

UNCLASSIFIED

**Department of Defense  
Fiscal Year (FY) 2019 Budget Estimates**

February 2018



**Defense Threat Reduction Agency**

*Defense-Wide Justification Book Volume 1 of 2*

***Procurement, Defense-Wide***

UNCLASSIFIED

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

**UNCLASSIFIED**

Defense Threat Reduction Agency • Budget Estimates FY 2019 • Procurement

**Table of Volumes**

Chemical and Biological Defense Program.....	Volume 1
Defense Contract Audit Agency.....	Volume 1
Defense Contract Management Agency.....	Volume 1
DoD Human Resources Activity.....	Volume 1
Defense Information Systems Agency.....	Volume 1
Defense Logistics Agency.....	Volume 1
Defense Media Activity.....	Volume 1
Defense Production Act Purchases.....	Volume 1
Defense Security Cooperation Agency.....	Volume 1
Defense Security Service.....	Volume 1
Defense Threat Reduction Agency.....	Volume 1
Department of Defense Education Activity.....	Volume 1
Office of the Secretary Of Defense.....	Volume 1
The Joint Staff.....	Volume 1
United States Special Operations Command.....	Volume 1
Washington Headquarters Service.....	Volume 1

**UNCLASSIFIED**

**UNCLASSIFIED**

Defense Threat Reduction Agency • Budget Estimates FY 2019 • Procurement

**Joint Urgent Operational Needs Fund..... Volume 1**

**Missile Defense Agency..... Volume 2**

**Joint Improvised–Threat Defeat Fund..... Volume 1**

**Defense POW/MIA Accounting Agency..... Volume 1**



**UNCLASSIFIED**

Defense Threat Reduction Agency • Budget Estimates FY 2019 • Procurement

**Volume 1 Table of Contents**

**Comptroller Exhibit P-1.....Volume 1 - v**

**Line Item Table of Contents (by Appropriation then Line Number)..... Volume 1 - xxi**

**Program Overview..... Volume 1 - xxiii**

**Exhibit P-40s..... Volume 1 - 1**

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

## UNCLASSIFIED

Defense-Wide  
FY 2019 President's Budget  
Exhibit P-1 FY 2019 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

24 Jan 2018

Appropriation -----	FY 2017 (Base + OCO) -----	FY 2018 PB Request with CR Adj Base -----	FY 2018 Total PB Requests* with CR Adj Base -----	FY 2018 PB Request with CR Adj OCO -----
Procurement, Defense-Wide	6,637	12,567	12,567	
Total Defense-Wide	6,637	12,567	12,567	

UNCLASSIFIED

Defense-Wide  
FY 2019 President's Budget  
Exhibit P-1 FY 2019 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

24 Jan 2018

Appropriation -----	FY 2018 Total PB Requests+ with CR Adj OCO -----	FY 2018 Emergency Requests** Emergency -----	FY 2018 Less Enacted Div B P.L.115-96*** MDDE + Ship Repairs -----	FY 2018 Remaining Req Emergency -----
Procurement, Defense-Wide				
Total Defense-Wide				

## UNCLASSIFIED

Defense-Wide  
FY 2019 President's Budget  
Exhibit P-1 FY 2019 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

24 Jan 2018

Appropriation -----	FY 2018 Total PB Requests* with CR Adj Base + OCO + Emergency** -----	FY 2018 Less Enacted DIV B P.L.115-96*** MDDE + Ship Repairs -----	FY 2018 Remaining Req with CR Adj Base + OCO + Emergency -----
Procurement, Defense-Wide	12,567		12,567
Total Defense-Wide	12,567		12,567

UNCLASSIFIED

Defense-Wide  
FY 2019 President's Budget  
Exhibit P-1 FY 2019 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

24 Jan 2018

Appropriation -----	FY 2019 Base -----	FY 2019 OCO -----	FY 2019 Total -----
Procurement, Defense-Wide	5,799	5,534	11,333
Total Defense-Wide	5,799	5,534	11,333

## UNCLASSIFIED

Defense-Wide  
 FY 2019 President's Budget  
 Exhibit P-1 FY 2019 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

24 Jan 2018

	FY 2017 (Base + OCO)	FY 2018 PB Request with CR Adj Base	FY 2018 Total PB Requests* with CR Adj Base	FY 2018 PB Request with CR Adj OCO
-----	-----	-----	-----	-----
Organization: Procurement, Defense-Wide				
-----				
Defense Threat Reduction Agency, DTRA	6,637	12,567	12,567	
Total	6,637	12,567	12,567	

UNCLASSIFIED

Defense-Wide  
FY 2019 President's Budget  
Exhibit P-1 FY 2019 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

24 Jan 2018

	FY 2018 Total PB Requests+ with CR Adj OCO	FY 2018 Emergency Requests** Emergency	FY 2018 Less Enacted Div B P.L.115-96*** MDDE + Ship Repairs	FY 2018 Remaining Req Emergency
Organization: Procurement, Defense-Wide				
-----	-----	-----	-----	-----
Defense Threat Reduction Agency, DTRA				
Total				



## UNCLASSIFIED

Defense-Wide  
FY 2019 President's Budget  
Exhibit P-1 FY 2019 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

24 Jan 2018

	FY 2018 Total PB Requests* with CR Adj Base + OCO + Emergency** -----	FY 2018 Less Enacted DIV B P.L.115-96*** MDDE + Ship Repairs -----	FY 2018 Remaining Req with CR Adj Base + OCO + Emergency -----
Organization: Procurement, Defense-Wide -----			
Defense Threat Reduction Agency, DTRA	12,567		12,567
Total	12,567		12,567

UNCLASSIFIED

Defense-Wide  
FY 2019 President's Budget  
Exhibit P-1 FY 2019 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

24 Jan 2018

Organization: Procurement, Defense-Wide -----	FY 2019 Base -----	FY 2019 OCO -----	FY 2019 Total -----
Defense Threat Reduction Agency, DTRA	5,799	5,534	11,333
Total	5,799	5,534	11,333

## UNCLASSIFIED

Defense-Wide  
 FY 2019 President's Budget  
 Exhibit P-1 FY 2019 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

24 Jan 2018

Appropriation: Procurement, Defense-Wide

Budget Activity -----	FY 2017 (Base + OCO) -----	FY 2018 PB Request with CR Adj Base -----	FY 2018 Total PB Requests* with CR Adj Base -----	FY 2018 PB Request with CR Adj OCO -----
01. Major Equipment	6,637	12,567	12,567	
Total Procurement, Defense-Wide	6,637	12,567	12,567	

UNCLASSIFIED

Defense-Wide  
FY 2019 President's Budget  
Exhibit P-1 FY 2019 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

24 Jan 2018

Appropriation: Procurement, Defense-Wide

Budget Activity	FY 2018 Total PB Requests+ with CR Adj OCO	FY 2018 Emergency Requests** Emergency	FY 2018 Less Enacted Div B P.L.115-96*** MDDE + Ship Repairs	FY 2018 Remaining Req Emergency
-----	-----	-----	-----	-----

01. Major Equipment

Total Procurement, Defense-Wide

UNCLASSIFIED

Defense-Wide  
FY 2019 President's Budget  
Exhibit P-1 FY 2019 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

24 Jan 2018

Appropriation: Procurement, Defense-Wide

Budget Activity -----	FY 2018 Total PB Requests* with CR Adj Base + OCO + Emergency** -----	FY 2018 Less Enacted DIV B P.L.115-96*** MDDE + Ship Repairs -----	FY 2018 Remaining Req with CR Adj Base + OCO + Emergency -----
01. Major Equipment	12,567		12,567
Total Procurement, Defense-Wide	12,567		12,567

UNCLASSIFIED

Defense-Wide  
FY 2019 President's Budget  
Exhibit P-1 FY 2019 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

24 Jan 2018

Appropriation: Procurement, Defense-Wide

Budget Activity -----	FY 2019 Base -----	FY 2019 OCO -----	FY 2019 Total -----
01. Major Equipment	5,799	5,534	11,333
Total Procurement, Defense-Wide	5,799	5,534	11,333

UNCLASSIFIED

## UNCLASSIFIED

Defense-Wide  
 FY 2019 President's Budget  
 Exhibit P-1 FY 2019 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

24 Jan 2018

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2017 (Base + OCO) Quantity	Cost	FY 2018 PB Request with CR Adj Base Quantity	Cost	FY 2018 Total PB Requests* with CR Adj Base Quantity	Cost	FY 2018 PB Request with CR Adj OCO Quantity	Cost	S e c -
Budget Activity 01: Major Equipment											
Major Equipment, Defense Threat Reduction Agency											
23	Vehicles	A	200		204		204				U
24	Other Major Equipment	A	6,437		12,363		12,363				U
25	Counter IED & Improvised Threat Technologies										U
Total Major Equipment			6,637		12,567		12,567				
Total Procurement, Defense-Wide			6,637		12,567		12,567				

UNCLASSIFIED

Defense-Wide  
FY 2019 President's Budget  
Exhibit P-1 FY 2019 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

24 Jan 2018

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2018 Total PB Requests+ with CR Adj OCO Quantity	Cost	FY 2018 Emergency Requests** Emergency Quantity	Cost	FY 2018 Less Enacted Div B P.L.115-96*** MDDE + Ship Repairs Quantity	Cost	FY 2018 Remaining Req Emergency Quantity	Cost	S e c -
Budget Activity 01: Major Equipment											
Major Equipment, Defense Threat Reduction Agency											
23	Vehicles	A									U
24	Other Major Equipment	A									U
25	Counter IED & Improvised Threat Technologies										U
Total Major Equipment			-----		-----		-----		-----		
Total Procurement, Defense-Wide			-----		-----		-----		-----		



## UNCLASSIFIED

Defense-Wide  
FY 2019 President's Budget  
Exhibit P-1 FY 2019 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

24 Jan 2018

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2018 Total PB Requests* with CR Adj Base + OCO + Emergency** Quantity	Cost	FY 2018 Less Enacted DIV B P.L.115-96*** MDDE + Ship Repairs Quantity	Cost	FY 2018 Remaining Req with CR Adj Base + OCO + Emergency Quantity	Cost	S e c
----	-----	-----	-----	----	-----	----	-----	----	-
Budget Activity 01: Major Equipment									
-----									
Major Equipment, Defense Threat Reduction Agency									
23	Vehicles	A		204			204		U
24	Other Major Equipment	A		12,363			12,363		U
25	Counter IED & Improvised Threat Technologies								U
Total Major Equipment				12,567			12,567		
Total Procurement, Defense-Wide				12,567			12,567		

UNCLASSIFIED

Defense-Wide  
FY 2019 President's Budget  
Exhibit P-1 FY 2019 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

24 Jan 2018

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2019 Base Quantity	Cost	FY 2019 OCO Quantity	Cost	FY 2019 Total Quantity	Cost	S e c
----	-----	-----	-----	----	-----	----	-----	----	-
Budget Activity 01: Major Equipment									
-----									
Major Equipment, Defense Threat Reduction Agency									
23	Vehicles	A		207				207	U
24	Other Major Equipment	A		5,592				5,592	U
25	Counter IED & Improvised Threat Technologies					5,534		5,534	U
			-----		-----		-----		
Total Major Equipment				5,799		5,534		11,333	
			-----		-----		-----		
Total Procurement, Defense-Wide				5,799		5,534		11,333	

UNCLASSIFIED

**UNCLASSIFIED**

Defense Threat Reduction Agency • Budget Estimates FY 2019 • Procurement

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

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

---

<b>Line #</b>	<b>BA</b>	<b>BSA</b>	<b>Line Item Number</b>	<b>Line Item Title</b>	<b>Page</b>
23	01	23	20	Vehicles.....	Volume 1 - 1
24	01	23	30	Other Major Equipment.....	Volume 1 - 3
25	01	23	40	Counter IED and Improvised Threat Technologies.....	Volume 1 - 7

**UNCLASSIFIED**

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

## **Program Overview**

The Defense Threat Reduction Agency's (DTRA's) mission is to safeguard the United States and its allies from global weapons of mass destruction (WMD) and improvised threats by integrating, synchronizing, and providing expertise, technologies, and capabilities. DTRA is the Department of Defense's (DoD) combat support agency for the countering WMD (CWMD) missions, executing national missions related to CWMD threats at their sources, interdicting weapons and WMD materials at borders and in transit, as well as mitigating WMD effects. The enduring importance of CWMD compels DTRA to continue to leverage creativity and innovation, scientific excellence, and global engagement in achieving mission success across all domains anywhere, and at any time. Globalization, as well as scientific advancement, are lowering or eliminating barriers for a wide range of state and non-state actors to acquire sophisticated and lethal technologies, including increased access to WMD, a trend likely to continue. The DTRA budget request implements DoD guidance and represents a critical part of the Department's investment in securing the Nation from the threat of WMD.

The Joint Improvised-Threat Defeat mission under the authority, direction, and control of DTRA enables the DoD to counter improvised explosive devices and emerging improvised threats in order to support Combatant Commands (CCMDs) and deployed Warfighters.

DTRA's FY 2019 P, DW Budget Request includes Overseas Contingency Operations (OCO) funding in support of DTRA's Joint Improvised-Threat Defeat mission. The increase to DTRA's procurement budget reflects the realignment of activities in accordance with congressional intent to terminate the Joint Improvised-Threat Defeat Fund (JITDF) in section 9015 the Chairman's recommendation to the Senate Appropriations Committee for the Department of Defense Appropriations Bill, 2018.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2019 Defense Threat Reduction Agency										<b>Date:</b> February 2018		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 01: Major Equipment / BSA 23: Major Equipment, Defense Threat Reduction Agency							<b>P-1 Line Item Number / Title:</b> 20 / Vehicles					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A				<b>Program Elements for Code B Items:</b> N/A				<b>Other Related Program Elements:</b> N/A				
<b>Line Item MDAP/MAIS Code:</b> N/A												
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019 Base</b>	<b>FY 2019 OCO</b>	<b>FY 2019 Total</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	1.867	0.200	0.204	0.207	-	0.207	0.211	0.215	0.219	0.224	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	1.867	0.200	0.204	0.207	-	0.207	0.211	0.215	0.219	0.224	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>1.867</b>	<b>0.200</b>	<b>0.204</b>	<b>0.207</b>	-	<b>0.207</b>	<b>0.211</b>	<b>0.215</b>	<b>0.219</b>	<b>0.224</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> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Description:</b> The Defense Threat Reduction Agency (DTRA) continues to expand its support for the Countering Weapons of Mass Destruction mission overseas. The FY 2019 budget supports DTRA vehicles located overseas which are purchased through U.S. embassies, and provides for a vehicle program that ensures uniform serviceability to all areas.												
<b>Justification:</b> Funding for this budget line item provides for the procurement, maintenance, and lifecycle replacement of DTRA's non-tactical vehicles in support of missions in the United States and overseas. These vehicles are operated in rocky and unpaved terrain resulting in shortened lifecycles and increased volume for maintenance. Lifecycle requirements are based on GSA fleet management guidelines and vehicle maintenance.												

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED



**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2019 Defense Threat Reduction Agency	<b>Date:</b> February 2018
--	----------------------------

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 01: Major Equipment / BSA 23: Major Equipment, Defense Threat Reduction Agency	<b>P-1 Line Item Number / Title:</b> 30 / Other Major Equipment
---	--

<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
--	---	--

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	63.620	6.437	12.363	5.592	-	5.592	5.671	5.237	5.337	5.449	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	63.620	6.437	12.363	5.592	-	5.592	5.671	5.237	5.337	5.449	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority ( <i>\$ in Millions</i> )	63.620	6.437	12.363	5.592	-	5.592	5.671	5.237	5.337	5.449	Continuing	Continuing
(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 Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Other Major Equipment Procurement Program provides for the modernization of DTRA core computing technologies, including information technology infrastructure upgrades to ensure interoperability and compliance with the Joint Information Environment Regional Security Stacks. The investment allows for focused enhancement of the Agency-wide Cybersecurity, Computer Network Defense, Network Operations, and Security Center capabilities in compliance with Department of Defense (DoD) Instruction 8500.01, "Cybersecurity," dated March 14, 2014, and the continuous monitoring capabilities mandated by DoD Instruction 8510.01, Change 2, "Risk Management Framework for DoD Information Technology (IT)," dated July, 28, 2017.

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2019 Defense Threat Reduction Agency								<b>Date:</b> February 2018		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 01: Major Equipment / BSA 23: Major Equipment, Defense Threat Reduction Agency						<b>P-1 Line Item Number / Title:</b> 30 / Other Major Equipment				
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A				<b>Program Elements for Code B Items:</b> N/A			<b>Other Related Program Elements:</b> N/A			
<b>Line Item MDAP/MAIS Code:</b> N/A										
<b>Exhibits Schedule</b>					<b>Prior Years</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019 Base</b>	<b>FY 2019 OCO</b>	<b>FY 2019 Total</b>
<b>Exhibit Type</b>	<b>Title*</b>	<b>Subexhibits</b>	<b>ID CD</b>	<b>MDAP/MAIS Code</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>
P-40a	Mission Management				- / 10.950	- / 3.557	- / 3.670	- / 3.734	- / -	- / 3.734
P-40a	Infrastructure				- / 52.670	- / 2.880	- / 8.693	- / 1.858	- / -	- / 1.858
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 63.620</b>	<b>- / 6.437</b>	<b>- / 12.363</b>	<b>- / 5.592</b>	<b>- / -</b>	<b>- / 5.592</b>
<p>*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.</p> <p>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</p>										
<p><b>Justification:</b></p> <p>FY 2017 funding of \$6,437 thousand resourced the following initiatives:</p> <ul style="list-style-type: none"> <li>- Information Technology (IT) infrastructure core routing and switching required to maintain basic connectivity integrity to ensure domain security and viability;</li> <li>- DTRA Experimentation Lab/Reachback systems to conduct experimental computing;</li> <li>- Analytical equipment for Chemical Biological Weapons of Mass Destruction (CBWMD) search missions;</li> <li>- Lifecycle replacement of the primary Defense Integration and Management of Nuclear Data Services (DIAMONDS) enterprise server equipment located at DTRA, Fort Belvoir, Virginia; and</li> <li>- Nuclear Arms Control Technology (NACT) program for International Monitoring System (IMS) recapitalization, component replenishment/replacement, and monitoring system acquisition to meet on-going operational responsibilities.</li> </ul> <p>The FY 2018 budget of \$12,363 thousand resources the following new and continuing efforts:</p> <ul style="list-style-type: none"> <li>- One-time replacement of DTRA's classified network cable plant infrastructure that is obsolete. The cable connectors, which were installed in DTRA facilities a decade ago, are no longer manufactured, supported, or available on the market, causing compatibility issues with new end-user devices as well as network switching and routing equipment;</li> <li>- IT infrastructure core routing and switching, DTRA Experimentation Lab/Reachback systems, analytical equipment for CBWMD search missions, and the life-cycle replacement of DIAMONDS enterprise server equipment located at Kirtland Air Force Base, New Mexico; and</li> <li>- Continued support to the NACT program for IMS component replenishment and monitoring system acquisition necessary to meet on-going operational responsibilities.</li> </ul> <p>The FY 2019 budget of \$5,592 thousand will fund the following new and continuing efforts:</p> <ul style="list-style-type: none"> <li>- Chemical Biological (CB) analytical equipment kits/hardware for the Computer Network Defense Tool, expanding DTRA's capability to execute cyber vulnerability scanning in support of Balanced Survivability Assessments (BSAs);</li> <li>- Enterprise records management application, making DTRA compliant with Presidential OMB Directive M-12-18. The directive is requesting federal agencies to manage all permanent electronic records in an electronic format by the year 2019;</li> <li>- Information technology enhancements to the DTRA Experimentation Laboratory supporting Technical Reachback;</li> <li>- IT Infrastructure; and</li> <li>- Continues support for the NACT program to meet on-going operational responsibilities through the recapitalization of U.S. IMS stations, ensuring the continued delivery of nuclear explosion monitoring data in support of U.S. and DoD objectives.</li> </ul> <p>The decrease from FY 2018 to FY 2019 reflects completion of the one-time cable plant infrastructure lifecycle replacement bringing DTRA's cable plant up to current industry standards and revised acquisition strategy for cloud services.</p>										

**UNCLASSIFIED**

<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2019 Defense Threat Reduction Agency															<b>Date:</b> February 2018				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 01 / 23								<b>P-1 Line Item Number / Title:</b> 30 / Other Major Equipment							<b>Aggregated Items Title:</b> Mission Management				

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Mission Management																				
Mission Management			-	-	10.950	-	-	3.557	-	-	3.670	-	-	3.734	-	-	-	-	-	3.734
Subtotal: Mission Management			-	-	10.950	-	-	3.557	-	-	3.670	-	-	3.734	-	-	-	-	-	3.734
Total			-	-	10.950	-	-	3.557	-	-	3.670	-	-	3.734	-	-	-	-	-	3.734

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

**Remarks:**

Resources support the following mission critical programs:

- Nuclear Arms Control Technology (NACT): Provides for recapitalization of components of the International Monitoring System stations managed by the NACT program in support of the Comprehensive Nuclear Test Ban Treaty.
- Stockpile Logistics: Provides lifecycle replacement of the primary Defense Integration and Management of Nuclear Data Services (DIAMONDS) enterprise server equipment.
- Nimble Elder: Chemical Biological (CB) analytical equipment kits/hardware for the Computer Network Defense Tool used to execute cyber vulnerability scanning.

**UNCLASSIFIED**

<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2019 Defense Threat Reduction Agency															<b>Date:</b> February 2018				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 01 / 23								<b>P-1 Line Item Number / Title:</b> 30 / Other Major Equipment							<b>Aggregated Items Title:</b> Infrastructure				

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Infrastructure																				
Infrastructure			-	-	52.670	-	-	2.880	-	-	8.693	-	-	1.858	-	-	-	-	-	1.858
Subtotal: Infrastructure			-	-	52.670	-	-	2.880	-	-	8.693	-	-	1.858	-	-	-	-	-	1.858
Total			-	-	52.670	-	-	2.880	-	-	8.693	-	-	1.858	-	-	-	-	-	1.858

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

**Remarks:**

The FY 2019 budget resources DTRA's Information Technology Infrastructure and Reachback systems necessary to meet the agency's global mission, DoD CIO mandates, and objectives of the DoD Joint Information Environment. The funding supports the procurement of next generation IT systems and capabilities, experimental computing, and lifecycle replacement and modifications.

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2019 Defense Threat Reduction Agency	<b>Date:</b> February 2018
--	----------------------------

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 01: Major Equipment / BSA 23: Major Equipment, Defense Threat Reduction Agency	<b>P-1 Line Item Number / Title:</b> 40 / Counter IED and Improvised Threat Technologies
---	---

<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
--	---	--

**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	-	-	-	5.534	5.534	-	-	-	-	-	-
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	-	-	-	5.534	5.534	-	-	-	-	-	-
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	-	-	-	<b>5.534</b>	<b>5.534</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 Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

This Line Item is a new procurement line item in the DTRA budget, but not a new effort. This effort supports the Joint Improvised-Threat Defeat Organization and is part of the transfer of the Joint Improvised-Threat Defeat Fund (JITDF, 2093) to regular defense-wide appropriations (0100, 0400, and 0300) per the Chairman's recommendation to the Senate Appropriations Committee for the Department of Defense Appropriations Bill, 2018.

The countering improvised threats mission under the authority, direction, and control of the Defense Threat Reduction Agency (DTRA), enables the DoD to counter improvised explosive devices and emerging threats in support of Combatant Commands (CCMDs) and deployed Warfighters.

The overall mission is accomplished by:

- Sustaining an advanced information technology and fusion infrastructure that enables a threat awareness and understanding capability;
- Providing expeditionary, forward-deployed operations, intelligence, training, and advisory capabilities with reach-back support;
- Enabling rapid and innovative counter-improvised-threat solution development and delivery;
- Supporting Military Departments/Services' pre-deployment training and CCDRs' priority training-exercise support requirements as requested and validated; and
- Leveraging broad Communities of Action that include DoD, other U.S. Government departments and agencies, key coalition allies and partners, academia, and the private sector to leverage their capabilities, expertise, access, and authorities to counter threat-networks and their use and facilitation of improvised weapons.

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2019 Defense Threat Reduction Agency								<b>Date:</b> February 2018		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D: Procurement, Defense-Wide / BA 01: Major Equipment / BSA 23: Major Equipment, Defense Threat Reduction Agency						<b>P-1 Line Item Number / Title:</b> 40 / Counter IED and Improvised Threat Technologies				
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):			<b>Program Elements for Code B Items:</b> N/A			<b>Other Related Program Elements:</b> N/A				
<b>Line Item MDAP/MAIS Code:</b> N/A										
Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	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)
P-40a	Enable DoD Responsiveness				- / -	- / -	- / -	- / -	- / 1.000	- / 1.000
P-40a	Assist Situational Understanding				- / -	- / -	- / -	- / -	- / 4.534	- / 4.534
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				- / -	- / -	- / -	- / -	- / 5.534	- / 5.534
<p>*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.</p> <p>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</p>										
<p><b>Justification:</b>            The FY 2019 request supports contingency operations in Iraq and Afghanistan by providing U.S. Joint Force Combatant Commanders (CCDRs) with an awareness and understanding of the threat, and the resources needed to support other contingencies including those with the mission to defeat the Islamic State of Iraq and Syria (ISIS).</p> <p>Specifically, the FY 2019 Procurement, Defense-Wide (P, DW) Overseas Contingency Operations (OCO) budget request supports measures to provide technologies to defeat improvised threats such as: Advanced wireless signals and compatible electronic countermeasures for improvised explosive device (IED) defeat/neutralization; Miniaturized and integrated sensors; Hand held detectors; and the procuring of Information Technology capabilities. These resources support the Department of Defense's (DoD) goal to rapidly close the gap between the enemy's innovation cycles and the preparedness and operational capabilities of deploying and deployed U.S. Joint Forces by procuring mission critical support items rapidly.</p>										

**UNCLASSIFIED**

<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2019 Defense Threat Reduction Agency															<b>Date:</b> February 2018				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 01 / 23								<b>P-1 Line Item Number / Title:</b> 40 / Counter IED and Improvised Threat Technologies							<b>Aggregated Items Title:</b> Enable DoD Responsiveness				

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Enable DoD Responsiveness																				
Enable DoD Responsiveness			-	-	-	-	-	-	-	-	-	-	-	-	-	1.000	-	-	1.000	
Subtotal: Enable DoD Responsiveness			-	-	-	-	-	-	-	-	-	-	-	-	-	1.000	-	-	1.000	
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	1.000	-	-	1.000	

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

**Remarks:**

Funding enables DoD responses to improvised weapons. DTRA-JIDO delivers counter-IED and improvised threat solutions in full collaboration with its partners. Through a robust Communities of Action (CoA) approach, DTRA coordinates with the Combatant Commanders (CCDRs), the Joint Staff, the Military Departments/Services, the interagency, coalition partners, industry, and academia to develop counter-IED and improvised threat solutions that further enable the maneuverability and force protection of deployed U.S. Joint Forces. This methodology leverages the authorities, access, and capabilities of the entire U.S. Government and its partners to garner support for counter-IED and improvised threat development and delivery.

**UNCLASSIFIED**

<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2019 Defense Threat Reduction Agency															<b>Date:</b> February 2018				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 0300D / 01 / 23								<b>P-1 Line Item Number / Title:</b> 40 / Counter IED and Improvised Threat Technologies								<b>Aggregated Items Title:</b> Assist Situational Understanding			

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2017			FY 2018			FY 2019 Base			FY 2019 OCO			FY 2019 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Assist Situational Understanding																				
Assist Situational Understanding			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Assist Situational Understanding			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

**Remarks:**

Assist Situational Understanding is broken down into support of named operations, Combatant Command (CCMD) support packages, and counter-improvised threat analytical capabilities. Funding provides for mission information technology (IT), intelligence-operations integration, and support services to provide IT capabilities that enable the rapid collection, fusion, and dissemination of operational information, intelligence, and technology to defeat threat networks for deployed operational forces.

P, DW OCO funding :

- Enables the capability to provide a global, distributed, and multi-level IT architecture across three primary security domains (NIPR/SIPR/JWICS), connection to coalition and partner networks, and all JIDO mobile and telecommunications;
- Provides the analytical cloud and tool suite on SIPRNet and JWICS; and
- Provides cybersecurity, computer network defense, incident response, risk management and compliance activities.