Exhibit R-2, **RDT&E Budget Item Justification:** FY 2018 Office of the Secretary Of Defense		**Date:** May 2017
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide I* BA 6: *RDT&E Management Support*	**R-1 Program Element (Number/Name)** PE 0203345D8Z *I Defense Operations Security Initiative (DOSI)*	

COST ($ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
Total Program Element	1.900	1.888	2.072	2.551	-	2.551	3.015	3.054	3.116	3.182	Continuing	Continuing
345: *Defense Operations Security Initiative*	1.900	1.888	2.072	2.551	-	2.551	3.015	3.054	3.116	3.182	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

DOSI establishes and leads the Department's next generation OPSEC capability development and affiliated investment strategy. Investments support DoD's current and emerging OPSEC capability gaps, including countering advances in non-U.S. ISR capabilities and denying understanding of U.S. capability, capacity, and readiness. These investments spur Department innovation and preserve U.S. technology superiority. Produced prototypes lead the community's ability to sustain and maximize technology advantage as they are transitioned to Service and Agency programs for sustainment, maintenance, and capacity programming. Test and evaluation analyses establish measure and countermeasure effectiveness in current and emerging operational environments.

B. Program Change Summary ($ in Millions)

	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Previous President's Budget	1.888	2.072	2.685	-	2.685
Current President's Budget	1.888	2.072	2.551	-	2.551
Total Adjustments	0.000	0.000	-0.134	-	-0.134
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Service Requirements Review Board Directed Decrease	-	-	-0.134	-	-0.134

C. Accomplishments/Planned Programs ($ in Millions)

	FY 2016	FY 2017	FY 2018
Title: Defense Operations Security Initiative	1.888	2.072	2.551

FY 2016 Accomplishments:
- Researched, developed, and tested signature management and OPSEC technologies to support CCMD and DoD Component requirements that enable planning at strategic and operatonal levels.

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C. Accomplishments/Planned Programs ($ in Millions)	FY 2016	FY 2017	FY 2018
- Ensured developed prototypes and capabilities transition into formalized program offices and program executive offices across DoD Components. - Assessed historic RDT&E investments to identify Return On Invest (ROI) metrics on DoD OPSEC capability and capacity progression. *FY 2017 Plans:* - Oversee two research, development and testing projects on signature management and OPSEC technologies to support CCMD and Component requirements - Provide oversight and advocacy for transitioning developed prototypes and capabilities into formalized program offices and program executive offices across DoD Components. - Continue to assess historic RDT&E investments to identify ROI metrics on DoD OPSEC capability and capacity progression. *FY 2018 Plans:* - Will oversee research, development, and testing on next generation capabilities that counter foreign ISR capabilities and deny understanding of U.S. capability, capacity and readiness. - Will provide oversight and advocacy for transitioning developed prototypes and capabilities into formalized program offices and program executive offices across DoD Components. - Will participate in Defense RDT&E processes to advance basic and applied research, science, and technology, and technology development and testing to elevate OPSEC capability and capacity across the Department.			
Accomplishments/Planned Programs Subtotals	1.888	2.072	2.551

D. Other Program Funding Summary ($ in Millions)

Line Item	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
• 0203345D8Z O&M DW: *Defense Operations Security Initiative*	3.669	3.775	3.736	-	3.736	3.932	3.917	3.989	3.989	Continuing	Continuing

Remarks

E. Acquisition Strategy

The acquisition, management, and contracting strategy involves the following:
• Adhere to guidance outlined in DoD 5000, Directive 7, Federal Acquisition Regulations (FAR), and FAR Supplement Policies and Procedures.
• RDT&E OPSEC capabilities, systems, tools, products, and services through a disciplined, yet agile, process that ensures signature management and signature obfuscation capabilities are available for DoD components.
• Sustain an acquisition process that is responsive and responsible to internal and external customers and stakeholders.

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• Continue to support the warfighter's need for capabilities that dominate today's dynamic, networked battlespace by providing strategy across the DoD for the planning and execution of OPSEC.

F. Performance Metrics

RDT&E performance metrics are used to establish baseline and assess progress toward enhancement and increase of OPSEC capabilities and capacities across the DoD's assigned responsibilities. The following metrics are based on the ROI of RDT&E investments and provide assessment to meeting:

1) operational requirements for OPSEC capabilities, 2) technical requirements for successful engineering, and 3) programmatic requirements for sustaining RDT&E successes across the Department:

- Seventy percent of evaluations and tests on engineered prototypes and next generation capabilities address CCMD and/or DoD Component requirements. The remaining thirty percent serve as the pivot to improve service level operational capabilities or to address alternate technologies.
- One hundred percent of completed prototype development includes affiliated specifications, architecture, raw material inventories and documentation. They are maintained in a centralized database repository used to support feedback and future efforts.
- Fifty percent of prototypes and next generation capabilities transition into DoD Component Program Management Offices and Program Executive Offices to fulfill DoD urgent needs, while the remaining fifty percent are reviewed for alternative operational utility and sent to the appropriate Service or Agency for application.