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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 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0604562N / <i>Submarine Tactical Warfare System</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	778.268	60.806	58.741	71.516	-	71.516	71.895	70.473	69.390	70.793	Continuing	Continuing
0236: <i>SSN Comb Cont Sys Imprvmnt (ENG)</i>	778.268	60.806	58.741	71.516	-	71.516	71.895	70.473	69.390	70.793	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 and Harpoon 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. This program also develops new payload capabilities for the Submarine Launched Unmanned Aerial System (SLUAS).

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.

Provides funding for the development of the CWL; 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.

FY24 continues funding for development of TI-22 and TI-24. 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 Contender and Maritime Strike Tomahawk (MST) continue in FY24. FY24 also continues efforts to support classified payloads.

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B. Program Change Summary (\$ in Millions)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Previous President's Budget	62.115	58.741	69.358	-	69.358
Current President's Budget	60.806	58.741	71.516	-	71.516
Total Adjustments	-1.309	0.000	2.158	-	2.158
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-1.309	0.000			
• Program Adjustments	0.000	0.000	0.493	-	0.493
• Rate/Misc Adjustments	0.000	0.000	1.665	-	1.665

Change Summary Explanation

The FY24 funding request was increased due to the need to accelerate TI-24 Hardware Development. Acceleration is required due to supply chain delays for the delivery of COTS hardware. As reflected in the PDOCS for BLI 5420, supply chain delays have increased from between 6 and 12 months to as much as 18 months. As a result of the delays, TI-24 development must be completed sooner than originally planned in order to procure hardware sooner than originally planned. This approach preserves the installation schedules of each TI-24 platform.

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy										Date: March 2023		
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 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
0236: <i>SSN Comb Cont Sys Imprvmnt (ENG)</i>	778.268	60.806	58.741	71.516	-	71.516	71.895	70.473	69.390	70.793	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. This program also develops new payload capabilities for the Submarine Launched Unmanned Aerial System (SLUAS).

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.

Provides funding for the development of the CWL; 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.

FY24 continues funding for development of TI-22 and TI-24. 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 Contender and Maritime Strike Tomahawk (MST) continue in FY24. FY24 also continues efforts to support classified payloads.

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

	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Title: AN/BYG-1 Software Development	22.275	18.670	15.077	0.000	15.077
Articles:	-	-	-	-	-

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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
<p>FY 2023 Plans: Continue development of TI-22/APB-23.</p> <p>FY 2024 Base Plans: Continue development of TI-22/APB-23 and commence development of TI-24/APB-23.</p> <p>FY 2024 OCO Plans: N/A</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: -3.593M decrease from FY23 to FY24 for AN/BYG-1 Software Development because of deferred AN/BYG-1 re-architecture efforts due to supply chain delays affecting the delivery of COTS hardware.</p>					
<p>Title: AN/BYG-1 TI-22 Hardware Development</p> <p align="right">Articles:</p>	8.632 -	9.521 -	5.121 -	0.000 -	5.121 -
<p>FY 2023 Plans: Complete development, integration, and test of AN/BYG-1 TI-22.</p> <p>FY 2024 Base Plans: N/A</p> <p>FY 2024 OCO Plans: N/A</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Decrease is due to completion of development, integration and test of majority of AN/BYG-1 (TI-22).</p>					
<p>Title: AN/BYG-1 TI-20 Hardware Development</p> <p align="right">Articles:</p>	4.924 -	0.000 -	0.000 -	0.000 -	0.000 -
<p>FY 2023 Plans: N/A</p> <p>FY 2024 Base Plans: N/A</p> <p>FY 2024 OCO Plans:</p>					

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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
N/A					
<p>Title: AN/BYG-1 TI-24 Hardware Development</p> <p align="right">Articles:</p> <p>FY 2023 Plans: Accelerate development, integration and test of AN/BYG-1 TI-24</p> <p>FY 2024 Base Plans: Continue development, integration and test of AN/BYG-1 TI-24.</p> <p>FY 2024 OCO Plans: N/A</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: The FY24 funding request was increased due to the need to accelerate TI-24 Hardware Development. Acceleration is required due to supply chain delays for the delivery of COTS hardware. As reflected in the PDOCS for BLI 5420, supply chain delays have increased from between 6 and 12 months to as much as 18 months. As a result of the delays, TI-24 development must be completed sooner than originally planned in order to procure hardware sooner than originally planned. This approach preserves the installation schedules of each TI-24 platform. In addition, AN/BYG-1 was funded to accelerate the Resilient Cluster Enclave (RCE) development to be included with TI-24 as a risk mitigator for TI-26 Common Computing Environment (CCE) expansion across the Submarine Warfare Federated Tactical System (SWFTS). The RCE is critical to maintaining Ship Safety/Self Protect (SS/SP) functionality within a CCE and improves cyber resilience via a dedicated failsafe. The CCE permits computing resources to be shared among the SWFTS system-of-systems (i.e. cloud computing) and the RCE is a parallel CCE for just SS/SP functions to ensure these mission critical functions are maintained following a primary CCE failure.</p>	0.000	3.356	23.581	0.000	23.581
	-	-	-	-	-
<p>Title: Testing</p> <p align="right">Articles:</p> <p>FY 2023 Plans: Complete APB-19 OT and commence APB-21 DT.</p> <p>FY 2024 Base Plans:</p>	3.168	3.238	3.302	0.000	3.302
	-	-	-	-	-

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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
Complete APB-21 DT and commence APB 21 OT and APB-23 DT. FY 2024 OCO Plans: N/A FY 2023 to FY 2024 Increase/Decrease Statement: Increase due to inflation.					
Title: Payload Integration FY 2023 Plans: Continue software development efforts to support submarine payload integration of MK 48 APB5+/APB6, Contender, and Maritime Strike Tomahawk. Continue integration of Harpoon BLK 1C into Payload Control System. Continue support of planning/prototyping for classified payloads. FY 2024 Base Plans: Continue software development efforts to support submarine payload integration of MK 48 APB5+/APB6, Contender, and Maritime Strike Tomahawk. Continue integration of Harpoon BLK 1C into Payload Control System. Continue support of planning/prototyping for classified payloads. FY 2024 OCO Plans: N/A FY 2023 to FY 2024 Increase/Decrease Statement: Increase due to inflation.	6.467	6.940	7.079	0.000	7.079
Articles:	-	-	-	-	-
Title: CyberSecurity FY 2023 Plans: Continue development of CyberSecurity Toolkit and Information Assurance (IA) certification Testing on BYG-1 TI-22. Continue Risk Management Framework (RMF) accreditations for various systems. FY 2024 Base Plans:	7.169	8.621	8.793	0.000	8.793
Articles:	-	-	-	-	-

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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
Continue 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. FY 2024 OCO Plans: N/A FY 2023 to FY 2024 Increase/Decrease Statement: Increase due to inflation.					
Title: Unmanned Aerial System (UAS) Articles:	2.239	2.332	2.379	0.000	2.379
FY 2023 Plans: Continue Unmanned Aerial System development and integration efforts for 3 inch Submarine launched UAS. FY 2024 Base Plans: Conclude Middle Tier Acquisition of 3 inch submarine launched UAS. Begin introduction of obsolescence-refreshed SLUAS 3 inch UAS. FY 2024 OCO Plans: N/A FY 2023 to FY 2024 Increase/Decrease Statement: Increase due to inflation.	-	-	-	-	-
Title: Common Infrastructure Services (CIS) Articles:	5.932	6.063	6.184	0.000	6.184
FY 2023 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 Submarine Warfare Federated Tactical Systems (SWFTS). FY 2024 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 2024 OCO Plans:	-	-	-	-	-

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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
N/A					
<i>FY 2023 to FY 2024 Increase/Decrease Statement:</i> Increase due to inflation.					
Accomplishments/Planned Programs Subtotals	60.806	58.741	71.516	0.000	71.516

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

<u>Line Item</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024 Base</u>	<u>FY 2024 OCO</u>	<u>FY 2024 Total</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• OPN/5420: SSN <i>Combat Control Systems</i>	128.117	128.874	133.063	-	133.063	146.469	142.675	145.318	148.775	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 2024 Navy **Date:** March 2023

Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604562N / Submarine Tactical Warfare System	Project (Number/Name) 0236 / SSN Comb Cont Sys Imprvmt (ENG)
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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
AN/BYG-1 TECH INSERTION	C/CPIF	GENERAL DYNAMICS (GDMS) : FAIR LAKES, VA	132.487	8.832	Oct 2021	6.945	Oct 2022	10.597	Oct 2023	-		10.597	Continuing	Continuing	Continuing
AN/BYG-1 TECH INSERTION	C/CPFF	PROGENY (PCS) : MANASSAS, VA	35.340	8.839	Oct 2021	6.958	Oct 2022	10.597	Oct 2023	-		10.597	Continuing	Continuing	Continuing
GOVERNMENT ENGINEERING	WR	NUWC : NEWPORT, RI	98.964	4.489	Oct 2021	4.769	Oct 2022	7.379	Oct 2023	-		7.379	Continuing	Continuing	Continuing
CYBERSECURITY	C/CPFF	PROGENY : MANASSAS, VA	64.733	7.206	Oct 2021	7.897	Oct 2022	11.709	Oct 2023	-		11.709	Continuing	Continuing	Continuing
UNMANNED AERIAL SYSTEM	WR	NUWC : NEWPORT, RI	5.615	1.667	Oct 2021	1.802	Oct 2022	2.612	Oct 2023	-		2.612	Continuing	Continuing	Continuing
UNMANNED AERIAL SYSEM	C/CPFF	PROGENY (PCS) : MANASSAS, VA	2.333	0.474	Oct 2021	0.583	Oct 2022	0.000		-		0.000	Continuing	Continuing	Continuing
Subtotal			339.472	31.507		28.954		42.894		-		42.894	Continuing	Continuing	N/A

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
SOFTWARE INTEGRATION	C/CPIF	GENERAL DYNAMICS (GDMS) : FAIRLAKES, VA	118.687	7.529	Oct 2021	7.680	Oct 2022	7.299	Oct 2023	-		7.299	Continuing	Continuing	Continuing
SOFTWARE INTEGRATION	WR	NUWC : NEWPORT, RI	77.969	4.650	Oct 2021	4.743	Oct 2022	5.005	Oct 2023	-		5.005	Continuing	Continuing	Continuing
SOFTWARE INTEGRATION	C/CPFF	LOCKHEED MARTIN (LM-MSS) : MANASSAS, VA	33.136	3.695	Oct 2021	3.768	Oct 2022	3.582	Oct 2023	-		3.582	Continuing	Continuing	Continuing
SOFTWARE INTEGRATION	C/CPFF	PROGENY (PCS) : MANASSAS, VA	24.008	4.627	Oct 2021	4.720	Oct 2022	4.486	Oct 2023	-		4.486	Continuing	Continuing	Continuing

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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 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
SOFTWARE DEVELOPMENT	Various	VARIOUS : Not Specified	63.347	2.429	Oct 2021	2.478	Oct 2022	2.355	Oct 2023	-		2.355	Continuing	Continuing	Continuing
HARPOON PLATFORM INTEGRATION	C/CPFF	PROGENY : MANASSAS, VA	1.010	0.512	Oct 2021	0.522	Oct 2022	0.000		-		0.000	0.000	2.044	-
Subtotal			318.157	23.442		23.911		22.727		-		22.727	Continuing	Continuing	N/A
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
Developmental Test & Evaluation (DT&E)	WR	NUWC : NEWPORT, RI	42.022	1.014	Oct 2021	1.014	Oct 2022	1.777	Oct 2023	-		1.777	Continuing	Continuing	Continuing
Developmental Test & Evaluation (DT&E)	C/CPIF	GENERAL DYNAMICS : FAIRLAKES, VA	13.155	0.775	Oct 2021	0.775	Oct 2022	0.775	Oct 2023	-		0.775	Continuing	Continuing	Continuing
Developmental Test & Evaluation (DT&E)	C/CPIF	GENERAL DYNAMICS : PITTSFIELD, MA	7.245	0.763	Oct 2021	0.763	Oct 2022	0.000		-		0.000	Continuing	Continuing	Continuing
Developmental Test & Evaluation (DT&E)	C/CPAF	PROGENY : MANASSAS, VA	4.287	0.507	Oct 2021	0.507	Oct 2022	0.507	Oct 2023	-		0.507	Continuing	Continuing	Continuing
Operational Test & Evaluation (OT&E)	WR	COMOPTEVFOR : NORFOLK, VA	20.250	0.844	Oct 2021	0.844	Oct 2022	0.844	Oct 2023	-		0.844	Continuing	Continuing	Continuing
Subtotal			86.959	3.903		3.903		3.903		-		3.903	Continuing	Continuing	N/A
Management Services (\$ 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
PROGRAM MANAGEMENT SUPPORT	C/CPFF	VARIOUS : Not Specified	33.680	1.954	Oct 2021	1.973	Oct 2022	1.992	Oct 2023	-		1.992	Continuing	Continuing	Continuing
Subtotal			33.680	1.954		1.973		1.992		-		1.992	Continuing	Continuing	N/A

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	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	778.268	60.806	58.741	71.516	-	71.516	Continuing	Continuing	N/A		

Remarks

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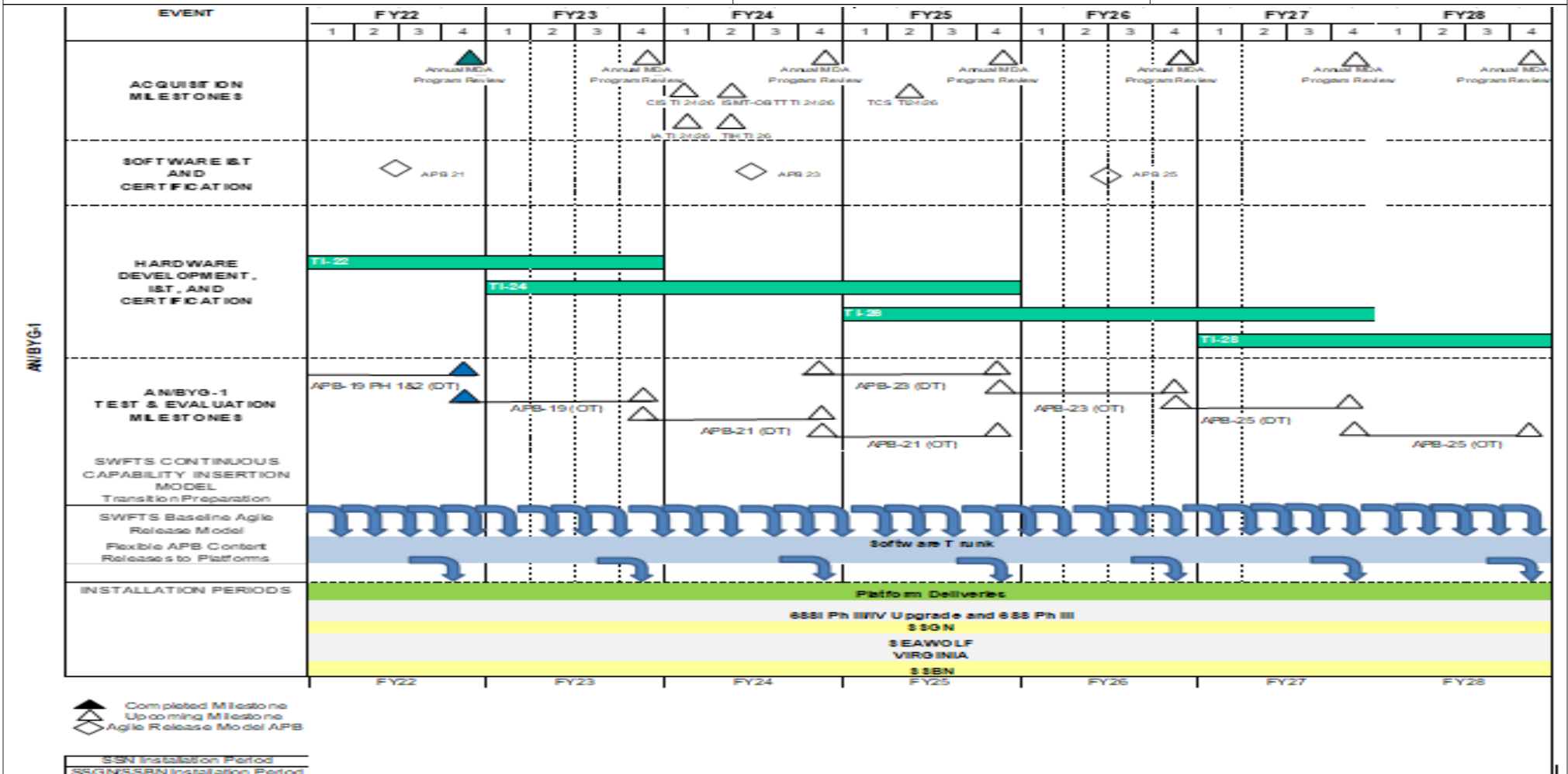
Exhibit R-4, RDT&E Schedule Profile: PB 2024 Navy

Date: March 2023

Appropriation/Budget Activity
1319 / 5

R-1 Program Element (Number/Name)
PE 0604562N / Submarine Tactical Warfare System

Project (Number/Name)
0236 / SSN Comb Cont Sys Imprvmt (ENG)



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

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Page 1				
Acq Milestones: Annual MDA Program Review - FY22	4	2022	4	2022
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
Software I&T, Certification: Software I&T, Certification: APB-21	2	2022	3	2022
Software I&T, Certification: Software I&T, Certification: APB-23	2	2024	3	2024
Software I&T, Certification: Software I&T, Certification: APB-25	2	2026	3	2026
Hardware Development, I&T Certification: Hardware Development, I&T Certification: TI-22	1	2022	4	2023
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	2028
Test & Evaluation Milestones: AN/BYG-1: APB-19 DT	3	2022	2	2023
Test & Evaluation Milestones: AN/BYG-1: APB-19 OT	4	2022	4	2023
Test & Evaluation Milestones: AN/BYG-1: APB-21 DT	4	2023	4	2024
Test & Evaluation Milestones: AN/BYG-1: APB-21 OT	4	2024	4	2025

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

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 Imprmnt (ENG)</i>
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Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Test & Evaluation Milestones: AN/BYG-1: APB-23 DT	4	2024	3	2025
Test & Evaluation Milestones: AN/BYG-1: APB-23 OT	4	2025	2	2026
Test & Evaluation Milestones: AN/BYG-1: APB-25 DT	4	2026	2	2027
Test & Evaluation Milestones: AN/BYG-1: APB-25 OT	3	2027	4	2027