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Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Office of Secretary Of Defense	Date: March 2014
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Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
0400: Research, Development, Test & Evaluation, Defense-Wide / BA 3: Advanced Technology Development (ATD)					PE 0603288D8Z / Science and Technology (S&T) Analytic Assessments							
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	-	-	-	12.000	-	12.000	12.000	12.000	12.000	12.000	Continuing	Continuing
P328: Science and Technology Analytic Assessments	-	-	-	12.000	-	12.000	12.000	12.000	12.000	12.000	Continuing	Continuing

The FY 2015 OCO Request will be submitted at a later date.

Note

This is a new start Program/Program Element.

A. Mission Description and Budget Item Justification

This PE directly supports the call for developing innovative capabilities to meet the emerging threats in the areas of Anti-Access/Area Denial (A2/AD) environments, missiles, advanced Integrated Air Defense Systems (IADS), surface warfare, warfare from under the sea, counter-terrorism, and counter-Weapons of Mass Destructions (WMD), with cross-domain challenges in areas such as cyber, electronic warfare, and Intelligence, Surveillance, Reconnaissance (ISR) defense outlined in Sustaining U.S. Global Leadership: Priorities for the 21st Century Defense. The S&T analytic assessments performed under this budget item will include the following activities:

- Threat envelope assessments beyond intelligence community products for identifying gaps in U.S. capability for critical threats (Red teaming)
- Independent assessment of critical capability and technology development (Red teaming)
- Architecture development and evaluation to develop new U.S. capability (Blue teaming)
- Experimentation campaigns to demonstrate technologies enabling the Commons in preparation for rapidly transitioning the capability either directly to warfighters or to acquisition programs (Blue teaming)

<u>B. Program Change Summary (\$ in Millions)</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015 Base</u>	<u>FY 2015 OCO</u>	<u>FY 2015 Total</u>
Previous President's Budget	-	-	-	-	-
Current President's Budget	-	-	12.000	-	12.000
Total Adjustments	-	-	12.000	-	12.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• DoD Priorities and Requirements	-	-	12.000	-	12.000

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Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide I BA 3: Advanced Technology Development (ATD)</i>		R-1 Program Element (Number/Name) PE 0603288D8Z I <i>Science and Technology (S&T) Analytic Assessments</i>	
<u>Congressional Add Details (\$ in Millions, and Includes General Reductions)</u> Project: P328: <i>Science and Technology Analytic Assessments</i> Congressional Add: <i>Science and Technology Analytic Assessments</i>		FY 2013	FY 2014
Congressional Add Subtotals for Project: P328		-	-
Congressional Add Totals for all Projects		-	-
<u>Change Summary Explanation</u> FY 2015: This is a new start program in FY 2015, PE 0603288D8Z, Science and Technology Analytic Assessments. Program increase is to support the higher priorities of agency operations.			

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Office of Secretary Of Defense										Date: March 2014		
Appropriation/Budget Activity 0400 / 3					R-1 Program Element (Number/Name) PE 0603288D8Z / Science and Technology (S&T) Analytic Assessments				Project (Number/Name) P328 / Science and Technology Analytic Assessments			
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
P328: Science and Technology Analytic Assessments	-	-	-	12.000	-	12.000	12.000	12.000	12.000	12.000	Continuing	Continuing
# The FY 2015 OCO Request will be submitted at a later date.												
A. Mission Description and Budget Item Justification												
This PE directly supports the call for developing innovative capabilities to meet the emerging threats in the areas of A2/AD environments, missiles, advanced IADS, surface warfare, warfare from under the sea, counter-terrorism, and counter-WMD, with cross-domain challenges in areas such as cyber, electronic warfare, and ISR defense outlined in Sustaining U.S. Global Leadership: Priorities for the 21st Century Defense. The S&T analytic assessments performed under this budget item will include the following activities:												
• Threat envelope assessments beyond intelligence community products for identifying gaps in U.S. capability for critical threats (Red teaming) • Independent assessment of critical capability and technology development (Red teaming) • Architecture development and evaluation to develop new U.S. capability (Blue teaming) • Experimentation campaigns to demonstrate technologies enabling the Commons in preparation for rapidly transitioning the capability either directly to warfighters or to acquisition programs (Blue teaming)												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2013	FY 2014	FY 2015	
Title: Science and Technology Analytic Assessments									-	-	12.000	
FY 2015 Plans:												
In order to accomplish a balanced program, the target ratios of studies, experiments and prototypes, and testing and integration is roughly 20%/40%/40%. The activities in FY 2015 deviate slightly from this balance as studies completed during FY 2014 (funded through other PEs) mature into experiments, prototypes, then subsequently testing and integration. Accordingly, the following activities are planned for FY 2015:												
- Quick Reaction Analytic efforts responding to critical questions related to vulnerabilities to developing missiles, options for electronic warfare capability applied to missile defense, Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR), and undersea engagements. - Prototype development of an electronic attack capability for a high priority ballistic missile threat. - Prototype development of an electronic attack for a high priority surface naval engagement. - Analytic prototype development of a next generation electronic warfare capability for both air and surface based kill chains. - Development of analytic tools and analysis for electronic warfare in a complex environment. - Development of capability improvement prototype concept for resilient ISR. - Development of capability improvement architecture and prototype concept for assured tactical communications.												

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2013	FY 2014
- Experimental data collection applied to ISR capabilities. - Architecture assessment and element prototyping for countering situational awareness resources. - System and technology assessment for warfare from under the sea.			
Accomplishments/Planned Programs Subtotals		-	12.000
		FY 2013	FY 2014
Congressional Add: Science and Technology Analytic Assessments		-	-
FY 2013 Accomplishments: N/A			
FY 2014 Plans: N/A			
Congressional Adds Subtotals		-	-
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
N/A			
E. Performance Metrics			
- Critical gaps in U. S. capability are identified. - Gaps in U. S. technology development are identified. - New architectures and evaluation criteria for developing U. S. capability are identified. - Experiments and prototypes demonstrate new technologies or new tactics, techniques and procedures for dealing with emerging threats.			