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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 / BA 6: RDT&E Management Support	R-1 Program Element (Number/Name) PE 0606225D8Z / ODNA Technology & Research Analysis
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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	0.000	3.500	1.000	1.000	-	1.000	0.000	0.000	0.000	0.000	Continuing	Continuing
P225: Technology and Research Analysis	-	3.500	1.000	1.000	-	1.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Program Element established during FY 2016 year of execution.

A. Mission Description and Budget Item Justification

The Office of Net Assessment develops and coordinates analyses that examine the standing trends and future prospects of U.S. and other military capabilities and military potential. The net assessments address near and long-term problems and opportunities for the U.S. military forces to help counter technological advantages of potential adversaries of the United States. These efforts will pursue research to analyze the future security environment.

B. Program Change Summary (\$ in Millions)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Previous President's Budget	0.000	0.000	0.000	-	0.000
Current President's Budget	3.500	1.000	1.000	-	1.000
Total Adjustments	3.500	1.000	1.000	-	1.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	3.500	-			
• SBIR/STTR Transfer	-	-			
• FY 2017 Request for Additional Appropriations	-	1.000	-	-	-
• FY 2018 Reques for Additional Appropriations	-	-	1.000	-	1.000

Change Summary Explanation

FY 2016 increase due to reprogramming actions from other OSD programs.

FY 2017 funding request of +\$1.000 million is required to address emergency warfighting readiness requirements.

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2016	FY 2017	FY 2018
Title: Technology and Research Analysis Description: The Office of Net Assessment develops and coordinates analyses that examine the standing trends and future prospect of U.S. and other military capabilities and military potential. The net assessments address near and long-term problems and opportunities for the U.S. military forces to help counter technological advantages of potential adversaries of the United States. These efforts will pursue research to analyze the future security environment. FY 2016 Accomplishments: - Initiated research into possible technical and operational applications for robotics and autonomous systems. - Examined evolving business models and RD&A practices within the global market, how they have changed in the past ten years, and initiated forecast trends. - Conducted analysis of future concepts of operation and possible adversary courses of action and responses to emerging capabilities. FY 2017 Plans: - Develop analysis of potential advances in machine learning and human machine teaming. - Continue to conduct analysis of future concepts of operation and possible courses of action and responses to emerging capabilities. - Invest in assessment of new research areas to assess potential revolutionary advances and their implications to the character of future military conflict. FY 2018 Plans: - Invest in Biosciences Net Assessment to assess potential revolutionary advances. - Continue to conduct analysis on future concepts of operation and possible courses of action and responses to emerging capabilities. - Conduct analysis in AI/Human Machine Teaming to identify areas of consideration for potential advanced capability demonstrations.		3.500	1.000	1.000
Accomplishments/Planned Programs Subtotals		3.500	1.000	1.000
D. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
E. Acquisition Strategy N/A				

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<u>F. Performance Metrics</u> N/A		