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Exhibit R-2, RDT&E Budget Item Justification: PB 2022 Navy **Date:** May 2021

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 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
Total Program Element	542.684	29.863	41.953	35.451	-	35.451	-	-	-	-	-	-
1083: <i>Shore To Ship Com System</i>	261.759	23.604	28.024	31.799	-	31.799	-	-	-	-	-	-
2959: <i>Survivable Airborne Strategic Communications</i>	0.000	2.404	10.163	0.000	-	0.000	-	-	-	-	-	-
3002: <i>Navy Strategic Comm Project</i>	280.925	3.855	3.766	3.652	-	3.652	-	-	-	-	-	-

Note

Funds in Project Unit 2959 decrease from FY21 to FY22 due to transfer of effort to new PE 0605180N Project Unit 3259 beginning in FY22.

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 Itr 5510 Ser 00/245 19 April 2018.

Project 2959: The E-XX Take Charge and Move Out (TACAMO) Recapitalization program provides the complete replacement aircraft and mission systems for the aging E-6B aircraft. The program is intended to provide Survivable Airborne Strategic Communications in support of the President, Secretary of Defense and United States strategic and non-strategic forces. In order to provide survivable, enduring and reliable Command, Control, and Communications capability, continued effort is needed to perform technical evaluations, modeling and simulation, requirements derivation and contract development. Funding is for reducing integration risk on aircraft, developing requirements and risk reduction contracts, and a development program.

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.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2022 Navy	Date: May 2021
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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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B. Program Change Summary (\$ in Millions)	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Previous President's Budget	28.674	42.277	48.591	-	48.591
Current President's Budget	29.863	41.953	35.451	-	35.451
Total Adjustments	1.189	-0.324	-13.140	-	-13.140
• Congressional General Reductions	-	-0.324			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	2.058	0.000			
• SBIR/STTR Transfer	-0.869	0.000			
• Rate/Misc Adjustments	0.000	0.000	-13.140	-	-13.140

Change Summary Explanation

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

Funds in Project Unit 2959 decrease from FY21 to FY22 due to transfer of effort to new PE 0605180N Project Unit 3259 beginning in FY22.

Technical:

2959: Not Applicable

3002: Not Applicable

Schedule:

2959: Requirements Derivation moved from 4Q FY21 through 3Q FY23 to 4Q FY20 through 3Q FY21; Engineering and Manufacturing Development (EMD) Statement Of Work/RFP development moved from 4Q FY23 through 3Q FY24 to 4Q FY21 through 2Q FY22; RFP moved from 3Q FY24 to 2Q FY22; Contractor Bid period moved from 3Q FY24 through 1Q FY25 to 2Q FY22 to 3QFY22; Contract Award moved from 3Q FY25 to 1Q FY23; Milestone B moved from 3Q FY25 to 4Q FY22; PDR moved from 2Q FY24 to 3Q FY23; SFR moved from 4Q FY23 to 2Q FY23; VLF Risk Reduction end date moved from 3Q FY24 to 4Q FY22.

3002: Studies and Analysis end date moved from 4Q FY21 to 4Q FY22

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Exhibit R-2A, RDT&E Project Justification: PB 2022 Navy **Date:** May 2021

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			
COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
1083: Shore To Ship Com System	261.759	23.604	28.024	31.799	-	31.799	-	-	-	-	-	-
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 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Title: Shore To Ship Com System	23.604	28.024	31.799	0.000	31.799
Articles:	-	-	-	-	-
FY 2021 Plans: N/A					
FY 2022 Base Plans: N/A					
FY 2022 OCO Plans: N/A					
FY 2021 to FY 2022 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	23.604	28.024	31.799	0.000	31.799

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

Line Item	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
• OPN/3107: Submarine Broadcast Support	50.833	25.790	47.579	-	47.579	-	-	-	-	-	-

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 2022 Navy **Date:** May 2021

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 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 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	128.991	11.420	Nov 2019	12.359	Nov 2020	12.649	Nov 2021	-		12.649	-	-	-
Subtotal			128.991	11.420		12.359		12.649		-		12.649	-	-	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 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 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	40.784	4.635	Nov 2019	4.621	Nov 2020	5.101	Nov 2021	-		5.101	-	-	-
Subtotal			40.784	4.635		4.621		5.101		-		5.101	-	-	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 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 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	74.829	6.330	Nov 2019	9.703	Nov 2020	12.786	Nov 2021	-		12.786	-	-	-
Subtotal			74.829	6.330		9.703		12.786		-		12.786	-	-	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 2022 Navy **Date:** May 2021

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 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 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	17.155	1.219	Nov 2019	1.341	Nov 2020	1.263	Nov 2021	-		1.263	-	-	-
Subtotal			17.155	1.219		1.341		1.263		-		1.263	-	-	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 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	261.759	23.604	28.024	31.799	-	31.799	-	-	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2022 Navy **Date:** May 2021

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 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025			
	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																												
Empty grid for data entry																												

2021PB - 0101402N - 1083

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Exhibit R-4A, RDT&E Schedule Details: PB 2022 Navy		Date: May 2021
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>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 1083				
Classified	1	2020	4	2022

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Exhibit R-2A, RDT&E Project Justification: PB 2022 Navy										Date: May 2021		
Appropriation/Budget Activity 1319 / 7					R-1 Program Element (Number/Name) PE 0101402N / Navy Strategic Comms				Project (Number/Name) 2959 / Survivable Airborne Strategic Communications			
COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
2959: <i>Survivable Airborne Strategic Communications</i>	0.000	2.404	10.163	0.000	-	0.000	-	-	-	-	-	-
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

Note

Funding for Project Unit 2959 for FY22 through FYDP has been realigned to PE 0605180N Project Unit 3259.

A. Mission Description and Budget Item Justification

FY22 efforts are funded in the new PE 0605180N Project Unit 3259

The E-XX Take Charge and Move Out (TACAMO) Recapitalization program provides the complete replacement aircraft and mission systems for the aging E-6B aircraft. The program is intended to provide Survivable Airborne Strategic Communications in support of the President, Secretary of Defense and United States strategic and non-strategic forces. In order to provide survivable, enduring and reliable Command, Control, and Communications capability, continued effort is needed to perform technical evaluations, modeling and simulation, requirements derivation and contract development. Funding is for reducing integration risk on aircraft, developing requirements and risk reduction contracts, and a development program.

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

	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Title: Operational System Development, Studies and Demonstrations	2.404	10.163	0.000	0.000	0.000
Articles:	-	-	-	-	-
FY 2021 Plans: Prepare and document program requirements to support acquisition program initiation. Create initial acquisition strategy and develop all documentation will lead to prime contract award. Continue with risk reduction activities that influence the system design requirements.					
FY 2022 Base Plans: FY22 efforts are funded in the new PE 0605180N Project Unit 3259.					
FY 2022 OCO Plans: N/A					
FY 2021 to FY 2022 Increase/Decrease Statement:					

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Exhibit R-2A, RDT&E Project Justification: PB 2022 Navy		Date: May 2021
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0101402N / Navy Strategic Comms	Project (Number/Name) 2959 / Survivable Airborne Strategic Communications

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Funds decrease from FY21 to FY22 due to transfer of efforts to new PE 0605180N Project Unit 3259 beginning in FY22.					
Accomplishments/Planned Programs Subtotals	2.404	10.163	0.000	0.000	0.000

C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
• RDTE/ 0101402N/3002: <i>Navy Strategic Comm Project</i>	3.855	3.766	3.652	-	3.652	-	-	-	-	-	-
• RDTE/ 0605180N/3259: <i>TACAMO Modernization</i>	0.000	0.000	150.592	-	150.592	-	-	-	-	-	-

Remarks

D. Acquisition Strategy
 FY22 efforts are funded in the new PE 0605180N Project Unit 3259

Research, Development, Test & Evaluation, Navy (RDT&E N) Project Unit 2959 funds E-XX TACAMO Recapitalization Analysis of Alternatives (AoA), requirement analyses and risk reduction studies that will occur in FY20-FY22. AoA results will be used to define mission concept of operations, system capability requirements, and a preferred material solution. These will form the foundation for an initial acquisition strategy and program life cycle cost estimate in support of program milestone decision review. Trade studies and risk reduction activities will be used to refine the material solution, and derive program and system performance requirements in preparation for development contracts. The performance requirements will support the contracting efforts to award developmental contracts in FY22 to begin the Engineering and Manufacturing Development to develop mission systems and integrate them in the appropriate airframe.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2022 Navy												Date: May 2021			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)					
1319 / 7					PE 0101402N / Navy Strategic Comms					2959 / Survivable Airborne Strategic Communications					
Support (\$ in Millions)				FY 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 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
E-6B Recapitalization Analysis of Alternatives	Various	Various : Various	0.000	2.404	Jan 2020	0.000		0.000		-		0.000	-	-	-
Requirements Derivation	WR	NAWCAD : Patuxent River, MD	0.000	0.000		2.647	Nov 2020	0.000		-		0.000	-	-	-
Requirements Derivation	Various	Various : Various	0.000	0.000		1.772	Jan 2021	0.000		-		0.000	-	-	-
Risk Reduction - Studies	WR	NAWCAD : Patuxent River, MD	0.000	0.000		1.800	Nov 2020	0.000		-		0.000	-	-	-
Risk Reduction - Studies	Various	TBD : TBD	0.000	0.000		1.174	Nov 2020	0.000		-		0.000	-	-	-
Development Support	WR	NAWCAD : Patuxent River, MD	0.000	0.000		2.536	Nov 2020	0.000		-		0.000	-	-	-
Subtotal			0.000	2.404		9.929		0.000		-		0.000	-	-	N/A
Management Services (\$ in Millions)				FY 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 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
Travel	Various	Various : Various	0.000	0.000		0.010	Oct 2020	0.000		-		0.000	-	-	-
Management Support	WR	NAWCAD : Patuxent River, MD	0.000	0.000		0.224	Nov 2020	0.000		-		0.000	-	-	-
Government Engineering Support	WR	NAWCAD : St. Inigoes, Maryland	0.000	0.000		0.000		0.000		-		0.000	-	-	-
Subtotal			0.000	0.000		0.234		0.000		-		0.000	-	-	N/A
Project Cost Totals			0.000	2.404		10.163		0.000		-		0.000	-	-	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2022 Navy		Date: May 2021
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0101402N / Navy Strategic Comms	Project (Number/Name) 2959 / Survivable Airborne Strategic Communications

Fiscal Year	FY20				FY21			
Fiscal Quarter	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Program Milestones			CDD Start ▲	Draft CDD ▲				
EMD Contract						Requirements Derrivation		
Risk Reduction	Government Architecture Model - Risk Reduction Ready							

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Exhibit R-4A, RDT&E Schedule Details: PB 2022 Navy		Date: May 2021
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0101402N / Navy Strategic Comms	Project (Number/Name) 2959 / Survivable Airborne Strategic Communications

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 2959				
Risk Reduction: Government Architecture Model - Risk Reduction Ready	1	2020	3	2021
Risk Reduction: Government Architecture - PDR Maturity	4	2021	4	2021
Risk Reduction: Airframe Contract	4	2021	4	2021
Risk Reduction: VLF Contract	4	2021	4	2021
EMD Contract: Requirments Derivation	4	2020	3	2021
EMD Contract: EMD SOW/RFP	3	2021	4	2021
Program Milestones: CDD Start	3	2020	3	2020
Program Milestones: Draft CDD	4	2020	4	2020

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Exhibit R-2A, RDT&E Project Justification: PB 2022 Navy **Date:** May 2021

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 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
3002: Navy Strategic Comm Project	280.925	3.855	3.766	3.652	-	3.652	-	-	-	-	-	-
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 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. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Title: Operational System Development, Studies and Demonstrations	3.855	3.766	3.652	0.000	3.652
Articles:	-	-	-	-	-
FY 2021 Plans: Perform operational mission analyses and conduct advanced simulations, prototyping, integrations, and demonstrations using the E-6B Systems Integration Laboratory and contractor assets to address system obsolescence and potential upgrades to ensure cyber security software improvements and interoperability of the E-6B platform.					
FY 2022 Base Plans: Perform operational mission analyses and conduct advanced simulations, prototyping, integrations, and demonstrations using the E-6B Systems Integration Laboratory and contractor assets to address system obsolescence and potential upgrades to ensure cyber security software improvements and interoperability of the E-6B platform.					
FY 2022 OCO Plans: N/A					
FY 2021 to FY 2022 Increase/Decrease Statement: FY 2021 to FY 2022 decrease by \$0.089M is due to decrease of Contractor Engineering and Government Support.					
Accomplishments/Planned Programs Subtotals	3.855	3.766	3.652	0.000	3.652

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Exhibit R-2A, RDT&E Project Justification: PB 2022 Navy	Date: May 2021
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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 2020</u>	<u>FY 2021</u>	<u>FY 2022</u> <u>Base</u>	<u>FY 2022</u> <u>OCO</u>	<u>FY 2022</u> <u>Total</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• APN/0564: <i>E-6 Series</i>	153.573	196.028	128.029	-	128.029	-	-	-	-	-	-
• RDTE/0101402N/2959: <i>Survivable Airborne Strategic Communications</i>	2.404	10.163	0.000	-	0.000	-	-	-	-	-	-

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 2022 Navy **Date:** May 2021

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 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 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
Prior Year Production Development no longer funded in the FYDP	Various	Various : Various	195.224	0.000		0.000		0.000		-		0.000	-	-	-
Production Development Support	Various	Various : Various	0.000	0.781	Nov 2019	0.655	Nov 2020	0.658	Nov 2021	-		0.658	-	-	-
Subtotal			195.224	0.781		0.655		0.658		-		0.658	-	-	N/A

Support (\$ in Millions)				FY 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 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
Studies & Analyses	Various	Various : Various	10.372	0.180	Nov 2020	0.180	Nov 2020	0.180	Nov 2021	-		0.180	-	-	-
E-6B Recapitalization Analysis of Alternatives	Various	Various : Various	5.937	0.000		0.000		0.000		-		0.000	-	-	-
Studies & Analyses	C/CPFF	John Hopkins Universtiy (JHU) : Laurel, Maryland	0.000	1.880	Dec 2020	1.900	Nov 2020	1.900	Nov 2021	-		1.900	-	-	-
Subtotal			16.309	2.060		2.080		2.080		-		2.080	-	-	N/A

Test and Evaluation (\$ in Millions)				FY 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 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
Prior Year Test & Evaluation cost no longer funded in the FYDP	Various	Various : Various	6.461	0.000		0.000		0.000		-		0.000	-	-	-
Subtotal			6.461	0.000		0.000		0.000		-		0.000	-	-	N/A

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Exhibit R-4, RDT&E Schedule Profile: PB 2022 Navy		Date: May 2021
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0101402N / Navy Strategic Comms	Project (Number/Name) 3002 / Navy Strategic Comm Project



E-6B Mercury

PB-22 RDTE PU: 3002 Program Schedule

Fiscal Year	FY 2020				FY 2021				FY 2022			
	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			◆-----◆			◆-----◆					◆-----◆	

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2022 Navy **Date:** May 2021

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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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 3002				
Advanced Development: Studies & Analysis: Studies & Analysis	1	2020	4	2022
Advanced Development: Technical & Design Analysis: Technical & Design Analysis (FY20)	1	2020	2	2020
Advanced Development: Technical & Design Analysis: Technical & Design Analysis (FY21)	1	2021	2	2021
Advanced Development: Technical & Design Analysis: Technical & Design Analysis (FY22)	1	2022	2	2022
Advanced Development: Systems Integration Lab (SIL) Prototyping: Systems Integration Lab (SIL) Prototyping (FY 20)	2	2020	3	2020
Advanced Development: Systems Integration Lab (SIL) Prototyping: Systems Integration Lab (SIL) Prototyping (FY21)	2	2021	3	2021
Advanced Development: Systems Integration Lab (SIL) Prototyping: Systems Integration Lab (SIL) Prototyping (FY22)	2	2022	3	2022
Advanced Development: Systems Integration Lab (SIL) Testing & Reporting: SIL Testing & Reporting (FY20)	3	2020	4	2020
Advanced Development: Systems Integration Lab (SIL) Testing & Reporting: SIL Testing & Reporting (FY21)	3	2021	4	2021
Advanced Development: Systems Integration Lab (SIL) Testing & Reporting: SIL Testing & Reporting (FY22)	3	2022	4	2022