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Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Navy DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>					R-1 ITEM NOMENCLATURE PE 0603790N: <i>NATO Research and Deve</i>							
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COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	30.115	9.402	9.389	7.509	-	7.509	10.786	10.557	9.970	10.151	Continuing	Continuing
2293: <i>NATO Cooperative R & D</i>	30.115	9.402	9.389	7.509	-	7.509	10.786	10.557	9.970	10.151	Continuing	Continuing

[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

^{##} The FY 2014 OCO Request will be submitted at a later date

A. Mission Description and Budget Item Justification

In accordance with Title 10 United States Code, Section 2350a, this Program Element (PE) provides funding for research and development (R&D) programs with approved allies under international agreements. These funds can only be applied to work efforts in the U.S., and the Under Secretary of Defense, Acquisition and Technology and Logistics (USD, AT&L) must approve each international agreement. The program provides funds for multiple projects under separately approved international agreements as well as funds that support the establishment of such agreements. Each international agreement is summarized in a separate Summary Statement of Intent (SSOI) that also states why the project serves to increase the defense capabilities of the U.S. The SSOI is used to obtain Project approval by the Department of the Navy and the Office of the Secretary of Defense.

This program historically does not meet established execution benchmarks. The North Atlantic Treaty Organization (NATO) R&D cooperative programs differ from other Research, Development, Test and Evaluation (RDT&E) programs because issuance of funding from this PE coincides with the signature of international agreements. These signatures occur throughout the fiscal year and often encounter unexpected delays during the staffing and negotiation phases of agreement processing prior to signature.

B. Program Change Summary (\$ in Millions)	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget	9.140	9.389	9.520	-	9.520
Current President's Budget	9.402	9.389	7.509	-	7.509
Total Adjustments	0.262	0.000	-2.011	-	-2.011
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	0.500	0.000			
• SBIR/STTR Transfer	-0.238	0.000			
• Rate/Misc Adjustments	0.000	0.000	-2.011	-	-2.011

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy									DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 ITEM NOMENCLATURE PE 0603790N: NATO Research and Deve				PROJECT 2293: NATO Cooperative R & D			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
2293: NATO Cooperative R & D	30.115	9.402	9.389	7.509	-	7.509	10.786	10.557	9.970	10.151	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0		0	0	0	0	0		
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
In accordance with Title 10 U.S. Code Section 2350a, this project provides funding for research and development projects with approved allies under international agreements. These funds can only be applied to work efforts in the U.S., and the Office of Secretary of Defense must approve each international agreement. The program provides funds for multiple projects under separately approved international agreements as well as funds that support the establishment of such agreements. Each international agreement is summarized in a separate SSOI which also states why the project serves to increase the conventional defense capabilities of the U.S. The SSOI is used to obtain project approval by the Department of the Navy and the Office of the Secretary of Defense.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2012	FY 2013	FY 2014	
Title: NATO Cooperative R & D									9.402	9.389	7.509	
									Articles: 0	0	0	
FY 2012 Accomplishments:												
- Continue to plan and/or support FY12 approved cooperative projects less those noted as completed above.												
- Completed support for the Coalition Network for Secure Information Sharing (CoNSIS) cooperative project between the U.S. and multiple nations.												
- Completed support for Enhancing and Validating the Dynamic System Mechanics Advanced Simulation (DYSMAS) to meet Emerging Modeling and Simulation Changes cooperative project between the U.S. and Germany.												
- Completed support for the Submarine Hydrodynamics Maneuvering & Control cooperative project between the U.S. and the U.K.												
- Initiated support for the ProSimon cooperative project between the U.S. and the Netherlands.												
- Continued support for the Submarine Sonar Telemetry cooperative project between the U.S. and the U.K.												
- Completed support for Torpedo Guidance and Control; False Targets cooperative project between the U.S. and the U.K.												
- Continued support for the Advanced Electromagnetic Silencing project between the U.S. and the U.K.												
- Initiated support for the Submarine Electric Power and Propulsion project between the U.S. and UK.												
- Initiated support for the Alternate Material Propeller cooperative project between the U.S. and Australia.												
- Continued support for the Test, Planning, and execution project between the U.S. and multiple nations.												
- Completed support for the Medusa project between the U.S. and Japan.												
- Continued support for the Submarine Composite Structures project between the U.S. and UK.												

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy		DATE: April 2013	
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>		R-1 ITEM NOMENCLATURE PE 0603790N: <i>NATO Research and Deve</i>	PROJECT 2293: <i>NATO Cooperative R & D</i>
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2012	FY 2013
- Completed support for the Fiber Optic Mini Acoustic project between the U.S. and Australia. <i>FY 2013 Plans:</i> - Continue to plan and/or support FY12/13 approved cooperative projects. - Planned support for the Arctic Ship Design project between the U.S. and Finland. - Planned support for the Submarine Very Low Frequency project between the U.S. and UK. - Planned support for the Submarine Electric Actuation project between the U.S. and UK. - Planned support for the Waterside Rapid Deployment project among the U.S., Australia, and Canada. - Planned support for the Weight Critical Structures project between the U.S. and UK. <i>FY 2014 Plans:</i> - Continue to plan and/or support FY13 approved cooperative projects.			
Accomplishments/Planned Programs Subtotals		9.402	9.389
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
N/A			
E. Performance Metrics			
The intent of the North Atlantic Treaty Organization (NATO) cooperative R&D program is to provide "start-up" funds for projects seeking allied contributions into cooperative research and development projects with the U.S. The primary metric used in the program is foreign contributions into projects supported by the program. The performance goal is met if total foreign contributions into projects exceed total NATO cooperative R&D program funds by over 100%.			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)						R-1 ITEM NOMENCLATURE PE 0603790N: NATO Research and Deve				PROJECT 2293: NATO Cooperative R & D					
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test and Evaluation	C/FP	NAVSEA:Washington Navy Yard, DC	8.407	2.500	Sep 2012	4.000	Sep 2013	3.989	May 2014	-		3.989	Continuing	Continuing	Continuing
Developmental Test and Evaluation	C/FP	NSWC:West Bethesda, MD	8.121	2.000	Sep 2012	1.500	Sep 2013	2.000	Sep 2014	-		2.000	Continuing	Continuing	Continuing
Developmental Test and Evaluation	C/FP	NUWC:Newport, RI	1.002	0.000		0.750	Jun 2013	0.500	Jan 2014	-		0.500	Continuing	Continuing	Continuing
Developmental Test and Evaluation	C/FP	SPAWAR:San Diego, CA	1.853	1.500	Sep 2012	0.500	Sep 2013	0.500	Sep 2014	-		0.500	Continuing	Continuing	Continuing
Developmental Test and Evaluation	C/FP	NAVAIR:Patuxent River, MD	1.000	0.000		0.750	Apr 2013	0.386	Apr 2014	-		0.386	Continuing	Continuing	Continuing
Developmental Test and Evaluation	C/FP	NRL:Washington, DC	0.900	0.700	Sep 2012	0.750	Sep 2013	0.134	Sep 2014	-		0.134	Continuing	Continuing	Continuing
Developmental Test and Evaluation	C/FP	NAWC:Point Mugu, CA	2.500	2.000	Apr 2012	1.000	Apr 2013	0.000		-		0.000	Continuing	Continuing	Continuing
Developmental Test and Evaluation	C/FP	Miscellaneous:Philadelphia, PA	6.283	0.702	Sep 2012	0.139	Sep 2013	0.000		-		0.000	Continuing	Continuing	Continuing
Subtotal			30.066	9.402		9.389		7.509		0.000		7.509			
Support (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ACQ Workforce Fund	Various	Various:Various	0.049	0.000		0.000		0.000		-		0.000	0.000	0.049	
Subtotal			0.049	0.000		0.000		0.000		0.000		0.000	0.000	0.049	
			All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			30.115	9.402		9.389		7.509		0.000		7.509			
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Navy			DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY			R-1 ITEM NOMENCLATURE		
1319: Research, Development, Test & Evaluation, Navy			PE 0603790N: NATO Research and Deve		
BA 4: Advanced Component Development & Prototypes (ACD&P)			PROJECT		
			2293: NATO Cooperative R & D		

	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Proj 2293																												
International Agreements																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Navy		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)	R-1 ITEM NOMENCLATURE PE 0603790N: NATO Research and Deve	PROJECT 2293: NATO Cooperative R & D

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 2293				
International Agreements	1	2012	4	2017