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Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Navy **Date:** March 2024

Appropriation/Budget Activity 1319: <i>Research, Development, Test & Evaluation, Navy / BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0101402N / <i>Navy Strategic Comms</i>
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COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
Total Program Element	623.958	46.301	51.919	29.743	-	29.743	30.822	30.802	31.264	29.780	Continuing	Continuing
1083: <i>Shore To Ship Com System</i>	332.026	39.526	42.910	26.318	-	26.318	26.444	26.465	27.049	25.477	Continuing	Continuing
3002: <i>Navy Strategic Comm Project</i>	291.932	6.775	9.009	3.425	-	3.425	4.378	4.337	4.215	4.303	Continuing	Continuing

Note

Beginning in FY22 efforts previously funded under PU 2959 were transferred to PE 0605180N Project Unit 3259.

A. Mission Description and Budget Item Justification

The details of program element 0101402N Project 1083 are classified UNCLASSIFIED//FOUO and are submitted to Congress in the classified budget justification books. Special Handling Statement: This exhibit contains NC3-N Controlled Unclassified Information (CUI). UNCLASSIFIED//FOUO material within shall be developed, stored, and transmitted on classified networks in accordance with SPAWAR ltr 5510 Ser 00/245 19 April 2018.

Project 3002: The E-6 is a manned airborne platform that provides survivable, endurable and reliable Command, Control and Communications capability in support of the President, Secretary of Defense and United States strategic and non-strategic forces. In order to respond effectively to emerging capability requirements, continued effort is needed to perform technical evaluations, modeling and simulation, investigative ground and flight testing, enhanced software modifications and development of configuration modifications. Funding is for operational mission analysis and hardware/software engineering required to optimize E-6 systems for cyber security and interoperability in a strategic environment.

B. Program Change Summary (\$ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	49.424	51.919	27.334	-	27.334
Current President's Budget	46.301	51.919	29.743	-	29.743
Total Adjustments	-3.123	0.000	2.409	-	2.409
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-1.695	0.000			
• SBIR/STTR Transfer	-1.428	0.000			
• Program Adjustments	0.000	0.000	2.418	-	2.418
• Rate/Misc Adjustments	0.000	0.000	-0.009	-	-0.009

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Appropriation/Budget Activity
1319: *Research, Development, Test & Evaluation, Navy / BA 7: Operational Systems Development*

R-1 Program Element (Number/Name)
PE 0101402N / *Navy Strategic Comms*

Change Summary Explanation

FY 2025 increased by a total of \$2.409 million since the previous President's Budget submission. Details as follows:

- Decrease of \$0.644M to Project 3002 are due to miscellaneous adjustments.
- Project 1083 increased by \$3.053M. The details of program element 0101402N Project 1083 are classified and are submitted to Congress in the classified budget justification books.

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy **Date:** March 2024

Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0101402N / Navy Strategic Comms	Project (Number/Name) 1083 / Shore To Ship Com System
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COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
1083: Shore To Ship Com System	332.026	39.526	42.910	26.318	-	26.318	26.444	26.465	27.049	25.477	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The details of program element 0101402N Project 1083 are classified and are submitted to Congress in the classified budget justification books.

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

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: Shore To Ship Com System	39.526	42.910	26.318	0.000	26.318
Articles:	-	-	-	-	-
FY 2024 Plans: The details of program element 0101402N Project 1083 are classified and are submitted to Congress in the classified budget justification books.					
FY 2025 Base Plans: The details of program element 0101402N Project 1083 are classified and are submitted to Congress in the classified budget justification books.					
FY 2025 OCO Plans: N/A					
FY 2024 to FY 2025 Increase/Decrease Statement: The details of program element 0101402N Project 1083 are classified and are submitted to Congress in the classified budget justification books.					
Accomplishments/Planned Programs Subtotals	39.526	42.910	26.318	0.000	26.318

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

Line Item	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
• OPN/3107: Submarine Broadcast Support	89.767	73.791	136.846	-	136.846	112.905	92.862	95.171	98.751	Continuing	Continuing

Remarks

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy **Date:** March 2024

Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0101402N / <i>Navy Strategic Comms</i>	Project (Number/Name) 1083 / <i>Shore To Ship Com System</i>
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D. Acquisition Strategy

The details of program element 0101402N Project 1083 are classified and are submitted to Congress in the classified budget justification books.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy **Date:** March 2024

Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0101402N / Navy Strategic Comms	Project (Number/Name) 1083 / Shore To Ship Com System
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Product Development (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Classified	Various	Not Specified : Not Specified	154.006	18.839	Nov 2022	16.990	Nov 2023	6.511	Nov 2024	-		6.511	Continuing	Continuing	Continuing
Subtotal			154.006	18.839		16.990		6.511		-		6.511	Continuing	Continuing	N/A

Remarks
The details of program element 0101402N Project 1083 are classified SECRET//NOFORN and are submitted to Congress in the classified budget justification books.

Support (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Classified	Various	Not Specified : Not Specified	55.075	5.844	Nov 2022	11.090	Nov 2023	7.689	Nov 2024	-		7.689	Continuing	Continuing	Continuing
Subtotal			55.075	5.844		11.090		7.689		-		7.689	Continuing	Continuing	N/A

Remarks
The details of program element 0101402N Project 1083 are classified SECRET//NOFORN and are submitted to Congress in the classified budget justification books.

Test and Evaluation (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Operational Test & Evaluation (OT&E)	Various	Not Specified : Not Specified	101.979	13.319	Nov 2022	12.576	Nov 2023	10.054	Nov 2024	-		10.054	Continuing	Continuing	Continuing
Subtotal			101.979	13.319		12.576		10.054		-		10.054	Continuing	Continuing	N/A

Remarks
The details of program element 0101402N Project 1083 are classified SECRET//NOFORN and are submitted to Congress in the classified budget justification books.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy **Date:** March 2024

Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0101402N / Navy Strategic Comms	Project (Number/Name) 1083 / Shore To Ship Com System
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Management Services (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Classified	Various	Not Specified : Not Specified	20.966	1.524	Nov 2022	2.254	Nov 2023	2.064	Nov 2024	-		2.064	Continuing	Continuing	Continuing
Subtotal			20.966	1.524		2.254		2.064		-		2.064	Continuing	Continuing	N/A

Remarks
The details of program element 0101402N Project 1083 are classified SECRET//NOFORN and are submitted to Congress in the classified budget justification books.

	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	332.026	39.526	42.910	26.318	-	26.318	Continuing	Continuing	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Navy **Date:** March 2024

Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0101402N / Navy Strategic Comms	Project (Number/Name) 1083 / Shore To Ship Com System
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Proj 1083	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
	Classified																											

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy **Date:** March 2024

Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0101402N / <i>Navy Strategic Comms</i>	Project (Number/Name) 1083 / <i>Shore To Ship Com System</i>
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Proj 1083</i>				
Classified	1	2023	4	2029

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy										Date: March 2024		
Appropriation/Budget Activity 1319 / 7					R-1 Program Element (Number/Name) PE 0101402N / Navy Strategic Comms				Project (Number/Name) 3002 / Navy Strategic Comm Project			
COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
3002: Navy Strategic Comm Project	291.932	6.775	9.009	3.425	-	3.425	4.378	4.337	4.215	4.303	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The E-6 is a manned airborne platform that provides survivable, enduring and reliable Command, Control and Communications capability, in support of the President, Secretary Of Defense and United States strategic and non-strategic forces. In order to respond effectively to emerging capability requirements, continued effort is needed to prototype, integrate, and demonstrate compatible communications, in support of interoperability with other Enterprise assets. Additional required efforts include performing technical assessments, Evaluations, Modeling and Simulation, investigative ground and flight testing, and enhanced software modifications and development of configuration modifications. Funding is for operational mission analysis, prototyping and integration for demonstration, and the hardware/software engineering required to optimize E-6 systems for effective cyber security and interoperability in a strategic environment.

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

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: Operational System Development, Studies and Demonstrations	6.775	9.009	3.425	0.000	3.425
Articles:	-	-	-	-	-
FY 2024 Plans: Perform operational mission analyses and conduct advanced simulations, modeling, prototyping, integrations and demonstrations, using the E-6B Systems Integration Laboratory (SIL) and contractor assets to address system obsolescence and research potential upgrades. Additional plans include researching and ensuring Cyber Security software improvements and interoperability of the E-6B platform.					
FY 2025 Base Plans: Perform operational mission analyses and conduct advanced simulations, modeling, prototyping, integrations and demonstrations, using the E-6B Systems Integration Laboratory (SIL) and contractor assets to address system obsolescence and research potential upgrades. Additional plans include researching and ensuring Cyber Security software improvements and interoperability of the E-6B platform.					
FY 2025 OCO Plans: N/A					
FY 2024 to FY 2025 Increase/Decrease Statement: Funds decreased by \$5M due to completion of cyber security upgrade study.					
Accomplishments/Planned Programs Subtotals	6.775	9.009	3.425	0.000	3.425

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy	Date: March 2024
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Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0101402N / Navy Strategic Comms	Project (Number/Name) 3002 / Navy Strategic Comm Project
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C. Other Program Funding Summary (\$ in Millions)

<u>Line Item</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u> <u>Base</u>	<u>FY 2025</u> <u>OCO</u>	<u>FY 2025</u> <u>Total</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• APN/0564: E-6 Series	129.001	164.571	142.368	-	142.368	133.103	135.724	138.944	141.890	116.874	3,387.267

Remarks

D. Acquisition Strategy

Research, Development, Test & Evaluation, Navy (RDT&E,N) Project Unit 3002 funds continuing efforts to perform technical evaluations, modeling & simulation and investigative ground and flight testing. Aircraft Procurement, Navy, Modification of Aircraft (APN-5) funds integration, procurement and installation of aircraft modifications.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy **Date:** March 2024

Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0101402N / Navy Strategic Comms	Project (Number/Name) 3002 / Navy Strategic Comm Project
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Product Development (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Prior Year Production Development no longer funded in the FYDP	Various	Various : Various	195.224	0.000		0.000		0.000		-		0.000	0.000	195.224	-
Production Development	Various	Various : Various	1.985	3.664	Nov 2022	5.816	Nov 2023	0.640	Nov 2024	-		0.640	0.000	12.105	-
Subtotal			197.209	3.664		5.816		0.640		-		0.640	0.000	207.329	N/A

Support (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Studies & Analyses	Various	Various : Various	10.912	0.184	Nov 2022	0.187	Nov 2023	0.187	Nov 2024	-		0.187	Continuing	Continuing	Continuing
E-6B Recapitalization Analysis of Alternatives	Various	Various : Various	5.937	0.000		0.000		0.000		-		0.000	0.000	5.937	-
Studies & Analyses	C/CPFF	John Hopkins Universtiy (JHU) : Laurel, Maryland	5.671	2.028	Nov 2022	2.069	Nov 2023	1.826	Nov 2024	-		1.826	Continuing	Continuing	Continuing
Subtotal			22.520	2.212		2.256		2.013		-		2.013	Continuing	Continuing	N/A

Test and Evaluation (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Prior Year Operational Test & Evaluation Not Funded FYDP (PYOT&E)	Various	Various : Various	6.461	0.000		0.000		0.000		-		0.000	0.000	6.461	-
Subtotal			6.461	0.000		0.000		0.000		-		0.000	0.000	6.461	N/A

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0101402N / Navy Strategic Comms	Project (Number/Name) 3002 / Navy Strategic Comm Project

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 3002				
Advanced Development: Studies & Analysis: Studies & Analysis	1	2023	4	2029
Advanced Development: Technical & Design Analysis: Technical & Design Analysis (FY23)	1	2023	4	2023
Advanced Development: Technical & Design Analysis: Technical & Design Analysis (FY24)	1	2024	4	2024
Advanced Development: Technical & Design Analysis: Technical & Design Analysis (FY25)	1	2025	4	2025
Advanced Development: Technical & Design Analysis: Technical & Design Analysis (FY26)	1	2026	4	2026
Advanced Development: Technical & Design Analysis: Technical & Design Analysis (FY27)	1	2027	4	2027
Advanced Development: Technical & Design Analysis: Technical & Design Analysis (FY28)	1	2028	4	2028
Advanced Development: Technical & Design Analysis: Technical & Design Analysis (FY29)	1	2029	4	2029
Advanced Development: Systems Integration Lab (SIL) Prototyping: Systems Integration Lab (SIL) Prototyping (FY23)	1	2023	4	2023
Advanced Development: Systems Integration Lab (SIL) Prototyping: Systems Integration Lab (SIL) Prototyping (FY24)	1	2024	4	2024
Advanced Development: Systems Integration Lab (SIL) Prototyping: Systems Integration Lab (SIL) Prototyping (FY25)	1	2025	4	2025
Advanced Development: Systems Integration Lab (SIL) Prototyping: Systems Integration Lab (SIL) Prototyping (FY26)	1	2026	4	2026
Advanced Development: Systems Integration Lab (SIL) Prototyping: Systems Integration Lab (SIL) Prototyping (FY27)	1	2027	4	2027

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy **Date:** March 2024

Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0101402N / Navy Strategic Comms	Project (Number/Name) 3002 / Navy Strategic Comm Project
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Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Advanced Development: Systems Integration Lab (SIL) Prototyping: Systems Integration Lab (SIL) Prototyping (FY28)	1	2028	4	2028
Advanced Development: Systems Integration Lab (SIL) Prototyping: Systems Integration Lab (SIL) Prototyping (FY29)	1	2029	4	2029
Advanced Development: Systems Integration Lab (SIL) Testing & Reporting: SIL Testing & Reporting (FY23)	1	2023	4	2023
Advanced Development: Systems Integration Lab (SIL) Testing & Reporting: SIL Testing & Reporting (FY24)	1	2024	4	2024
Advanced Development: Systems Integration Lab (SIL) Testing & Reporting: SIL Testing & Reporting (FY25)	1	2025	4	2025
Advanced Development: Systems Integration Lab (SIL) Testing & Reporting: SIL Testing & Reporting (FY26)	1	2026	4	2026
Advanced Development: Systems Integration Lab (SIL) Testing & Reporting: SIL Testing & Reporting (FY27)	1	2027	4	2027
Advanced Development: Systems Integration Lab (SIL) Testing & Reporting: SIL Testing & Reporting (FY28)	1	2028	4	2028
Advanced Development: Systems Integration Lab (SIL) Testing & Reporting: SIL Testing & Reporting (FY29)	1	2029	4	2029
Advanced Development: Product Support: Product Support (FY23)	3	2023	4	2025