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**Department of Defense
Fiscal Year (FY) 2018 Budget Estimates**

May 2017



Defense Threat Reduction Agency

Defense-Wide Justification Book Volume 1 of 2

Procurement, Defense-Wide

Joint Improvised-Threat Defeat Fund (JIDF)

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Defense Threat Reduction Agency • Budget Estimates FY 2018 • Procurement

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Defense-Wide
FY 2018 President's Budget Request
Exhibit P-1 FY 2018 President's Budget Request
Total Obligational Authority
(Dollars in Thousands)

26 Apr 2017

Appropriation -----	FY 2016 Base + OCO -----	FY 2017 PB Request with CR Adj Base -----	FY 2017 Total PB Requests* with CR Adj Base -----
Joint Improvised-Threat Defeat Fund			
Total Defense-Wide			

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Defense-Wide
 FY 2018 President's Budget Request
 Exhibit P-1 FY 2018 President's Budget Request
 Total Obligational Authority
 (Dollars in Thousands)

26 Apr 2017

Appropriation -----	FY 2017 PB Request with CR Adj OCO -----	FY 2017 Total PB Requests* with CR Adj OCO -----	FY 2017 Less Enacted Div B P.L.114-254** OCO -----	FY 2017 Remaining Req with CR Adj OCO -----
Joint Improvised-Threat Defeat Fund		99,800		99,800
Total Defense-Wide		99,800		99,800

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Defense-Wide
 FY 2018 President's Budget Request
 Exhibit P-1 FY 2018 President's Budget Request
 Total Obligational Authority
 (Dollars in Thousands)

26 Apr 2017

Appropriation -----	FY 2017 Total PB Requests** with CR Adj Base+OCO+SAA -----	FY 2017 Total PB Requests* with CR Adj Base + OCO -----	FY 2017 Less Enacted Div B P.L.114-254** OCO -----	FY 2017 Remaining Req with CR Adj Base + OCO -----
Joint Improvised-Threat Defeat Fund		99,800		99,800
Total Defense-Wide		99,800		99,800

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Defense-Wide
FY 2018 President's Budget Request
Exhibit P-1 FY 2018 President's Budget Request
Total Obligational Authority
(Dollars in Thousands)

26 Apr 2017

Appropriation -----	FY 2018 Base -----	FY 2018 OCO -----	FY 2018 Total -----
Joint Improvised-Threat Defeat Fund	14,442	483,058	497,500
Total Defense-Wide	14,442	483,058	497,500

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Defense-Wide
FY 2018 President's Budget Request
Exhibit P-1 FY 2018 President's Budget Request
Total Obligational Authority
(Dollars in Thousands)

26 Apr 2017

Appropriation: Joint Improvised-Threat Defeat Fund

Budget Activity -----	FY 2016 Base + OCO -----	FY 2017 PB Request with CR Adj Base -----	FY 2017 Total PB Requests* with CR Adj Base -----
01. Rapid Acquisition and Threat Response			
04. Mission Enablers			
20. Undistributed			
Total Joint Improvised-Threat Defeat Fund			

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Defense-Wide
FY 2018 President's Budget Request
Exhibit P-1 FY 2018 President's Budget Request
Total Obligational Authority
(Dollars in Thousands)

26 Apr 2017

Appropriation: Joint Improvised-Threat Defeat Fund

Budget Activity -----	FY 2017 PB Request with CR Adj OCO -----	FY 2017 Total PB Requests* with CR Adj OCO -----	FY 2017 Less Enacted Div B P.L.114-254** OCO -----	FY 2017 Remaining Req with CR Adj OCO -----
01. Rapid Acquisition and Threat Response	345,472	445,272		445,272
04. Mission Enablers	62,800	62,800		62,800
20. Undistributed	-408,272	-408,272		-408,272
Total Joint Improvised-Threat Defeat Fund		99,800		99,800

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Defense-Wide
 FY 2018 President's Budget Request
 Exhibit P-1 FY 2018 President's Budget Request
 Total Obligational Authority
 (Dollars in Thousands)

26 Apr 2017

Appropriation: Joint Improvised-Threat Defeat Fund

Budget Activity	FY 2017 Total PB Requests** with CR Adj Base+OCO+SAA	FY 2017 Total PB Requests* with CR Adj Base + OCO	FY 2017 Less Enacted Div B P.L.114-254** OCO	FY 2017 Remaining Req with CR Adj Base + OCO
01. Rapid Acquisition and Threat Response	345,472	445,272		445,272
04. Mission Enablers	62,800	62,800		62,800
20. Undistributed	-408,272	-408,272		-408,272
Total Joint Improvised-Threat Defeat Fund		99,800		99,800

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FY 2018 President's Budget Request
Exhibit P-1 FY 2018 President's Budget Request
Total Obligational Authority
(Dollars in Thousands)

26 Apr 2017

Appropriation: Joint Improvised-Threat Defeat Fund

Budget Activity -----	FY 2018 Base -----	FY 2018 OCO -----	FY 2018 Total -----
01. Rapid Acquisition and Threat Response	14,442	483,058	497,500
04. Mission Enablers			
20. Undistributed			
Total Joint Improvised-Threat Defeat Fund	14,442	483,058	497,500

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 FY 2018 President's Budget Request
 Exhibit P-1 FY 2018 President's Budget Request
 Total Obligational Authority
 (Dollars in Thousands)

26 Apr 2017

Appropriation: 2093D Joint Improvised-Threat Defeat Fund

Line No	Item Nomenclature	Ident Code	FY 2016		FY 2017		FY 2017		S e c
			Quantity	Cost	with CR Adj Base	Cost	Total PB Requests* with CR Adj Base	Cost	
Budget Activity 01: Rapid Acquisition and Threat Response									

Network Attack									
	1 Rapid Acquisition and Threat Response								U
Total Rapid Acquisition and Threat Response			-----	-----	-----	-----	-----	-----	
Budget Activity 04: Mission Enablers									

Staff and Infrastructure									
	2 Mission Enablers								U
Total Mission Enablers			-----	-----	-----	-----	-----	-----	
Budget Activity 20: Undistributed									

Undistributed									
	3 Adj to Match Continuing Resolution	A							U
Total Undistributed			-----	-----	-----	-----	-----	-----	
Total Joint Improvised-Threat Defeat Fund									

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Defense-Wide
 FY 2018 President's Budget Request
 Exhibit P-1 FY 2018 President's Budget Request
 Total Obligational Authority
 (Dollars in Thousands)

26 Apr 2017

Appropriation: 2093D Joint Improvised-Threat Defeat Fund

Line No	Item Nomenclature	Ident Code	FY 2017 PB Request with CR Adj OCO		FY 2017 Total PB Requests* with CR Adj OCO		FY 2017 Less Enacted Div B P.L.114-254** OCO		FY 2017 Remaining Req with CR Adj OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 01: Rapid Acquisition and Threat Response											

Network Attack											
1	Rapid Acquisition and Threat Response			345,472		445,272				445,272	U
Total Rapid Acquisition and Threat Response				345,472		445,272				445,272	
Budget Activity 04: Mission Enablers											

Staff and Infrastructure											
2	Mission Enablers			62,800		62,800				62,800	U
Total Mission Enablers				62,800		62,800				62,800	
Budget Activity 20: Undistributed											

Undistributed											
3	Adj to Match Continuing Resolution	A		-408,272		-408,272				-408,272	U
Total Undistributed				-408,272		-408,272				-408,272	
Total Joint Improvised-Threat Defeat Fund						99,800				99,800	

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 FY 2018 President's Budget Request
 Exhibit P-1 FY 2018 President's Budget Request
 Total Obligational Authority
 (Dollars in Thousands)

26 Apr 2017

Appropriation: 2093D Joint Improvised-Threat Defeat Fund

Line No	Item Nomenclature	Ident Code	FY 2017 Total		FY 2017 Total		FY 2017 Less Enacted		FY 2017 Remaining Req		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 01: Rapid Acquisition and Threat Response											
Network Attack											
	1			345,472		445,272				445,272	U
Total Rapid Acquisition and Threat Response				345,472		445,272				445,272	
Budget Activity 04: Mission Enablers											
Staff and Infrastructure											
	2			62,800		62,800				62,800	U
Total Mission Enablers				62,800		62,800				62,800	
Budget Activity 20: Undistributed											
Undistributed											
	3	A		-408,272		-408,272				-408,272	U
Total Undistributed				-408,272		-408,272				-408,272	
Total Joint Improvised-Threat Defeat Fund							99,800			99,800	

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Defense-Wide
 FY 2018 President's Budget Request
 Exhibit P-1 FY 2018 President's Budget Request
 Total Obligational Authority
 (Dollars in Thousands)

26 Apr 2017

Appropriation: 2093D Joint Improvised-Threat Defeat Fund

Line No	Item Nomenclature	Ident Code	FY 2018 Base		FY 2018 OCO		FY 2018 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 01: Rapid Acquisition and Threat Response									

Network Attack									
1	Rapid Acquisition and Threat Response		14,442		483,058		497,500		U
Total Rapid Acquisition and Threat Response			14,442		483,058		497,500		
Budget Activity 04: Mission Enablers									

Staff and Infrastructure									
2	Mission Enablers								U
Total Mission Enablers									
Budget Activity 20: Undistributed									

Undistributed									
3	Adj to Match Continuing Resolution	A							U
Total Undistributed									
Total Joint Improvised-Threat Defeat Fund			14,442		483,058		497,500		

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Appropriation 2093D: Joint Improvised-Threat Defeat Fund

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Exhibit P-40, Budget Line Item Justification: FY 2018 Defense Threat Reduction Agency **Date:** May 2017

Appropriation / Budget Activity / Budget Sub Activity: 2093D: Joint Improvised-Threat Defeat Fund / BA 01: Rapid Acquisition and Threat Response / BSA 1: Rapid Acquisition and Threat Response - Defense Threat Reduction Agency	P-1 Line Item Number / Title: 1 / Rapid Acquisition and Threat Response
---	---

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

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	14.442	483.058	497.500	13.106	12.856	13.324	13.777	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	-	-	14.442	483.058	497.500	13.106	12.856	13.324	13.777	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	14.442	483.058	497.500	13.106	12.856	13.324	13.777	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 Joint Improvised-Threat Defeat Fund (JIDF) is available for obligation for three years. While these resources are documented in exhibit formats that are customary for Procurement appropriations, Congress approved these funds for development, procurement, and fielding of measures to defeat improvised threats to U.S. Joint Forces (such as, but not limited to, the development of defeat technologies for advanced wireless signals, compatible electronic countermeasures for improvised explosive devices (IED) defeat/neutralization, miniaturized and integrated sensors, hand held detectors, and fielding of cutting edge Information Technology capabilities). These resources support the Department of Defense's (DoD) goal to close the gap between the enemy's innovation cycles and the operational capabilities of the U.S. Joint Forces.

The Joint Improvised-Threat Defeat Organization (JIDO) under the authority, direction and control of the Defense Threat Reduction Agency (DTRA), enables DoD actions to counter improvised threats, including improvised explosive devices. JIDO provides tactical responsiveness to near and mid-term threats and supports the Combatant Commands' efforts to prepare for and adapt to battlefield surprise in support of counter-terrorism (CT), counter-insurgency (COIN), and other related mission areas, including counter-improvised explosive devices (C-IED).

The FY 2018 budget request funds the requirements to support deployed U.S. Joint Forces supporting contingency operations in Iraq and Afghanistan, provides U.S. Joint Force Combatant Commanders (CCMDs) 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). JIDO accomplishes its mission 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 CCMDs' priority training-exercise support requirements as requested and validated.
- Leveraging broad Communities of Action (CoA) that include DoD, other U.S. Government (USG) 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.

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Exhibit P-40, Budget Line Item Justification: FY 2018 Defense Threat Reduction Agency **Date:** May 2017

Appropriation / Budget Activity / Budget Sub Activity: 2093D: Joint Improvised-Threat Defeat Fund / BA 01: Rapid Acquisition and Threat Response / BSA 1: Rapid Acquisition and Threat Response - Defense Threat Reduction Agency	P-1 Line Item Number / Title: 1 / Rapid Acquisition and Threat Response
---	---

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

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 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	1 / Enable Rapid Capability Delivery				- / -	- / -	- / -	- / 14.442	- / 197.458	- / 211.900
P-40a	2 / Assist Situational Understanding				- / -	- / -	- / -	- / -	- / 270.950	- / 270.950
P-40a	3 / Enable DoD Responsiveness				- / -	- / -	- / -	- / -	- / 14.650	- / 14.650
P-40	Total Gross/Weapon System Cost				- / -	- / -	- / -	- / 14.442	- / 483.058	- / 497.500

*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 sum exactly due to rounding.

Justification:
 Historical Context:

Prior to FY 2017, funds were enacted as the Joint Improvised Explosive Device Defeat Fund (JIEDDF) and were executed through the Army.

JIEDDF / JIDF

FY 2016	FY 2017	FY 2018
\$349.464	\$508.072	\$497.500

The FY 2016 actual shown above does not include \$100M requested, but transferred to Operation & Maintenance, Defense-Wide (O&M, DW) as per the FY 2016 Appropriations Bill. The FY 2017 request shown above reflects request for additional appropriations as well as \$62.8M in mission support costs that will be transferred to O&M, DW as per the Consolidated Appropriations Act of 2017.

Justification:
 The FY 2018 budget enables The Joint Improvised-Threat Defeat Organization (JIDO) to apply its efforts through three (3) core capabilities:

1. Enable Rapid Capability Delivery (to Implement DoD Accelerated and Urgent Acquisition Models). JIDO uses a threat-based, deliberate, structured, and proactive approach to identify and validate urgent or emergent capability requirements and gaps. JIDO acquires and delivers capability solutions to prevent or mitigate battlefield operational surprise. JIDO's embedded presence with deployed U.S. Joint Forces and coordination with the Military Service components, provides for the identification and understanding of counter-improvised threat (C-IT) and counter improvised explosive device (C-IED) risks and vulnerabilities; enables the timely validation of counter-threat solution requirements; and informed investment decisions on counter-threat technologies and non-material solutions.
2. Assist Situational Understanding (of threat-network activities). The IED and other disruptive improvised threats represent a continuing and irregular threat for deployed U.S. and coalition forces. By using operational data while embedded with U.S. Joint Forces, production from the Defense Intelligence Enterprise, and continuously evolving analytical tools and methodologies, JIDO acquires a deep understanding of current and emerging threat activities and the supporting threat facilitation networks. JIDO delivers consumable assessments and intelligence information to help warfighters plan for and adapt to rapidly changing conditions. This is supported by JIDO CONUS-based reach-back linked to the intelligence community, the inter-agency, and coalition partners. This core function also informs research and development investment decisions (threat-based acquisition) and our international-interagency community of action pursuing the non-kinetic targeting of personnel and/or businesses contributing to the problem.

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Exhibit P-40, Budget Line Item Justification: FY 2018 Defense Threat Reduction Agency		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 2093D: Joint Improvised-Threat Defeat Fund / BA 01: Rapid Acquisition and Threat Response / BSA 1: Rapid Acquisition and Threat Response - Defense Threat Reduction Agency		P-1 Line Item Number / Title: 1 / Rapid Acquisition and Threat Response
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>3. Enable DoD Responses to Improvised Weapons. JIDO builds counter-threat solutions in full collaboration with its partners. Through a robust communities of action approach, JIDO coordinates with the Military Departments/Services, the Joint Staff, CCMDs, other U.S. Departments and Agencies, coalition partners, industry, and academia to develop counter-improvised threat capabilities for deployed U.S. Joint Forces. This methodology leverages the authorities, access, and capabilities of the entire U.S. Government and its partners as counter-improvised threat solutions are developed and realized.</p> <p>JIDO Lines of Effort. JIDO applies its core capabilities across three (3) Lines of Effort (LOE) in support of the CCMDs and their deployed U.S. Joint Forces. These LOEs enable JIDO to react in a scalable manner based on the threat to U.S. Joint Forces and the urgency to the CCMD. JIDO LOEs are listed in order of intensity, from highest (contingency operations) to lowest (core capability).</p> <p>1. Decisive Effort – Quick Reaction Capability (Surge). This LOE provides support, in full coordination with the CCMDs and the Joint Staff, where U.S. forces are deployed in support of a contingency operation that is contested by threat networks and their use of improvised weapons including IEDs. The decisive effort-quick reaction capability (QRC) requires the commitment of the full-spectrum of JIDO capabilities and resources to rapidly identify, develop, deliver, and integrate materiel and non-materiel solutions and associated pre-deployment training to meet the CCMDs' timeline. Recognizing the Military Services' responsibility to train their forces, JIDO training support is focused on new tools, tactics, and materiel; assistance with pre-deployment training support as required by the Military Departments / Services and / or CCMDs; planning and exercise support for CCMD exercise; and fulfillment of approved and directed CCMD training support requirements for building partner nation capacity. All mission-support service elements are designed for flexibility in order to quickly expand and contract.</p> <p>2. Regional-Focused Support. This LOE provides support where threat networks and their improvised weapons are emerging or maturing and/or are having a direct or indirect (supporting) impact on contingency operations and currently deployed U.S. Joint Forces. JIDO provides regionally focused support through dedicated, tailored capabilities (materiel and non-materiel) to enhance the situational understanding of threat networks posing the greatest threat or potential threat to U.S. interests; identifies CCMD capability requirements and gaps; and facilitates timely validation and accelerates development of counter-threat solutions. JIDO provides regionally focused support to CCMDs in accordance with DoD priorities. This LOE includes rapid prototyping and assessment of technologies to counter improvised threats. It also fulfills approved and directed CCMD training support requirements for building partner nation capacity.</p> <p>3. Global Situational Awareness. This LOE allows decision-makers to understand the current threat and supporting events within the CCMD area of responsibility that affect CCMD strategies, goals, and objectives both immediately and in the near future. JIDO, in collaboration with the intelligence community, other U.S. Departments and Agencies, the military departments/services, and coalition partners, evaluates the global operational environment with a focus to assist CCMDs in anticipating near-term threats and identifying priorities. JIDO maintains global situational awareness, including continuous monitoring for changes in threat networks; their evolving tactics, techniques, and procedures; and the identification of new, potentially disruptive, threat technologies. JIDO informs where the Department's current counter-improvised threat portfolio poses potential risk to the U.S. Joint Forces, conveys the results to the CCMD, and informs the JIDO rapid acquisition team of the gaps regarding emerging threats.</p>		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: FY 2018 Defense Threat Reduction Agency **Date:** May 2017

Appropriation / Budget Activity / Budget Sub Activity: 2093D / 01 / 1	P-1 Line Item Number / Title: 1 / Rapid Acquisition and Threat Response	Aggregated Items Title: Enable Rapid Capability Delivery
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 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 Rapid Capability Delivery																				
1 / Enable Rapid Capability Delivery			-	-	-	-	-	-	-	-	-	-	-	14.442	-	-	197.458	-	-	211.900
Subtotal: Enable Rapid Capability Delivery			-	-	-	-	-	-	-	-	-	-	-	14.442	-	-	197.458	-	-	211.900
Total			-	-	-	-	-	-	-	-	-	-	-	14.442	-	-	197.458	-	-	211.900

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

Remarks:

JIDO provides a threat based, deliberate, structured, and proactive approach to identify and validate urgent and emergent capability requirements and associated gaps to rapidly acquire, train, and deliver solutions to prevent or mitigate battlefield or operational surprise. Since its inception JIDO has reduced the time to field solutions to engaged units by more than 50 percent since 2007. JIDO's unique rapid requirements process enables validation of immediate needs and application of resources to develop solutions. The organization maintains a critical embedded presence with deployed U.S. joint forces, which allows the organization to identify and begin development of solutions before the formal Urgent or Emergent Operational Needs Statement (UONS/EONS) assignments occur. JIDO employs an open, internal governance process to validate all requirements. This process is executed in coordination with the affected CCMD, the Joint Rapid Acquisition Cell, the Functional Capabilities Board, the Joint Requirements Oversight Council, the Military Departments/Services, and Congress.

In FY 2018, JIDO requests \$211.9 million (\$14.442 million in Base and \$197.458 million in OCO), which will be used to:

Provide Decisive Effort Material Support (\$110.7M)

- Provide a rapid and early understanding of capability gaps by identifying and understanding risks and vulnerabilities in coordination with the military services and joint force commanders.
- Provide timely validation of requirements to inform investments in counter-threat technologies and non-material solutions.
- Initiate, accelerate, develop, and/or deliver urgent (zero to two years) counter-improvised threat solutions addressing validated CCMD capability requirements.
- Examples: 1. Technology to detect disturbed earth as an indicator for buried IEDs on a mounted vehicle; 2. Technology to detect electronic circuits commonly found in radio controlled IEDs.

Develop Capabilities to Address Midterm Evolving and Emergent Threats (\$67.8M)

- Provide DoD up to an 18-month "head start" on addressing critical warfighter gaps and enables the delivery of the most technologically advanced capabilities available to respond to improvised threats. These are developed in concert with ongoing operations and informed by operational experience.
- Enable a "warm start" on critical emerging requirements (two to five years) and influence counter-threat development efforts in the five+ year outlook.
- Examples: 1. Technology to detect IED network activities from the air; 2. Technology to defeat next generation weaponized smartphones.

Maintain Solution Delivery Enablers (\$33.4M)

- Coordinate counter-threat development efforts with the military services science and technology organizations, the Defense Advanced Research Projects Agency (DARPA), partner nations, and through appropriate vehicles with the national labs, academia, and industry.
- Sustain research and development (R&D) activities that may provide value in obtaining technology or doctrine to counter developing threats.
- Examples: 1. Ensure material solution compatibility among Five Eyes partners (Australia, Canada, New Zealand, The United Kingdom, and the United States); 2. Provide analysis, development, and distribution of new threat devices to test ranges.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: FY 2018 Defense Threat Reduction Agency **Date:** May 2017

Appropriation / Budget Activity / Budget Sub Activity: 2093D / 01 / 1	P-1 Line Item Number / Title: 1 / Rapid Acquisition and Threat Response	Aggregated Items Title: Assist Situational Understanding
---	---	--

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 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																							
2 / Assist Situational Understanding			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	270.950	-	-	270.950
Subtotal: Assist Situational Understanding			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	270.950	-	-	270.950
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	270.950	-	-	270.950

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, CCMD support packages, and counter-improvised threat analytical capabilities. These groupings contain various programs that adhere to the Lines of Effort (LOE) construct previously outlined.

In FY 2018, JIDO requests \$270.950 million in OCO, which will be used to:

Provide Decisive Effort Non-Material Support (\$123.150M)

- Identify threat networks and threat network activity. Provides for the identification of threat networks and their supporting activities that employ and/or facilitate the use of IEDs and other improvised weapons.
- Provide mission IT intelligence-operations integration and support services. This provides for field services that support the development and fielding of cutting edge IT capabilities to enable the rapid collection, fusion, and dissemination of operational information, intelligence, and technology to defeat threat networks. Funding allows for specific Mission IT via software licenses and maintenance agreements.
- Examples: 1. Forward deployed intelligence professionals who identify dispositions and intentions of human enemy networks; 2. Forward deployed IT engineers who maintain JIDO's satellite based deployable communication kits worldwide.

Provide Combatant Commander Support Packages (\$59.9M)

- Provide regionally focused support through dedicated CCMD teams to enhance the situational understanding of threat networks in that area of responsibility.
- Provide data capture and integration. JIDO provides customer various intelligence data feeds for further analysis, mitigates information and data gaps, and provides software tools, visualization capabilities, and customer analytical efforts.
- Examples: 1. CCMD dedicated intelligence professionals identifying trends, assessing threats, and informing national and military decision-makers; 2. One-of-a-kind mission IT to ingest, fuse, analyze, and disseminate mission-relevant data and information.

Counter-Improvised Threat Analytical Capability (\$87.9M)

- Provides customers with Advanced Technology to include a state-of-the-art analytical cloud architecture. Provides rapid software development/deployment support and tools such as 3D modeling, blast simulation, geospatial analysis, and data-voice connectivity. Provides rapid prototype development, accreditation, and deployment on classified networks to support current operations.
- Provides Operations Research and System Analysis (ORSA) Pattern Analysis. This encompasses frontline operational units supporting military operations that require development of dynamic and complex analytical solutions. ORSA Pattern Analysis utilizes specialized software which consists of a suite of tools designed to detect patterns of activity and provide predictions on future events. Analysis and IED related data includes, but is not limited to, significant event reports, post blast analysis, forensic and biometric data, trend analysis, counter-IED capability assessments, crime pattern analyses, network analyses, intelligence products and reports, and new/innovative analytical techniques.
- Distributes data across IED Spectrum. JIDO provides synchronization of intelligence to inform operational forces by rapidly disseminating data through a variety of technological means. Customers include CCMDs, federal agencies, and allied nations.
- Examples: 1. Intelligence professionals to maintain an operations intelligence integration center; 2. Operations research professionals providing data-driven analysis and visualization of IED activity.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: FY 2018 Defense Threat Reduction Agency **Date:** May 2017

Appropriation / Budget Activity / Budget Sub Activity: 2093D / 01 / 1 **P-1 Line Item Number / Title:** 1 / Rapid Acquisition and Threat Response **Aggregated Items Title:** Enable DoD Responsiveness

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 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																				
3 / Enable DoD Responsiveness			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.650
Subtotal: Enable DoD Responsiveness			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.650
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.650

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

Remarks:
 JIDO executes an interagency Communities of Action approach to synchronize development and discovery of counter-improvised threat solutions.

In FY 2018, JIDO requests \$14.650 million in OCO, which will be used to:

- Provide threat and counter improvised threat information and expertise support in the development of CCMD planning efforts.
- Provide interagency coordination in order to achieve action against those who contribute to and facilitate the use of improvised threats affecting US Joint Forces.
- Provide train-advise-assist support to foreign nations (Build Partner Nation Capacity).
- Partner with other U.S. Government agencies to compliment JIDO solution development.