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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 5: System Development & Demonstration (SDD)</i>					R-1 Program Element (Number/Name) PE 0604562N / <i>Submarine Tactical Warfare System</i>							
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	861.930	57.467	71.516	71.982	-	71.982	70.136	68.975	70.270	71.742	Continuing	Continuing
0236: <i>SSN Comb Cont Sys Imprvmnt (ENG)</i>	861.930	57.467	71.516	71.982	-	71.982	70.136	68.975	70.270	71.742	Continuing	Continuing

A. Mission Description and Budget Item Justification

The AN/BYG-1 is the combat control system common across all submarine platforms which incorporates tactical control, weapon/payload control and Tactical Local Area Network (TaclAN) functions into a single procurement program. AN/BYG-1 allows the submarine to rapidly update the ship-safety tactical picture, integrates the common tactical picture into the battlegroup, improves torpedo interfaces, and provides tactical TOMAHAWK, Harpoon, and future payload capability. AN/BYG-1 systems will be continuously updated with hardware enhancements to address Commercial Off The Shelf (COTS) obsolescence and provide capability improvements through software upgrades. Hardware updates are referred to as Tech Insertion (TI) kits and are differentiated by year of development (i.e. TI-20, TI-22, TI-24, etc.). The TI upgrades provide the baseline for all future AN/BYG-1 procurements. AN/BYG-1 is part of the Submarine Warfare Federated Tactical Systems (SWFTS), a family of interdependent systems that conduct cooperative system development and installations.

Project Unit 0236: This program develops Commercial-Off-The-Shelf (COTS) based software and hardware upgrades for AN/BYG-1, the Multi-tube Weapons Simulator (MTWS), and the Common Weapon Launcher (CWL) in order to integrate improved tactical and payload control capabilities for all submarine classes.

SLUAS incorporates unmanned aerial vehicles, vehicle encapsulating canisters, vehicle command and control capabilities, and vehicle stowage into submarines. SLUAS extends the sensor range of the submarine, serving as a key enabler of Over-The-Horizon (OTH) weapons employment. SLUAS transfers to RD TEN Program Element (PE) 0101226N beginning in FY25.

Provides funding for the development of Legacy Launchers; MTWS; Information Assurance system; Onboard Team Trainer (OBTT); and Common Infrastructure Services (CIS) subsystem. This includes integration of OBTT - Master Controller (OBTT - MC) & Inter-Subsystem Monitoring Tool (ISMT) efforts as well as other common services within SWFTS.

FY25 continues funding for development of TI-24 and TI-26. Cybersecurity efforts continue to grow due to increasing interconnection complexity, more Internet Protocol based traffic in future baselines, and development of Cyber Safe Controls. Integration efforts for additional submarine payloads including MK48 ADCAP variants APB 6, APB 7 and Maritime Strike Tomahawk (MST) continue in FY25. FY25 also continues efforts to support classified payloads.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Navy	Date: March 2024
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Appropriation/Budget Activity 1319: <i>Research, Development, Test & Evaluation, Navy / BA 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0604562N / <i>Submarine Tactical Warfare System</i>
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B. Program Change Summary (\$ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	58.741	71.516	71.895	-	71.895
Current President's Budget	57.467	71.516	71.982	-	71.982
Total Adjustments	-1.274	0.000	0.087	-	0.087
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-1.274	0.000			
• Program Adjustments	0.000	0.000	0.952	-	0.952
• Rate/Misc Adjustments	0.000	0.000	-0.865	-	-0.865

Change Summary Explanation

FY 2023 reduction of \$1.274 million in support of SBIR. The overall FY25 funding was increased by \$0.952 million to account for increased payload integration costs resulting from an increase in the cost of sustaining already fielded submarine payloads. FY2025 was reduced by \$0.007 million for NWCF Rate Adjustment, \$0.593 million for CIVPERS reductions and \$0.265 million for Miscellaneous Adjustments. Submarine Launch Unmanned Aerial System (SLUAS) will transfer to RD TEN Program Element (PE) 0101226N beginning in FY25.

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy										Date: March 2024		
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0604562N / <i>Submarine Tactical Warfare System</i>				Project (Number/Name) 0236 / <i>SSN Comb Cont Sys Imprvmnt (ENG)</i>			
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
0236: <i>SSN Comb Cont Sys Imprvmnt (ENG)</i>	861.930	57.467	71.516	71.982	-	71.982	70.136	68.975	70.270	71.742	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

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Project Unit 0236: This program develops Commercial-Off-The-Shelf (COTS) based software and hardware upgrades for AN/BYG-1, the Multi-tube Weapons Simulator (MTWS), and the Common Weapon Launcher (CWL) in order to integrate improved tactical and payload control capabilities for all submarine classes.

SLUAS incorporates unmanned aerial vehicles, vehicle encapsulating canisters, vehicle command and control capabilities, and vehicle stowage into submarines. SLUAS extends the sensor range of the submarine, serving as a key enabler of Over-The-Horizon (OTH) weapons employment. SLUAS transfers to RDTEEN Program Element (PE) 0101226N beginning in FY25.

Provides funding for the development of Legacy Launchers; MTWS; Information Assurance system; Onboard Team Trainer (OBTT); and Common Infrastructure Services (CIS) subsystem. This includes integration of OBTT - Master Controller (OBTT - MC) & Inter-Subsystem Monitoring Tool (ISMT) efforts as well as other common services within SWFTS.

FY25 continues funding for development of TI-24 and TI-26. Cybersecurity efforts continue to grow due to increasing interconnection complexity, more Internet Protocol based traffic in future baselines, and development of Cyber Safe Controls. Integration efforts for additional submarine payloads including MK 48 ADCAP variants APB 6, APB 7 and Maritime Strike Tomahawk (MST) continue in FY25. FY25 also continues efforts to support classified payloads.

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

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: AN/BYG-1 Software Development	17.446	15.076	26.232	0.000	26.232
Articles:	-	-	-	-	-

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Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604562N / <i>Submarine Tactical Warfare System</i>	Project (Number/Name) 0236 / <i>SSN Comb Cont Sys Imprvmnt (ENG)</i>

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
<p>FY 2024 Plans: Continue development of TI-22/APB-23 and commence development of TI-24/APB-23. Commence design and development efforts for the Resiliency Cluster Environment.</p> <p>FY 2025 Base Plans: Continue development of TI-24/APB-23 and commence development of TI-24/APB-25. Continue design and development efforts for the Resiliency Cluster Environment.</p> <p>FY 2025 OCO Plans: N/A</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: The FY25 funding request was increased to support accelerated development of the Resiliency Cluster Environment to server as risk mitigation for TI-26 Common Computing Environment expansion across SWFTS and improve SWFTS Combat System cyber resiliency.</p>					
<p>Title: AN/BYG-1 Hardware Development</p> <p align="right">Articles:</p>	12.877 -	28.703 -	16.506 -	0.000 -	16.506 -
<p>FY 2024 Plans: Continue development, integration and test of AN/BYG-1 TI-24.</p> <p>FY 2025 Base Plans: Complete development, integration and test of AN/BYG-1 TI-24. Commence development, integration and test of AN/BYG-1 TI-26.</p> <p>FY 2025 OCO Plans: N/A</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: The FY25 funding request was decreased because funding was increased in FY24 to accelerate development of TI-24 due to supply chain delays for delivery of COTS hardware. TI-24 development efforts will complete in FY25.</p>					
<p>Title: Testing</p> <p align="right">Articles:</p>	3.238 -	3.302 -	3.368 -	0.000 -	3.368 -

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
<p>FY 2024 Plans: Continue APB-21 DT events. APB-21 DT completion shifted right two quarters into Q3 FY25 due to asset availability for at sea testing.</p> <p>FY 2025 Base Plans: Commence APB-21 OT and APB-23 DT.</p> <p>FY 2025 OCO Plans: N/A</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Increase due to inflation.</p>					
<p>Title: Payload Integration</p> <p align="right">Articles:</p>	6.940	7.079	10.599	0.000	10.599
<p>FY 2024 Plans: Continue software development efforts to support submarine payload integration of MK 48 APB 5+/APB 6, APB 7, and Maritime Strike Tomahawk. Continue integration of Harpoon BLK 1C into Payload Control System.</p> <p>Continue support of planning/prototyping for classified payloads.</p> <p>FY 2025 Base Plans: Continue software development efforts to support submarine payload integration of MK 48 APB 6 MOD 7 and 8, APB 7, and Maritime Strike Tomahawk.</p> <p>Continue support of planning/prototyping and software integration efforts for classified payloads.</p> <p>FY 2025 OCO Plans: N/A</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: FY25 funding request increased to support software development efforts for the integration of new MK48 variants APB 6 MOD 7, APB 6 MOD 8, and APB 7. These new ADCAP variants provide increased torpedo capability which adds complexity to the integration process for BYG-1.</p>	-	-	-	-	-
<p>Title: CyberSecurity</p> <p align="right">Articles:</p>	8.621	8.793	8.969	0.000	8.969
	-	-	-	-	-

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
<p>FY 2024 Plans: Complete development of CyberSecurity Toolkit and IA certification Testing on BYG-1 TI-22. Commence development of CyberSecurity Toolkit and IA Certification Testing on BYG-1 TI-24. Continue RMF accreditations for various systems.</p> <p>FY 2025 Base Plans: Continue development of CyberSecurity Toolkit and IA Certification Testing on BYG-1 TI-24. Complete Raise The Bar (RTB) Compliance deliveries to all BYG-1 baselines. RTB is the effort to comply with the Navy requirement to cyber harden all network Cross Domain Solutions. Commence TI26 feature development and Cyber requirements definition. Continue RMF accreditations for various systems.</p> <p>FY 2025 OCO Plans: N/A</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Increase due to inflation.</p>					
<p>Title: Unmanned Aerial System (UAS)</p> <p align="right">Articles:</p>	2.282 -	2.379 -	0.000 -	0.000 -	0.000 -
<p>FY 2024 Plans: Conclude Middle Tier Acquisition of 3 inch submarine launched UAS. Begin introduction of obsolescence-refreshed SLUAS 3 inch UAS.</p> <p>FY 2025 Base Plans: SLUAS Transfers to RDTEN Program Element (PE) 0101226N beginning in FY25.</p> <p>FY 2025 OCO Plans: N/A</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Submarine Launch Unmanned Aerial System (SLUAS) will transfer to PMS 415 RDTEN Program Element (PE) 0101226N beginning in FY25.</p>					
<p>Title: Common Infrastructure Services (CIS)</p> <p align="right">Articles:</p>	6.063 -	6.184 -	6.308 -	0.000 -	6.308 -
<p>FY 2024 Plans:</p>					

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Continue integration for Common Infrastructure Services to include Onboard Team Trainer - Master Controller & Inter- Subsystem Monitoring Tool efforts as well as other common services within Submarine Warfare Federated Tactical Systems (SWFTS). FY 2025 Base Plans: Continue integration for Common Infrastructure Services to include Onboard Team Trainer - Master Controller & Inter- Subsystem Monitoring Tool efforts as well as other common services within SWFTS. FY 2025 OCO Plans: N/A FY 2024 to FY 2025 Increase/Decrease Statement: Increase due to inflation.					
Accomplishments/Planned Programs Subtotals	57.467	71.516	71.982	0.000	71.982

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/5420: SSN <i>Combat Control Systems</i>	128.874	133.063	157.609	-	157.609	118.727	126.134	141.652	171.361	Continuing	Continuing

Remarks

D. Acquisition Strategy

This budget line integrates software (APBs) developed by the advanced development community.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy												Date: March 2024			
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)							
1319 / 5				PE 0604562N / Submarine Tactical Warfare System				0236 / SSN Comb Cont Sys Imprvmt (ENG)							
Product Development (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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
AN/BYG-1 HARDWARE DEVELOPMENT	C/CPIF	GENERAL DYNAMICS (GDMS) : FAIR LAKES, VA	141.319	6.432	Oct 2022	13.456	Oct 2023	6.507	Oct 2024	-		6.507	Continuing	Continuing	Continuing
AN/BYG-1 HARDWARE DEVELOPMENT	C/CPFF	PROGENY (PCS) : MANASSAS, VA	44.179	6.445	Oct 2022	15.246	Oct 2023	6.701	Oct 2024	-		6.701	Continuing	Continuing	Continuing
AN/BYG-1 SOFTWARE DEVELOPMENT & INTEGRATION	C/CPIF	GENERAL DYNAMICS (GDMS) : FAIRLAKES, VA	126.216	6.492	Oct 2022	6.148	Oct 2023	8.405	Oct 2024	-		8.405	Continuing	Continuing	Continuing
AN/BYG-1 SOFTWARE DEVELOPMENT & INTEGRATION	WR	NUWC: NEWPORT : NEWPORT, RI	82.619	3.556	Oct 2022	3.005	Oct 2023	6.523	Oct 2024	-		6.523	Continuing	Continuing	Continuing
AN/BYG-1 SOFTWARE DEVELOPMENT & INTEGRATION	C/CPFF	LOCKHEED MARTIN (LM-MSS) : MANASSAS, VA	36.831	2.576	Oct 2022	1.482	Oct 2023	4.375	Oct 2024	-		4.375	Continuing	Continuing	Continuing
AN/BYG-1 SOFTWARE DEVELOPMENT & INTEGRATION	C/CPFF	PROGENY (PCS) : MANASSAS, VA	28.635	3.532	Oct 2022	3.186	Oct 2023	6.548	Oct 2024	-		6.548	Continuing	Continuing	Continuing
AN/BYG-1 SOFTWARE DEVELOPMENT & INTEGRATION	Various	VARIOUS : Not Specified	65.776	1.290	Oct 2022	1.255	Oct 2023	3.679	Oct 2024	-		3.679	Continuing	Continuing	Continuing
CYBERSECURITY	C/CPFF	PROGENY : MANASSAS, VA	71.939	8.621	Oct 2022	8.793	Oct 2023	8.969	Oct 2024	-		8.969	Continuing	Continuing	Continuing
PAYLOAD INTEGRATION	C/CPFF	PROGENY (PCS) : MANASSAS, VA	22.856	6.940	Oct 2022	7.079	Oct 2023	10.599	Oct 2024	-		10.599	Continuing	Continuing	Continuing
UAS	WR	NUWC: NEWPORT : NEWPORT, RI	7.282	1.699	Oct 2022	2.379	Oct 2023	0.000	Oct 2024	-		0.000	0.000	11.360	-
UAS	C/CPFF	PROGENY (PCS) : MANASSAS, VA	2.807	0.583	Oct 2022	0.000	Oct 2023	0.000	Oct 2024	-		0.000	0.000	3.390	-
Subtotal			630.459	48.166		62.029		62.306		-		62.306	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy												Date: March 2024			
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)							
1319 / 5				PE 0604562N / Submarine Tactical Warfare System				0236 / SSN Comb Cont Sys Imprvmt (ENG)							
Support (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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
GOVERNMENT ENGINEERING	WR	NUWC: NEWPORT : NEWPORT, RI	103.453	3.568	Oct 2022	4.193	Oct 2023	4.297	Oct 2024	-		4.297	Continuing	Continuing	Continuing
HARPOON PLATFORM INTEGRATION	C/CPFF	PROGENY : MANASSAS, VA	1.522	0.522	Oct 2022	0.000	Oct 2023	0.000	Oct 2024	-		0.000	Continuing	Continuing	Continuing
Subtotal			104.975	4.090		4.193		4.297		-		4.297	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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 & Evaluation (DT&E)	WR	NUWC : NEWPORT, RI	43.036	0.881	Oct 2022	1.276	Oct 2023	1.282	Oct 2024	-		1.282	Continuing	Continuing	Continuing
Developmental Test & Evaluation (DT&E)	C/CPIF	GENERAL DYNAMICS : FAIRLAKES, VA	13.930	0.642	Oct 2022	0.775	Oct 2023	0.786	Oct 2024	-		0.786	Continuing	Continuing	Continuing
Developmental Test & Evaluation (DT&E)	C/CPIF	GENERAL DYNAMICS : PITTSFIELD, MA	8.008	0.630	Oct 2022	0.000	Oct 2023	0.000	Oct 2024	-		0.000	Continuing	Continuing	Continuing
Developmental Test & Evaluation (DT&E)	C/CPAF	PROGENY : MANASSAS, VA	4.794	0.374	Oct 2022	0.407	Oct 2023	0.433	Oct 2024	-		0.433	Continuing	Continuing	Continuing
Operational Test & Evaluation (OT&E)	WR	COMOPTEVFOR : NORFOLK, VA	21.094	0.711	Oct 2022	0.844	Oct 2023	0.867	Oct 2024	-		0.867	Continuing	Continuing	Continuing
Subtotal			90.862	3.238		3.302		3.368		-		3.368	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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
PROGRAM MANAGEMENT SUPPORT	C/CPFF	VARIOUS : Not Specified	35.634	1.973	Oct 2022	1.992	Oct 2023	2.011	Oct 2024	-		2.011	Continuing	Continuing	Continuing
Subtotal			35.634	1.973		1.992		2.011		-		2.011	Continuing	Continuing	N/A

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

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EVENT	FY23				FY24				FY25				FY26				FY27				FY28				FY29							
	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				
ACQUISITION MILESTONES				▲ Annual MDA Program Review			▲ Annual MDA Program Review			▲ Annual MDA Program Review			▲ Annual MDA Program Review			▲ Annual MDA Program Review			▲ Annual MDA Program Review			▲ Annual MDA Program Review			▲ Annual MDA Program Review			▲ Annual MDA Program Review				
				▲ CIS TI 24/26			▲ ISMT-DBTT TI 24/26			▲ TCS TI 24/26																						
				▲ IA TI 24/26			▲ TIH TI 26																									
SOFTWARE I&T AND CERTIFICATION												◆ APB-23								◆ APB-25								◆ APB-27				
HARDWARE DEVELOPMENT, I&T, AND CERTIFICATION	TI-24								TI-26								TI-28								TI-30							
AN/BYG-1 TEST & EVALUATION MILESTONES				▲ APB-21 (DT)					▲ APB-21 (OT)				▲ APB-23 (DT)					▲ APB-23 (OT)				▲ APB-25 (DT)					▲ APB-25 (OT)				▲ APB-27 (DT)	
Completed Milestone Upcoming Milestone Agile Release Model																																

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604562N / <i>Submarine Tactical Warfare System</i>	Project (Number/Name) 0236 / <i>SSN Comb Cont Sys Imprvmnt (ENG)</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Page 1				
Acq Milestones: Annual MDA Program Review - FY23	4	2023	4	2023
Acq Milestones: Annual MDA Program Review - FY24	4	2024	4	2024
Acq Milestones: Annual MDA Program Review - FY25	4	2025	4	2025
Acq Milestones: Annual MDA Program Review - FY26	4	2026	4	2026
Acq Milestones: Annual MDA Program Review - FY27	4	2027	4	2027
Acq Milestones: Annual MDA Program Review - FY28	4	2028	4	2028
Acq Milestones: Annual MDA Program Review - FY29	4	2029	4	2029
Software I&T, Certification: Software I&T, Certification: APB-23	3	2025	4	2025
Software I&T, Certification: Software I&T, Certification: APB-25	3	2027	4	2027
Software I&T, Certification: Software I&T, Certification: APB-27	3	2029	4	2029
Hardware Development, I&T Certification: Hardware Development, I&T Certification: TI-24	1	2023	4	2025
Hardware Development, I&T Certification: Hardware Development, I&T Certification: TI-26	1	2025	4	2027
Hardware Development, I&T Certification: Hardware Development, I&T Certification: TI-28	1	2027	4	2029
Hardware Development, I&T Certification: Hardware Development, I&T Certification: TI-30	1	2029	4	2029
Test & Evaluation Milestones: AN/BYG-1: APB-21 DT	1	2024	3	2025
Test & Evaluation Milestones: AN/BYG-1: APB-21 OT	1	2025	1	2026
Test & Evaluation Milestones: AN/BYG-1: APB-23 DT	3	2025	3	2026
Test & Evaluation Milestones: AN/BYG-1: APB-23 OT	2	2026	2	2027

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Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Test & Evaluation Milestones: AN/BYG-1: APB-25 DT	4	2026	4	2027
Test & Evaluation Milestones: AN/BYG-1: APB-25 OT	4	2027	4	2028
Test & Evaluation Milestones: AN/BYG-1: APB-27 DT	4	2028	4	2029