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Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Navy **Date:** March 2023

Appropriation/Budget Activity 1319: <i>Research, Development, Test & Evaluation, Navy / BA 4: Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0603790N / NATO Research and Deve
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COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
Total Program Element	113.551	5.805	8.041	6.265	-	6.265	8.691	8.482	7.918	8.077	Continuing	Continuing
2293: <i>NATO Cooperative R & D</i>	113.551	5.805	8.041	6.265	-	6.265	8.691	8.482	7.918	8.077	Continuing	Continuing

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. The Under Secretary of Defense, Acquisition and Sustainment (USD, A&S) 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.

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 Program Element (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 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Previous President's Budget	5.805	8.041	7.977	-	7.977
Current President's Budget	5.805	8.041	6.265	-	6.265
Total Adjustments	0.000	0.000	-1.712	-	-1.712
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	0.000	0.000	-1.744	-	-1.744
• Rate/Misc Adjustments	0.000	0.000	0.032	-	0.032

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy										Date: March 2023		
Appropriation/Budget Activity 1319 / 4					R-1 Program Element (Number/Name) PE 0603790N / NATO Research and Deve				Project (Number/Name) 2293 / NATO Cooperative R & D			
COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
2293: NATO Cooperative R & D	113.551	5.805	8.041	6.265	-	6.265	8.691	8.482	7.918	8.077	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

In accordance with Title 10 United States Code, Section 2350a, this 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. The Under Secretary of Defense, Acquisition and Sustainment (USD, A&S) 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.

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.

This NATO Research and Development program funds U.S. activities to support the identification and implementation of International Agreements (IAs) intended to address Chief of Naval Operations (CNO) priorities and identified interoperability gaps.

- Projects depend on commitment of U.S. and allies, and are subject to imprecise staffing timelines (funding typically provided when international agreement is signed, often later in the Fiscal Year (FY)).
- Funds must be identified/committed early (1-2 years prior) to indicate support during processing (in Summary Statement of Intent).
- These funds only constitute a portion of U.S. project funding.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Title: NATO Cooperative R & D	5.805	8.041	6.265	0.000	6.265
Articles:	-	-	-	-	-
FY 2023 Plans:					
-Continue to support approved Cooperative projects from prior Fiscal Years.					
-Plan and support approved FY 2023 Cooperative projects.					
Projects may include, but are not limited to:					
-Coalition Underwater Mine and IED Defeat (CUMID) PA [U.S., Canada, and Norway]					
-Compact Common Aperture Dual-Band IR Imaging (CCADBIRI) Band IR Imaging PA [U.S. and Israel]					

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
<ul style="list-style-type: none"> -Electronic Warfare and Spectrum Superiority Development (EWSS-D) PA [U.S. and Israel] -Federated Information Sharing for Tactical Network (FIST) MOU [U.S., Germany, and Norway] -Maritime Automatic Surface Ship Classification (MASSC) PA [U.S. and Australia] -Next Generation Amphibious Technologies (NGAT) PA [U.S. and Japan] -Novel Degraded Visual Environments (Novel DVE) PA [U.S. and UK] -Quantum Enhanced Undersea Surveillance Technology (QuEST) PA [U.S. and Australia] -Submarine Technologies PA [U.S. and UK] -Undersea Technologies Capability Development PA [U.S. and Australia] <p>FY 2024 Base Plans:</p> <ul style="list-style-type: none"> -Continue to support approved Cooperative projects from prior Fiscal Years. -Plan and support approved FY 2024 Cooperative projects. <p>Projects may include, but are not limited to:</p> <ul style="list-style-type: none"> -Coalition Underwater Mine and IED Defeat (CUMID) PA [U.S., Canada, and Norway] -Compact Common Aperture Dual-Band IR Imaging (CCADBIRI) Band IR Imaging PA [U.S. and Israel] -Electronic Warfare and Spectrum Superiority Development (EWSS-D) PA [U.S. and Israel] -Federated Information Sharing for Tactical Network (FIST) MOU [U.S., Germany, and Norway] -Maritime Automatic Surface Ship Classification (MASSC) PA [U.S. and Australia] -Next Generation Amphibious Technologies (NGAT) PA [U.S. and Japan] -Novel Degraded Visual Environments (Novel DVE) PA [U.S. and UK] -Quantum Enhanced Undersea Surveillance Technology (QuEST) PA [U.S. and Australia] -Submarine Technologies PA [U.S. and UK] -Undersea Technologies Capability Development PA [U.S. and Australia] <p>FY 2024 OCO Plans: N/A</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: The FY 2024 funding decrease of \$1.776M is due to reductions in new start key enabler partnership building technology and development programs addressing U.S. Department of Navy (DoN) capability gaps.</p>					
Accomplishments/Planned Programs Subtotals	5.805	8.041	6.265	0.000	6.265

C. Other Program Funding Summary (\$ in Millions)
N/A

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C. Other Program Funding Summary (\$ in Millions)

Remarks

D. Acquisition Strategy

N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Navy **Date:** March 2023

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Product Development (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	28.745	0.000		1.000	Feb 2023	0.750	Dec 2023	-		0.750	Continuing	Continuing	Continuing
Developmental Test and Evaluation	C/FP	NSWC : West Bethesda, MD	13.821	0.000		0.500	Nov 2022	0.400	Nov 2023	-		0.400	Continuing	Continuing	Continuing
Developmental Test and Evaluation	C/FP	NUWC : Newport, RI	3.786	0.000		0.300	Dec 2022	0.300	Jan 2024	-		0.300	Continuing	Continuing	Continuing
Developmental Test and Evaluation	C/FP	NIWC : San Diego, CA	8.075	0.350	Nov 2021	0.400	Mar 2023	0.400	Jan 2024	-		0.400	Continuing	Continuing	Continuing
Developmental Test and Evaluation	C/FP	NAVAIR : Patuxent River, MD	4.457	0.284	Dec 2021	0.400	Nov 2022	0.300	May 2024	-		0.300	Continuing	Continuing	Continuing
Developmental Test and Evaluation	C/FP	NRL : Washington, DC	10.056	3.260	Mar 2022	2.741	Feb 2023	1.765	Dec 2023	-		1.765	Continuing	Continuing	Continuing
Developmental Test and Evaluation	C/FP	NAWC : Point Mugu, CA	7.910	0.000		0.500	Dec 2022	0.400	Mar 2024	-		0.400	Continuing	Continuing	Continuing
Developmental Test and Evaluation	C/FP	MARCOR : Washington.DC	1.200	0.000		0.000		0.000		-		0.000	0.000	1.200	-
Developmental Test and Evaluation	C/FP	NSWCCD : Carderock, MD	3.829	0.000		0.000		0.000		-		0.000	0.000	3.829	-
Developmental Test and Evaluation	C/FP	ONR : Arlington, VA	4.195	0.500	Dec 2021	0.800	Mar 2023	0.750	Nov 2023	-		0.750	0.000	6.245	-
Developmental Test and Evaluation	C/FP	USMC : Quantico, VA	0.500	0.000		0.000		0.000		-		0.000	0.000	0.500	-
Developmental Test and Evaluation	C/FP	NSWC : Indian Head, MD	0.750	0.000		0.200	Dec 2022	0.200	Nov 2023	-		0.200	0.000	1.150	-
Developmental Test and Evaluation	C/FP	NSWC : Panama City, FL	0.550	0.300	Feb 2022	0.400	Feb 2023	0.400	Apr 2024	-		0.400	0.000	1.650	-
Developmental Test and Evaluation	C/FP	GSA : Washington, DC	0.800	0.000		0.000		0.000		-		0.000	0.000	0.800	-
Developmental Test and Evaluation	C/FP	DISA : Ft Meade MD	1.410	0.000		0.000		0.000		-		0.000	0.000	1.410	-
Developmental Test and Evaluation	C/FP	CDSA : Dam Neck, VA	3.574	0.238	Nov 2021	0.000		0.000		-		0.000	0.000	3.812	-

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Exhibit R-4, RDT&E Schedule Profile: PB 2024 Navy **Date:** March 2023

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FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
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 2024 Navy **Date:** March 2023

Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0603790N / NATO Research and Deve	Project (Number/Name) 2293 / NATO Cooperative R & D
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 2293				
International Agreements	1	2022	4	2028