (JPS), Analytical Laboratory System (ALS), Common Analytical Laboratory Suite (CALS), National Guard Bureau (NGB) Civil Support Teams (CST), Pentagon Force Protection Agency (PFPA), Department of Homeland Security (DHS), US Department of Agriculture (USDA), Food and Drug Administration (FDA), National Institute of Allergy and Infectious Disease (NIAID), Federal Emergency Management Agency (FEMA), and US Capitol Police. 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 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 also responsible for managing the production, storage and validation of Hand Held Immunochromatographic Assays (HHAs), polymerase chain reaction (PCR) genomic assays, electrochemiluminescence (ECL) immunoassays, antibodies, and select biological threat agents and genomic reference materials. The CRP's PCR assays have been used in the DoD's response effort to the Ebola epidemic in West Africa that began in early 2014. Deployed laboratories from US Army Medical Research Institute of Infectious Diseases (USAMRIID), the Naval Medical Research Center's (NMRC) Biological Defense Research Directorate's (BDRD) Mobile Labs and the 1st AML, as well as interagency partners such as the National Institutes of Health (NIH) National Institute of Allergies and Infectious Disease (NIAID), have all used CRP PCR assays to detect Ebola virus during their response missions in West Africa.																		
Note: Antibodies, assays, and reference materials are ordered using outside source funding (DoD and other Government agencies).																		

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<b>Exhibit P-5, Cost Analysis:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS	<b>Item Number / Title [DODIC]:</b> JX0210 / CRITICAL REAGENTS PROGRAM (CRP)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :		<b>MDAP/MAIS Code:</b>
<p>Justification: The CRP is responsible for managing the production, storage, distribution and validation of Hand Held Immunochromatographic Assays (HHA), polymerase chain reaction (PCR) genomic assays, electrochemiluminescence (ECL) immunoassays, antibodies, and select biological threat agent and genomic reference materials.</p> <p>Note: Antibodies, assays, and reference materials are ordered using outside source funding (DoD and other Government agencies).</p> <p>Justification: The CRP is responsible for managing the production, storage, distribution and validation of Hand Held Immunochromatographic Assays (HHA), polymerase chain reaction (PCR) genomic assays, electrochemiluminescence (ECL) immunoassays, antibodies, and select biological threat agent and genomic reference materials.</p>		

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>										<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1				<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS						<b>Item Number / Title [DODIC]:</b> JX0302 / GLOBAL BIO TECH INITIATIVE (GBTI)			

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :							<b>MDAP/MAIS Code:</b>					
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	-	-	3.675	-	3.675	2.100	2.100	6.090	2.100	-	16.065
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	0.000	-	-	3.675	-	3.675	2.100	2.100	6.090	2.100	-	16.065
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>0.000</b>	-	-	<b>3.675</b>	-	<b>3.675</b>	<b>2.100</b>	<b>2.100</b>	<b>6.090</b>	<b>2.100</b>	-	<b>16.065</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2014</b>			<b>FY 2015</b>			<b>FY 2016 Base</b>			<b>FY 2016 OCO</b>			<b>FY 2016 Total</b>		
	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)
<b>Hardware Cost</b>																		
<b>Non Recurring Cost</b>																		
Prior/Future combined efforts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GBTI Assays and Reagents <sup>(†)</sup>	-	-	0.000	-	-	-	-	-	-	600.000	2	1.200	-	-	-	600.000	2	1.200
GBTI Equipment Sets <sup>(†)</sup>	-	-	0.000	-	-	-	-	-	-	316.667	6	1.900	-	-	-	316.667	6	1.900
<i>Subtotal: Non Recurring Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	-	-	-	<i>3.100</i>	-	-	-	-	-	<i>3.100</i>
<i>Subtotal: Hardware Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	-	-	-	<i>3.100</i>	-	-	-	-	-	<i>3.100</i>
<b>Support Cost</b>																		
GBTI PM Support	-	-	0.000	-	-	-	-	-	-	-	-	0.575	-	-	-	-	-	0.575
<i>Subtotal: Support Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	-	-	-	<i>0.575</i>	-	-	-	-	-	<i>0.575</i>
<b>Gross/Weapon System Cost</b>	-	-	<b>0.000</b>	-	-	-	-	-	-	-	-	<b>3.675</b>	-	-	-	-	-	<b>3.675</b>

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>													<b>Date:</b> February 2015					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1						<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS						<b>Item Number / Title [DODIC]:</b> JX0302 / GLOBAL BIO TECH INITIATIVE (GBTI)						

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :										<b>MDAP/MAIS Code:</b>							
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Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Non Recurring Cost																		
Prior/Future combined efforts	-	-	2.100	-	-	2.100	-	-	6.090	-	-	2.100	-	-	-	-	-	12.390
GBTI Assays and Reagents <sup>(t)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.200
GBTI Equipment Sets <sup>(t)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.900
<i>Subtotal: Non Recurring Cost</i>	-	-	2.100	-	-	2.100	-	-	6.090	-	-	2.100	-	-	-	-	-	15.490
<i>Subtotal: Hardware Cost</i>	-	-	2.100	-	-	2.100	-	-	6.090	-	-	2.100	-	-	-	-	-	15.490
Support Cost																		
GBTI PM Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.575
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.575
<b>Gross/Weapon System Cost</b>	-	-	2.100	-	-	2.100	-	-	6.090	-	-	2.100	-	-	-	-	-	16.065

**Remarks:**

Global Biosurveillance Technology Initiatives (GBTI) will develop a globally-distributed, fully integrated and networked, state-of-the-art analytical capability for biological threats that will enable the compression of the discovery-to-decision timeframe and provide awareness and understanding of the baseline biological threat footprint. Under this approach capability is developed and fielded based on current technologies and user needs. GBTI will make maximum use of commercial off-the-shelf (COTS) and government off-the-shelf (GOTS) technology.

Justification: FY16 funds will procure 2 GBTI assays and reagents and 6 GBTI equipment sets.

(t) indicates the presence of a P-5a

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2016 Chemical and Biological Defense Program							<b>Date:</b> February 2015					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1			<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS				<b>Item Number / Title [DODIC]:</b> JX0302 / GLOBAL BIO TECH INITIATIVE (GBTI)					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
GBTI Assays and Reagents <sup>(†)</sup>		2016	Various / UNKNOWN	MIPR	GSA	Apr 2016	May 2016	2	600.000	Y	Apr 2016	Apr 2016
GBTI Equipment Sets <sup>(†)</sup>		2016	Various / UNKNOWN	TBD	GSA	Jan 2016	Feb 2016	6	316.667	Y	Jan 2016	Jan 2016

<sup>(†)</sup> indicates the presence of a P-21



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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS	<b>Item Number / Title [DODIC]:</b> JX0302 / GLOBAL BIO TECH INITIATIVE (GBTI)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Various - UNKNOWN	1	8	8	1	3	2	5	-	-	-	-
2	Various - UNKNOWN	1	8	8	1	3	2	5	-	-	-	-

(‡) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.  
 "A" in the Delivery Schedule indicates the Contract Award Date.  
 Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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<b>Exhibit P-3a, Individual Modification:</b> PB 2016 Chemical and Biological Defense Program										<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1				<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS						<b>Modification Number / Title:</b> JF0100 / Joint Chemical Agent Detector (JCAD)			

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	-	4.426	4.366	-	4.366	4.240	-	-	-	-	13.032
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	-	-	4.426	4.366	-	4.366	4.240	-	-	-	-	13.032
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	-	<b>4.426</b>	<b>4.366</b>	-	<b>4.366</b>	<b>4.240</b>	-	-	-	-	<b>13.032</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The MK26 Mod 1 Improved (Chemical Agent) Point Detection System Lifecycle Replacement (IPDS-LR) provides automatic point detection, classification, and warning when there are chemical warfare vapors external to the ship. IPDS-LR is an Ion Mobility Spectrometer (IMS) based chemical point detection system with algorithm library and embedded data processing that automatically detects and alarms to nerve and blister vapor at low concentrations and has the capability of rejecting common shipboard interferents.

**Development Status/Major Development Milestones**

<b>Date</b>	<b>Title</b>	<b>Description</b>
Apr 2011	Production IPR	



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<b>Exhibit P-3a, Individual Modification:</b> PB 2016 Chemical and Biological Defense Program										<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1				<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS						<b>Modification Number / Title:</b> JF0100 / Joint Chemical Agent Detector (JCAD)			
<b>Models of Systems Affected:</b> Multiple class ships				<b>Modification Type:</b> Force Protection				<b>Related RDT&amp;E PEs:</b>					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
<b>Procurement</b>													
<i>Modification Item 1 of 1:</i> Joint Chemical Agent Detector (JCAD)													
B Kits													
Recurring													
Equipment	- / -	- / -	31 / 4.036	29 / 3.976	- / -	29 / 3.976	27 / 3.850	- / -	- / -	- / -	- / -	87 / 11.862	
<i>Subtotal: Recurring</i>	- / -	- / -	31 / 4.036	29 / 3.976	- / -	29 / 3.976	27 / 3.850	- / -	- / -	- / -	- / -	87 / 11.862	
<i>Subtotal: Joint Chemical Agent Detector (JCAD)</i>	- / -	- / -	31 / 4.036	29 / 3.976	- / -	29 / 3.976	27 / 3.850	- / -	- / -	- / -	- / -	87 / 11.862	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	31 / 4.036	29 / 3.976	- / -	29 / 3.976	27 / 3.850	- / -	- / -	- / -	- / -	87 / 11.862	
<b>Support (All Modification Items)</b>													
Other	- / -	- / -	- / 0.390	- / 0.390	- / -	- / 0.390	- / 0.390	- / -	- / -	- / -	- / -	- / 1.170	
<i>Subtotal: Support</i>	- / -	- / -	- / 0.390	- / 0.390	- / -	- / 0.390	- / 0.390	- / -	- / -	- / -	- / -	- / 1.170	
<b>Installation</b>													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<b>Total</b>													
<b>Total Cost (Procurement + Support + Installation)</b>	-	-	4.426	4.366	-	4.366	4.240	-	-	-	-	13.032	

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<b>Exhibit P-3a, Individual Modification:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS	<b>Modification Number / Title:</b> JF0100 / Joint Chemical Agent Detector (JCAD)

**Modification Item 1 of 1:** Joint Chemical Agent Detector (JCAD)

**Manufacturer Information**

Manufacturer Name: Navy Depot Field Team	Manufacturer Location: Norfolk, VA
Administrative Leadtime (in Months): 10	Production Leadtime (in Months): 6

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	May 2015	May 2016	May 2017				
Delivery Dates	Mar 2016	Mar 2017	Mar 2018				

**Installation Information**

**Method of Implementation:** Alteration Installation Teams (AITs).

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

**Installation Schedule**

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot				
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4						
In	107	-	36	-	-	-	31	-	-	-	29	-	-	-	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	230
Out	88	-	35	-	-	-	24	-	-	-	27	-	-	-	21	-	-	-	11	-	-	-	9	-	-	-	8	-	-	-	7	-	230		

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>										<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1					<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS					<b>Item Number / Title [DODIC]:</b> JF0100 / JOINT CHEMICAL AGENT DETECTOR (JCAD)			

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :							<b>MDAP/MAIS Code:</b>					
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	-	32.498	3.468	-	3.468	3.307	-	-	-	-	39.273
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	-	32.498	3.468	-	3.468	3.307	-	-	-	-	39.273
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>-</b>	<b>32.498</b>	<b>3.468</b>	<b>-</b>	<b>3.468</b>	<b>3.307</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>39.273</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
Prior/Future combined efforts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M4A1 JCAD - FRP - JCAD Communication Adapter <sup>(†)</sup>	-	-	0.000	-	-	-	2.312	1,870	4.323	-	-	-	-	-	-	-	-	-
M4A1 JCAD - FRP - Stryker Communication Adapter <sup>(†)</sup>	-	-	0.000	-	-	-	2.287	2,501	5.720	-	-	-	-	-	-	-	-	-
M4A1 JCAD - FRP - M4A1 JCAD - Hardware <sup>(†)</sup>	-	-	0.000	-	-	-	4.614	4,371	20.168	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>30.211</i>	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>30.211</i>	-	-	-	-	-	-	-	-	-
<b>Support Cost</b>																		
Engineering Support (Govt)	-	-	0.000	-	-	-	-	-	1.937	-	-	1.539	-	-	-	-	-	1.539
System Fielding Support (Gov't) (First Article Test (FAT), Total Package Fielding, First Destinat...	-	-	0.000	-	-	-	-	-	0.350	-	-	1.929	-	-	-	-	-	1.929

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS	<b>Item Number / Title [DODIC]:</b> JF0100 / JOINT CHEMICAL AGENT DETECTOR (JCAD)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Support Cost</i>	-	-	0.000	-	-	-	-	-	2.287	-	-	3.468	-	-	-	-	-	3.468
<b>Gross/Weapon System Cost</b>	-	-	0.000	-	-	-	-	-	32.498	-	-	3.468	-	-	-	-	-	3.468

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)

Hardware Cost																		
Recurring Cost																		
Prior/Future combined efforts	-	-	3.307	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.307
M4A1 JCAD - FRP - JCAD Communication Adapter <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.323
M4A1 JCAD - FRP - Stryker Communication Adapter <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.720
M4A1 JCAD - FRP - M4A1 JCAD - Hardware <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.168
<i>Subtotal: Recurring Cost</i>	-	-	3.307	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.518
<i>Subtotal: Hardware Cost</i>	-	-	3.307	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.518

Support Cost																		
Engineering Support (Govt)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.476
System Fielding Support (Gov't) (First Article Test (FAT), Total Package Fielding, First Destinat...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.279
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.755
<b>Gross/Weapon System Cost</b>	-	-	3.307	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.273

**Remarks:**  
Prior to FY 2015, the JOINT CHEMICAL AGENT DETECTOR (JCAD) program was reported under CBDP line item (BLIN) GP2000 - CONTAMINATION AVOIDANCE

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<b>Exhibit P-5, Cost Analysis:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS	<b>Item Number / Title [DODIC]:</b> JF0100 / JOINT CHEMICAL AGENT DETECTOR (JCAD)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :		<b>MDAP/MAIS Code:</b>
<p>The JCAD program employs an incremental acquisition strategy to develop a miniaturized, rugged, and portable point chemical agent detector that automatically and simultaneously detects, identifies and alerts in the presence of nerve, blister, and blood chemical warfare agents. The M4 JCAD entered full rate production in September 2008 and were procured through FY10. The M4A1 reduces operations and sustainment costs to the Warfighter and obtains many of the objective values in the JCAD Increment I CPD. Production of the M4A1 began April FY11. JCAD will be used for wheeled vehicles, stand alone, and individual Soldier applications. The M4 JCAD will replace the M8A1 and the M22 Automatic Chemical Agent Alarms (ACAA/ACADA). The M4A1 may also replace the Chemical Agent Monitor (CAM) and Improved Chemical Agent Monitor (ICAM) and other legacy systems currently used by the individual Services. These funds also support a Lifecycle Replacement (LR) for the Navy's Improved Point Detection System (IPDS). The MK26 Mod 1 Improved (Chemical Agent) Point Detection System Lifecycle Replacement (IPDS-LR) provides automatic point detection, classification, and warning when there are chemical warfare vapors external to the ship. IPDS-LR is an Ion Mobility Spectrometer (IMS) based chemical point detection system with an algorithm library and embedded data processing that automatically detects and alarms to nerve and blister vapor at low concentrations and has the capability of rejecting common shipboard interferents.</p> <p>Justification: FY16 procures 29 IPDS-LRs for the Navy.</p> <p>(t) indicates the presence of a P-5a</p>		

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2016 Chemical and Biological Defense Program							<b>Date:</b> February 2015					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1			<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS				<b>Item Number / Title [DODIC]:</b> JF0100 / JOINT CHEMICAL AGENT DETECTOR (JCAD)					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
M4A1 JCAD - FRP - JCAD Communication Adapter <sup>(†)</sup>		2015	Smiths Detection / Edgewood, MD	C / FFP	RDECOM, APG, MD	Dec 2014 <sup>(4)</sup>	Feb 2015	1,870	2.312	Y		
M4A1 JCAD - FRP - Stryker Communication Adapter <sup>(†)</sup>		2015	Smiths Detection / Edgewood, MD	C / FFP	RDECOM, APG, MD	Dec 2014 <sup>(5)</sup>	Feb 2015	2,501	2.287	Y		
M4A1 JCAD - FRP - M4A1 JCAD - Hardware <sup>(†)</sup>		2015	Smiths Detection / Edgewood, MD	C / FFP	RDECOM, APG, MD	Jan 2015 <sup>(6)</sup>	Mar 2015	4,371	4.614	Y		

<sup>(†)</sup> indicates the presence of a P-21

**Footnotes:**

<sup>(4)</sup> (Option)

<sup>(5)</sup> (Option)

<sup>(6)</sup> (Opt 5)

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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program														<b>Date:</b> February 2015																		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1							<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS														<b>Item Number / Title [DODIC]:</b> JF0100 / JOINT CHEMICAL AGENT DETECTOR (JCAD)											

Cost Elements (Units in Each)						Fiscal Year 2015													Fiscal Year 2016														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015													Calendar Year 2016													
							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	B A L		
M4A1 JCAD - FRP - JCAD Communication Adapter																																	
	1	2015	CBDP	1,870	-	1,870			A -	-	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	165	-				
Secondary Distribution			ARMY	1,870	-	1,870			A -	-	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	165	-					
M4A1 JCAD - FRP - Stryker Communication Adapter																																	
	2	2015	CBDP	2,501	-	2,501			A -	-	208	208	208	208	208	208	208	208	208	209	209	209	209	209	209	209	209	-					
Secondary Distribution			ARMY	2,501	-	2,501			A -	-	208	208	208	208	208	208	208	208	208	209	209	209	209	209	209	209	209	-					
M4A1 JCAD - FRP - M4A1 JCAD - Hardware																																	
	3	2015	CBDP	4,371	-	4,371			A -	-	364	364	364	364	364	364	364	364	364	364	364	364	364	364	364	364	367	-					
Secondary Distribution			ARMY	4,371	-	4,371			A -	-	364	364	364	364	364	364	364	364	364	364	364	364	364	364	364	364	367	-					
									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	B A L

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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1		<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS
		<b>Item Number / Title [DODIC]:</b> JF0100 / JOINT CHEMICAL AGENT DETECTOR (JCAD)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Smiths Detection - Edgewood, MD	100	1,800	2,600	-	3	2	5	-	5	6	11
2	Smiths Detection - Edgewood, MD	100	1,800	2,600	-	3	2	5	-	5	6	11
3	Smiths Detection - Edgewood, MD	89	1,800	2,200	-	2	8	10	-	8	3	11

(†) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).



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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>										<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1					<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS					<b>Item Number / Title [DODIC]:</b> JC0208 / JOINT EFFECTS MODEL (JEM)			

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :							<b>MDAP/MAIS Code:</b>					
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	0.000	-	1.141	3.316	-	3.316	5.069	3.086	3.031	2.728	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	-	1.141	3.316	-	3.316	5.069	3.086	3.031	2.728	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	<b>0.000</b>	<b>-</b>	<b>1.141</b>	<b>3.316</b>	<b>-</b>	<b>3.316</b>	<b>5.069</b>	<b>3.086</b>	<b>3.031</b>	<b>2.728</b>	<b>Continuing</b>	<b>Continuing</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Software Cost</b>																		
Recurring Cost																		
Prior/Future combined efforts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JEM INCR. 2 - Software & Installation	-	-	0.000	-	-	-	-	-	0.375	-	-	0.901	-	-	-	-	-	0.901
<i>Subtotal: Recurring Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>0.375</i>	-	-	<i>0.901</i>	-	-	-	-	-	<i>0.901</i>
<i>Subtotal: Software Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>0.375</i>	-	-	<i>0.901</i>	-	-	-	-	-	<i>0.901</i>
<b>Package Fielding Cost</b>																		
Recurring Cost																		
JEM INCR. 2 - System Fielding Support (TPF, FDT, NET)	-	-	0.000	-	-	-	-	-	0.766	-	-	1.327	-	-	-	-	-	1.327
<i>Subtotal: Recurring Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>0.766</i>	-	-	<i>1.327</i>	-	-	-	-	-	<i>1.327</i>
<i>Subtotal: Package Fielding Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>0.766</i>	-	-	<i>1.327</i>	-	-	-	-	-	<i>1.327</i>
<b>Support Cost</b>																		
JEM INCR. 2 - Technical & Engineering Support	-	-	0.000	-	-	-	-	-	-	-	-	1.088	-	-	-	-	-	1.088
<i>Subtotal: Support Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	-	-	-	<i>1.088</i>	-	-	-	-	-	<i>1.088</i>
<b>Gross/Weapon System Cost</b>	-	-	<b>0.000</b>	-	-	-	-	-	<b>1.141</b>	-	-	<b>3.316</b>	-	-	-	-	-	<b>3.316</b>

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>													<b>Date:</b> February 2015					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1						<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS						<b>Item Number / Title [DODIC]:</b> JC0208 / JOINT EFFECTS MODEL (JEM)						

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :										<b>MDAP/MAIS Code:</b>							
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Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Software Cost																		
Recurring Cost																		
Prior/Future combined efforts	-	-	5.069	-	-	3.086	-	-	3.031	-	-	2.728	Continuing			Continuing		
JEM INCR. 2 - Software & Installation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	5.069	-	-	3.086	-	-	3.031	-	-	2.728	<i>Continuing</i>			<i>Continuing</i>		
<i>Subtotal: Software Cost</i>	-	-	5.069	-	-	3.086	-	-	3.031	-	-	2.728	<i>Continuing</i>			<i>Continuing</i>		
Package Fielding Cost																		
Recurring Cost																		
JEM INCR. 2 - System Fielding Support (TPF, FDT, NET)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Package Fielding Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support Cost																		
JEM INCR. 2 - Technical & Engineering Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>5.069</b>	-	-	<b>3.086</b>	-	-	<b>3.031</b>	-	-	<b>2.728</b>	<b>Continuing</b>			<b>Continuing</b>		

**Remarks:**  
 The Joint Effects Model (JEM) is DoD's only accredited model for predicting hazards associated with the release of contaminants into the environment. JEM is being developed in separate increments and is capable of modeling hazards in a variety of scenarios including: counter-force, passive defense, accident and/or incidents, high altitude releases, urban NBC environments, building interiors, and human performance degradation. Battle space commanders and first responders must have a CBRN hazard prediction capability in order to make decisions that will minimize risks of CBRN contamination and enable them to continue mission operations. JEM operates in an integrated fashion with operational and tactical Command, Control, communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) systems, and in a standalone mode. JEM interfaces and communicates with the other programs such as JWARN, weather systems, intelligence systems, and various databases.

Justification: PROC: FY16 supports JEM Incr. 2 Total Package Fielding (TPF) and New Equipment Training (NET).

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1		<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS
		<b>Item Number / Title [DODIC]:</b> MC0100 / JOINT NBC RECONNAISSANCE SYSTEM (JNBCRS)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :						<b>MDAP/MAIS Code:</b>						
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	0.000	-	3.600	3.600	-	3.600	3.600	3.600	-	-	-	14.400
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	-	3.600	3.600	-	3.600	3.600	3.600	-	-	-	14.400
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	<b>0.000</b>	<b>-</b>	<b>3.600</b>	<b>3.600</b>	<b>-</b>	<b>3.600</b>	<b>3.600</b>	<b>3.600</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>14.400</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Support Cost																		
Prior/Future combined efforts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Support	-	-	0.000	-	-	-	-	-	0.600	-	-	0.600	-	-	-	-	-	0.600
Logistics Support during Doctrine, Techniques, and Tactics (DTT) Training	-	-	0.000	-	-	-	-	-	3.000	-	-	3.000	-	-	-	-	-	3.000
<i>Subtotal: Support Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>3.600</i>	-	-	<i>3.600</i>	-	-	-	-	-	<i>3.600</i>
<b>Gross/Weapon System Cost</b>	-	-	<b>0.000</b>	-	-	-	-	-	<b>3.600</b>	-	-	<b>3.600</b>	-	-	-	-	-	<b>3.600</b>

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Support Cost																		
Prior/Future combined efforts	-	-	3.600	-	-	3.600	-	-	-	-	-	-	-	-	-	-	-	7.200
Engineering Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.200

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<b>Exhibit P-5, Cost Analysis:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS	<b>Item Number / Title [DODIC]:</b> MC0100 / JOINT NBC RECONNAISSANCE SYSTEM (JNBCRS)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Logistics Support during Doctrine, Techniques, and Tactics (DTT) Training	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.000
<i>Subtotal: Support Cost</i>	-	-	3.600	-	-	3.600	-	-	-	-	-	-	-	-	-	-	-	14.400
<b>Gross/Weapon System Cost</b>	-	-	<b>3.600</b>	-	-	<b>3.600</b>	-	-	-	-	-	-	-	-	-	-	-	<b>14.400</b>

**Remarks:**

The Joint Nuclear Biological and Chemical Reconnaissance Systems (JNBCRS), including the Stryker Nuclear Biological and Chemical Reconnaissance Vehicles (NBCRV), NBC equipment suites provide field commanders with point and early warning intelligence for real time field assessment of NBC hazards. The NBC Equipment Suite consists of the Chemical and Biological Mass Spectrometer II (CBMS II), Joint Biological Point Detection System (JBPDS), Chemical Vapor Sampling System (CVSS), Training Aids, Devices and Simulation Systems (TADSS), the Sensor Processing Group and associated initial and pipeline spares. The NBC Equipment Suite performs the vital function of detecting, identifying, collecting, reporting, and marking NBC hazards and toxic industrial chemicals. Prior year funds were used for the Joint Service Light NBC Reconnaissance System in addition to NBC equipment suites for the Stryker NBCRV.

Justification: FY16 funds support repair part replacement during Doctrine, Techniques, and Tactics (DTT) portion of New Equipment Training (NET).

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS	<b>Item Number / Title [DODIC]:</b> G47101 / JOINT WARNING & REPORTING NETWORK (JWARN)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	0.000	-	0.766	-	-	-	4.589	1.522	0.533	0.479	-	7.889
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	-	0.766	-	-	-	4.589	1.522	0.533	0.479	-	7.889
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	<b>0.000</b>	<b>-</b>	<b>0.766</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4.589</b>	<b>1.522</b>	<b>0.533</b>	<b>0.479</b>	<b>-</b>	<b>7.889</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Software Cost</b>																		
Recurring Cost																		
Prior/Future combined efforts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JWARN INCR. 1 - Software & Installation (Contractor)	-	-	0.000	-	-	-	-	-	0.257	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>0.257</i>	-	-	-	-	-	-	-	-	-
<i>Subtotal: Software Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>0.257</i>	-	-	-	-	-	-	-	-	-
<b>Package Fielding Cost</b>																		
Recurring Cost																		
JWARN INCR. 1 - System Fielding Support (TPF, FDT, NET)	-	-	0.000	-	-	-	-	-	0.306	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>0.306</i>	-	-	-	-	-	-	-	-	-
<i>Subtotal: Package Fielding Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>0.306</i>	-	-	-	-	-	-	-	-	-
<b>Support Cost</b>																		
JWARN INCR. 1 - Technical Engineering Support	-	-	0.000	-	-	-	-	-	0.203	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>0.203</i>	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS	<b>Item Number / Title [DODIC]:</b> G47101 / JOINT WARNING & REPORTING NETWORK (JWARN)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Gross/Weapon System Cost	-	-	0.000	-	-	-	-	-	0.766	-	-	-	-	-	-	-	-	-

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Software Cost																		
Recurring Cost																		
Prior/Future combined efforts	-	-	4.589	-	-	1.522	-	-	0.533	-	-	0.479	-	-	-	-	-	7.123
JWARN INCR. 1 - Software & Installation (Contractor)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.257
<i>Subtotal: Recurring Cost</i>	-	-	4.589	-	-	1.522	-	-	0.533	-	-	0.479	-	-	-	-	-	7.380
<i>Subtotal: Software Cost</i>	-	-	4.589	-	-	1.522	-	-	0.533	-	-	0.479	-	-	-	-	-	7.380
Package Fielding Cost																		
Recurring Cost																		
JWARN INCR. 1 - System Fielding Support (TPF, FDT, NET)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.306
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.306
<i>Subtotal: Package Fielding Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.306
Support Cost																		
JWARN INCR. 1 - Technical Engineering Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.203
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.203
<b>Gross/Weapon System Cost</b>	-	-	<b>4.589</b>	-	-	<b>1.522</b>	-	-	<b>0.533</b>	-	-	<b>0.479</b>	-	-	-	-	-	<b>7.889</b>

**Remarks:**  
 Prior to FY 2015, the JOINT WARNING & REPORTING NETWORK (JWARN) program was reported under CBDP line item (BLIN) GP2000 - CONTAMINATION AVOIDANCE

The Joint Warning and Reporting Network (JWARN) provides the Joint Forces with a comprehensive Early Warning (EW) analysis and response capability to minimize the effects of hostile Chemical, Biological, Radiological, and Nuclear (CBRN) attacks, incidents and accidents. It provides the operational capability to employ CBRN warning technology which will collect, analyze, identify, locate, report, and disseminate

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<b>Exhibit P-5, Cost Analysis:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS	<b>Item Number / Title [DODIC]:</b> G47101 / JOINT WARNING & REPORTING NETWORK (JWARN)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :		<b>MDAP/MAIS Code:</b>
<p>CBRN warnings. JWARN will transition from a Command and Control (C2) platform specific implementation to a Web-based Service Oriented Architecture (SOA) meeting the DoD's evolution to a more comprehensive Common Operating Environment (COE). JWARN Increment 2 will provide an expansion of sensors that will connect to JWARN, increased automation of message handling, improved false alarm filtering, integration of route-planning calculator, and interoperability with additional Command and Control (C2), medical information and evolving Bio-Surveillance systems. JWARN will be located in Command and Control Centers at the appropriate level and will be employed by CBRN defense specialists and other designated personnel to improve the efficiency of limited CBRN personnel assets. This employment will transfer data automatically from existing sensors and to and from the future sensors to provide commanders with the capability to support operational decision making in a CBRN environment. JWARN will integrate existing sensors into a sensor network or host C2 system, but does not provide the sensors that will be employed in the operating environment. JWARN will be compatible and integrated with Joint Services Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) Systems and will operate as a standalone capability in the next increment of development. Activities include: logistical elements, support equipment, manuals and training required to operate and support the system.</p>		

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>										<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1					<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS					<b>Item Number / Title [DODIC]:</b> JF0104 / NEXT GEN CHEMICAL DETECTOR (NGCD)			

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :							<b>MDAP/MAIS Code:</b>					
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	-	-	1.000	-	1.000	2.378	1.000	17.208	17.204	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	0.000	-	-	1.000	-	1.000	2.378	1.000	17.208	17.204	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>0.000</b>	-	-	<b>1.000</b>	-	<b>1.000</b>	<b>2.378</b>	<b>1.000</b>	<b>17.208</b>	<b>17.204</b>	<b>Continuing</b>	<b>Continuing</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
Prior/Future combined efforts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NGCD- LRIP <sup>(†)</sup>	-	-	0.000	-	-	-	-	-	-	20.000	30	0.600	-	-	-	20.000	30	0.600
Production Verification Test (PVT)	-	-	0.000	-	-	-	-	-	-	-	-	0.200	-	-	-	-	-	0.200
Engineering Support	-	-	0.000	-	-	-	-	-	-	-	-	0.200	-	-	-	-	-	0.200
<i>Subtotal: Recurring Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	-	-	-	<i>1.000</i>	-	-	-	-	-	<i>1.000</i>
<i>Subtotal: Hardware Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	-	-	-	<i>1.000</i>	-	-	-	-	-	<i>1.000</i>
<b>Gross/Weapon System Cost</b>	-	-	<b>0.000</b>	-	-	-	-	-	-	-	-	<b>1.000</b>	-	-	-	-	-	<b>1.000</b>

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
Prior/Future combined efforts	-	-	2.378	-	-	1.000	-	-	17.208	-	-	17.204	-	-	-	-	-	-



**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS	<b>Item Number / Title [DODIC]:</b> JF0104 / NEXT GEN CHEMICAL DETECTOR (NGCD)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
NGCD- LRIP <sup>(t)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production Verification Test (PVT)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	2.378	-	-	1.000	-	-	17.208	-	-	17.204	<i>Continuing</i>			<i>Continuing</i>		
<i>Subtotal: Hardware Cost</i>	-	-	2.378	-	-	1.000	-	-	17.208	-	-	17.204	<i>Continuing</i>			<i>Continuing</i>		
<b>Gross/Weapon System Cost</b>	-	-	<b>2.378</b>	-	-	<b>1.000</b>	-	-	<b>17.208</b>	-	-	<b>17.204</b>	<b>Continuing</b>			<b>Continuing</b>		

**Remarks:**

The Next Generation Chemical Detector (NGCD) is several detection systems for multi phase of matter sampling, location of liquid and solids on surfaces, and vapor and aerosol monitoring. NGCD will detect and identify non-traditional agents, chemical warfare agents (CWAs), toxic industrial chemicals (TICs) in the air and on surfaces. The NGCD will provide improved CWA/TIC selectivity and sensitivity on multiple platforms as well as multiple environments. This sensor will improve detection, consequence management and reconnaissance, and weapons of mass destruction (WMD) interdiction capabilities. The scope of the project includes detection of agent a few feet away from the detector as well as the sampling point of the detector. The Rapid fielding portion of this effort will focus on acceleration of more mature technology.

Justification: FY16 procures 30 systems for Low Rate Initial Production (LRIP) and initiation of Production Verification Test (PVT).

(t) indicates the presence of a P-5a

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2016 Chemical and Biological Defense Program							<b>Date:</b> February 2015					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1			<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS				<b>Item Number / Title [DODIC]:</b> JF0104 / NEXT GEN CHEMICAL DETECTOR (NGCD)					
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$ K)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
NGCD- LRIP <sup>(†)</sup>		2016	TBD / UNKNOWN	C / FFP	TBD	Jun 2016	Nov 2016	30	20.000	Y		

<sup>(†)</sup> indicates the presence of a P-21



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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS	<b>Item Number / Title [DODIC]:</b> JF0104 / NEXT GEN CHEMICAL DETECTOR (NGCD)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	TBD - UNKNOWN	5	50	100	-	8	6	14	5	3	6	9

(‡) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>										<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1					<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS					<b>Item Number / Title [DODIC]:</b> JM8788 / NEXT GENERATION DIAGNOSTICS SYSTEM (NGDS)			

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :							<b>MDAP/MAIS Code:</b>					
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	-	12.518	5.300	-	5.300	9.798	15.412	16.014	11.900	-	70.942
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	0.000	-	12.518	5.300	-	5.300	9.798	15.412	16.014	11.900	-	70.942
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>0.000</b>	-	<b>12.518</b>	<b>5.300</b>	-	<b>5.300</b>	<b>9.798</b>	<b>15.412</b>	<b>16.014</b>	<b>11.900</b>	-	<b>70.942</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2014</b>			<b>FY 2015</b>			<b>FY 2016 Base</b>			<b>FY 2016 OCO</b>			<b>FY 2016 Total</b>		
	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
Prior/Future combined efforts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NGDS - Ebola Title X Funds	-	-	0.000	-	-	-	-	-	8.657	-	-	-	-	-	-	-	-	-
NGDS - Fielding Support	-	-	0.000	-	-	-	-	-	-	-	-	1.540	-	-	-	-	-	1.540
NGDS Systems	-	-	0.000	-	-	-	28.220	50	1.411	-	-	-	-	-	-	-	-	-
NGDS - Contractor Logistic Support	-	-	0.000	-	-	-	-	-	0.180	-	-	0.180	-	-	-	-	-	0.180
Logistics Program Implementation and Initial Training	-	-	0.000	-	-	-	-	-	1.430	-	-	-	-	-	-	-	-	-
<b>Subtotal: Recurring Cost</b>	-	-	<b>0.000</b>	-	-	-	-	-	<b>11.678</b>	-	-	<b>1.720</b>	-	-	-	-	-	<b>1.720</b>
<b>Subtotal: Hardware Cost</b>	-	-	<b>0.000</b>	-	-	-	-	-	<b>11.678</b>	-	-	<b>1.720</b>	-	-	-	-	-	<b>1.720</b>
<b>Support Cost</b>																		
Provisioning - Assay and Reagents	-	-	0.000	-	-	-	-	-	0.840	-	-	0.840	-	-	-	-	-	0.840
Contractor Web Support	-	-	0.000	-	-	-	-	-	-	-	-	1.600	-	-	-	-	-	1.600
Proficiency Testing	-	-	0.000	-	-	-	-	-	-	-	-	0.400	-	-	-	-	-	0.400
Training	-	-	0.000	-	-	-	-	-	-	-	-	0.740	-	-	-	-	-	0.740

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS	<b>Item Number / Title [DODIC]:</b> JM8788 / NEXT GENERATION DIAGNOSTICS SYSTEM (NGDS)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Support Cost</i>	-	-	0.000	-	-	-	-	-	0.840	-	-	3.580	-	-	-	-	-	3.580
<b>Gross/Weapon System Cost</b>	-	-	0.000	-	-	-	-	-	12.518	-	-	5.300	-	-	-	-	-	5.300

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)

Hardware Cost																		
Recurring Cost																		
Prior/Future combined efforts	-	-	9.798	-	-	15.412	-	-	16.014	-	-	11.900	-	-	-	-	-	53.124
NGDS - Ebola Title X Funds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.657
NGDS - Fielding Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.540
NGDS Systems	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.411
NGDS - Contractor Logistic Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.360
Logistics Program Implementation and Initial Training	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.430
<i>Subtotal: Recurring Cost</i>	-	-	9.798	-	-	15.412	-	-	16.014	-	-	11.900	-	-	-	-	-	66.522
<i>Subtotal: Hardware Cost</i>	-	-	9.798	-	-	15.412	-	-	16.014	-	-	11.900	-	-	-	-	-	66.522
Support Cost																		
Provisioning - Assay and Reagents	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.680
Contractor Web Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.600
Proficiency Testing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.400
Training	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.740
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.420
<b>Gross/Weapon System Cost</b>	-	-	9.798	-	-	15.412	-	-	16.014	-	-	11.900	-	-	-	-	-	70.942

**Remarks:**  
The NGDS is an evolutionary acquisition family of systems to provide increments of capability over time across many echelons of the Combat Health Support System. The mission of the NGDS is to provide Chemical, Biological and Radiological (CBR) threat and infectious disease identification and U.S. Food and Drug Administration (FDA)-cleared diagnostics to inform individual patient treatment as defined in the

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<b>Exhibit P-5, Cost Analysis:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS	<b>Item Number / Title [DODIC]:</b> JM8788 / NEXT GENERATION DIAGNOSTICS SYSTEM (NGDS)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :		<b>MDAP/MAIS Code:</b>
<p>approved NGDS Capabilities Development Document (CDD) and CBR situational awareness and disease surveillance as defined in the Common Analytical Laboratory (CAL) CDD. NGDS Increment 1 (NGDS Inc 1) will significantly improved diagnostic capability for deployable combat health support units (Role 3) while also improving operational suitability and affordability by developing FDA cleared biological warfare agent (BWA) and infectious disease in vitro diagnostic (IVD) assays on existing commercial diagnostic device with a well established FDA regulatory history and pipeline of commercial non-BWA infectious disease diagnostic tests. The NGDS Inc 1 program has a streamlined MS A to MS C - Limited Deployment acquisition strategy. Procurement funds support the purchase of hardware components as well as total package fielding Total Package Fielding for initial fielding and support to systems for two years post fielding. TPF include consumables, software security/applications, proficiency test efforts, Contractor Logistics Support, logistics &amp; web support, instructors, and training).</p> <p>Next Generation Diagnostic System (NGDS) in support of Service Lab Components will expand the global network of laboratories in Nigeria and Ghana to support efforts to analyze, identify and combat Ebola. Funding will be invested to purchase new and additional Service lab equipment in support of Ebola efforts in Egypt and Liberia for Sierra Leone. These funds will be used for technologies and surveillance capabilities for both existing laboratories in the AFRICOM area of operations, as well as, establish new laboratories in support of other Global areas of interest. Funds will also procure additional assays crafted specifically for the ABI 7500 and MagPix instruments. These efforts will ensure interoperable and integration capability with biosurveillance portal.</p> <p>Justification: FY16 program procures total package fielding support for the systems purchased in FY15.</p> <p>RDT&amp;E Code B Item: 0603884BP/Proj MB4; 0604384BP/Proj MB5; 0607384BP/Proj MB7</p> <p>MB4/NGDS: RDT&amp;E FY14 and Prior - 47.333M; FY15 - 14.862M          MB5/NGDS: RDT&amp;E ; FY16 - 8.000M; FY17 - 14.000M; FY18 - 25.000M; FY21 - 4.500M          MB7/NGDS: RDT&amp;E ; FY15 - 9.969M; FY16 - 11.371M; FY17 - 9.969M; FY18 - 2.674M; FY19 - 13.470M; FY20 - 12.000M; FY21 - 2.781M</p> <p>DEVELOPMENT/TEST STATUS AND MAJOR MILESTONES</p> <p>NGDS - Increment 1 MS C (Mar 2016 to Jun 2016)          NGDS - Increment 1 IOC: Sep 2016          NGDS - Increment 2 MS A: Aug 2014          NGDS - FDA clearance for additional assays, Integration, Connectivity: Jun 2016          NGDS - Increment 2 MS C: Jun 2018</p>		

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>										<b>Date:</b> February 2015		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1					<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS					<b>Item Number / Title [DODIC]:</b> JS5230 / SOFTWARE SUPPORT ACTIVITY (SSA)		

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :							<b>MDAP/MAIS Code:</b>					
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	-	-	0.100	-	0.100	0.100	0.100	0.100	0.090	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	0.000	-	-	0.100	-	0.100	0.100	0.100	0.100	0.090	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>0.000</b>	-	-	<b>0.100</b>	-	<b>0.100</b>	<b>0.100</b>	<b>0.100</b>	<b>0.100</b>	<b>0.090</b>	<b>Continuing</b>	<b>Continuing</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2014</b>			<b>FY 2015</b>			<b>FY 2016 Base</b>			<b>FY 2016 OCO</b>			<b>FY 2016 Total</b>		
	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)
Support Cost																		
Prior/Future combined efforts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSA - System Fielding Support (TFP, NET)	-	-	0.000	-	-	-	-	-	-	-	-	0.100	-	-	-	-	-	0.100
<i>Subtotal: Support Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	-	-	-	<i>0.100</i>	-	-	-	-	-	<i>0.100</i>
<b>Gross/Weapon System Cost</b>	-	-	<b>0.000</b>	-	-	-	-	-	-	-	-	<b>0.100</b>	-	-	-	-	-	<b>0.100</b>

<b>Cost Elements</b>	<b>FY 2017</b>			<b>FY 2018</b>			<b>FY 2019</b>			<b>FY 2020</b>			<b>To Complete</b>			<b>Total Cost</b>		
	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)
Support Cost																		
Prior/Future combined efforts	-	-	0.100	-	-	0.100	-	-	0.100	-	-	0.090	-	-	-	-	-	-
SSA - System Fielding Support (TFP, NET)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support Cost</i>	-	-	<i>0.100</i>	-	-	<i>0.100</i>	-	-	<i>0.100</i>	-	-	<i>0.090</i>	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>0.100</b>	-	-	<b>0.100</b>	-	-	<b>0.100</b>	-	-	<b>0.090</b>	-	-	-	-	-	-



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<b>Exhibit P-5, Cost Analysis:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS	<b>Item Number / Title [DODIC]:</b> JS5230 / SOFTWARE SUPPORT ACTIVITY (SSA)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :		<b>MDAP/MAIS Code:</b>
<p><b>Remarks:</b> Prior to FY 2015, the SOFTWARE SUPPORT ACTIVITY (SSA) program was reported under CBDP line item (BLIN) GP2000 - CONTAMINATION AVOIDANCE</p> <p>The JPEO-CBD SSA is a JPEO-CBD user developmental support and service organization supporting all JPMs and JPEO-CBD Directorates by providing enterprise-wide services to facilitate net-centric interoperability of systems in acquisition for the Warfighter. The SSA provides the CBRND Warfighter with Joint Service solutions for Integrated Architectures, Data Management/Modeling, Information Assurance, Interoperability Certifications, Verification, Validation and Accreditation (VV&amp;A) to support interoperable and integrated net-centric, service-oriented solutions for CBRND systems. The SSA emphasizes development of reference implementations to guide Government and industry system and software developers to ensure that their products meet common interoperability standards.</p> <p>The latest technologies/products include the definition of a Common CBRN Sensor Integration Standard (CCSI) and the CBRN Data Model. These technologies and direct enablers for the development of CBRN integrated sensor networks and the dissemination of CBRN information across all users.</p> <p>The SSA directly supports CBDP Bio-Surveillance initiatives in providing common service oriented architecture and framework for the collection and dissemination of Bio-Surveillance information.</p> <p>Justification: SSA provides the JPEO and CBRN community with critical "plug and play" capabilities which allow for system modularity and re-configurability across the enterprise. SSA helps ensure that the various programs and projects are designing/adhering to DoD and industry standards to avoid proprietary/stove-pipe solutions. The requirement for net-centric, composable solutions provides the near term foundation for the Warfighter's ability to communicate his CBRN solutions and interoperate with other service operational systems. It also supports a longer term ability to interoperate with related agencies and to reduce the Warfighter's CBRN footprint as technologies improve.</p>		

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>										<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1					<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS					<b>Item Number / Title [DODIC]:</b> JS0004 / WMD - CIVIL SUPPORT TEAMS (WMD CST)			

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :							<b>MDAP/MAIS Code:</b>					
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	-	13.292	5.069	-	5.069	-	-	-	-	-	18.361
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	-	13.292	5.069	-	5.069	-	-	-	-	-	18.361
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>-</b>	<b>13.292</b>	<b>5.069</b>	<b>-</b>	<b>5.069</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>18.361</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2014</b>			<b>FY 2015</b>			<b>FY 2016 Base</b>			<b>FY 2016 OCO</b>			<b>FY 2016 Total</b>		
	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
SPU CBE - EBOLA RESPONSE <sup>(†)</sup>	-	-	0.000	-	-	-	552.000	1	0.552	-	-	-	-	-	-	-	-	-
SPU CBE Personal Protective Equipment - Class 1 <sup>(†)</sup>	-	-	0.000	-	-	-	0.948	134	0.127	0.933	60	0.056	-	-	-	0.933	60	0.056
SPU CBE Personal Protective Equipment - Class 2 <sup>(†)</sup>	-	-	0.000	-	-	-	1.721	2,700	4.648	1.729	1,430	2.473	-	-	-	1.729	1,430	2.473
SPU CBE Personal Protective Equipment - Class 3 <sup>(†)</sup>	-	-	0.000	-	-	-	0.523	562	0.294	0.553	3,052	1.687	-	-	-	0.553	3,052	1.687
SPU CBE Personal Protective Equipment - HAZMAT Boots <sup>(†)</sup>	-	-	0.000	-	-	-	-	-	-	0.070	4,593	0.323	-	-	-	0.070	4,593	0.323
SPU CBE Personal Protective Equipment - Filter Canister <sup>(†)</sup>	-	-	0.000	-	-	-	-	-	-	0.045	6,958	0.312	-	-	-	0.045	6,958	0.312
WMD CST - WMD-CST Hapsite ER SPME Module <sup>(†)</sup>	-	-	0.000	-	-	-	23.134	67	1.550	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>													<b>Date:</b> February 2015					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1						<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS						<b>Item Number / Title [DODIC]:</b> JS0004 / WMD - CIVIL SUPPORT TEAMS (WMD CST)						
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :											<b>MDAP/MAIS Code:</b>							

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
WMD CST Lightweight Inflatable Decontamination System <sup>(†)</sup>	-	-	0.000	-	-	-	110.000	10	1.100	-	-	-	-	-	-	-	-	-
WMD CST - ORTEC Microdetective HX <sup>(†)</sup>	-	-	0.000	-	-	-	113.000	28	3.164	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>11.435</i>	-	-	<i>4.851</i>	-	-	-	-	-	<i>4.851</i>
<i>Subtotal: Hardware Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>11.435</i>	-	-	<i>4.851</i>	-	-	-	-	-	<i>4.851</i>
<b>Support Cost</b>																		
SPU CBE - Government Program Management	-	-	0.000	-	-	-	-	-	-	-	-	0.218	-	-	-	-	-	0.218
WMD CST - Engineering Services Support (Contractor)	-	-	0.000	-	-	-	-	-	0.870	-	-	-	-	-	-	-	-	-
WMD CST - Government Program Management	-	-	0.000	-	-	-	-	-	0.369	-	-	-	-	-	-	-	-	-
WMD CST - Quality Assurance / Control	-	-	0.000	-	-	-	-	-	0.618	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>1.857</i>	-	-	<i>0.218</i>	-	-	-	-	-	<i>0.218</i>
<b>Gross/Weapon System Cost</b>	-	-	<b>0.000</b>	-	-	-	-	-	<b>13.292</b>	-	-	<b>5.069</b>	-	-	-	-	-	<b>5.069</b>

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
SPU CBE - EBOLA RESPONSE <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.552
SPU CBE Personal Protective Equipment - Class 1 <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.183
SPU CBE Personal Protective Equipment - Class 2 <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.121

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>													<b>Date:</b> February 2015					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1						<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS						<b>Item Number / Title [DODIC]:</b> JS0004 / WMD - CIVIL SUPPORT TEAMS (WMD CST)						

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :										<b>MDAP/MAIS Code:</b>							
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Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
SPU CBE Personal Protective Equipment - Class 3 <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.981
SPU CBE Personal Protective Equipment - HAZMAT Boots <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.323
SPU CBE Personal Protective Equipment - Filter Canister <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.312
WMD CST - WMD-CST Hapsite ER SPME Module <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.550
WMD CST Lightweight Inflatable Decontamination System <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.100
WMD CST - ORTEC Microdetective HX <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.164
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.286
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.286
<b>Support Cost</b>																		
SPU CBE - Government Program Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.218
WMD CST - Engineering Services Support (Contractor)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.870
WMD CST - Government Program Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.369
WMD CST - Quality Assurance / Control	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.618
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.075
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>18.361</b>

**Remarks:**  
Prior to FY 2015, the WMD - CIVIL SUPPORT TEAMS (WMD CST) program was reported under CBDP line item (BLIN) JS1000 - INSTALLATION FORCE PROTECTION

This program supports the acquisition and delivery of an integrated chemical, biological, radiological, nuclear and explosive (CBRNE) rapid response capability for National Guard Bureau's (NGB) Weapons of Mass Destruction Civil Support Teams (WMD-CST) and Special Purpose Units - Chemical Biological Equipment (SPU-CBE) which consists of the CBRNE Enhanced Response Force Package (CERFP), the United States Marine Corps Chemical Biological Incident Response Force (CBIRF) the United States Army Reserve (USARC) Chemical Recon Platoons, Decon Platoons, Defense Support of Civil Authority

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<b>Exhibit P-5, Cost Analysis:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS	<b>Item Number / Title [DODIC]:</b> JS0004 / WMD - CIVIL SUPPORT TEAMS (WMD CST)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :		<b>MDAP/MAIS Code:</b>
<p>CBRN Response Force (DCRF), and the 20th Support Command Nuclear Disablement (NDT) and CBRNE Teams. Key activities of this program include ongoing life cycle assessments for the portfolio of fielded commercial-off-the-shelf (COTS) CBRNE equipment, identification and evaluation of emerging technologies, prioritization and fielding of improved capabilities to meet established requirements, and the establishment of institutionalized training. The overall capability package includes hand held detection, protection, decontamination, situational awareness software assessment and sampling tools. The purpose of this program is to address legacy requirements gaps/deficiencies for WMD-CST's and SPU-CBE's where they exist through the streamlined acquisition of COTS/government-off-the-shelf (GOTS) capability upgrades that incorporate proven advancements in technology to satisfy mission performance standards.</p> <p>Justification: FY16 funding provides for the acquisition and fielding of Personal Protection Equipment (PPE) for the first responder community - SPU CBE (PPE - Class 1, Class 2, Class 3, HAZMAT Boots, and Filter Canisters).</p> <p>(t) indicates the presence of a P-5a</p>		

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**Exhibit P-5a, Procurement History and Planning: PB 2016 Chemical and Biological Defense Program** **Date:** February 2015

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS	<b>Item Number / Title [DODIC]:</b> JS0004 / WMD - CIVIL SUPPORT TEAMS (WMD CST)
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
SPU CBE - EBOLA RESPONSE <sup>(†)</sup>		2015	Veterans Corp. / Fairfax, VA	TBD	Boston, MA	Dec 2014	Jan 2015	1	552.000	Y		
SPU CBE Personal Protective Equipment - Class 1 <sup>(†)</sup>		2016	Veterans Corp. / Fairfax, VA	C / FP	Boston, MA	Feb 2016	May 2016	60	0.933	Y		
SPU CBE Personal Protective Equipment - Class 2 <sup>(†)</sup>		2015	Veterans Corp. / Fairfax, VA	C / FP	Boston, MA	Feb 2015 <sup>(7)</sup>	May 2015	2,700	1.721	Y		
SPU CBE Personal Protective Equipment - Class 2 <sup>(†)</sup>		2016	Veterans Corp. / Fairfax, VA	C / FP	Boston, MA	Feb 2016	May 2016	1,430	1.729	Y		
SPU CBE Personal Protective Equipment - Class 3 <sup>(†)</sup>		2015	Veterans Corp. / Fairfax, VA	C / FP	Boston, MA	Feb 2015 <sup>(8)</sup>	May 2015	562	0.523	Y		
SPU CBE Personal Protective Equipment - Class 3 <sup>(†)</sup>		2016	Veterans Corp. / Fairfax, VA	C / FP	Boston, MA	Feb 2016	May 2016	3,052	0.553	Y		
SPU CBE Personal Protective Equipment - HAZMAT Boots <sup>(†)</sup>		2016	Veterans Corp. / Fairfax, VA	C / FP	Boston, MA	Feb 2016	May 2016	4,593	0.070	Y		
SPU CBE Personal Protective Equipment - Filter Canister <sup>(†)</sup>		2016	Veterans Corp. / Fairfax, VA	C / FP	Boston, MA	Feb 2016	May 2016	6,958	0.045	Y		
WMD CST - WMD-CST Hapsite ER SPME Module <sup>(†)</sup>		2015	Veterans Corp. / Fairfax, VA	C / FP	Boston, MA	Feb 2015	May 2015	67	23.134	Y		
WMD CST Lightweight Inflatable Decontamination System <sup>(†)</sup>		2015	Veterans Corp. / Fairfax, VA	C / FP	Boston, MA	Feb 2015	Jun 2015	10	110.000	Y		
WMD CST - ORTEC Microdetective HX <sup>(†)</sup>		2015	Veterans Corp. / Fairfax, VA	C / FP	Boston, MA	Feb 2015	May 2015	28	113.000	Y		

<sup>(†)</sup> indicates the presence of a P-21

**Footnotes:**

<sup>(7)</sup> - IDIQ

<sup>(8)</sup> - IDIQ











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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1		<b>P-1 Line Item Number / Title:</b> SA0001 / SITUATIONAL AWARENESS
		<b>Item Number / Title [DODIC]:</b> JS0004 / WMD - CIVIL SUPPORT TEAMS (WMD CST)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	Veterans Corp. - Fairfax, VA	1	775	875	1	4	4	8	8	1	4	3	7
2	Veterans Corp. - Fairfax, VA	1	775	875	1	4	4	8	8	1	4	3	7
3	Veterans Corp. - Fairfax, VA	1	775	875	1	4	4	8	8	1	4	3	7
4	Veterans Corp. - Fairfax, VA	1	775	875	1	4	4	8	8	1	4	3	7
5	Veterans Corp. - Fairfax, VA	1	775	875	1	4	4	8	8	1	4	3	7
6	Veterans Corp. - Fairfax, VA	1	775	875	1	4	4	8	8	1	4	3	7
7	Veterans Corp. - Fairfax, VA	1	775	875	1	4	4	8	8	1	4	3	7
8	Veterans Corp. - Fairfax, VA	1	775	875	1	4	4	8	8	1	4	3	7
9	Veterans Corp. - Fairfax, VA	1	775	875	1	4	4	8	8	1	4	3	7

(±) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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**Exhibit P-40, Budget Line Item Justification:** PB 2016 Chemical and Biological Defense Program **Date:** February 2015

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 03: Chemical/Biological Defense / BSA 1: CBDP	<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	-	156.630	137.487	-	137.487	162.219	166.795	146.329	172.122	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	-	156.630	137.487	-	137.487	162.219	166.795	146.329	172.122	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	-	<b>156.630</b>	<b>137.487</b>	-	<b>137.487</b>	<b>162.219</b>	<b>166.795</b>	<b>146.329</b>	<b>172.122</b>	<b>Continuing</b>	<b>Continuing</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Beginning in FY15, the Chemical Biological Protection & Hazard Mitigation (CB P&HM) Budget Line Item (BLIN) facilitates a family-of-systems approach across the domains providing protective & hazard mitigation capabilities to the Joint Force through a consolidated CB P&HM portfolio that comprises efforts across individual and collective protection, decontamination, and medical countermeasures (pretreatments, prophylaxis and therapeutics). Efforts previously captured under the Individual Protection (GP1000), Collective Protection (PA1600), and medical countermeasures under the Joint Bio Defense Program (Medical) (MA0800) BLINs are now consolidated in this BLIN.

Specific protection efforts provided include protective masks, respiratory systems, protective clothing, collective protection on numerous platforms, and medical countermeasure pre-treatments and prophylaxes.

Individual protection efforts are focused 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. Individual protection programs funded include; (1) The Joint Service Aircrew Mask (JSAM) system is a lightweight Chemical, Biological, Radiological and Nuclear (CBRN) protective mask consisting of mask, filter, blower, and accessories optimized to minimize impact on the wearer's performance, maximize its ability to interface with aircrew protective clothing, and provide improved field of view when compared to current protective masks. (2) The Joint Service General Purpose Mask (JSGPM) is a lightweight, protective Nuclear, Biological and Chemical (NBC) mask system. The JSGPM will provide above-the-neck, head/eye/respiratory protection against Chemical and Biological (CB) agents, radioactive particles, and Toxic Industrial Materials (TIMs). (3) The Uniform Integrated Protection Ensemble (UIPE) is a supplemental CBRN protective system with the capability that enables selection of a tailored material solution based on the expected threat level for any given mission or platform.

Collective Protection provides life-sustaining and continued operational capabilities to the Warfighter and their equipment in support of military missions and operations as a seamless, integrated sub-system to all manner of platform, which utilizes state-of-the-art chemical, biological, radiological and nuclear (CBRN) protective technologies. 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. Collective protection programs funded include;

(1) The Collective Protection System (CPS) Backfit Program installs CPS in mission critical medical and command and control spaces on the Navy's Landing Helicopter Dock (LHD) amphibious ship class. (2) 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. (3) The Joint Expeditionary Collective Protection (JECGP) provides the joint expeditionary forces a collective protection (CP) capability which is lightweight, compact, modular, and affordable. The JECGP

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Chemical and Biological Defense Program	<b>Date:</b> February 2015
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 03: Chemical/Biological Defense / BSA 1: CBDP	<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
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family of systems allows the application of CP to transportable soft-sided shelters, enclosed spaces of opportunity, and in remote austere locations as a standalone resource. JECP will be capable of protecting personnel groups of varying size, unencumbered by individual protective equipment (IPE), from effects of chemical and biological (CB) agents, toxic industrial materials (TIMs), radiological (R) particles, heat, dust, and sand. (4) Mounted on a platform, the Chemical Biological Protective Shelter (CBPS) provides a mobile, 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.

Decontamination efforts facilitate the removal and detoxification of contaminants from materials without inflicting injury to personnel or damage to equipment or the environment. Procured items are environmentally friendly, reduce logistics burdens, and are effective against traditional and nontraditional agents on sensitive and non-sensitive equipment. Contamination control techniques have been developed which minimize the extent of contamination pickup and transfer and maximize the ability of units to remove contaminants both on-the-move and during dedicated decontamination operations. Decontamination programs funded include;

(1) Decontamination Family of Systems (DFoS) General Purpose Decontaminants (GPD) which will procure Traditional / Non-Traditional Agent (NTA) decontaminant(s) that will provide the Warfighter an increased capability to decontaminate/mitigate traditional agents / NTAs on personnel, equipment, vehicle interiors/exterior, terrain, and fixed facilities. (2) Contaminated Human Remains Pouch (CHRP) which will procure systems with the capability to protect personnel handling and processing human remains contaminated with Chemical Biological Radiological (CBR) contamination for safe intra-theater transport. The CHRP provides the warfighter the capability to safely handle, transport, and temporarily store or inter contaminated human remains in a theater of operations. (3) DFoS Joint Sensitive Equipment Wipes (JSEW) will provide immediate/operational decontamination capabilities for sensitive and non-sensitive equipment in hostile and non-hostile environments that have been exposed to chemical contamination.

Medical Countermeasures (MCMs) include capabilities to protect the warfighter against CBR threats and mitigate illness, suffering, and death. MCMs will provide end-to-end countermeasures against emerging infectious diseases, genetically engineered threats, naturally occurring biological phenomena, novel chemical agents, and radiological threats. Program efforts include core medical efforts aimed at delivering pretreatments/prophylaxes and therapeutics to the warfighter. MCMs in development by the CBDP traditionally fall into one of two categories: 1) pretreatments/prophylaxes such as a plague vaccine and 2) post-exposure, pre/post-symptomatic therapeutics such as the Advance Anticonvulsant System. A family-of-systems approach for medical defense against threats is required to provide protection, to sustain performance in multiple environments, and to provide for self-aid/buddy-aid and medical treatment of CBR casualties. Fielding of prophylactic, pre-treatment, and therapeutic drugs and medical devices requires Food and Drug Administration (FDA) approval. Medical Countermeasure programs funded include; (1) the Advanced Anticonvulsant System (AAS) consists of the drug midazolam in an auto-injector to be used as treatment for nerve agent induced seizures and will be a replacement for the currently fielded Convulsant Antidote for Nerve Agent (CANA) auto-injector, which uses diazepam. (2) Smallpox Vaccinia Immune Globulin Intravenous (VIGIV). (3) Recombinant Botulinum A/B vaccine program.

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**Exhibit P-40, Budget Line Item Justification:** PB 2016 Chemical and Biological Defense Program **Date:** February 2015

**Appropriation / Budget Activity / Budget Sub Activity:**  
0300D: Procurement, Defense-Wide / BA 03: Chemical/Biological Defense / BSA 1: CBDP

**P-1 Line Item Number / Title:**  
PHM001 / CB PROTECTION AND HAZARD MITIGATION

**ID Code** (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:**

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
JM6677 / ADVANCED ANTICONVULSANT SYSTEM (AAS)	P-5, P-5a, P-21		- / 0.000	- / -	- / 2.500	- / 11.133	- / -	- / 11.133
R12301 / CB PROTECTIVE SHELTER (CBPS)	P-5, P-5a, P-21		- / 0.000	- / -	- / 30.400	- / 15.001	- / -	- / 15.001
MA0401 / CBRN UNIFORM INTEGRATED PROTECTION ENSEMBLE (UIPE)	P-5, P-5a, P-21		- / 0.000	- / -	- / 6.948	- / 11.101	- / -	- / 11.101
JN0014 / Collective Protection System Amphibious Backfit (Force Protection)	P-3a		- / -	- / -	- / 15.000	- / -	- / -	- / -
JD0063 / CONTAMINATED HUMAN REMAINS POUCH (CHRP)	P-5		- / 0.000	- / -	- / 3.365	- / 1.542	- / -	- / 1.542
JD0050 / DECONTAMINATION FAMILY OF SYSTEMS (DFoS)	P-5		- / 0.000	- / -	- / 3.450	- / 7.254	- / -	- / 7.254
JX0005 / DOD BIOLOGICAL VACCINE PROCUREMENT (VACCINES)	P-5	B	- / 0.000	- / -	- / 6.412	- / 0.185	- / -	- / 0.185
JP1111 / JOINT EXPEDITIONARY COLLECTIVE PROTECTION (JECP)	P-5, P-5a, P-21		- / 0.000	- / -	- / 15.898	- / 5.864	- / -	- / 5.864
JJ0003 / JOINT SERVICE GENERAL PURPOSE MASK (JSGPM)	P-5, P-5a, P-21		- / 0.000	- / -	- / 61.131	- / 60.777	- / -	- / 60.777
JJ0002 / JS AIRCREW MASK (JSAM)	P-5, P-5a, P-21	B	- / 0.000	- / -	- / 11.526	- / 24.630	- / -	- / 24.630
<b>Total Gross/Weapon System Cost</b>			<b>- / 0.000</b>	<b>- / -</b>	<b>- / 156.630</b>	<b>- / 137.487</b>	<b>- / -</b>	<b>- / 137.487</b>

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
JM6677 / ADVANCED ANTICONVULSANT SYSTEM (AAS)	P-5, P-5a, P-21		- / -	- / -	- / -	- / -	- / -	- / 13.633
R12301 / CB PROTECTIVE SHELTER (CBPS)	P-5, P-5a, P-21		- / 16.950	- / 17.908	- / 22.508	- / 28.556	Continuing	Continuing
MA0401 / CBRN UNIFORM INTEGRATED PROTECTION ENSEMBLE (UIPE)	P-5, P-5a, P-21		- / 11.101	- / 11.101	- / 14.000	- / 16.000	Continuing	Continuing
JN0014 / Collective Protection System Amphibious Backfit (Force Protection)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 15.000
JD0063 / CONTAMINATED HUMAN REMAINS POUCH (CHRP)	P-5		- / -	- / -	- / -	- / -	- / -	- / 4.907
JD0050 / DECONTAMINATION FAMILY OF SYSTEMS (DFoS)	P-5		- / 10.037	- / 12.621	- / 20.817	- / 15.874	Continuing	Continuing
JX0005 / DOD BIOLOGICAL VACCINE PROCUREMENT (VACCINES)	P-5	B	- / 0.185	- / 0.185	- / 3.848	- / 10.882	Continuing	Continuing
JP1111 / JOINT EXPEDITIONARY COLLECTIVE PROTECTION (JECP)	P-5, P-5a, P-21		- / 14.381	- / 14.037	- / 26.020	- / 25.418	Continuing	Continuing
JJ0003 / JOINT SERVICE GENERAL PURPOSE MASK (JSGPM)	P-5, P-5a, P-21		- / 55.118	- / 48.982	- / -	- / -	Continuing	Continuing
JJ0002 / JS AIRCREW MASK (JSAM)	P-5, P-5a, P-21	B	- / 54.447	- / 61.961	- / 55.136	- / 50.374	Continuing	Continuing
<b>Total Gross/Weapon System Cost</b>			<b>- / 162.219</b>	<b>- / 166.795</b>	<b>- / 146.329</b>	<b>- / 172.122</b>	<b>Continuing</b>	<b>Continuing</b>

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

**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. Efforts in this BLIN combined provide protective equipment and medical countermeasures that supports protection prior to potential operations and mitigates the hazard if exposed.

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>										<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1					<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION					<b>Item Number / Title [DODIC]:</b> JM6677 / ADVANCED ANTICONVULSANT SYSTEM (AAS)			

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :							<b>MDAP/MAIS Code:</b>					
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	-	2.500	11.133	-	11.133	-	-	-	-	-	13.633
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	-	2.500	11.133	-	11.133	-	-	-	-	-	13.633
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>-</b>	<b>2.500</b>	<b>11.133</b>	<b>-</b>	<b>11.133</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>13.633</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
AAS <sup>(†)</sup>	-	-	0.000	-	-	-	0.018	130,000	2.320	0.018	620,000	10.900	-	-	-	0.018	620,000	10.900
Subtotal: Recurring Cost	-	-	0.000	-	-	-	-	-	2.320	-	-	10.900	-	-	-	-	-	10.900
Subtotal: Hardware Cost	-	-	0.000	-	-	-	-	-	2.320	-	-	10.900	-	-	-	-	-	10.900
Support Cost																		
AAS - Management Support	-	-	0.000	-	-	-	-	-	0.180	-	-	0.233	-	-	-	-	-	0.233
Subtotal: Support Cost	-	-	0.000	-	-	-	-	-	0.180	-	-	0.233	-	-	-	-	-	0.233
<b>Gross/Weapon System Cost</b>	<b>-</b>	<b>-</b>	<b>0.000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2.500</b>	<b>-</b>	<b>-</b>	<b>11.133</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>11.133</b>

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
AAS <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.220
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.220



**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis:</b> PB 2016 Chemical and Biological Defense Program													<b>Date:</b> February 2015					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1						<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION						<b>Item Number / Title [DODIC]:</b> JM6677 / ADVANCED ANTICONVULSANT SYSTEM (AAS)						

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :										<b>MDAP/MAIS Code:</b>							
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Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.220
Support Cost																		
AAS - Management Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.413
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.413
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>13.633</b>

**Remarks:**

The Advanced Anticonvulsant System (AAS) will consist of the drug midazolam in an autoinjector for use in treating nerve agent induced seizures and will replace the currently fielded Convulsant Antidote for Nerve Agent (CANA) autoinjector, which uses diazepam. Procurement funds will support Initial Operational Capability (IOC) supporting the AAS phase-in/CANA phase-out plan along with transitioning the program to the Defense Logistics Agency (DLA) for sustainment.

In October 2013 the manufacturer notified the government that modifications to the manufacturing line are required, and would result in delays to production. The Government is working with the contractor to ensure that manufacturing upgrades are compliant with FDA requirements, and delays are mitigated to the fullest extent possible. The contract will be modified to address these additional requirements, and the program is working to determine the path forward and revised timeline for FDA approval and delivery of IOC/FOC.

Justification: FY16 funding supports procurement of 750K FOC.

(t) indicates the presence of a P-5a

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2016 Chemical and Biological Defense Program							<b>Date:</b> February 2015					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1			<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION				<b>Item Number / Title [DODIC]:</b> JM6677 / ADVANCED ANTICONVULSANT SYSTEM (AAS)					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
AAS <sup>(†)</sup>		2015	Meridian Medical Technologies Inc. / Columbia, MD	C / FFP	ACC-APG-NCD, Ft. Detrick, MD	Sep 2015	Dec 2015	130,000	0.018	Y		
AAS <sup>(†)</sup>		2016	Meridian Medical Technologies Inc. / Columbia, MD	C / FFP	ACC-APG-NCD, Ft. Detrick, MD	Jan 2016	Apr 2016	620,000	0.018	Y		

<sup>(†)</sup> indicates the presence of a P-21





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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION	<b>Item Number / Title [DODIC]:</b> JM6677 / ADVANCED ANTICONVULSANT SYSTEM (AAS)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Meridian Medical Technologies Inc. - Columbia, MD	1	40,000	150,000	-	4	11	15	-	-	4	4

(±) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>										<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1					<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION					<b>Item Number / Title [DODIC]:</b> R12301 / CB PROTECTIVE SHELTER (CBPS)			

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :							<b>MDAP/MAIS Code:</b>					
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	-	30.400	15.001	-	15.001	16.950	17.908	22.508	28.556	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	0.000	-	30.400	15.001	-	15.001	16.950	17.908	22.508	28.556	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>0.000</b>	<b>-</b>	<b>30.400</b>	<b>15.001</b>	<b>-</b>	<b>15.001</b>	<b>16.950</b>	<b>17.908</b>	<b>22.508</b>	<b>28.556</b>	<b>Continuing</b>	<b>Continuing</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Hardware Cost</b>																		
Recurring Cost																		
Prior/Future combined efforts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CBPS UP-ARMORED <sup>(†)</sup>	-	-	0.000	-	-	-	728.737	38	27.692	1,139.182	11	12.531	-	-	-	1,139.182	11	12.531
Government Furnished Material	-	-	0.000	-	-	-	-	-	0.500	-	-	0.123	-	-	-	-	-	0.123
<i>Subtotal: Recurring Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>28.192</i>	-	-	<i>12.654</i>	-	-	-	-	-	<i>12.654</i>
<i>Subtotal: Hardware Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>28.192</i>	-	-	<i>12.654</i>	-	-	-	-	-	<i>12.654</i>
<b>Support Cost</b>																		
Care of Supplies in Storage	-	-	0.000	-	-	-	-	-	-	-	-	0.659	-	-	-	-	-	0.659
First Article Testing	-	-	0.000	-	-	-	-	-	0.340	-	-	-	-	-	-	-	-	-
Engineering Support	-	-	0.000	-	-	-	-	-	0.594	-	-	0.516	-	-	-	-	-	0.516
Integrated Logistics Support	-	-	0.000	-	-	-	-	-	0.613	-	-	0.116	-	-	-	-	-	0.116
Management Support	-	-	0.000	-	-	-	-	-	0.040	-	-	0.750	-	-	-	-	-	0.750
New Equipment Training	-	-	0.000	-	-	-	-	-	0.146	-	-	0.116	-	-	-	-	-	0.116
Total Package Fielding (spares)	-	-	0.000	-	-	-	-	-	0.475	-	-	0.190	-	-	-	-	-	0.190
<i>Subtotal: Support Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>2.208</i>	-	-	<i>2.347</i>	-	-	-	-	-	<i>2.347</i>

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>													<b>Date:</b> February 2015					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1						<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION						<b>Item Number / Title [DODIC]:</b> R12301 / CB PROTECTIVE SHELTER (CBPS)						

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :										<b>MDAP/MAIS Code:</b>							
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Gross/Weapon System Cost	-	-	0.000	-	-	-	-	-	30.400	-	-	15.001	-	-	-	-	-	15.001

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)

Hardware Cost																		
Recurring Cost																		
Prior/Future combined efforts	-	-	16.950	-	-	17.908	-	-	22.508	-	-	28.556	Continuing			Continuing		
CBPS UP-ARMORED <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Government Furnished Material	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	16.950	-	-	17.908	-	-	22.508	-	-	28.556	<i>Continuing</i>			<i>Continuing</i>		
<i>Subtotal: Hardware Cost</i>	-	-	16.950	-	-	17.908	-	-	22.508	-	-	28.556	<i>Continuing</i>			<i>Continuing</i>		

Support Cost																		
Care of Supplies in Storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
First Article Testing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Logistics Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Management Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Equipment Training	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Package Fielding (spares)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>16.950</b>	-	-	<b>17.908</b>	-	-	<b>22.508</b>	-	-	<b>28.556</b>	<b>Continuing</b>			<b>Continuing</b>		

**Remarks:**  
 Prior to FY 2015, the CB PROTECTIVE SHELTER (CBPS) program was reported under CBDP line item (BLIN) PA1600 - COLLECTIVE PROTECTION

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 and replaces the M51 Chemical Protective Shelter. The system consists of a Collectively Protected (CP) shelter modularized and integrated

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<b>Exhibit P-5, Cost Analysis:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION	<b>Item Number / Title [DODIC]:</b> R12301 / CB PROTECTIVE SHELTER (CBPS)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :		<b>MDAP/MAIS Code:</b>
<p>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 and biological protective clothing. The system is capable of operating continuously for 72 hours providing a contamination free environmentally controlled working area.</p> <p>Justification: FY16 procures 11 CBPS CB modules.</p> <p>(t) indicates the presence of a P-5a</p>		



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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2016 Chemical and Biological Defense Program							<b>Date:</b> February 2015					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1			<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION				<b>Item Number / Title [DODIC]:</b> R12301 / CB PROTECTIVE SHELTER (CBPS)					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
CBPS UP-ARMORED <sup>(†)</sup>		2015	Smiths Detection / Edgewood, MD	C / FFP	Natick, MA	Apr 2015	Apr 2016	38	728.737	Y		
CBPS UP-ARMORED <sup>(†)</sup>		2016	TBD / UNKNOWN	TBD	Natick, MA	Jan 2016	Mar 2017	11	1,139.182	Y		

<sup>(†)</sup> indicates the presence of a P-21

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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program															<b>Date:</b> February 2015														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1										<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION										<b>Item Number / Title [DODIC]:</b> R12301 / CB PROTECTIVE SHELTER (CBPS)									

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2015												Fiscal Year 2016													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015												Calendar Year 2016												
							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	B A L
CBPS UP-ARMORED																															
	1	2015	CBDP	.038	-	.038																									
Secondary Distribution			ARMY	.038	-	.038																									
	2	2016	CBDP	.011	-	.011																									
Secondary Distribution			ARMY	.011	-	.011																									
							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	B A L

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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program															<b>Date:</b> February 2015														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1										<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION										<b>Item Number / Title [DODIC]:</b> R12301 / CB PROTECTIVE SHELTER (CBPS)									

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2017												Fiscal Year 2018														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017												Calendar Year 2018												
							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	B A L
CBPS UP-ARMORED																															
	1	2015	CBDP	.038	.030	.008	.005	.003																					-		
Secondary Distribution			ARMY	.038	.030	.008	.005	.003																					-		
	2	2016	CBDP	.011	-	.011	-	-	-	-	-	.005	.005	.001															-		
Secondary Distribution			ARMY	.011	-	.011	-	-	-	-	-	.005	.005	.001															-		
							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	B A L

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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1		<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION
		<b>Item Number / Title [DODIC]:</b> R12301 / CB PROTECTIVE SHELTER (CBPS)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial			Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	Smiths Detection - Edgewood, MD	1	5	17	12	3	47	50	-	2	11	13
2	TBD - UNKNOWN	1	5	17	-	3	10	13	-	3	10	13

(‡) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule. "A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION	<b>Item Number / Title [DODIC]:</b> MA0401 / CBRN UNIFORM INTEGRATED PROTECTION ENSEMBLE (UIPE)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :						<b>MDAP/MAIS Code:</b>						
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	-	6.948	11.101	-	11.101	11.101	11.101	14.000	16.000	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	0.000	-	6.948	11.101	-	11.101	11.101	11.101	14.000	16.000	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>0.000</b>	-	<b>6.948</b>	<b>11.101</b>	-	<b>11.101</b>	<b>11.101</b>	<b>11.101</b>	<b>14.000</b>	<b>16.000</b>	<b>Continuing</b>	<b>Continuing</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2014</b>			<b>FY 2015</b>			<b>FY 2016 Base</b>			<b>FY 2016 OCO</b>			<b>FY 2016 Total</b>		
	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
Prior/Future combined efforts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UIPE 1 Protective Garment <sup>(1)</sup>	-	-	0.000	-	-	-	0.510	10,728	5.471	0.517	18,199	9.408	-	-	-	0.517	18,199	9.408
<i>Subtotal: Recurring Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>5.471</i>	-	-	<i>9.408</i>	-	-	-	-	-	<i>9.408</i>
<b>Subtotal: Hardware Cost</b>	-	-	<b>0.000</b>	-	-	-	-	-	<b>5.471</b>	-	-	<b>9.408</b>	-	-	-	-	-	<b>9.408</b>
<b>Support Cost</b>																		
Production Lot Testing	-	-	0.000	-	-	-	-	-	0.163	-	-	0.260	-	-	-	-	-	0.260
Program Management	-	-	0.000	-	-	-	-	-	0.713	-	-	1.129	-	-	-	-	-	1.129
Engineering Support	-	-	0.000	-	-	-	-	-	0.601	-	-	0.304	-	-	-	-	-	0.304
<i>Subtotal: Support Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>1.477</i>	-	-	<i>1.693</i>	-	-	-	-	-	<i>1.693</i>
<b>Gross/Weapon System Cost</b>	-	-	<b>0.000</b>	-	-	-	-	-	<b>6.948</b>	-	-	<b>11.101</b>	-	-	-	-	-	<b>11.101</b>

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION	<b>Item Number / Title [DODIC]:</b> MA0401 / CBRN UNIFORM INTEGRATED PROTECTION ENSEMBLE (UIPE)

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>
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Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
Prior/Future combined efforts	-	-	11.101	-	-	11.101	-	-	14.000	-	-	16.000	Continuing			Continuing		
UIPE 1 Protective Garment <sup>(1)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	11.101	-	-	11.101	-	-	14.000	-	-	16.000	<i>Continuing</i>			<i>Continuing</i>		
<i>Subtotal: Hardware Cost</i>	-	-	11.101	-	-	11.101	-	-	14.000	-	-	16.000	<i>Continuing</i>			<i>Continuing</i>		
Support Cost																		
Production Lot Testing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Program Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	11.101	-	-	11.101	-	-	14.000	-	-	16.000	<b>Continuing</b>			<b>Continuing</b>		

**Remarks:**

Prior to FY 2015, the CBRN UNIFORM INTEGRATED PROTECTION ENSEMBLE (UIPE) program was reported under CBDP line item (BLIN) GP1000 - INDIVIDUAL PROTECTION

The Uniform Integrated Protection Ensemble (UIPE) is a Chemical, Biological, Radiological, Nuclear (CBRN) protective system offering the capability to select a tailored material solution based on the expected threat level commensurate with operational mission requirements. Where appropriate, a family of systems approach that meets the scope of UIPE individual protection capability needs will be utilized. The objective of UIPE is to fully integrate CBRN and toxic industrial material (TIM) protections into an ensemble, identical in fit and form to the combat uniform (including mask - helmet integration and protective boots and gloves), thus negating the need for separate protective ensemble components. This integrated protection approach will result in increased warfighter operational performance in a CBRN environment. The UIPE program will develop, integrate, test, procure and field incremental capability solutions that are modular in function and offer improvements in form and fit over current systems; the program will explore trade-space in areas such as protection level, heat stress, durability, antimicrobial properties, flame resistance, launderability, self-detoxification, and protection time in order to provide capabilities that afford maximum utility to the warfighter. Where appropriate modeling and simulation tools will be used to lower UIPE program risks, reduce costs, and ensure a high confidence in selected technologies. UIPE is aimed specifically at providing enhanced individual protection capabilities to the warfighter through reduction of physiological and psychological effects associated with CBRN protective garment thermal burden, weight, and bulk. The UIPE program will consider modernization in order to ensure that the warfighter retains access to state of the art capability to support future operational mission requirements.

The UIPE Increment 1 (UIPE 1) protective system offers the capability to select a tailored material solution based on the expected threat level commensurate with operational mission requirements. This ability to tailor the type and level of the protective system will result in optimized protection, thereby minimizing physiological and psychological burdens associated with the weight, bulk, thermal strain, and encumbrance of wearing CBRN protective equipment on the Warfighter and affording the lowest impact on the operational mission. UIPE 1 will be designed to permit efficient communications, be compatible with current and developmental CBRN protective component systems, and retain CBRN protection capability after exposure to petroleum, oils, lubricants, and other environmental contaminants. UIPE 1 may include hooded and non-hooded variants and will be compatible with current clothing and equipment, including load-bearing equipment, helmets, headwear, footwear, body cooling systems, and protective masks of the respective Service and Special Operational Forces.

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<b>Exhibit P-5, Cost Analysis:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION	<b>Item Number / Title [DODIC]:</b> MA0401 / CBRN UNIFORM INTEGRATED PROTECTION ENSEMBLE (UIPE)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :		<b>MDAP/MAIS Code:</b>
<p>Justification: FY16 procures 18,199 UIPE Increment 1 garments to meet Joint Service CBRN equipment requirements.</p> <p>RDT&amp;E Code B Item: 0603884BP/Proj IP4; 0604384BP/Proj IP5</p> <p>IP4/UIPE: RDT&amp;E ; FY15 - 2.852M; FY16 - 4.217M; FY17 - 0.400M            IP5/UIPE: RDT&amp;E FY14 and Prior - 6.751M; FY17 - 3.835M; FY18 - 4.197M; FY19 - 6.329M; FY20 - 1.799M; FY21 - 4.459M</p> <p>DEVELOPMENT/TEST STATUS AND MAJOR MILESTONES</p> <p>UIPE - Integrated DT/OT (Mar 2012 to Dec 2012)            UIPE - Milestone C / LRIP: Jun 2013            UIPE - Approved CPD: Jul 2013            UIPE - Operational Test &amp; Evaluation (Sep 2013 to Dec 2013)            UIPE - Full Rate Production: Jan 2014            UIPE - SOCOM IOC: Mar 2016</p> <p>(t) indicates the presence of a P-5a</p>		

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2016 Chemical and Biological Defense Program							<b>Date:</b> February 2015					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1			<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION				<b>Item Number / Title [DODIC]:</b> MA0401 / CBRN UNIFORM INTEGRATED PROTECTION ENSEMBLE (UIPE)					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
UIPE 1 Protective Garment <sup>(†)</sup>		2015	Tennessee Apparel Corporation / Tullahoma, TN	C / FFP	RDECOM, Natick, MA	Jan 2015 <sup>(1)</sup>	Nov 2015	10,728	0.510	Y	Feb 2011	
UIPE 1 Protective Garment <sup>(†)</sup>		2016	Tennessee Apparel Corporation / Tullahoma, TN	C / FFP	RDECOM, Natick, MA	Jan 2016 <sup>(2)</sup>	Apr 2016	18,199	0.517	Y	Feb 2011	

<sup>(†)</sup> indicates the presence of a P-21

**Footnotes:**

<sup>(1)</sup> Opt 2

<sup>(2)</sup> Opt 3





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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1		<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION
		<b>Item Number / Title [DODIC]:</b> MA0401 / CBRN UNIFORM INTEGRATED PROTECTION ENSEMBLE (UIPE)

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2017												Fiscal Year 2018													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017												Calendar Year 2018												B A L
							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	
UIPE 1 Protective Garment																															
	1	2015	CBDP	10.728	10.728	-																									
Secondary Distribution			SOCOM	10.728	10.728	-																									
	1	2016	CBDP	18.199	11.272	6.927	2.000	2.000	2.000	.927																					
Secondary Distribution			SOCOM	18.199	11.272	6.927	2.000	2.000	2.000	.927																					
							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	

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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION	<b>Item Number / Title [DODIC]:</b> MA0401 / CBRN UNIFORM INTEGRATED PROTECTION ENSEMBLE (UIPE)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Tennessee Apparel Corporation - Tullahoma, TN	1,700	3,000	5,000	-	9	7	16	-	3	3	6

(‡) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule. "A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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<b>Exhibit P-3a, Individual Modification:</b> PB 2016 Chemical and Biological Defense Program										<b>Date:</b> February 2015		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1				<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION						<b>Modification Number / Title:</b> JN0014 / Collective Protection System Amphibious Backfit		

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	-	15.000	-	-	-	-	-	-	-	-	15.000
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	-	-	15.000	-	-	-	-	-	-	-	-	15.000
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	-	<b>15.000</b>	-	-	-	-	-	-	-	-	<b>15.000</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Collective Protection System (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 Shipboard Installation Drawings (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**

<b>Date</b>	<b>Title</b>	<b>Description</b>
Sep 2015	LHD-8 (USS MAKIN ISLAND)	

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<b>Exhibit P-3a, Individual Modification:</b> PB 2016 Chemical and Biological Defense Program										<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1				<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION						<b>Modification Number / Title:</b> JN0014 / Collective Protection System Amphibious Backfit			
<b>Models of Systems Affected:</b> LHD class ships				<b>Modification Type:</b> Force Protection				<b>Related RDT&amp;E PEs:</b>					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
<b>Procurement</b>													
<i>Modification Item 1 of 1:</i> Collective Protection System Amphibious Backfit													
B Kits													
Recurring													
Equipment	- / -	- / -	3 / 9.183	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 9.183	
<i>Subtotal: Recurring</i>	- / -	- / -	3 / 9.183	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 9.183	
<i>Subtotal: Collective Protection System Amphibious Backfit</i>	- / -	- / -	3 / 9.183	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 9.183	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	3 / 9.183	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 9.183	
<b>Support (All Modification Items)</b>													
Other	- / -	- / -	- / 0.617	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.617	
<i>Subtotal: Support</i>	- / -	- / -	- / 0.617	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.617	
<b>Installation</b>													
<i>Modification Item 1 of 1:</i> Collective Protection System Amphibious Backfit													
<i>Subtotal: Installation</i>	- / -	- / -	4 / 5.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 5.200	
<b>Total</b>													
<b>Total Cost (Procurement + Support + Installation)</b>	-	-	15.000	-	-	-	-	-	-	-	-	15.000	

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION	<b>Modification Number / Title:</b> JN0014 / Collective Protection System Amphibious Backfit

**Modification Item 1 of 1:** Collective Protection System Amphibious Backfit

<b>Manufacturer Information</b>							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 10			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Mar 2015					
Delivery Dates			Nov 2015				

**Installation Information**

**Method of Implementation:** Alteration Installation Teams (AITs).

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	4 / 5.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 5.200
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	4 / 5.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 5.200

**Installation Schedule**

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	28	-	1	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32
Out	28	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>										<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1					<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION					<b>Item Number / Title [DODIC]:</b> JD0063 / CONTAMINATED HUMAN REMAINS POUCH (CHRP)			

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :							<b>MDAP/MAIS Code:</b>					
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<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	-	3.365	1.542	-	1.542	-	-	-	-	-	4.907
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	0.000	-	3.365	1.542	-	1.542	-	-	-	-	-	4.907
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>0.000</b>	-	<b>3.365</b>	<b>1.542</b>	-	<b>1.542</b>	-	-	-	-	-	<b>4.907</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2014</b>			<b>FY 2015</b>			<b>FY 2016 Base</b>			<b>FY 2016 OCO</b>			<b>FY 2016 Total</b>		
	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
CHRP System	-	-	0.000	-	-	-	0.611	450	0.275	0.610	1,050	0.641	-	-	-	0.610	1,050	0.641
CHRP Variant E System	-	-	0.000	-	-	-	4.425	113	0.500	-	-	-	-	-	-	-	-	-
First Article/Production Testing	-	-	0.000	-	-	-	-	-	1.074	-	-	0.586	-	-	-	-	-	0.586
Government Furnished Materials	-	-	0.000	-	-	-	-	-	0.505	-	-	-	-	-	-	-	-	-
<b>Subtotal: Recurring Cost</b>	-	-	<b>0.000</b>	-	-	-	-	-	<b>2.354</b>	-	-	<b>1.227</b>	-	-	-	-	-	<b>1.227</b>
<b>Subtotal: Hardware Cost</b>	-	-	<b>0.000</b>	-	-	-	-	-	<b>2.354</b>	-	-	<b>1.227</b>	-	-	-	-	-	<b>1.227</b>
<b>Support Cost</b>																		
Program Management Support	-	-	0.000	-	-	-	-	-	1.011	-	-	0.315	-	-	-	-	-	0.315
<b>Subtotal: Support Cost</b>	-	-	<b>0.000</b>	-	-	-	-	-	<b>1.011</b>	-	-	<b>0.315</b>	-	-	-	-	-	<b>0.315</b>
<b>Gross/Weapon System Cost</b>	-	-	<b>0.000</b>	-	-	-	-	-	<b>3.365</b>	-	-	<b>1.542</b>	-	-	-	-	-	<b>1.542</b>

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis:</b> PB 2016 Chemical and Biological Defense Program													<b>Date:</b> February 2015					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1						<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION						<b>Item Number / Title [DODIC]:</b> JD0063 / CONTAMINATED HUMAN REMAINS POUCH (CHRP)						

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :										<b>MDAP/MAIS Code:</b>							
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Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
CHRP System	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.916
CHRP Variant E System	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.500
First Article/Production Testing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.660
Government Furnished Materials	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.505
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<i>3.581</i>
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<i>3.581</i>
Support Cost																		
Program Management Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.326
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<i>1.326</i>
<b>Gross/Weapon System Cost</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>4.907</b>

**Remarks:**

The Contaminated Human Remains Pouch (CHRP) will procure systems with the capability to protect personnel handling and processing human remains contaminated with Chemical Biological Radiological (CBR) contamination for safe intra-theater transport. The CHRP provides the warfighter the capability to safely handle, transport, and temporarily store or inter contaminated human remains in a theater of operations.

Justification: FY16 funds will procure 1,050 CHRP systems.



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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>										<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1				<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION						<b>Item Number / Title [DODIC]:</b> JD0050 / DECONTAMINATION FAMILY OF SYSTEMS (DFoS)			

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :							<b>MDAP/MAIS Code:</b>					
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	0.000	-	3.450	7.254	-	7.254	10.037	12.621	20.817	15.874	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	-	3.450	7.254	-	7.254	10.037	12.621	20.817	15.874	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	<b>0.000</b>	<b>-</b>	<b>3.450</b>	<b>7.254</b>	<b>-</b>	<b>7.254</b>	<b>10.037</b>	<b>12.621</b>	<b>20.817</b>	<b>15.874</b>	<b>Continuing</b>	<b>Continuing</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
Prior/Future combined efforts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DFOS GPD - GPD - General Purpose Decontaminants	-	-	0.000	-	-	-	0.030	28,336	0.850	0.030	73,296	2.199	-	-	-	0.030	73,296	2.199
DFOS JSEW - JSEW - Equipment Decontamination Wipes	-	-	0.000	-	-	-	0.011	190,379	1.999	0.011	291,588	3.062	-	-	-	0.011	291,588	3.062
<i>Subtotal: Recurring Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>2.849</i>	-	-	<i>5.261</i>	-	-	-	-	-	<i>5.261</i>
<i>Subtotal: Hardware Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>2.849</i>	-	-	<i>5.261</i>	-	-	-	-	-	<i>5.261</i>
Support Cost																		
GPD Production Lot Testing	-	-	0.000	-	-	-	-	-	0.047	-	-	0.150	-	-	-	-	-	0.150
GPD Program Management Support	-	-	0.000	-	-	-	-	-	0.103	-	-	0.268	-	-	-	-	-	0.268
JSEW Production Lot Testing	-	-	0.000	-	-	-	-	-	0.200	-	-	0.380	-	-	-	-	-	0.380
JSEW Engineering Support	-	-	0.000	-	-	-	-	-	-	-	-	0.720	-	-	-	-	-	0.720

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>														<b>Date:</b> February 2015				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1							<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION							<b>Item Number / Title [DODIC]:</b> JD0050 / DECONTAMINATION FAMILY OF SYSTEMS (DFoS)				

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :										<b>MDAP/MAIS Code:</b>								
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
JSEW Program Management Support	-	-	0.000	-	-	-	-	-	0.251	-	-	0.475	-	-	-	-	-	0.475
<i>Subtotal: Support Cost</i>	-	-	0.000	-	-	-	-	-	0.601	-	-	1.993	-	-	-	-	-	1.993
<b>Gross/Weapon System Cost</b>	-	-	<b>0.000</b>	-	-	-	-	-	<b>3.450</b>	-	-	<b>7.254</b>	-	-	-	-	-	<b>7.254</b>

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
Prior/Future combined efforts	-	-	10.037	-	-	12.621	-	-	20.817	-	-	15.874	Continuing			Continuing		
DFOS GPD - GPD - General Purpose Decontaminants	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DFOS JSEW - JSEW - Equipment Decontamination Wipes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	10.037	-	-	12.621	-	-	20.817	-	-	15.874	Continuing			Continuing		
<i>Subtotal: Hardware Cost</i>	-	-	10.037	-	-	12.621	-	-	20.817	-	-	15.874	Continuing			Continuing		
<b>Support Cost</b>																		
GPD Production Lot Testing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GPD Program Management Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JSEW Production Lot Testing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JSEW Engineering Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JSEW Program Management Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>10.037</b>	-	-	<b>12.621</b>	-	-	<b>20.817</b>	-	-	<b>15.874</b>	<b>Continuing</b>			<b>Continuing</b>		

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<b>Exhibit P-5, Cost Analysis:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION	<b>Item Number / Title [DODIC]:</b> JD0050 / DECONTAMINATION FAMILY OF SYSTEMS (DFoS)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :		<b>MDAP/MAIS Code:</b>
<p><b>Remarks:</b>                  The Decontamination Family of Systems (DFoS) - General Purpose Decontaminant (GPD) Program will provide thorough and operational decontamination capabilities for Hardened Military Equipment (HME), to include tactical vehicles, shipboard surfaces, crew-served weapons, and individual weapons, in hostile and non-hostile environments where it is reasonable to expect chemical, biological, radiological, and nuclear (CBRN) and Non-Traditional Agents (NTA) weapons will be employed or Toxic Industrial Materials (TIMs) may be encountered. The GPD will be employed within the integrated battle space as a means to decontaminate hazards posing threats to military personnel and operations including peacekeeping, stability and support, or consequence management operations. The GPD will be applied directly to the contaminated surface and be capable of reducing/neutralizing Chemical and Biological (CB) contamination to thorough levels within thirty (30) minutes of application. The GPD will be compatible with hardened materials consistent with those found on a Detailed Equipment Decontamination (DED) line. The GPD will be safe, suitable and compatible with HME and be operable in all operational environments that have been exposed to CB contamination.</p> <p>The The Decontamination Family of Systems (DFoS) - Joint Service Equipment Wipe (JSEW) Program will provide Warfighters with an immediate/operational decontamination capability for sensitive and non-sensitive equipment that has been exposed to chemical agents/contamination. There is currently no documented decontamination capability that is non-destructive to sensitive equipment. The JSEW will be applied directly to contaminated sensitive and non-sensitive equipment and will be capable of removing gross contamination within five minutes following application. The JSEW will provide the means to minimize or negate the vulnerability to and effects of chemical attacks for peacekeeping, stability and support or consequence management operations.</p> <p>Justification: FY16 funds will procure 73,300 gallons of GPD chemical and biological (CB) agent thorough decontaminants for hardened military equipment and 291,619 JSEW chemical agent equipment decontamination wipes for sensitive and non-sensitive equipment.</p>		

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>										<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1					<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION					<b>Item Number / Title [DODIC]:</b> JX0005 / DOD BIOLOGICAL VACCINE PROCUREMENT (VACCINES)			

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B							<b>MDAP/MAIS Code:</b>					
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	-	6.412	0.185	-	0.185	0.185	0.185	3.848	10.882	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	0.000	-	6.412	0.185	-	0.185	0.185	0.185	3.848	10.882	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>0.000</b>	-	<b>6.412</b>	<b>0.185</b>	-	<b>0.185</b>	<b>0.185</b>	<b>0.185</b>	<b>3.848</b>	<b>10.882</b>	<b>Continuing</b>	<b>Continuing</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Hardware Cost</b>																		
Recurring Cost																		
Prior/Future combined efforts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VAC BOT - Consistency Lot Production	-	-	0.000	-	-	-	-	-	6.227	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>6.227</i>	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>6.227</i>	-	-	-	-	-	-	-	-	-
<b>Package Fielding Cost</b>																		
Recurring Cost																		
Vaccinia Immune Globulin-Support Costs	-	-	0.000	-	-	-	-	-	0.185	-	-	0.185	-	-	-	-	-	0.185
<i>Subtotal: Recurring Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>0.185</i>	-	-	<i>0.185</i>	-	-	-	-	-	<i>0.185</i>
<i>Subtotal: Package Fielding Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>0.185</i>	-	-	<i>0.185</i>	-	-	-	-	-	<i>0.185</i>
<b>Gross/Weapon System Cost</b>	-	-	<b>0.000</b>	-	-	-	-	-	<b>6.412</b>	-	-	<b>0.185</b>	-	-	-	-	-	<b>0.185</b>

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>												<b>Date:</b> February 2015					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1						<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION						<b>Item Number / Title [DODIC]:</b> JX0005 / DOD BIOLOGICAL VACCINE PROCUREMENT (VACCINES)					

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B										<b>MDAP/MAIS Code:</b>							
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Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
Prior/Future combined efforts	-	-	0.185	-	-	0.185	-	-	3.848	-	-	10.882	Continuing			Continuing		
VAC BOT - Consistency Lot Production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	0.185	-	-	0.185	-	-	3.848	-	-	10.882	<i>Continuing</i>			<i>Continuing</i>		
<i>Subtotal: Hardware Cost</i>	-	-	0.185	-	-	0.185	-	-	3.848	-	-	10.882	<i>Continuing</i>			<i>Continuing</i>		
Package Fielding Cost																		
Recurring Cost																		
Vaccinia Immune Globulin-Support Costs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Package Fielding Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>0.185</b>	-	-	<b>0.185</b>	-	-	<b>3.848</b>	-	-	<b>10.882</b>	<b>Continuing</b>			<b>Continuing</b>		

**Remarks:**

Prior to FY 2015, the DOD BIOLOGICAL VACCINE PROCUREMENT (VACCINES) program was reported under CBDP line item (BLIN) MA0800 - JOINT BIO DEFENSE PROGRAM (MEDICAL)

The biological vaccine procurement program is critical for national defense. These products directly support the Secretary of Defense program to maintain a DoD capability to acquire and stockpile adequate quantities of all Biological Warfare (BW) vaccines to protect the programmed force against validated BW agents. Items currently in the stockpile 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, equipment validation, process change management, documentation control, and all FDA license maintenance and post-approval commitments (Phase 4 clinical trials). The annual vaccination program for the Services is funded by the Defense Health Program.

Justification: FY15 and FY16 funds procure the biologic VIGIV support for shipping costs associated with emergency use product. Funds are also required for the Recombinant Botulinum A/B Vaccine Program to manufacture consistency lots at the new Contract Manufacturing Organization. These consistency lots will be fielded to support IOC.

RDT&E Code B Item: 0603884BP/Proj MB4; 0604384BP/Proj MB5

MB4/VAC BOT: RDT&E FY14 and Prior - 106.426M; FY21 - 14.084M

MB4/VACCINES: RDT&E FY14 and Prior - 59.662M

MB5/VAC BOT: RDT&E FY14 and Prior - 236.825M; FY15 - 52.562M; FY16 - 16.774M; FY17 - 13.607M; FY18 - 37.625M; FY19 - 49.633M; FY20 - 46.732M

MB5/VAC PLG: RDT&E FY14 and Prior - 313.677M; FY15 - 36.214M; FY16 - 17.498M; FY17 - 47.298M; FY18 - 43.739M; FY19 - 10.324M; FY20 - 9.659M

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<b>Exhibit P-5, Cost Analysis:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION	<b>Item Number / Title [DODIC]:</b> JX0005 / DOD BIOLOGICAL VACCINE PROCUREMENT (VACCINES)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B MB5/VACCINES: RDT&E FY14 and Prior - 74.717M	<b>MDAP/MAIS Code:</b>	

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>										<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1				<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION						<b>Item Number / Title [DODIC]:</b> JP1111 / JOINT EXPEDITIONARY COLLECTIVE PROTECTION (JECP)			

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :							<b>MDAP/MAIS Code:</b>					
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	-	15.898	5.864	-	5.864	14.381	14.037	26.020	25.418	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	-	15.898	5.864	-	5.864	14.381	14.037	26.020	25.418	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>-</b>	<b>15.898</b>	<b>5.864</b>	<b>-</b>	<b>5.864</b>	<b>14.381</b>	<b>14.037</b>	<b>26.020</b>	<b>25.418</b>	<b>Continuing</b>	<b>Continuing</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
Prior/Future combined efforts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tent Kit 2 <sup>(f)</sup>	-	-	0.000	-	-	-	143.857	7	1.007	146.333	12	1.756	-	-	-	146.333	12	1.756
Structure Kit - Improved <sup>(f)</sup>	-	-	0.000	-	-	-	105.333	12	1.264	107.167	6	0.643	-	-	-	107.167	6	0.643
STANDALONE SHELTER - Stand Alone - Large <sup>(f)</sup>	-	-	0.000	-	-	-	232.826	23	5.355	236.667	9	2.130	-	-	-	236.667	9	2.130
STANDALONE SHELTER - GFE Generators	-	-	0.000	-	-	-	29.739	23	0.684	30.222	9	0.272	-	-	-	30.222	9	0.272
TRANSPORT ISOLATION SYSTEM - Isolation Modules <sup>(f)</sup>	-	-	0.000	-	-	-	141.682	22	3.117	-	-	-	-	-	-	-	-	-
Spares	-	-	0.000	-	-	-	-	-	0.084	-	-	0.048	-	-	-	-	-	0.048
Engineering Changes/ Refurbish (TIS)	-	-	0.000	-	-	-	-	-	1.500	-	-	-	-	-	-	-	-	-
<b>Subtotal: Recurring Cost</b>	<b>-</b>	<b>-</b>	<b>0.000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>13.011</b>	<b>-</b>	<b>-</b>	<b>4.849</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4.849</b>
<b>Subtotal: Hardware Cost</b>	<b>-</b>	<b>-</b>	<b>0.000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>13.011</b>	<b>-</b>	<b>-</b>	<b>4.849</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4.849</b>

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>													<b>Date:</b> February 2015					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1						<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION						<b>Item Number / Title [DODIC]:</b> JP1111 / JOINT EXPEDITIONARY COLLECTIVE PROTECTION (JECP)						

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :										<b>MDAP/MAIS Code:</b>							
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Logistics Cost																		
Recurring Cost																		
Systems Engineering	-	-	0.000	-	-	-	-	-	1.121	-	-	-	-	-	-	-	-	-
Technical Data	-	-	0.000	-	-	-	-	-	0.001	-	-	0.001	-	-	-	-	-	0.001
<i>Subtotal: Recurring Cost</i>	-	-	0.000	-	-	-	-	-	1.122	-	-	0.001	-	-	-	-	-	0.001
<i>Subtotal: Logistics Cost</i>	-	-	0.000	-	-	-	-	-	1.122	-	-	0.001	-	-	-	-	-	0.001
Support Cost																		
Program Management and Support	-	-	0.000	-	-	-	-	-	1.732	-	-	0.961	-	-	-	-	-	0.961
Engineer Changes/ Modifications	-	-	0.000	-	-	-	-	-	0.033	-	-	0.053	-	-	-	-	-	0.053
<i>Subtotal: Support Cost</i>	-	-	0.000	-	-	-	-	-	1.765	-	-	1.014	-	-	-	-	-	1.014
<b>Gross/Weapon System Cost</b>	-	-	<b>0.000</b>	-	-	-	-	-	<b>15.898</b>	-	-	<b>5.864</b>	-	-	-	-	-	<b>5.864</b>

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
Prior/Future combined efforts	-	-	14.381	-	-	14.037	-	-	26.020	-	-	25.418	Continuing			Continuing		
Tent Kit 2 <sup>(t)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Structure Kit - Improved <sup>(t)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STANDALONE SHELTER - Stand Alone - Large <sup>(t)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STANDALONE SHELTER - GFE Generators	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRANSPORT ISOLATION SYSTEM - Isolation Modules <sup>(t)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spares	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>													<b>Date:</b> February 2015					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1						<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION						<b>Item Number / Title [DODIC]:</b> JP1111 / JOINT EXPEDITIONARY COLLECTIVE PROTECTION (JECP)						

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :										<b>MDAP/MAIS Code:</b>							
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Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Engineering Changes/ Refurbish (TIS)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	14.381	-	-	14.037	-	-	26.020	-	-	25.418	Continuing			Continuing		
<i>Subtotal: Hardware Cost</i>	-	-	14.381	-	-	14.037	-	-	26.020	-	-	25.418	Continuing			Continuing		
Logistics Cost																		
Recurring Cost																		
Systems Engineering	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Technical Data	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Logistics Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support Cost																		
Program Management and Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineer Changes/ Modifications	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>14.381</b>	-	-	<b>14.037</b>	-	-	<b>26.020</b>	-	-	<b>25.418</b>	<b>Continuing</b>			<b>Continuing</b>		

**Remarks:**

Prior to FY 2015, the JOINT EXPEDITIONARY COLLECTIVE PROTECTION (JECP) program was reported under CBDP line item (BLIN) PA1600 - COLLECTIVE PROTECTION

Joint Expeditionary Collective Protection (JECP) provides the Joint expeditionary forces a collective protection (CP) capability which is lightweight, compact, modular, and affordable. The JECP family of systems (FoS) include tent kits, structure kits, and standalone shelters that allow the application of CP to transportable soft-side shelters, enclosed spaces of opportunity, and remote austere locations as a standalone resource. JECP is capable of protecting personnel groups of varying size, unencumbered by individual protective equipment (IPE), from effects of chemical and biological (CB) agents, radiological (R) particles, toxic industrial materials (TIMs), heat, dust, and sand.

Tent kits consist of a CB protective liner, airlock system, and a CB filtration blower system. Tent Kit-1 interfaces with the US Navy's Base-X 303 and 305 general purpose tents and all organic Base-X equipment including the environmental control unit and power systems. Tent Kit-2 interfaces with the Air Force Small Shelter System (ASSS) general purpose tents and all organic ASSS equipment including the environmental control unit and power systems.

Structure kits may include a floorless CB protective liner or a CB protective liner with a floor, an airlock system, and a CB filtration blower system. Structure Kit-Improved (SK-I) is retrofitted to structures such as office buildings, warehouses, or hangars that provide coherent walls and roofing, ventilation systems, doors and windows, and power. Structure Kit-Unimproved (SK-UI)/Standalone Shelter System-Medium (SA-M) are retrofitted to structures such as huts, sheds or other rudimentary structures (SK-UI) that do not have any available electrical power, but provide environmental and other basic elemental protection. This configuration uses a passive CP system relying on natural airflow through protective panels.

Standalone large shelter (SA-L) is an all encompassing active CP shelter for multi-service use for up to 20 people. SA-L provides a general purpose tent system, chemical and biological (CB) protective liner, an airlock system, a CB filtration blower system, an environmental control unit and all necessary power and ancillary equipment.

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION	<b>Item Number / Title [DODIC]:</b> JP1111 / JOINT EXPEDITIONARY COLLECTIVE PROTECTION (JECP)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :		<b>MDAP/MAIS Code:</b>
<p>The Transport Isolation System (TIS) provides an aeromedical evacuation capability to transport up to 12 patients that have contagious and/or infectious diseases (e.g. Ebola) while protecting the aircrew, airframe and all other support personnel from infection. C-17 and C-130 aircraft will provide air transport of the TIS and personnel. The users of the TIS will be USTRANSCOM. TIS will be leveraged in support of future CBRN protection technologies.</p> <p>Justification: FY16 procures 27 JECP systems in the following configurations: 12 tent kit 2s, 6 shelter kit-improved, and 9 standalone large shelters. The employment of JECP is a strategic deterrence against enemy use of CBR agents or TIMs, and will reduce the need for personnel and equipment decontamination.</p> <p>RDT&amp;E Code B Item: 0604384BP/Proj CO5</p> <p>CO5/JECP: RDT&amp;E FY14 and Prior - 91.550M; FY15 - 4.617M; FY16 - 7.361M</p> <p>DEVELOPMENT/TEST STATUS AND MAJOR MILESTONES</p> <p>JECP - Capability Production Document (CPD): Jan 2013          JECP - Milestone C LRIP Decision: Feb 2013          JECP - Low-Rate Initial Production Contract Option: Sep 2013          JECP - Production Verification Testing (PVT) (Apr 2014 to Apr 2015)          JECP - Multi-service Operational Test and Evaluation I (Apr 2015 to May 2015)          JECP - Multi-service Operational Test and Evaluation II (Jan 2016 to Mar 2016)          JECP - Full Rate Production Decision Review: Oct 2016          JECP - Initial Operational Capability: Sep 2021          JECP - Full Operational Capability: Sep 2030</p> <p>(t) indicates the presence of a P-5a</p>		

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**Exhibit P-5a, Procurement History and Planning:** PB 2016 Chemical and Biological Defense Program **Date:** February 2015

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION	<b>Item Number / Title [DODIC]:</b> JP1111 / JOINT EXPEDITIONARY COLLECTIVE PROTECTION (JECP)
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Tent Kit 2 <sup>(†)</sup>		2015	Leidos / Abingdon, MD	C / FFP	Aberdeen, MD	Apr 2015 <sup>(3)</sup>	Dec 2015	7	143.857	Y		Feb 2008
Tent Kit 2 <sup>(†)</sup>		2016	Leidos / Abingdon, MD	C / FFP	Aberdeen, MD	Nov 2015	Jun 2016	12	146.333	Y		
Structure Kit - Improved <sup>(†)</sup>		2015	Leidos / Abingdon, MD	C / FFP	Aberdeen, MD	Apr 2015 <sup>(4)</sup>	Feb 2016	12	105.333	Y		Feb 2008
Structure Kit - Improved <sup>(†)</sup>		2016	Leidos / Abingdon, MD	C / FFP	Aberdeen, MD	Nov 2015	Jun 2016	6	107.167	Y		
STANDALONE SHELTER - Stand Alone - Large <sup>(†)</sup>		2015	Leidos / Abingdon, MD	C / FFP	Aberdeen, MD	Apr 2015 <sup>(5)</sup>	Oct 2015	23	232.826	Y		Feb 2008
STANDALONE SHELTER - Stand Alone - Large <sup>(†)</sup>		2016	Leidos / Abingdon, MD	C / FFP	Aberdeen, MD	Nov 2015	Apr 2016	9	236.667	Y		
TRANSPORT ISOLATION SYSTEM - Isolation Modules <sup>(†)</sup>		2015	Production Products Inc. / St Louis, MO	SS / FFP	Natick, MA	Nov 2014	Jan 2015	22	141.682	Y		Oct 2014

<sup>(†)</sup> indicates the presence of a P-21

**Footnotes:**

- <sup>(3)</sup> - LRIP
- <sup>(4)</sup> - LRIP
- <sup>(5)</sup> - LRIP



**UNCLASSIFIED**

<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1		<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION
		<b>Item Number / Title [DODIC]:</b> JP1111 / JOINT EXPEDITIONARY COLLECTIVE PROTECTION (JECP)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial			Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	Leidos - Abingdon, MD	5	20	45	-	6	5	11	-	1	5	6
2	Leidos - Abingdon, MD	5	20	45	-	6	5	11	-	1	5	6
3	Leidos - Abingdon, MD	5	20	45	-	6	5	11	-	1	5	6
4	Production Products Inc. - St Louis, MO	12	20	24	-	1	1	2	-	-	-	-

(†) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule. "A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>										<b>Date:</b> February 2015		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1				<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION						<b>Item Number / Title [DODIC]:</b> JI0003 / JOINT SERVICE GENERAL PURPOSE MASK (JSGPM)		

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :							<b>MDAP/MAIS Code:</b>					
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	-	61.131	60.777	-	60.777	55.118	48.982	-	-	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	-	61.131	60.777	-	60.777	55.118	48.982	-	-	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>-</b>	<b>61.131</b>	<b>60.777</b>	<b>-</b>	<b>60.777</b>	<b>55.118</b>	<b>48.982</b>	<b>-</b>	<b>-</b>	<b>Continuing</b>	<b>Continuing</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Hardware Cost</b>																		
Recurring Cost																		
Prior/Future combined efforts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JSGPM - Ground/Ship (M50) <sup>(†)</sup>	-	-	0.000	-	-	-	0.249	144,000	35.856	0.255	156,600	39.933	-	-	-	0.255	156,600	39.933
<i>Subtotal: Recurring Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>35.856</i>	-	-	<i>39.933</i>	-	-	-	-	-	<i>39.933</i>
<b>Subtotal: Hardware Cost</b>	-	-	<b>0.000</b>	-	-	-	-	-	<b>35.856</b>	-	-	<b>39.933</b>	-	-	-	-	-	<b>39.933</b>
<b>Support Cost</b>																		
Engineering Support	-	-	0.000	-	-	-	-	-	2.830	-	-	2.100	-	-	-	-	-	2.100
System Fielding Support (Total Package Fielding (TPF), First Destination Transportation (FDT) & N...	-	-	0.000	-	-	-	-	-	4.756	-	-	2.794	-	-	-	-	-	2.794
Initial Spares	-	-	0.000	-	-	-	-	-	10.926	-	-	9.850	-	-	-	-	-	9.850
Gov't Program Management	-	-	0.000	-	-	-	-	-	6.113	-	-	5.100	-	-	-	-	-	5.100
Production Acceptance Test	-	-	0.000	-	-	-	-	-	0.650	-	-	1.000	-	-	-	-	-	1.000
<i>Subtotal: Support Cost</i>	-	-	<i>0.000</i>	-	-	-	-	-	<i>25.275</i>	-	-	<i>20.844</i>	-	-	-	-	-	<i>20.844</i>
<b>Gross/Weapon System Cost</b>	-	-	<b>0.000</b>	-	-	-	-	-	<b>61.131</b>	-	-	<b>60.777</b>	-	-	-	-	-	<b>60.777</b>

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>													<b>Date:</b> February 2015					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1						<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION						<b>Item Number / Title [DODIC]:</b> JI0003 / JOINT SERVICE GENERAL PURPOSE MASK (JSGPM)						

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :										<b>MDAP/MAIS Code:</b>							
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Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
Prior/Future combined efforts	-	-	55.118	-	-	48.982	-	-	-	-	-	-	-	-	-	-	-	-
JSGPM - Ground/Ship (M50) <sup>(t)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	55.118	-	-	48.982	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	55.118	-	-	48.982	-	-	-	-	-	-	-	-	-	-	-	-
Support Cost																		
Engineering Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
System Fielding Support (Total Package Fielding (TPF), First Destination Transportation (FDT) & N...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Initial Spares	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gov't Program Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production Acceptance Test	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	55.118	-	-	48.982	-	-	-	-	-	-	-	-	-	-	-	-
													<b>Continuing</b>			<b>Continuing</b>		

**Remarks:**  
Prior to FY 2015, the JOINT SERVICE GENERAL PURPOSE MASK (JSGPM) program was reported under CBDP line item (BLIN) GP1000 - INDIVIDUAL PROTECTION

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 U.S. Joint Forces from anticipated threats. The JSGPM provides above-the-neck, head/eye/respiratory protection against Chemical and Biological (CB) agents, radioactive particles, and Toxic Industrial Materials (TIMs). The mask design is 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 replaces 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 replaces the M45 mask in the Land Warrior program. This can significantly reduce the number of masks that will have to be logistically supported by the Department of Defense. The M50 is the ground/ship version of the JSGPM. The M51 is the combat vehicle crewman version of the JSGPM. The M53 is the special operation version of the JSGPM.

Justification: FY16 funds support procurement of 156,600 JSGPM Ground/Ship (M-50) masks to support Army requirements.

(t) indicates the presence of a P-5a

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2016 Chemical and Biological Defense Program							<b>Date:</b> February 2015					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1			<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION				<b>Item Number / Title [DODIC]:</b> JI0003 / JOINT SERVICE GENERAL PURPOSE MASK (JSGPM)					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
JSGPM - Ground/Ship (M50) <sup>(†)</sup>		2015	AVON Protection Systems Inc. / Cadillac, MI	C / FPIF	RDECOM, APG, MD	Dec 2014 <sup>(6)</sup>	Mar 2015	144,000	0.249	Y		
JSGPM - Ground/Ship (M50) <sup>(†)</sup>		2016	AVON Protection Systems Inc. / Cadillac, MI	C / FPIF	RDECOM, APG, MD	Dec 2015 <sup>(7)</sup>	Mar 2016	156,600	0.255	Y		

<sup>(†)</sup> indicates the presence of a P-21

**Footnotes:**

<sup>(6)</sup> Opt 4

<sup>(7)</sup> Opt 4



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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program															<b>Date:</b> February 2015														
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1										<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION										<b>Item Number / Title [DODIC]:</b> JI0003 / JOINT SERVICE GENERAL PURPOSE MASK (JSGPM)									

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2015															Fiscal Year 2016																
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015															Calendar Year 2016															
							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	B A L						
JSGPM - Ground/Ship (M50)																																					
	1	2015	CBDP	144.000	-	144.000			A -	-	-	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000						-				
Secondary Distribution			ARMY	144.000	-	144.000			A -	-	-	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000						-				
	1	2016	CBDP	156.600	-	156.600																				A -	-	-	13.050	13.050	13.050	13.050	13.050	13.050	13.050	13.050	65.250
Secondary Distribution			ARMY	156.600	-	156.600																				A -	-	-	13.050	13.050	13.050	13.050	13.050	13.050	13.050	13.050	65.250
							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	B A L						

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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1		<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION
		<b>Item Number / Title [DODIC]:</b> JI0003 / JOINT SERVICE GENERAL PURPOSE MASK (JSGPM)

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2017										Fiscal Year 2018															
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017										Calendar Year 2018										B A L				
							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
JSGPM - Ground/Ship (M50)																															
	1	2015	CBDP	144.000	144.000	-																							-		
Secondary Distribution			ARMY	144.000	144.000	-																							-		
	1	2016	CBDP	156.600	91.350	65.250	13.050	13.050	13.050	13.050	13.050																		-		
Secondary Distribution			ARMY	156.600	91.350	65.250	13.050	13.050	13.050	13.050	13.050																		-		
							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	B A L

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<b>Exhibit P-21, Production Schedule:</b> PB 2016 Chemical and Biological Defense Program								<b>Date:</b> February 2015				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1				<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION				<b>Item Number / Title [DODIC]:</b> JI0003 / JOINT SERVICE GENERAL PURPOSE MASK (JSGPM)				
		<b>Production Rates (Each / Month)</b>			<b>Procurement Leadtime (Months)</b>							
<b>MFR Ref #</b>	<b>MFR Name - Location</b>	<b>MSR For 2016</b>	<b>1-8-5 For 2016</b>	<b>MAX For 2016</b>	<b>Initial</b>			<b>Reorder</b>				
					<b>ALT Prior to Oct 1</b>	<b>ALT After Oct 1</b>	<b>Mfg PLT</b>	<b>Total After Oct 1</b>	<b>ALT Prior to Oct 1</b>	<b>ALT After Oct 1</b>	<b>Mfg PLT</b>	<b>Total After Oct 1</b>
1	AVON Protection Systems Inc. - Cadillac, MI	8,333	17,000	21,554	-	3	10	13	-	2	3	5

(‡) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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**Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program** **Date:** February 2015

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION	<b>Item Number / Title [DODIC]:</b> JI0002 / JS AIRCREW MASK (JSAM)
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**ID Code** (A=Service Ready, B=Not Service Ready) : B **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	-	11.526	24.630	-	24.630	54.447	61.961	55.136	50.374	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	0.000	-	11.526	24.630	-	24.630	54.447	61.961	55.136	50.374	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>0.000</b>	<b>-</b>	<b>11.526</b>	<b>24.630</b>	<b>-</b>	<b>24.630</b>	<b>54.447</b>	<b>61.961</b>	<b>55.136</b>	<b>50.374</b>	<b>Continuing</b>	<b>Continuing</b>

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
Prior/Future combined efforts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JSAM RW MPU-5 Hardware - LRIP <sup>(†)</sup>	-	-	0.000	-	-	-	4.500	1,240	5.580	4.498	558	2.510	-	-	-	4.498	558	2.510
JSAM SA - MM53 - LRIP <sup>(†)</sup>	-	-	0.000	-	-	-	-	-	-	2.316	2,549	5.904	-	-	-	2.316	2,549	5.904
JSAM TA - Mask - LRIP <sup>(†)</sup>	-	-	0.000	-	-	-	-	-	-	13.019	529	6.887	-	-	-	13.019	529	6.887
<b>Subtotal: Recurring Cost</b>	<b>-</b>	<b>-</b>	<b>0.000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>5.580</b>	<b>-</b>	<b>-</b>	<b>15.301</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>15.301</b>
<b>Non Recurring Cost</b>																		
JSAM FW - A/ P22P-14(A) - USAF Readiness <sup>(†)</sup>	-	-	0.000	-	-	-	12.400	140	1.736	-	-	-	-	-	-	-	-	-
<b>Subtotal: Non Recurring Cost</b>	<b>-</b>	<b>-</b>	<b>0.000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1.736</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Subtotal: Hardware Cost</b>	<b>-</b>	<b>-</b>	<b>0.000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>7.316</b>	<b>-</b>	<b>-</b>	<b>15.301</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>15.301</b>
<b>Logistics Cost</b>																		
<b>Recurring Cost</b>																		
JSAM RW MPU-5 - Tooling	-	-	0.000	-	-	-	-	-	0.287	-	-	0.020	-	-	-	-	-	0.020

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<b>Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program</b>													<b>Date:</b> February 2015					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1						<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION						<b>Item Number / Title [DODIC]:</b> JI0002 / JS AIRCREW MASK (JSAM)						
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B									<b>MDAP/MAIS Code:</b>									

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
JSAM RW MPU-5 - Initial Spares/Fielding Components	-	-	0.000	-	-	-	-	-	1.672	-	-	1.173	-	-	-	-	-	1.173
<i>Subtotal: Recurring Cost</i>	-	-	0.000	-	-	-	-	-	1.959	-	-	1.193	-	-	-	-	-	1.193
<i>Subtotal: Logistics Cost</i>	-	-	0.000	-	-	-	-	-	1.959	-	-	1.193	-	-	-	-	-	1.193
<b>Support Cost</b>																		
JSAM RW MPU-5 - Program Management	-	-	0.000	-	-	-	-	-	1.038	-	-	0.927	-	-	-	-	-	0.927
JSAM RW MPU-5 - Engineering Support	-	-	0.000	-	-	-	-	-	0.339	-	-	0.340	-	-	-	-	-	0.340
JSAM RW MPU-5 - Integrated Logistics Support	-	-	0.000	-	-	-	-	-	0.676	-	-	0.679	-	-	-	-	-	0.679
JSAM SA MM53 - Program Management	-	-	0.000	-	-	-	-	-	-	-	-	1.146	-	-	-	-	-	1.146
JSAM SA MM53 - Engineering Support	-	-	0.000	-	-	-	-	-	-	-	-	0.637	-	-	-	-	-	0.637
JSAM SA MM53 - Integrated Logistics Support	-	-	0.000	-	-	-	-	-	-	-	-	0.089	-	-	-	-	-	0.089
JSAM SA MM53 - NET Training	-	-	0.000	-	-	-	-	-	-	-	-	0.325	-	-	-	-	-	0.325
JSAM SA MM53 - Initial Spares/Components	-	-	0.000	-	-	-	-	-	-	-	-	0.686	-	-	-	-	-	0.686
JSAM TA Mask - Program Management	-	-	0.000	-	-	-	-	-	-	-	-	1.029	-	-	-	-	-	1.029
JSAM TA Mask - Engineering Support	-	-	0.000	-	-	-	-	-	-	-	-	0.521	-	-	-	-	-	0.521
JSAM TA Mask - Integrated Logistics Support	-	-	0.000	-	-	-	-	-	-	-	-	0.364	-	-	-	-	-	0.364
JSAM TA Mask - NET Training	-	-	0.000	-	-	-	-	-	-	-	-	0.113	-	-	-	-	-	0.113
JSAM TA AP22P-14(A) ECP Program Management Support	-	-	0.000	-	-	-	-	-	0.198	-	-	-	-	-	-	-	-	-
JSAM TA Mask - Initial Spares/Components	-	-	0.000	-	-	-	-	-	-	-	-	1.280	-	-	-	-	-	1.280
<i>Subtotal: Support Cost</i>	-	-	0.000	-	-	-	-	-	2.251	-	-	8.136	-	-	-	-	-	8.136
<b>Gross/Weapon System Cost</b>	-	-	<b>0.000</b>	-	-	-	-	-	<b>11.526</b>	-	-	<b>24.630</b>	-	-	-	-	-	<b>24.630</b>

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**Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program** **Date:** February 2015

**Appropriation / Budget Activity / Budget Sub Activity:** 0300D / 03 / 1 **P-1 Line Item Number / Title:** PHM001 / CB PROTECTION AND HAZARD MITIGATION **Item Number / Title [DODIC]:** JI0002 / JS AIRCREW MASK (JSAM)

**ID Code** (A=Service Ready, B=Not Service Ready) : B **MDAP/MAIS Code:**

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<b>Hardware Cost</b>																		
<b>Recurring Cost</b>																		
Prior/Future combined efforts	-	-	54.447	-	-	61.961	-	-	55.136	-	-	50.374	Continuing			Continuing		
JSAM RW MPU-5 Hardware - LRIP <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JSAM SA - MM53 - LRIP <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JSAM TA - Mask - LRIP <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	54.447	-	-	61.961	-	-	55.136	-	-	50.374	<i>Continuing</i>			<i>Continuing</i>		
<b>Non Recurring Cost</b>																		
JSAM FW - A/ P22P-14(A) - USAF Readiness <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	54.447	-	-	61.961	-	-	55.136	-	-	50.374	<i>Continuing</i>			<i>Continuing</i>		
<b>Logistics Cost</b>																		
<b>Recurring Cost</b>																		
JSAM RW MPU-5 - Tooling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JSAM RW MPU-5 - Initial Spares/Fielding Components	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Logistics Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Support Cost</b>																		
JSAM RW MPU-5 - Program Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JSAM RW MPU-5 - Engineering Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JSAM RW MPU-5 - Integrated Logistics Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JSAM SA MM53 - Program Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JSAM SA MM53 - Engineering Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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**Exhibit P-5, Cost Analysis: PB 2016 Chemical and Biological Defense Program** **Date:** February 2015

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION	<b>Item Number / Title [DODIC]:</b> JI0002 / JS AIRCREW MASK (JSAM)
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**ID Code** (A=Service Ready, B=Not Service Ready) : B **MDAP/MAIS Code:**

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
JSAM SA MM53 - Integrated Logistics Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JSAM SA MM53 - NET Training	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JSAM SA MM53 - Initial Spares/Components	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JSAM TA Mask - Program Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JSAM TA Mask - Engineering Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JSAM TA Mask - Integrated Logistics Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JSAM TA Mask - NET Training	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JSAM TA AP22P-14(A) ECP Program Management Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JSAM TA Mask - Initial Spares/Components	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>	-	-	<b>54.447</b>	-	-	<b>61.961</b>	-	-	<b>55.136</b>	-	-	<b>50.374</b>	<b>Continuing</b>			<b>Continuing</b>		

**Remarks:**

Prior to FY 2015, the JS AIRCREW MASK (JSAM) program was reported under CBDP line item (BLIN) GP1000 - INDIVIDUAL PROTECTION

The Joint Service Aircrew Mask (JSAM) system is a lightweight Chemical, Biological, Radiological and Nuclear (CBRN) protective mask consisting of mask, filter, blower, and accessories incorporating state-of-the-art technology to protect U.S. Forces from anticipated threats. The JSAM systems will be developed to support multiple aircraft platforms which will integrate with aircraft subsystems: Aircrew Life Support Equipment (ALSE), seating, portable aircrew systems, restraint systems, night vision goggles (NVGs), and communications systems. The mask is optimized to minimize impact on the wearer's performance, maximize its ability to interface with aircrew protective clothing, and provide improved field of view when compared to current protective masks.

The JSAM Rotary Wing (RW) Mask Protective Unit 5 (MPU-5(V)/P) will provide head, eye, respiratory, and CB protection and "don in flight" capability for general purpose, rotary wing aircrew in all four Services and the US Coast Guard.

The JSAM Apache (MPU-6(V)/P) aircrew mask provides head, eye, respiratory and Chemical-Biological (CB) protection for U.S. Army AH-64/D Apache aircrew as part of the JSAM Family of Systems. JSAM MPU-6(V)/P replaces the legacy M-43 and M-48. It is compatible with the Joint Protective Aircrew Ensemble (JPACE) and the Apache Integrated Helmet and Display Sighting System (IHADSS). It provides flame and thermal protection, and reduces heat stress imposed by existing CB protective masks. The system is capable of being donned and doffed while in flight.

The JSAM for Tactical Aircraft (JSAM TA) will provide CB pressure breathing for altitude and anti-G protection. The JSAM for Strategic Aircraft (JSAM SA) will provide CB protection for aircrew positions that only need pressure breathing for altitude. Both the JSAM TA and JSAM SA will provide flame resistance, JSAM TA will provide demist/emergency demist.

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<b>Exhibit P-5, Cost Analysis:</b> PB 2016 Chemical and Biological Defense Program		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION	<b>Item Number / Title [DODIC]:</b> JI0002 / JS AIRCREW MASK (JSAM)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B		<b>MDAP/MAIS Code:</b>
<p>Justification: FY16 will procure 2,549 JSAM SA MM53 Low Rate Initial Production (LRIP) masks and 529 JSAM TA Masks for LRIP to meet Joint Service CBRN equipment and operational testing requirements. FY16 will also procure 557 JSAM Rotary Wing (RW) MPU-5 LRIP assets.</p> <p>RDT&amp;E Code B Item: 0604384BP/Proj IP5</p> <p>DEVELOPMENT/TEST STATUS AND MAJOR MILESTONES</p> <p>JSAM FW - JSAM TA - AP22P(A) ECP Integration (Apr 2013 to Sep 2015)          JSAM FW - JSAM TA - AP22P(A) Safe to Fly Certification (Jun 2014 to Sep 2015)          JSAM FW - JSAM TA - AP22P(A) USAF Variant Purchase: Oct 2014          JSAM RW - USA/USAF Airworthiness Testing (Oct 2012 to Sep 2015)          JSAM RW - USN/USMC Airworthiness Testing (Oct 2012 to Sep 2016)          JSAM RW - MS C/ Low Rate Initial Production (LRIP) (Dec 2014 to Sep 2017)          JSAM RW - Multi Service Operational Test and Evaluation (MOT&amp;E) USA/USAF (Feb 2015 to May 2015)          JSAM RW - Multi Service Operational Test and Evaluation (MOT&amp;E) USN/USMC (Oct 2015 to Mar 2017)          JSAM RW - USA IOC: Dec 2016          JSAM RW - USAF IOC: Jul 2016          JSAM RW - USN/USMC IOC: Sep 2018          JSAM RW - Full Rate Production (FRP) (Sep 2017 to Jan 2024)          JSAM RW - USAF FOC: Sep 2016          JSAM RW - USA/USN/USMC FOC: Jan 2024          JSAM SA - MS C / Low Rate Initial Production (Jul 2016 to Jun 2019)          JSAM SA - Operational Testing (Sep 2016 to Mar 2017)          JSAM SA - LRIP 1 (Sep 2016 to Mar 2017)          JSAM SA - LRIP 2 (Sep 2017 to Dec 2017)          JSAM SA - LRIP 3 (Jun 2018 to Sep 2018)          JSAM SA - LRIP 4 (Mar 2019 to Jun 2019)          JSAM SA - MS C / Full Rate Production (Jun 2019 to Jun 2022)          JSAM TA - Full and Open Comparative Gate Testing (Jun 2015 to Mar 2016)          JSAM TA - Aircraft Platform Integration/Operational Testing (Mar 2016 to Jun 2019)          JSAM TA - Full Operational Capability: Mar 2022          JSAM TA - MS C - Low Rate Initial Production (LRIP) (Jan 2016 to Jun 2019)          JSAM TA - Initial Operational Capability: Sep 2018          JSAM TA - Full Rate Production (FRP) (Jun 2019 to Sep 2022)</p> <p>(t) indicates the presence of a P-5a</p>		



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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2016 Chemical and Biological Defense Program								<b>Date:</b> February 2015				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1			<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION					<b>Item Number / Title [DODIC]:</b> JI0002 / JS AIRCREW MASK (JSAM)				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
JSAM RW MPU-5 Hardware - LRIP <sup>(†)</sup>		2015	AVOX Systems Inc. / Lancaster, NY	SS / FPIF	RDECOM, APG, MD	Mar 2015	Aug 2015	1,240	4.500	Y		
JSAM RW MPU-5 Hardware - LRIP <sup>(†)</sup>		2016	AVOX Systems Inc. / Lancaster, NY	SS / FPIF	RDECOM, APG, MD	Apr 2016 <sup>(8)</sup>	Jul 2016	558	4.498	Y		
JSAM SA - MM53 - LRIP <sup>(†)</sup>		2016	AVON Protection Systems Inc. / Cadillac, MI	SS / FFP	RDECOM, APG, MD	Aug 2016	Nov 2016	2,549	2.316	N		
JSAM TA - Mask - LRIP <sup>(†)</sup>		2016	TBD / UNKNOWN	C / FPIF	RDECOM, APG, MD	Jan 2016	Apr 2016	529	13.019	N		
JSAM FW - A/P22P-14(A) - USAF Readiness <sup>(†)</sup>		2015	Cam Lock Limited / Aldershot Hampshire, UK	SS / FFP	NAVAIR, Patuxent River, MD	Oct 2014	Dec 2014	140	12.400	Y		

<sup>(†)</sup> indicates the presence of a P-21

**Footnotes:**

<sup>(8)</sup> Opt 1



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**Exhibit P-21, Production Schedule:** PB 2016 Chemical and Biological Defense Program **Date:** February 2015

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION	<b>Item Number / Title [DODIC]:</b> JI0002 / JS AIRCREW MASK (JSAM)
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Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2017													Fiscal Year 2018													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 6	BAL D U E A S O F 1 O C T	Calendar Year 2017													Calendar Year 2018											
							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	B A L
JSAM RW MPU-5 Hardware - LRIP																															
	1	2015	CBDP	1.240	1.240	-																									
			ARMY	.200	.200	-																									
			AF	.950	.950	-																									
			MC	.030	.030	-																									
			NAVY	.060	.060	-																									
	1	2016	CBDP	.558	.270	.288	.090	.100	.098																						
			ARMY	.280	.135	.145	.045	.050	.050																						
			AF	.278	.135	.143	.045	.050	.048																						
JSAM SA - MM53 - LRIP																															
	2	2016	CBDP	2.549	-	2.549	-	.200	-	-	-	-	-	-	-	.783	1.566														
			AF	1.275	-	1.275	-	.100	-	-	-	-	-	-	-	.392	.783														
			NAVY	1.274	-	1.274	-	.100	-	-	-	-	-	-	-	.391	.783														
JSAM TA - Mask - LRIP																															
	3	2016	CBDP	.529	.529	-																									
			AF	.265	.265	-																									
			NAVY	.264	.264	-																									
JSAM FW - A/P22P-14(A) - USAF Readiness																															
	4	2015	CBDP	.140	.140	-																									
			AF	.140	.140	-																									
							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	B A L

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**Exhibit P-21, Production Schedule:** PB 2016 Chemical and Biological Defense Program **Date:** February 2015

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 03 / 1	<b>P-1 Line Item Number / Title:</b> PHM001 / CB PROTECTION AND HAZARD MITIGATION	<b>Item Number / Title [DODIC]:</b> JI0002 / JS AIRCREW MASK (JSAM)
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MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	AVOX Systems Inc. - Lancaster, NY	80	250	400	-	5	10	15	-	3	3	6
2	AVON Protection Systems Inc. - Cadillac, MI	200	1,000	2,000	-	3	3	6	-	3	3	6
3	TBD - UNKNOWN	50	200	300	-	3	2	5	-	3	2	5
4	Cam Lock Limited - Aldershot Hampshire, UK	60	167	333	-	7	2	9	-	3	2	5

(‡) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).