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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 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 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	588.725	34.474	49.424	51.919	-	51.919	27.334	28.857	28.942	29.516	Continuing	Continuing
1083: <i>Shore To Ship Com System</i>	300.314	30.953	40.642	42.910	-	42.910	23.265	24.714	24.733	25.223	Continuing	Continuing
3002: <i>Navy Strategic Comm Project</i>	288.411	3.521	8.782	9.009	-	9.009	4.069	4.143	4.209	4.293	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, 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 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 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Previous President's Budget	35.451	49.424	44.600	-	44.600
Current President's Budget	34.474	49.424	51.919	-	51.919
Total Adjustments	-0.977	0.000	7.319	-	7.319
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.977	0.000			
• Program Adjustments	0.000	0.000	1.799	-	1.799
• Rate/Misc Adjustments	0.000	0.000	5.520	-	5.520

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Change Summary Explanation

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 2024 Navy **Date:** March 2023

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 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
1083: Shore To Ship Com System	300.314	30.953	40.642	42.910	-	42.910	23.265	24.714	24.733	25.223	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 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Title: Shore To Ship Com System	30.953	40.642	42.910	0.000	42.910
Articles:	-	-	-	-	-
FY 2023 Plans: The details of program element 0101402N Project 1083 are classified and are submitted to Congress in the classified budget justification books.					
FY 2024 Base Plans: N/A					
FY 2024 OCO Plans: N/A					
FY 2023 to FY 2024 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	30.953	40.642	42.910	0.000	42.910

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

Line Item	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
• OPN/3107: Submarine Broadcast Support	47.579	91.150	73.213	-	73.213	67.431	66.150	44.342	45.178	Continuing	Continuing

Remarks

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 2024 Navy **Date:** March 2023

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 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
Classified	Various	Not Specified : Not Specified	141.335	12.058	Nov 2021	19.414	Nov 2022	15.467	Nov 2023	-		15.467	Continuing	Continuing	Continuing
Subtotal			141.335	12.058		19.414		15.467		-		15.467	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 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
Classified	Various	Not Specified : Not Specified	49.748	5.181	Nov 2021	6.019	Nov 2022	12.781	Nov 2023	-		12.781	Continuing	Continuing	Continuing
Subtotal			49.748	5.181		6.019		12.781		-		12.781	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 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
Operational Test & Evaluation (OT&E)	Various	Not Specified : Not Specified	89.520	12.459	Nov 2021	13.650	Nov 2022	12.408	Nov 2023	-		12.408	Continuing	Continuing	Continuing
Subtotal			89.520	12.459		13.650		12.408		-		12.408	Continuing	Continuing	N/A

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

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 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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	19.711	1.255	Nov 2021	1.559	Nov 2022	2.254	Nov 2023	-		2.254	Continuing	Continuing	Continuing
Subtotal			19.711	1.255		1.559		2.254		-		2.254	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 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	300.314	30.953	40.642	42.910	-	42.910	Continuing	Continuing	N/A

Remarks

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

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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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 1083	
Classified	

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

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
Proj 1083				
Classified	1	2022	4	2028

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy										Date: March 2023		
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 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
3002: Navy Strategic Comm Project	288.411	3.521	8.782	9.009	-	9.009	4.069	4.143	4.209	4.293	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 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Title: Operational System Development, Studies and Demonstrations	3.521	8.782	9.009	0.000	9.009
Articles:	-	-	-	-	-
FY 2023 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 2024 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 2024 OCO Plans: N/A					
FY 2023 to FY 2024 Increase/Decrease Statement: Funds increased \$.227M due to increase in research and integrate additional cyber security upgrades, studies and analysis efforts and cyber management support.					
Accomplishments/Planned Programs Subtotals	3.521	8.782	9.009	0.000	9.009

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy		Date: March 2023
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0101402N / Navy Strategic Comms	Project (Number/Name) 3002 / Navy Strategic Comm Project

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

<u>Line Item</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u> <u>Base</u>	<u>FY 2024</u> <u>OCO</u>	<u>FY 2024</u> <u>Total</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• APN/0564: E-6 Series	113.247	129.049	164.571	-	164.571	143.124	133.862	136.454	139.675	105.954	3,240.019

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 2024 Navy **Date:** March 2023

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 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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	1.436	0.549	Nov 2021	5.671	Nov 2022	5.816	Nov 2023	-		5.816	0.000	13.472	-
Subtotal			196.660	0.549		5.671		5.816		-		5.816	0.000	208.696	N/A

Support (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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	10.732	0.180	Nov 2021	0.184	Nov 2022	0.187	Nov 2023	-		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	3.771	1.900	Nov 2021	2.028	Nov 2022	2.069	Nov 2023	-		2.069	Continuing	Continuing	Continuing
Subtotal			20.440	2.080		2.212		2.256		-		2.256	Continuing	Continuing	N/A

Test and Evaluation (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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-4, RDT&E Schedule Profile: PB 2024 Navy

Date: March 2023

Appropriation/Budget Activity
1319 / 7

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

Project (Number/Name)
3002 / Navy Strategic Comm Project

Fiscal Year	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
Fiscal Quarter	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
Studies & Analysis	◆-----◆																											
Technical & Design Analysis	◆-----◆																											
Systems Integration Lab (SIL) Prototyping	◆-----◆																											
Systems Integration Lab (SIL) Testing & Reporting	◆-----◆																											
Product Support					◆-----◆																							

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Exhibit R-4A, RDT&E Schedule Details: PB 2024 Navy		Date: March 2023
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	2022	4	2028
Advanced Development: Technical & Design Analysis: Technical & Design Analysis (FY22)	1	2022	4	2022
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: Systems Integration Lab (SIL) Prototyping: Systems Integration Lab (SIL) Prototyping (FY22)	1	2022	4	2022
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

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

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 (FY27)	1	2027	4	2027
Advanced Development: Systems Integration Lab (SIL) Prototyping: Systems Integration Lab (SIL) Prototyping (FY28)	1	2028	4	2028
Advanced Development: Systems Integration Lab (SIL) Testing & Reporting: SIL Testing & Reporting (FY22)	1	2022	4	2022
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: Product Support: Product Support (FY23)	1	2023	4	2024