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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 0204202N / DDG-1000
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COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
Total Program Element	2,133.992	175.928	231.778	243.042	-	243.042	64.703	20.941	9.095	9.033	Continuing	Continuing
2464: <i>DD(X) Sys Design, Dev & Integration</i>	2,133.992	175.928	231.778	243.042	-	243.042	64.703	20.941	9.095	9.033	Continuing	Continuing

Program MDAP/MAIS Code:
Project MDAP/MAIS Code(s): 197

A. Mission Description and Budget Item Justification

This Program Element (PE) provides funds for the integration of Conventional Prompt Strike (CPS) into the Zumwalt class surface combatants. CPS integration is a top Chief of Naval Operations (CNO) priority that enhances the Zumwalt class's mission to provide credible independent forward presence/deterrence and operate as an integral part of Naval, Joint or Combined Maritime Forces. DDG 1000 will establish and maintain surface superiority, provide local air defense, and incorporate signature reduction to operate in all threat environments. DDG 1000 will have seamless Joint Interoperability to integrate all source information for battlespace awareness and weapons direction.

Funding provided is for development activities necessary to integrate CPS into all three Zumwalt Class destroyers to perform the required systems engineering, analysis, modeling and simulation necessary to install the CPS capability on DDG 1000 during her first Build Yard Mod Period (BYMP). The funding provides a flexible, surface combatant launched long-range strike capability through the ships' remaining service life. When combined with the low observable characteristics of the Zumwalt platform, the ships provide a compelling strike capability from a platform designed to complicate an adversaries' targeting problem. Funding enables ship modifications for installation of a CPS cold launch system common to the future Virginia Payload Module.

B. Program Change Summary (\$ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	180.374	231.778	121.582	-	121.582
Current President's Budget	175.928	231.778	243.042	-	243.042
Total Adjustments	-4.446	0.000	121.460	-	121.460
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-4.446	0.000			
• Program Adjustments	0.000	0.000	120.079	-	120.079
• Rate/Misc Adjustments	0.000	0.000	1.381	-	1.381

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Change Summary Explanation

The FY25 increase of \$121.460M is due to the additional funding needed for Conventional Prompt Strike (CPS) integration, including Alteration Installation Team (AIT) on Zumwalt, Weapon Control System (WCS) for Lyndon B Johnson, Certification Support, crew training, integration deficiency resolution and Grade B shock qualification testing in preparation for and execution of JFC-6 in Q4FY25, as well as funding to complete remaining ZUMWALT Class Test and Evaluation Master Plan (TEMP) requirements and Follow-on Operational Test and Evaluation (FOT&E).

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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 0204202N / DDG-1000				Project (Number/Name) 2464 / DD(X) Sys Design, Dev & Integration			
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
2464: DD(X) Sys Design, Dev & Integration	2,133.992	175.928	231.778	243.042	-	243.042	64.703	20.941	9.095	9.033	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		
Project MDAP/MAIS Code: 197												

A. Mission Description and Budget Item Justification

The Zumwalt class destroyer (DDG 1000) program is developing the naval surface hypersonic strike capability, able to conduct independent forward deployed operations and prosecute deep-inland, time-critical, soft and medium-hardened targets in a contested environment. With the addition of surface hypersonic strike to legacy capabilities, Zumwalt will provide means to conduct Joint Surface Strike, deliver local area defense against air, surface and undersea threats, and incorporate signature reduction to operate in all threat environments. The Zumwalt class will have seamless Joint Interoperability to integrate all source information for battlespace awareness and weapons direction. The surface hypersonic strike capability, combined with the low observable characteristics of the Zumwalt platform, creates a uniquely lethal and survivable naval surface platform. The Zumwalt class supports the National Defense Strategy by supporting modernization initiatives for fielding hypersonic technologies and enabling a more lethal force. Overall, the Zumwalt class will enhance U.S. conventional power projection by providing an independent forward deployed strike platform, with longer range, shorter time of flight, and higher survivability against enemy defenses compared to current capabilities.

The Acquisition Decision Memorandum signed by The Assistant Secretary of the Navy (Research, Development and Acquisition) (ASN(RDA)) directed PEO Ships to integrate Conventional Prompt Strike (CPS) into USS Zumwalt (DDG 1000) and USS Michael Monsoor (DDG 1001) by conducting a Building Yard Modernization Period (BYMP) and into USS Lyndon B. Johnson (DDG 1002) during new construction, prior to the ship's arrival in homeport, in order to maximize its fleet availability time. Full operational capability is achieved when the Zumwalt CPS Weapon System modernizations are completed, and all the three ships are turned over to the Fleet.

The Zumwalt program strategy is to leverage the development efforts for a CPS capability on Virginia submarines, using a minimal integration solution to rapidly provide a surface hypersonic strike capability to the Fleet. Funding provided is for development activities necessary to integrate CPS onto all three Zumwalt class destroyers and to perform the required systems engineering, analysis, modeling, and simulation, to modify the CPS Virginia design as necessary to install, field, and sustain CPS capability on Zumwalt class through the ships' remaining service life. Key activities to support CPS integration are:

1. Product and Software Development: Efforts required to modernize Zumwalt class destroyers to support the CPS Weapon System and delivery of a surface hypersonic strike capability to the Fleet.
2. Test and Evaluation: Platform level testing requirements resulting from the integration of CPS.
3. Management Services: Modifications to Zumwalt manpower, logistics, and sustainment requirements resulting from the integration of CPS.

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

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: Product / Software Development	161.819	195.590	204.653	0.000	204.653
Articles:	-	-	-	-	-

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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>Description: This funding applies to the design, systems engineering, prototype construction, and certification for the ZUMWALT Conventional Prompt Strike (CPS) Weapon System as needed to support the ZUMWALT CPS modernization schedule, flight testing, and delivery to the Fleet. This effort includes:</p> <ul style="list-style-type: none"> - Large Missile Vertical Launch System (LMVLS): Modifications to ZUMWALT Class ship systems enabling Hull, Mechanical and Electrical (HM&E) integration of the CPS Weapon System and other weapon systems designed for the Block V VIRGINIA Class submarine VIRGINIA PAYLOAD MODULE (VPM). - Integrated Combat System (ICS): Modifications to the ZUMWALT Combat System required to support integration of the CPS Weapon System and other system elements. - CPS Weapon System: Integration and certification on ZUMWALT Class. Development of CPS Weapon System elements common to both ZUMWALT and VIRGINIA CPS Weapon Systems are separately funded by the Strategic Systems Programs. <p>FY 2024 Plans: Specific planned design and prototyping efforts include:</p> <ul style="list-style-type: none"> - Conduct systems engineering, model and simulation, and analysis efforts of the ZUMWALT CPS Weapon Control System (WCS) and Launcher System design performance using data from CPS Joint Flight Campaign 4, a prototype Navy cold launched All-Up-Round hypersonic strike flight test. - Continue development of CPS weapon system ship installation drawings, including delivery of drawings for DDG 1002. - Complete development and deliver qualified ZUMWALT CPS WCS Hardware Kit for installation and integration on DDG 1000. - Continue development and deliver the ZUMWALT CPS launcher system, including conduct of developmental Advanced Payload Module (APM) fit-checks. - Support the execution of the system-level Electromagnetic Environment Effects (E3) testing and system-level test line activities. - Develop, assemble, and begin contractor tests of the Low, Medium, and High Fidelity Simulators. - Release the CPS Installation Authorization Package for the Installation Readiness Review on DDG 1000, deliver Certification Data Report, and support Weapon System Explosives Safety Review Board (WSESRB) for installation authorization of CPS elements (certification event) during the DDG 1000 Build Yard Modernization Period (BYMP). - Commence ZUMWALT CPS BYMP integration and testing. - Continue Total Ship Computing Environment (TSCE) hardware and software modifications in support of CPS integration. 					

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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>- Complete gap analysis and analysis of alternatives for Z-CPS land based development integration lab for integration of CPS WS, TSCE, and WCS; conduct planning of platform integration and testing of CPS WS.</p> <p>- Complete and deliver TSCE hardware modifications kit to support CPS integration on DDG 1000.</p> <p>- Deliver TSCE R9.6 software in support of CPS integration and installation on DDG 1000.</p> <p>- Complete two ZUMWALT TSCE virtual twin for use by the Conventional Prompt Strike Program to support CPS Weapon System end-to-end land based developmental integration testing.</p> <p>FY 2025 Base Plans: Specific planned design and prototyping efforts include:</p> <ul style="list-style-type: none"> - Execute Find-Fix-Repair efforts to CPS Weapons Control System based on findings and analysis from integration and test. - Conduct development of CPS Weapon System hardware kits. - Continue TSCE hardware and software modifications in support of CPS integration with legacy TSCE and TSCE Modernization configurations. - Execute platform integration and testing of CPS WS. - Continue to build and deliver TSCE hardware modifications kit to support CPS integration. - Operate two ZUMWALT TSCE virtual twin for use by the Conventional Prompt Strike Program to support CPS Weapon System end-to-end, land-based, developmental integration testing. - Continue support of CPS WCS Stage IV, V, and VI testing (end-to-end) onboard DDG 1000. - Provide TSCE support for Shakedown and JFC-6 events to include data analysis and test reporting. - Support non-recurring engineering for Combat System development and early integration and evaluation of IWS enterprise Integrated Combat System (ICS) into the TSCE virtualized environment. <p>FY 2025 OCO Plans: N/A</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Product/Software Development increase of \$9.063M from FY24 to FY25 due to phasing of Zumwalt CPS Weapon System development and integration efforts.</p>					
<p>Title: Test and Evaluation</p> <p align="right">Articles:</p> <p>Description: This funding covers the ZUMWALT CPS Surface Unique platform level testing requirements. This testing is being performed concurrently with Strategic Systems Program (SSP)-led tests for the common elements of the ZUMWALT and VIRGINIA Conventional Prompt Strike Weapon Systems. This funding also</p>	12.259	33.888	36.169	0.000	36.169
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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>covers execution of the DDG 1000 Test and Evaluation Master Plan (TEMP) 1560 and demonstration of offensive surface strike capability.</p> <p>FY 2024 Plans: Specific CPS T&E efforts include:</p> <ul style="list-style-type: none"> - Continue to develop plans and start execution of ZUMWALT unique CPS weapons system testing. - Complete CPS ZUMWALT Employment Guide to inform Concept of Operations (CONOPS). - Continue developing plans and establish a land-based Zumwalt test facility for integration testing of CPS Weapon System with ZUMWALT Combat System and ZUMWALT ship control system. - Continue developing plans to support the execution of first CPS flight test off DDG 1000 class, Joint Flight Campaign (JFC-6). Finalize ZUMWALT specific test objectives and data collection plans in support of JFC-6. - Continue conducting System of Systems Technical Interchanges (SoS TIMS) to de-risk onboard DDG 1000 CPS testing and JFC-6. - Continue to provide updates to the CPS TEMP 1905 to show platform readiness for JFC-6. <p>Specific DDG 1000 TEMP efforts include:</p> <ul style="list-style-type: none"> - Execution of DDG 1000 TEMP events, to include Anti Air Warfare and Tomahawk Live Fire tests in support of Initial Operational Capability (IOC) for the DDG 1000 class. - Conduct subsequent data analysis and reporting of completed test events. - Finish Modeling and Simulation (M&S) assessment of the Probability of Rapid Annihilation (PRA) All Source Contract Management (ASCM) and PRA Aircraft Key Performance Parameters (KPPs). <p>FY 2025 Base Plans: Specific CPS T&E efforts include:</p> <ul style="list-style-type: none"> - Develop the final ZUMWALT-specific shipboard test requirements in coordination with the SSP-lead planning of the live-fire test event of the CPS Weapon System on DDG 1000. - Provide ZUMWALT support for shakedown events prior to integration and testing of the CPS Weapon System on DDG 1000. - Support execution of the first CPS flight test (SSP-led live-fire test event) from a ZUMWALT Class Destroyer during JFC-6 with platform and combat system specific subject matter experts, test equipment, and analysis. - Collect data and perform analysis upon JFC-6 completion to support ZUMWALT-specific test objectives. - Start development and refinement of ZUMWALT-specific test objectives/plans and data collection to support future ZUMWALT Class Destroyer testing. 					

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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>- Develop plans to conduct ZUMWALT-unique CPS Weapons System testing and procure associated test equipment and updated weapon system simulators based on changes to the weapon system.</p> <p>Specific DDG 1000 TEMP efforts include:</p> <ul style="list-style-type: none"> - Develop plans for execution of Follow-on Test and Evaluation (FOT&E) test events. - Execution of DDG 1000 TEMP events, to include Anti Air Warfare and Tomahawk Live Fire tests in support of Operational Test & Evaluation and demonstration of offensive surface strike capability for the DDG 1000 class. <p>FY 2025 OCO Plans: N/A</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Test and Evaluation increase of \$2.281 from FY24 to FY25 due to execution of JFC-6 for Conventional Prompt Strike on DDG 1000 in FY25.</p>					
<p>Title: Management Services</p> <p align="right">Articles:</p> <p>Description: This funding covers the ZUMWALT Conventional Prompt Strike (CPS), surface-unique, platform-centric design, logistics, and sustainment requirements. This effort also focuses on requirements from the CPS Weapon System impacting manpower requirements for ZUMWALT Class Destroyers. Data to support this analysis is being developed under surface-unique, weapon system design and prototyping processes, and related to efforts funded by Strategic Systems Programs to establish common weapon system elements for ZUMWALT Class Destroyers and VIRGINIA Class Submarines.</p> <p>FY 2024 Plans: Continue identifying logistics support requirements associated with Conventional Prompt Strike (CPS) on ZUMWALT Class Destroyers.</p> <p>FY 2025 Base Plans: Finalize and complete logistics support requirements associated with Conventional Prompt Strike (CPS) on ZUMWALT Class Destroyers.</p> <p>FY 2025 OCO Plans: N/A</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement:</p>	1.850	2.300	2.220	0.000	2.220
	-	-	-	-	-

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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
FY24 to FY25 decrease due to completion of logistics support requirements associated with CPS on ZUMWALT Class Destroyers.					
Accomplishments/Planned Programs Subtotals	175.928	231.778	243.042	0.000	243.042

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
• OMN / 3B1K: <i>Specialized Skill Training</i>	1,133.852	1,238.894	1,236.735	-	1,236.735	1,255.618	1,245.164	1,273.957	1,299.901	0.000	8,684.121
• OPN / 0947: DDG 1000 <i>Class Support Equipment</i>	314.333	232.124	407.468	-	407.468	107.811	9.975	11.490	11.719	0.000	1,303.974
• OMN/15BUO: Life <i>Cycle Engineering (IWS))</i>	107.840	99.904	105.686	-	105.686	123.990	122.946	123.924	126.402	0.000	1,143.963
• OMN/15BR1: DDG 1000 Life <i>Cycle Engineering and Sustainment</i>	66.141	88.990	99.336	-	99.336	81.381	81.875	82.925	84.584	0.000	735.898
• SCN/2119: DDG 1000	72.976	410.400	61.100	-	61.100	8.900	0.000	0.000	0.000	0.000	13,830.934

Remarks

D. Acquisition Strategy

The DDG 1000 program strategy is to install CPS onto ZUMWALT Class in a Build Yard Modernization Period (BYMP) at Huntington Ingalls Industries (HII) in Pascagoula, MS. DDG 1000 will be the first ship modernized and arrived at HII in August 2023. Following DDG 1000, first DDG 1002 and then DDG 1001 will be modernized sequentially. DDG 1002 arrived at HII in January 2022 to begin its Combat System Activation (CSA) and will commence CPS installation in-line during CSA production prior to ship delivery. DDG 1001 is ordered last to maximize her operations by the fleet prior to commencing modernization.

The modernization development strategy is to leverage the development efforts for a CPS capability on Virginia Submarines, using a minimal integration solution to rapidly provide a surface hypersonic strike capability to the Fleet. PEO Integrated Warfare System will be leveraged to modify the Zumwalt Combat System to support CPS integration.

Bath Iron Works has been awarded a contract as the planning yard to develop plans to remove Zumwalt forward gun mounts. Naval Surface Warfare Center (NSWC) Philadelphia is funding to develop the Large Missile Vertical Launch System (LMVLS), which include modifications to Zumwalt ship systems enabling support for weapon systems designed for the Blk V Virginia Class submarine Virginia Payload Module (VPM), allowing the installation of CPS Advanced Payload Module (APM) and All-Up-Rounds (AUR).

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

Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0204202N / DDG-1000	Project (Number/Name) 2464 / DD(X) Sys Design, Dev & Integration
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Product Development (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Ship Integration Development Software	SS/CPAF	Raytheon : Tewksbury MA	1,004.378	0.000		0.000		0.000		-		0.000	0.000	1,004.378	-
Ship Integration Development (Prod Dev), TTWCS /ASIST	SS/CPFF	Various : Various	108.324	0.000		0.000		0.000		-		0.000	0.000	108.324	-
Surface Strike	Various	Various : Various	89.277	0.000		0.000		0.000		-		0.000	0.000	89.277	-
Maritime Targeting Cell - Afloat	Various	Various : Various	114.810	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Alternative Weapon System Analysis	Various	Various : Various	1.312	0.000		0.000		0.000		-		0.000	0.000	1.312	-
Cybersecurity	SS/CPAF	Raytheon : Tewksbury MA	9.700	0.000		0.000		0.000		-		0.000	0.000	9.700	-
Product Development for Technical Issues	Various	Various : Various	21.626	0.000		0.000		0.000		-		0.000	0.000	21.626	-
Conventional Prompt Strike Design and Integration	C/CPAF	BIW : BATH, ME	36.200	6.629	Dec 2022	8.940	Dec 2023	5.036	Dec 2024	-		5.036	48.300	105.105	-
Conventional Prompt Strike Support	C/CPIF	Lockheed Martin : Denver, CO	30.513	133.729	Nov 2022	161.179	Nov 2023	179.361	Nov 2024	-		179.361	66.300	571.082	-
Conventional Prompt Strike Support	SS/CPAF	Raytheon : Tewksbury MA	0.000	9.550	Dec 2022	10.104	Dec 2023	8.990	Dec 2024	-		8.990	0.000	28.644	-
Conventional Prompt Strike Support	SS/CPFF	PSS : Various	0.000	5.650	Dec 2022	6.467	Dec 2023	3.760	Dec 2024	-		3.760	0.000	15.877	-
Conventional Prompt Strike Design and Integration	WR	NSWC : Dahlgren, VA	4.146	1.796	Nov 2022	2.880	Nov 2023	2.500	Nov 2024	-		2.500	9.408	20.730	-
Conventional Prompt Strike Design and Integration	WR	NSWC : Philadelphia, PA	3.751	0.850	Nov 2022	2.200	Nov 2023	0.850	Nov 2024	-		0.850	8.512	16.163	-
Conventional Prompt Strike Design and Integration	WR	NSWC : Indian Head, MD	0.000	0.959	Nov 2022	0.959	Nov 2023	1.500	Nov 2024	-		1.500	0.000	3.418	-

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Product Development (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Conventional Prompt Strike Design and Integration	WR	NSWC : Bethesda, MD	0.000	1.497	Nov 2022	1.702	Nov 2023	1.497	Nov 2024	-		1.497	0.000	4.696	-
Conventional Prompt Strike Design and Integration	Various	Various : Various	1.974	1.159	Nov 2022	1.159	Nov 2023	1.159	Nov 2024	-		1.159	4.480	9.931	-
Subtotal			1,426.011	161.819		195.590		204.653		-		204.653	Continuing	Continuing	N/A

Remarks
CPS Support: Lockheed Martin will work with the ZUMWALT-Class Combat System Integrator, ZUMWALT Shipbuilder, NAVSEA organizations, and other stakeholders to ensure the CPS Weapon System (WS) is compatible with ZUMWALT-Class DDGs and it meets threshold requirements defined in the derived requirements from the CPS Technical Objectives and Guidelines (TOG).

Test and Evaluation (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	C/CPIF	CSC : Washington, DC	4.000	0.000		0.000		0.000		-		0.000	0.200	4.200	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	WR	NSWC : Philadelphia, PA	0.850	0.000		0.000		0.000		-		0.000	0.125	0.975	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	WR	SCSC : Wallops, Is, VA	5.903	0.000		0.000		0.000		-		0.000	0.000	5.903	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	TBD	NAVAIR : Not Specified	0.300	0.000		0.000		0.000		-		0.000	0.650	0.950	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	C/CPIF	BAE : Minneapolis, MN	54.064	0.000		0.000		0.000		-		0.000	0.000	54.064	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	WR	NSWC : Panama City, FL	7.485	0.000		0.000		0.000		-		0.000	9.200	16.685	-

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Test and Evaluation (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	Various	NAVSEA : Washington, DC	6.455	0.000		0.000		0.000		-		0.000	0.000	6.455	-
Developmental Test & Evaluation (DT&E)	C/CPIF	NAVAIR : Not Specified	8.307	0.000		0.000		0.000		-		0.000	3.600	11.907	-
Developmental Test & Evaluation (DT&E)	C/CPIF	Raytheon : Tucson, AZ	39.538	0.000		0.500	Feb 2024	0.617	Jul 2025	-		0.617	0.000	40.655	-
Developmental Test & Evaluation (DT&E)	WR	NUWC : Various	24.801	0.000		0.100	Nov 2023	0.000		-		0.000	1.657	26.558	-
Developmental Test & Evaluation (DT&E)	WR	NSWC : Dahlgren, VA	10.439	0.000		0.688	Nov 2023	0.750	Nov 2024	-		0.750	0.200	12.077	-
Developmental Test & Evaluation (DT&E)	WR	NSWC : Bethesda, MD	22.566	0.000		0.000		0.000		-		0.000	1.825	24.391	-
Developmental Test & Evaluation (DT&E)	SS/CPFF	APL/JHU : Baltimore, MD	0.000	0.000		2.124	Nov 2023	0.750	Nov 2024	-		0.750	0.000	2.874	-
Developmental Test & Evaluation (DT&E)	WR	NAWC : Pt Mugu, CA	0.000	0.000		6.670	Nov 2023	2.000	Nov 2024	-		2.000	0.000	8.670	-
Prior Year Operational Test & Evaluation Not Funded FYDP (PYOT&E)	WR	Various : Various	0.747	0.000		0.000		0.000		-		0.000	0.000	0.747	-
Prior Year Operational Test & Evaluation Not Funded FYDP (PYOT&E)	Various	PEO IWS : Washington, DC	81.704	0.000		0.000		0.000		-		0.000	9.298	91.002	-
Operational Test & Evaluation (OT&E)	SS/CPFF	Raytheon : Portsmouth, RI	154.957	0.000		4.978	Dec 2023	1.900	Dec 2024	-		1.900	4.800	166.635	-
Operational Test & Evaluation (OT&E)	Various	Various : Various	144.899	0.000		4.825	Nov 2023	2.496	Nov 2024	-		2.496	5.411	157.631	-
Operational Test & Evaluation (OT&E)	C/CPIF	NSMA : Arlington, VA	23.008	0.000		0.865	Feb 2024	0.891	Feb 2025	-		0.891	2.400	27.164	-
Operational Test & Evaluation (OT&E)	C/CPIF	NRL : Washington, DC	3.795	0.000		0.700	Nov 2023	0.800	Nov 2024	-		0.800	1.800	7.095	-
Operational Test & Evaluation (OT&E)	WR	COTF : Norfolk, VA.	18.961	0.000		0.350	Dec 2023	0.350	Dec 2024	-		0.350	2.634	22.295	-

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

Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0204202N / DDG-1000	Project (Number/Name) 2464 / DD(X) Sys Design, Dev & Integration
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Test and Evaluation (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Prior Year Live Fire Test & Evaluation Not Funded FYDP (PYLFT&E)	C/CPIF	ROI : Mullica Hills, NJ	44.602	0.000		0.000		0.000		-		0.000	0.000	44.602	-
Prior Year Live Fire Test & Evaluation Not Funded FYDP (PYLFT&E)	WR	Various : Various	44.000	0.000		0.000		0.000		-		0.000	21.000	65.000	-
Developmental Test & Evaluation (DT&E)	C/CPIF	Lockheed Martin (CPS) : Denver, CO	0.000	10.000	Nov 2022	10.688	Nov 2023	13.600	Nov 2024	-		13.600	31.100	65.388	-
Developmental Test & Evaluation (DT&E)	WR	Various (CPS) : Various	0.000	0.216	Nov 2022	0.350	Nov 2023	4.750	Nov 2024	-		4.750	0.000	5.316	-
Developmental Test & Evaluation (DT&E)	WR	NSWC (CPS) : Dahlgren, VA	0.000	0.328	Nov 2022	1.050	Nov 2023	2.450	Nov 2024	-		2.450	0.000	3.828	-
Developmental Test & Evaluation (DT&E)	SS/CPFF	APL/JHU (CPS) : Baltimore, MD	0.000	1.715	Jan 2023	0.000		1.715	Nov 2024	-		1.715	0.000	3.430	-
Developmental Test & Evaluation (DT&E)	WR	NSWC (CPS) : Corona, CA	0.000	0.000		0.000		0.900	Nov 2024	-		0.900	0.000	0.900	-
Developmental Test & Evaluation (DT&E)	WR	NUWC (CPS) : Newport, RI	0.000	0.000		0.000		1.200	Nov 2024	-		1.200	0.000	1.200	-
Developmental Test & Evaluation (DT&E)	SS/CPAF	Raytheon (CPS) : Tewksbury, MA	0.000	0.000		0.000		1.000	Dec 2024	-		1.000	0.000	1.000	-
Subtotal			701.381	12.259		33.888		36.169		-		36.169	95.900	879.597	N/A

Remarks

This funding covers the ZUMWALT CPS Surface Unique platform level testing requirements. This testing is being performed concurrently with Conventional Prompt Strike led tests for the common elements of the ZUMWALT and VIRGINIA Conventional Prompt Strike Weapon Systems. This funding also covers execution of the DDG 1000 Test and Evaluation Master Plan (TEMP).

Management Services (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Conventional Prompt Strike Training and Curriculum Development	Various	Various : Various	6.600	1.850	Nov 2022	2.300	Nov 2023	2.220	Nov 2024	-		2.220	0.000	12.970	-

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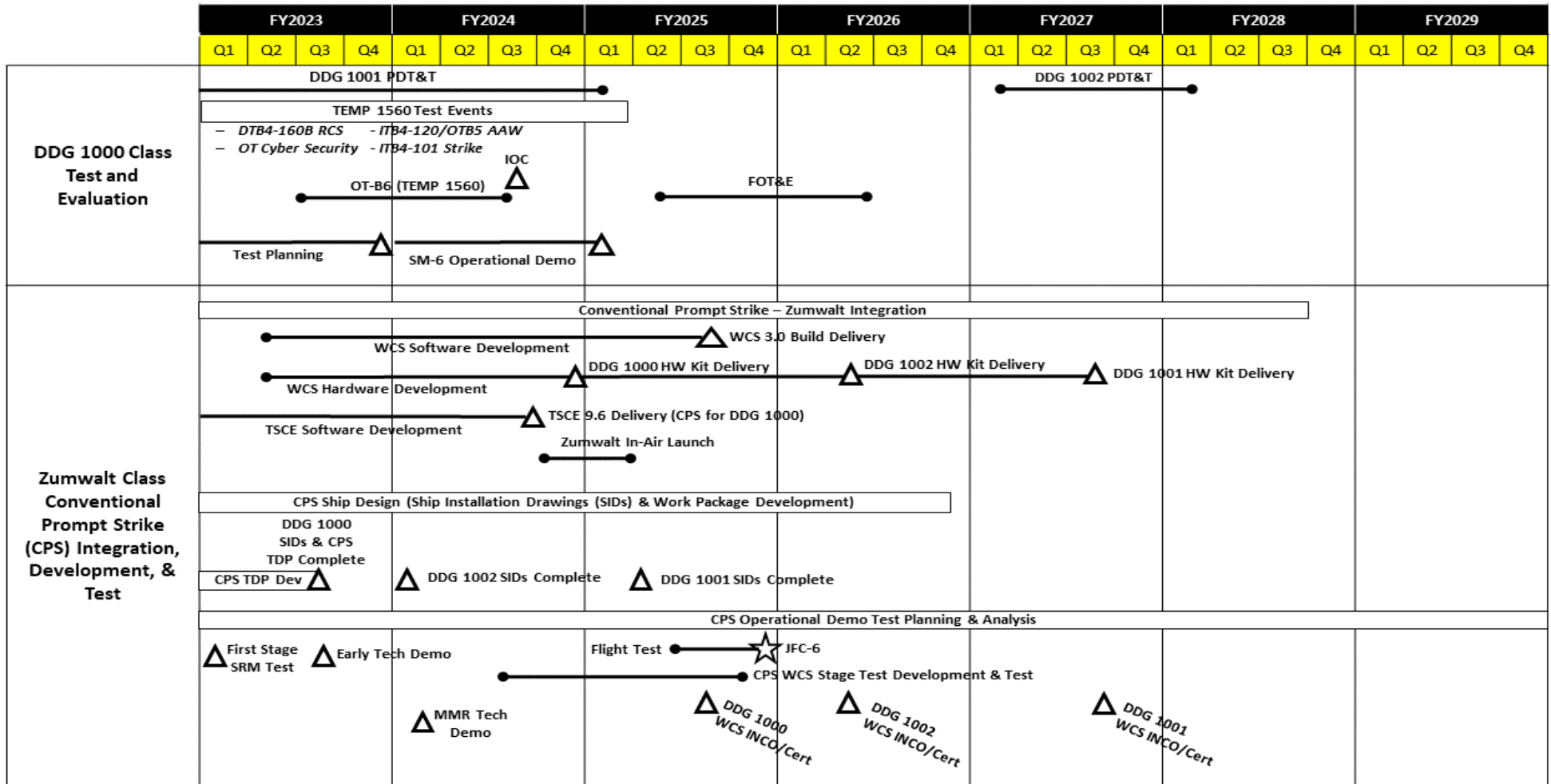
Exhibit R-4, RDT&E Schedule Profile: PB 2025 Navy

Date: March 2024

Appropriation/Budget Activity
1319 / 5

R-1 Program Element (Number/Name)
PE 0204202N / DDG-1000

Project (Number/Name)
2464 / DD(X) Sys Design, Dev & Integration



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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 0204202N / DDG-1000	Project (Number/Name) 2464 / DD(X) Sys Design, Dev & Integration

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
DDG 1000 Class Test & Evaluation				
DDG 1001 Post Delivery Test & Trials	1	2023	1	2025
DDG 1002 Post Delivery Test & Trials	1	2027	1	2028
Test Events (DTB4-160B RCS, ITB4-120/OTB5 AAW, OT Cyber Security, ITB4-101 Strike)	1	2023	1	2025
Operational Test (OTB6)	3	2023	3	2024
Initial Operational Capability (IOC)	3	2024	3	2024
Standard Missile (SM6) Test Planning & Operational Demonstration	1	2023	1	2025
Follow-on Operational Test and Evaluation (FOT&E)	2	2025	2	2026
Zumwalt - Conventional Prompt Strike				
Weapons Control System (Software / Hardware) Development	2	2023	2	2027
TSCE 9.6 (CPS) Software Development	1	2023	4	2024
Zumwalt In-Air Launch	4	2024	1	2025
CPS Ship Design (SID and Work Package Development)	1	2023	4	2026
CPS Operational Demonstration Test Planning & Analysis	1	2023	4	2029
First Stage Solid Rocket Motor Test Plume Analysis	1	2023	1	2023
USS ZUMWALT Early Technology Demonstration	3	2023	3	2023
CPS Weapons Control System (WCS) Stage Test Development & Test	3	2024	4	2025
WCS Installation Checkout/Certification (DDG 1000)	3	2025	3	2025
Joint Flight Campaign #6	4	2025	4	2025
WCS Installation Checkout/Certification (DDG 1002)	2	2026	2	2026
WCS Installation Checkout/Certification (DDG 1001)	3	2027	3	2027