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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 0604366N / <i>Standard Missile Improvements</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	3,235.154	341.355	309.943	418.187	-	418.187	436.301	406.018	226.269	81.976	Continuing	Continuing
0439: <i>Standard Missile Improvement</i>	1,431.842	45.710	28.948	39.173	-	39.173	34.937	37.358	14.981	14.140	Continuing	Continuing
2063: <i>SM-6 Blk IB</i>	257.303	175.378	189.204	234.761	-	234.761	228.327	150.497	151.505	61.889	Continuing	Continuing
3092: <i>Standard Missile 6 Program</i>	1,546.009	120.267	91.791	144.253	-	144.253	173.037	218.163	59.783	5.947	Continuing	Continuing

A. Mission Description and Budget Item Justification

STANDARD Missile (SM) is Navy's premier Integrated Air and Missile Defense (IAMD) capability providing ship's self-defense and Fleet area-defense against great power competition advanced threats. The SM active family of missiles (FoM) includes Medium Range (MR) SM-2 Block IIIC, Extended Range (ER) SM-6 Block I, IA, IAU and Long-range (LR) SM-6 Block IB. This SM active FoM evolution improves primary mission areas for IAMD and evolved to include additional multi-mission defensive and offensive hypersonic kinetic capabilities. Today the SM-2 Block IIICU, SM-6 Block IAU and SM-6 Block IB are aligned with the Joint Warfare Concept (JWC), Joint Concept for Fires (JCF), the Navy's Navigation Plan Implementation Framework (NIF), and Navy Distributed Maritime Operations (DMO) to deliver the Navy and the Joint Force transformative capabilities addressing Combatant Commander and Chairman of the Joint Chief of Staff (JCS) highest capability gaps and capability requirements to support the Joint Operating Environment (JOE) for 2030 and 2045.

The Standard Missile 2 Block IIIC (SM-2 Block IIIC) is a transformation from medium range (MR) semi-active to MR active capability incorporating the SM-6 Block I active seeker and delivering improved capabilities against the most challenging Air Warfare (AW) threats. The program was designated an Accelerated Acquisition (AA) program by the CNO/ASN RDA on November 14, 2017. The SM-2 Block IIIC Middle Tier Acquisition (MTA) program (previously known as accelerated acquisition program) delivered Initial Capability in 1Q FY 2023. The SM-2 Block IIIC plans to transition from an MTA program into a Major Capability Acquisition (MCA) program for SM-2 Block IIICU in 2023.

The Standard Missile 6 Block IB (SM-6 Block IB) is an upgrade of the SM-6 Block IAU, which provides long-range fires capability by implementing improved software and replacing the existing Mk 104 Dual-Thrust Rocket Motor (DTRM) with a new 21-inch rocket motor to extend the range. The SM-6 Block IB delivers to the Navy and Joint Force a transformative multi-domain, multi-mission offensive hypersonic kinetic capability. SM-6 Block IB IOC delivery is FY 2026.

UNCLASSIFIED

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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	343.511	319.943	264.010	-	264.010
Current President's Budget	341.355	309.943	418.187	-	418.187
Total Adjustments	-2.156	-10.000	154.177	-	154.177
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-10.000			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	10.000	0.000			
• SBIR/STTR Transfer	-12.156	0.000			
• Program Adjustments	0.000	0.000	-2.510	-	-2.510
• Rate/Misc Adjustments	0.000	0.000	156.687	-	156.687

Change Summary Explanation

The increase of \$108.244M from FY 2023 to FY 2024 fund activities to transition the SM-6 Block IB to MDAP. FY 2024 funding in the amount of \$100.100M for SM-6 Block IB Wholeness was aligned under RD TEN PE 0604366N Project Unit 3092 in error. This program funding should have been allocated to RD TEN PE 0604366N Project Unit 2063. As part of FY 2025, SM-6 Block IB funds will be placed under Project Unit 2063 FY 2024 - FY 2028. The SM-6 Block IB Engineering and Development program, will accomplish planned development efforts for the SM-6 Block IB in FY 2024, as follows: Conduct CTV-1 to close out the CTV demonstration. Complete the post-test analysis for the first Controlled Test Vehicle (CTV) conducted in FY 2023. Begin integrating the EU and the SM-6 Block IB to address the thermal protection systems differences with the SM-6 Block IAU. Complete the preliminary design and conduct a Preliminary Design Review (PDR) for the SM-6 Block IB on the new Electronics Unit (EU). Mature EU integration and complete detailed design. Conduct delta ground testing, including ground vibration survey, missile stability frequency response test, live battery test, and electromagnetic effects testing. Update the SM-6 Block IB model and simulation for flight test predictions to support CTV-2. Complete integration and prove out of software and simulation test facility fabrication initiated during the EU Risk Reduction effort. Complete software adaptation from EU into the SM-6 BLK IB to provide multi-mission capability. Complete architecture development and design for the CTV. Complete coding and final qualification test for the CTV-2 software build. Conduct Critical Design Review (CDR) for the SM-6 Block IB Initial Operating Capability (IOC). Continue Aegis architecture and design for SM-6 Block IB extended range capability. Continue procuring SM-6 Block IB components including ground test and CTV hardware. Continue procuring MK 29 Mod I canisters for the SM-6 Block IB flight and safety qualification testing and seven (7) Fleet experimentation rounds. Conduct an Independent Logistics Assessment (ILA). Conduct CTV-2 preparations and execute test; ramping down of combat system integration efforts to focus on DG 51 FLT III DT/OT events in FY 2024; the completion of the CTV SM-6 Block IB demonstration and execution of the functional baseline establishment of the Engineering and Manufacturing Development program; the Electronics Obsolescence program will complete development efforts, transition to test and the majority of flight testing will complete in FY 2023. The EU program will deliver the Engineering Change Proposal (ECP) to support production starting in FY 2024 completing the SM-6 Block IAU effort.

UNCLASSIFIED

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 0604366N / <i>Standard Missile Improvements</i>				Project (Number/Name) 0439 / <i>Standard Missile Improvement</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
0439: <i>Standard Missile Improvement</i>	1,431.842	45.710	28.948	39.173	-	39.173	34.937	37.358	14.981	14.140	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Future Combat System Integration S-Band Radar (AMDR-S) for DDG 51 Flight III ships, with other platforms/Combat System baselines, will include requirements review/updates and analysis, verification; technical documentation, design review and working group Subject Matter Expert (SME) support, missile/radar integration, missile test hardware procurement, risk assessment, safety, test and evaluation planning, analysis, and data collection. Deliverables include interface control documents (ICDs) changes, missile specifications changes, and engineering documents updates to support AEGIS Baseline 10 (BL10) Integrated Program Review (IPR) Process Engineering Development Model (EDM) testing; Combat Systems Engineering Development Site (CSEDS) , Moorestown, NJ; Combat System/missile integration testing at Pacific Missile Range Facility/Advanced Radar Detection Laboratory (PMRF/ARDEL) Kauai, HI and Sudbury, MA; Waterfront Integration Testing (WIT) and Electromagnetic Environmental Effects (E3) and Hazard of Electromagnetic Radiation to Ordnance (HERO) testing, analysis, and reports for BL10 DDG 51 FLT III FY 2022-2023; Developmental Testing and Operational Testing (DT/OT), analysis, and reports for BL10 DDG 51 FLT III FY 2023-2024 and Integrated Air Missile Defense Testing in FY 2026/2027.

The Standard Missile 2 Block IIIC (SM-2 Block IIIC) is a transformation from medium range (MR) semi-active to MR "active" capability incorporating the SM-6 Blk I active seeker and delivering improved capabilities against the most challenging Air Warfare (AW) threats. The program was designated an Accelerated Acquisition (AA) program by the CNO/ASN RDA on November 14, 2017. The SM-2 Block IIIC Middle Tier Acquisition (MTA) program (previously known as accelerated acquisition program) delivered Initial Capability in 1Q FY 2023. The SM-2 Block IIIC plans to transition from an MTA program into a Major Capability Acquisition (MCA) program for SM-2 Block IIICU in 2023. The FY 2023 and 2024 funding allows for the SM-2 Block IIIC program to transition to a SM-2 Block IIICU program with integration of the electronics unit upgrade and is being conducted in coordination with the international community via FMS cases. The SM-2 Block IIIC/IIICU is the primary AAW weapon for the FFG 62 class of ships. The addition of the MR IIIC/IIICU active seeker capability does not require missile illuminators as previously required for legacy semi-active missiles.

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

	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Title: Standard Missile-2 BLK IIIC	32.230	20.874	32.491	0.000	32.491
Articles:	-	-	-	-	-
Description: The SM-2 Block IIIC Middle Tier Acquisition (MTA) program (previously known as accelerated acquisition program) delivered Initial Capability in 1Q FY 2023. The funding allows for the SM-2 Block IIIC program to transition to a SM-2 Block IIICU program with the integration of a new electronics unit required to address obsolescence. This upgrade is necessary to continue procurement of the SM-2 Block IIIC capability and					

UNCLASSIFIED

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Appropriation/Budget Activity 1319 / 5		R-1 Program Element (Number/Name) PE 0604366N / <i>Standard Missile Improve ments</i>		Project (Number/Name) 0439 / <i>Standard Missile Improvement</i>	
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)					
is being conducted in coordination with the international community via FMS cases. The SM-2 Block IIIC/IIICU is the primary AAW weapon for DDG's and the FFG 62 class of ships which are not planning to include missile illuminators required for legacy semi-active missiles.					
FY 2023 Plans: Close out SM-2 Block IIIC AA program with completion of the shipboard testing and system verification review. Complete supplemental analysis and runs for the record. Award SM-2 Block IIICU contract. SM-2 Block IIICU Risk reduction efforts, integration with Combat System Test Bed (CSTB) and early integration efforts to future AEGIS capability packages. Early analysis with FFG(X) Integration.					
FY 2024 Base Plans: Kick off SM-2 Block IIICU efforts to include Systems Requirements Review (SRR) and Preliminary Design Review (PDR). Begin AUR integration, qualification, and testing. Update modeling and simulation tools leveraging legacy systems. Identify any potential changes to canister mechanical/electrical interfaces to support extended platform use. Begin integration efforts into new Aegis baseline. Engage WSESRB on delta safety requirements.					
FY 2024 OCO Plans: N/A					
FY 2023 to FY 2024 Increase/Decrease Statement: Increase of \$11.617M due to delivery completion of SM-2 Block IIIC MTA program and kick-off efforts required during migration to SM-2 Block IIICU.					
Title: Future Combat System Integration					
Articles:					
	13.480	8.074	6.682	0.000	6.682
	-	-	-	-	-
FY 2023 Plans: Continue to plan and support missile radar and combat system (CS) testing using Inert Operational Missile (IOM), Missile Simulation Unit (MSU), or VOM with AEGIS combat system using SPY-6 at CSEDS. Continue to integrate and implement ET-17 solutions. Ensure all Electromagnetic Environmental Effects (E3), including Electromagnetic Vulnerability (EMV) testing, evaluation and analysis are complete and reports generated as required. Support execution of WIT 1 (VOM Shipboard Integration). Continue to prepare for and support safety efforts for AEGIS Baseline 10. Support advanced planning, preparation and execution of Waterfront Integration Testing (WIT) 2 for Future Combat System Integration planned for Q4 FY 2023. Support advanced planning and					

UNCLASSIFIED

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Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604366N / <i>Standard Missile Improvements</i>	Project (Number/Name) 0439 / <i>Standard Missile Improvement</i>

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
preparation for upcoming DT/OT events in FY 2024 and Integrated Air Missile Defense Testing in FY 2026/2027. Continue to support AEGIS Baseline 10. IPR Process. FY 2024 Base Plans: Continue to plan and support missile radar and combat system (CS) testing using Inert Operational Missile (IOM), Missile Simulation Unit (MSU), or VOM with AEGIS combat system using SPY-6/BL10 at CSEDS as required. Continue to integrate and implement ET-17 solutions. Support advanced planning, preparation, execution and post test data analysis for DT/OT events in FY 2024 and Integrated Air Missile Defense Testing in FY 2026/2027. Continue to support AEGIS Baseline 10. IPR Process FY 2024 OCO Plans: N/A FY 2023 to FY 2024 Increase/Decrease Statement: Decrease of \$1.392M due to ramping down of combat system integration testing and focus on DDG 51 FLT III DT/OT at sea events in FY 2024 the majority of which will be supplemented by the ship program.					
Accomplishments/Planned Programs Subtotals	45.710	28.948	39.173	0.000	39.173

C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
• WPN/2356: <i>Standard Missile Mods BLK IIIC & Canister</i>	130.482	71.198	89.255	-	89.255	101.292	148.166	200.423	205.028	Continuing	Continuing

Remarks
2356 funding Includes BLK IIIC & Canisters

D. Acquisition Strategy
The Navy's SM-2 Block IIIC program is an upgrade to the SM-2 Air Defense missile that will ultimately result in active, medium range missiles onboard AEGIS Cruisers and Destroyers. SM-2 Block IIIC is a rapid prototyping pathway middle tier acquisition (MTA) project that maximizes the reuse of the existing SM-6 Block I active guidance section with a SM-2 Block III rocket motor while minimizing new hardware and software development work. The SM-2 Block IIIC Middle Tier Acquisition (MTA) program (previously known as accelerated acquisition program) delivered Initial Capability in 1Q FY 2023. The SM-2 Block IIIC plans to transition from a MTA program into a Major Capability Acquisition (MCA) program for SM-2 Blk IIICU in 2023. The program is designated as SM-2 Block IIICU and will address obsolescence and increased performance capability beyond the initial IC program.

UNCLASSIFIED

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

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Product Development (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Design and Analysis1	C/CPFF	RAYTHEON : Tucson, AZ	469.499	19.098	Nov 2021	8.028	Nov 2022	24.786	Nov 2023	-		24.786	Continuing	Continuing	Continuing
Design and Analysis2	C/CPFF	JHU/APL : Laurel, MD	29.699	2.340	Nov 2021	3.340	Nov 2022	2.830	Nov 2023	-		2.830	0.000	38.209	-
Design and Analysis3	MIPR	MIT/Lin Lab : Lexington, MA	0.050	0.000		0.000		0.000		-		0.000	0.000	0.050	-
Design and Analysis4	WR	NSWC : Dahlgren	794.469	0.950	Nov 2021	0.450	Nov 2022	1.450	Nov 2023	-		1.450	0.000	797.319	-
Design and Analysis5	WR	NSWC : Indian Head	1.751	0.000		0.000		0.000		-		0.000	0.000	1.751	-
Design and Analysis6	WR	NAWC : China Lake	5.979	0.000	Nov 2021	0.000		0.000		-		0.000	0.000	5.979	-
Design and Analysis7	Various	LOCKHEED MARTIN : Moorestown, NJ	17.775	0.000		0.000		0.125	Nov 2023	-		0.125	0.000	17.900	-
Design and Analysis8	WR	CNO : Washington, DC	0.010	0.000		0.000		0.000		-		0.000	0.000	0.010	-
Design and Analysis9	WR	CMDP : Phoenix, AZ	4.795	0.000		0.000		0.000		-		0.000	0.000	4.795	-
Design and Analysis11	WR	NSWC : Crane	0.257	0.000		0.000		0.000		-		0.000	0.000	0.257	-
Design and Analysis12	WR	DOI&CNAP : Washington, DC	0.487	0.000		0.000		0.000		-		0.000	0.000	0.487	-
Design and Analysis13	WR	COMPTEVFOR : Norfolk, VA	0.895	0.450	Nov 2021	0.020	Nov 2022	0.000	Nov 2023	-		0.000	0.000	1.365	-
Design and Analysis14	C/CPFF	LOCKHEED MARTIN : Moorestown, NJ	2.000	0.000		0.000		0.000		-		0.000	0.000	2.000	-
Design and Analysis15	WR	CARDEROCK : Bethesda, MD	0.080	0.000		0.000		0.000		-		0.000	0.000	0.080	-
Design and Analysis16	WR	NSWC : Corona	3.044	1.383	Nov 2021	0.000		0.075	Oct 2023	-		0.075	0.000	4.502	-
Design and Analysis17	C/CPFF	CORVID : Moorestown, NC	0.100	0.000		0.000		0.000		-		0.000	0.000	0.100	-
Design and Analysis18	C/CPFF	BAE : Rockville, MD	2.392	0.883	Nov 2021	0.000		0.296	Nov 2023	-		0.296	0.000	3.571	-
Design and Analysis19	MIPR	MDA : Dahlgren,VA	1.257	0.000		0.000		0.000		-		0.000	0.000	1.257	-

UNCLASSIFIED

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Product Development (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Design and Analysis20	WR	IWS3D : ARLINGTON, VA	1.500	0.000		0.000		0.000		-		0.000	0.000	1.500	-
Design and Analysis21	C/CPFF	LOCKHEED MARTIN : IWS (IWS 1)	38.588	0.800	Nov 2021	2.000	Nov 2022	0.700	Nov 2023	-		0.700	0.000	42.088	-
Design and Analysis22	WR	IWS3L : Arlington, Va	15.400	0.100	Nov 2021	0.200	Nov 2022	0.000		-		0.000	0.000	15.700	-
Design and Analysis23	WR	NSWC : PHD	0.824	0.000	Nov 2021	0.000		0.075	Nov 2023	-		0.075	0.000	0.899	-
Design and Analysis24	C/CPFF	IWS1 : Washington, D.C.	5.000	5.600	Nov 2021	0.310	Nov 2022	0.000	Nov 2023	-		0.000	0.000	10.910	-
Design and Analysis25	WR	IWS 3A : Arlington, Va	0.000	0.000		1.000	Nov 2022	1.230	Nov 2023	-		1.230	0.000	2.230	-
Design and Analysis26	WR	IWS7 : Washington, DC	4.370	1.900	Nov 2021	0.000		0.000		-		0.000	0.000	6.270	-
Design and Analysis	WR	IWS3 : Arlington, Va	0.000	0.000		4.060	Nov 2022	0.000		-		0.000	0.000	4.060	-
Design and Analysis	WR	VARIOUS : VARIOUS	0.000	0.000		0.000		0.154	Nov 2023	-		0.154	0.000	0.154	-
Product Development	WR	VARIOUS : VARIOUS	0.000	0.000		0.000		0.154	Nov 2023	-		0.154	0.000	0.154	-
Design and Analysis	WR	IWS3C : Washington, D.C.	0.000	0.000		0.000		0.500	Nov 2023	-		0.500	0.000	0.500	-
Subtotal			1,400.221	33.504		19.408		32.375		-		32.375	Continuing	Continuing	N/A

Test and Evaluation (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Developmental Test & Evaluation (DT&E)	WR	NSWC : Port Hueneme	0.935	1.383	Nov 2021	0.383	Nov 2022	0.500	Nov 2023	-		0.500	0.000	3.201	-
Developmental Test & Evaluation (DT&E)	WR	WSMR : New Mexico	3.230	0.150	Nov 2021	0.000		0.075	Oct 2023	-		0.075	0.000	3.455	-

UNCLASSIFIED

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Test and Evaluation (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Developmental Test & Evaluation (DT&E)	WR	NAWC : Pt Mugu	0.362	2.262	Nov 2021	0.000		0.000		-		0.000	0.000	2.624	-
Developmental Test & Evaluation (DT&E)	WR	PMRF : Hawaii	0.338	0.000		0.000		0.000		-		0.000	0.000	0.338	-
Developmental Test & Evaluation (DT&E)	WR	NSWC : Techrep	1.688	0.565	Nov 2021	0.565	Nov 2022	0.934	Nov 2023	-		0.934	0.000	3.752	-
Developmental Test & Evaluation (DT&E)	SS/CPFF	RAYTHEON : Tucson, Az	1.895	3.000	Nov 2021	2.500	Nov 2022	0.400	Nov 2023	-		0.400	0.000	7.795	-
Developmental Test & Evaluation (DT&E)	C/CPFF	JHU/APL : Laurel, Md	0.519	0.200	Nov 2021	0.200	Nov 2022	0.450	Nov 2023	-		0.450	0.000	1.369	-
Developmental Test & Evaluation (DT&E)	C/CPIF	VARIOUS : IWS (IWS 1)	4.352	2.800	Nov 2021	0.000		0.000	Nov 2023	-		0.000	0.000	7.152	-
Developmental Test & Evaluation (DT&E)	WR	NSWC : Dahlgren	0.468	0.300	Nov 2021	0.200	Nov 2022	0.400	Nov 2023	-		0.400	0.000	1.368	-
Developmental Test & Evaluation (DT&E)	WR	NSWC : Corona	0.000	0.200	Nov 2021	0.520	Nov 2022	1.520	Nov 2023	-		1.520	0.000	2.240	-
Developmental Test & Evaluation (DT&E)	WR	IWS3 : Arlington, VA	0.000	0.000		2.030	Nov 2022	0.000	Nov 2023	-		0.000	0.000	2.030	-
Subtotal			13.787	10.860		6.398		4.279		-		4.279	0.000	35.324	N/A

Management Services (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
CONTRACTOR ENGINEERING SUPPORT	C/CPAF	VARIOUS : VARIOUS	4.561	0.000		0.000		0.000		-		0.000	0.000	4.561	-
PROGRAM MANAGEMENT SUPPORT	C/CPAF	VARIOUS : VARIOUS	12.717	1.301	Nov 2021	3.107	Nov 2022	2.319	Dec 2023	-		2.319	0.000	19.444	-
TRAVEL	Allot	IWS3 : Arlington, VA	0.556	0.045	Nov 2021	0.035	Nov 2022	0.200	Nov 2023	-		0.200	0.000	0.836	-
Subtotal			17.834	1.346		3.142		2.519		-		2.519	0.000	24.841	N/A

UNCLASSIFIED

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Appropriation/Budget Activity 1319 / 5				R-1 Program Element (Number/Name) PE 0604366N / <i>Standard Missile Improve ments</i>			Project (Number/Name) 0439 / <i>Standard Missile Improvement</i>				
	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	1,431.842	45.710	28.948	39.173	-	39.173	Continuing	Continuing	N/A		

Remarks

UNCLASSIFIED

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 0604366N / <i>Standard Missile Improve ments</i>	Project (Number/Name) 0439 / <i>Standard Missile Improvement</i>
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	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Standard Missile-2 BLK IIIC Software Systems Safety Technical Review Panel 5				■																								
Standard Missile-2 BLK IIIC Weapon Systems Explosive Safety Review Board 5				■																								
Standard Missile-2 BLK IIICU Milestone B							■																					
Standard Missile-2 BLK IIIC Weapon Systems Explosive Safety Review Board 4							■																					
Standard Missile-2 BLK IIIC Initial Capability				■																								
Standard Missile-2 BLK IIICU Contract Award												■																
Standard Missile-2 BLK IIICU SRR													■															
Standard Missile-2 BLK IIICU Program Kickoff/ Preliminary Design Review														■														
Standard Missile-2 BLK IIICU PDR															■													
Standard Missile-2 BLK IIICU CDR																■												
Standard Missile-2 BLK IIICU Landing Based Testing																												
Standard Missile-2 BLK IIICU DT/OT																												

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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 0604366N / <i>Standard Missile Improve ments</i>	Project (Number/Name) 0439 / <i>Standard Missile Improvement</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 0439				
Future Combat System Integration HERO/EMV Testing	3	2022	1	2023
Future Combat System Integration Test Planning	1	2022	4	2027
Future Combat System Integration WIT 1	2	2023	2	2023
Future Combat System Integration DT/OT	4	2023	4	2024
Future Combat System Integration WIT 2	4	2023	4	2023
Future Combat System Integration DDG 51 FLT III IOC	4	2024	4	2024
Future Combat System Integration ET-17 MSLEX During CSSQT	4	2024	4	2024
Future Combat System Integration Weapon System Explosives Safety Review Board (WSESRB)	1	2024	4	2027
Future Combat System Integration Integrated Air Missile Defense Testing	4	2026	4	2027
Standard Missile-2 BLK IIIC Weapon Systems Explosive Safety Review Board 2	1	2022	1	2022
Standard Missile-2 BLK IIIC CTV/GTV	2	2022	1	2023
Standard Missile-2 BLK IIIC Weapon Systems Explosive Safety Review Board 3	1	2022	1	2022
Standard Missile-2 BLK IIIC QRA Testing	3	2022	3	2022
Standard Missile-2 BLK IIIC System Verification Review	4	2022	4	2022
Standard Missile-2 BLK IIIC Software Systems Safety Technical Review Panel 4	1	2022	1	2022
Standard Missile-2 BLK IIIC Software Systems Safety Technical Review Panel 5	4	2022	4	2022
Standard Missile-2 BLK IIIC Weapon Systems Explosive Safety Review Board 5	4	2022	4	2022
Standard Missile-2 BLK IIICU Milestone B	2	2023	2	2023
Standard Missile-2 BLK IIIC Weapon Systems Explosive Safety Review Board 4	1	2023	1	2023
Standard Missile-2 BLK IIIC Initial Capability	4	2022	4	2022

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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 0604366N / <i>Standard Missile Improve ments</i>	Project (Number/Name) 0439 / <i>Standard Missile Improvement</i>
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Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Standard Missile-2 BLK IIICU Contract Award	4	2023	4	2023
Standard Missile-2 BLK IIICU SRR	1	2024	1	2024
Standard Missile-2 BLK IIICU Program Kickoff/ Preliminary Design Review	1	2024	1	2024
Standard Missile-2 BLK IIICU PDR	2	2024	2	2024
Standard Missile-2 BLK IIICU CDR	4	2024	4	2024
Standard Missile-2 BLK IIICU Landing Based Testing	2	2025	1	2026
Standard Missile-2 BLK IIICU DT/OT	3	2026	2	2027

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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 0604366N / <i>Standard Missile Improve ments</i>				Project (Number/Name) 2063 / <i>SM-6 Blk IB</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
2063: <i>SM-6 Blk IB</i>	257.303	175.378	189.204	234.761	-	234.761	228.327	150.497	151.505	61.889	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

Note

FY 2024 funding in the amount of \$100.100M for SM-6 Block IB Wholeness was aligned under RDTEN PE 0604366N Project Unit 3092 in error. This program funding should have been allocated to RDTEN PE 0604366N Project Unit 2063, and needs to be corrected across the FYDP.

A. Mission Description and Budget Item Justification

This missile will provide an extended range capability for SM-6 and will be a key contributor to the protection of Joint U.S. Forces, in support of the 2022 National Defense Strategy. SM-6 Block IB addresses valid Joint, Fleet, and Navy Urgent Operational Needs and existing, Joint Requirements Oversight Council (JROC)-approved requirements. This program aligns with the STANDARD Missile roadmap and takes advantage of the Navy's investment in the AEGIS Weapon System (AWS). It leverages existing missile technology and advanced missile technology from the SM-6 Block IB Phase IA Rocket Motor Rapid Prototyping Experimentation and Demonstration (RPED) effort that completed in FY 2020. The Accelerated Acquisition Board of Directors (AA BoD) met on 17 January 2018 and approved the designation of the SM-6 Block IB Phase IA (Rocket Motor) as a Rapid Prototyping, Experimentation and Demonstration (RPED) project. This designation acknowledged the requirement to expedite the development, acquisition and fielding of the SM-6 Block IB to Naval Forces. The AA BoD met 9 November 2018 and directed SM-6 Block IB to commence All Up Round (AUR) prototyping (Phase IB). In December 2020, the program initiated a restructure to transition from an Accelerated Acquisition program with 10 USC 2538 authority to a Major Development Acquisition Program.

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

	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Title: SM-6 BLK IB Development	152.917	189.204	234.761	0.000	234.761
Articles:	-	-	-	-	-
FY 2023 Plans: Complete development efforts started in FY 2022; complete design verification sufficient to conduct a Controlled Test Vehicle (CTV). Complete ground testing including live battery verification and electrical and preliminary electromagnetic effects testing. Complete incorporation of results from ground testing into model based analytical tools to facilitate design, design validation, and assessment of safety standards compliance sufficient for flight testing. Complete software build for the CTV and conduct a final qualification test for the CTV software build. Conduct a platform test to ensure integration with Vertical Launch System (VLS) for CTV demonstration. Complete qualification of the In-Flight Termination System to certify compliance with US range safety requirements for approval to conduct extended range CTV. Complete Packaging, Handling, Storage and Transportation (PHS&T) Qualification testing for the MK 29 Mod 1 Canister and obtain PHS&T					

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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 0604366N / <i>Standard Missile Improve ments</i>	Project (Number/Name) 2063 / <i>SM-6 Blk IB</i>

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

	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
<p>certification. Complete preparations at the Range for a CTV demonstration including site surveys, environmental assessments, range procedures, dry runs, and instrumenting launch and impact sites for CTV-1. Award the SM-6 Block IB Engineering and Manufacturing Development contract. Conduct a Systems Requirements Review (SRR) and initiate the preliminary design for the SM-6 Block IB on the new Electronics Unit (EU). SM-6 Block IB design will leverage effort from the SM-6 Block IAU obsolescence program and the Electronics Unit Risk Reduction conducted for the SM-6 Block IB in FY 2022. Begin design and hardware procurement for software and simulation test facility fabrication initiated during the EU Risk Reduction effort. Conduct shock and vibration testing on the Electronics Unit to the SM-6 Block IB environments. Fabricate multiple 21-inch diameter rocket motor prototypes for All-Up-Round flight testing and insensitive munitions testing. Complete RM design verification testing and initiate rocket motor qualification. Begin software adaptation from SM-6 BLK IAU into the SM-6 Block IB to provide multi-mission capability. Begin Aegis architecture development and design for the SM-6 Block IB extended range capability. Begin procuring SM-6 Block IB components and MK 29 Mod I canisters for the SM-6 Block IB flight and safety qualification testing and seven (7) Fleet experimentation rounds.</p> <p>FY 2024 Base Plans: PU 3092 includes program funding for SM-6 Block IB wholeness of which \$100.100M contributes to efforts to complete SM-6 Block IB Engineering and Development program to accomplish planned development efforts for the SM-6 Block IB in FY 2024, as follows: Conduct CTV-1 to close out the CTV demonstration. Complete the post-test analysis for the first Controlled Test Vehicle (CTV) conducted in FY 2023. Begin integrating the EU and the SM-6 Block IB to address the thermal protection systems differences with the SM-6 Block IAU. Complete the preliminary design and conduct a Preliminary Design Review (PDR) for the SM-6 Block IB on the new Electronics Unit (EU). Mature EU integration and complete detailed design. Conduct delta ground testing, including ground vibration survey, missile stability frequency response test, live battery test, and electromagnetic effects testing. Update the SM-6 Block IB model and simulation for flight test predictions to support CTV-2. Complete integration and prove out of software and simulation test facility fabrication initiated during the EU Risk Reduction effort. Complete software adaptation from EU into the SM-6 Block IB to provide multi-mission capability. Complete architecture development and design for the CTV. Complete coding and final qualification test for the CTV-2 software build. Conduct Critical Design Review (CDR) for the SM-6 Block IB Initial Operating Capability (IOC). Continue Aegis architecture and design for SM-6 Block IB extended range capability. Continue procuring SM-6 Block IB components including ground test and CTV hardware. Continue procuring MK 29 Mod I canisters for the SM-6 Block IB flight and safety qualification testing and seven (7) Fleet experimentation rounds. Conduct an Independent Logistics Assessment (ILA). Conduct CTV-2 preparations and execute test.</p> <p>FY 2024 OCO Plans:</p>					

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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 0604366N / <i>Standard Missile Improve ments</i>	Project (Number/Name) 2063 / <i>SM-6 Blk IB</i>

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 of \$45.557M reflects the partial increase required to complete the CTV-1 demonstration, complete the preliminary design and continue procuring test articles for the flight test program. FY 2024 funding in the amount of \$100.100M for SM-6 Block IB Wholeness was aligned under RD TEN PE 0604366N Project Unit 3092 in error. This program funding should have been allocated to RD TEN PE 0604366N Project Unit 2063. In the interim, the scope is addressed in both PU 2063 and PU 3092 until these adjustments are amended.					
<i>Title:</i> Electronics Unit Integration	22.461	0.000	0.000	0.000	0.000
<i>Articles:</i>	-	-	-	-	-
<i>FY 2023 Plans:</i> After completion of long lead activities in FY 2022, the Electronics Unit (EU) Integration activities will be conducted as part of the integrated SM-6 Block IB Engineering and Manufacturing Development Program rather than as a separate discrete effort.					
<i>FY 2024 Base Plans:</i> N/A					
<i>FY 2024 OCO Plans:</i> N/A					
Accomplishments/Planned Programs Subtotals	175.378	189.204	234.761	0.000	234.761

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>
• WPN 2234: <i>Standard Missile</i>	598.826	572.040	969.525	-	969.525	963.877	1,404.090	1,274.824	1,270.011	6,264.788	18,103.274

Remarks
PE 0204228N WPN LI 2234 is a shared procurement for SM-6 Block I, Block IA and Block IB. SM-6 Block IB low rate initial production starts in FY 2024.

D. Acquisition Strategy
SM-6 Block IB Acquisition Strategy was signed by ASN RDA in FY 2022

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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 0604366N / Standard Missile Improve ments				Project (Number/Name) 2063 / SM-6 Blk IB							
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
Design and Analysis	C/CPFF	JHU/APL : Laurel, MD	13.231	0.993	Jun 2022	0.981	Nov 2022	2.354	Nov 2023	-		2.354	Continuing	Continuing	Continuing
Design and Analysis	WR	NAWC AD : China Lake	12.222	2.874	May 2022	3.556	Nov 2022	3.563	Nov 2023	-		3.563	Continuing	Continuing	Continuing
Design and Analysis	WR	NSWC : Indian Head	0.690	0.380	Jun 2022	0.365	Nov 2022	0.380	Nov 2023	-		0.380	Continuing	Continuing	Continuing
Design and Analysis	C/CPFF	NSMA : Tucson, AZ	106.518	78.502	Jun 2022	80.885	Nov 2022	97.180	Nov 2023	-		97.180	Continuing	Continuing	Continuing
Design and Analysis	C/CPFF	BAE : ROCKVILLE, MD	0.204	0.091	Jun 2022	0.044	Nov 2022	0.150	Nov 2023	-		0.150	Continuing	Continuing	Continuing
Design and Analysis	C/CPFF	GD-OTS : Healdsburg, CA	20.857	7.169	Jun 2022	4.522	Nov 2022	0.000		-		0.000	0.000	32.548	-
Design and Analysis	WR	NSWC Dahl : Dahlgren, Va	1.632	0.385	Apr 2022	0.381	Nov 2022	0.000		-		0.000	0.000	2.398	-
Design and Analysis	Various	IWS 3L : Dahlgren, VA	9.983	0.000		0.000		0.167	Nov 2023	-		0.167	0.000	10.150	-
Design and Analysis	Various	IWS1.0 : Lockheed Martin	1.625	0.125	Jun 2022	1.000	Nov 2022	1.500	Nov 2023	-		1.500	0.000	4.250	-
Design and Analysis	C/CPFF	Corvid : Mooresville, NC	1.737	0.801	Dec 2021	0.000		0.000		-		0.000	0.000	2.538	-
Design and Analysis	WR	Indian Head : Picatinny	1.731	2.142	Jun 2022	1.030	Nov 2022	0.628	Nov 2023	-		0.628	0.000	5.531	-
Design and Analysis	WR	NAWC AD : Techrep	0.466	0.000		0.000		0.000		-		0.000	0.000	0.466	-
Design and Analysis	C/CPFF	Aerojet : Huntsville, AL	40.633	24.997	Jun 2022	5.886	Nov 2022	15.000	Nov 2023	-		15.000	0.000	86.516	-
Design and Analysis	WR	PHD : Port Hueneme	0.000	0.022	Jun 2022	0.460	Nov 2022	0.100	Nov 2023	-		0.100	0.000	0.582	-
Design and Analysis	C/CPFF	Lockheed Martin : Moorestown, NJ	1.000	0.000		0.350	Nov 2022	7.800	Nov 2023	-		7.800	0.000	9.150	-
Design and Analysis	C/CPFF	BAE Systems : Fridley, MN	0.000	7.933	Jun 2022	2.495	Nov 2022	2.060	Nov 2023	-		2.060	0.000	12.488	-
Design and Analysis	WR	NSWC Corona : Corona, CA	0.000	0.326	Jun 2022	0.960	Nov 2022	0.000		-		0.000	0.000	1.286	-
Subtotal			212.529	126.740		102.915		130.882		-		130.882	Continuing	Continuing	N/A

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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 0604366N / <i>Standard Missile Improve ments</i>	Project (Number/Name) 2063 / <i>SM-6 Blk IB</i>
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Support (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Developmental Test and Evaluation	WR	NAWC WD : China Lake	0.500	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Developmental Test and Evaluation	WR	NSWC : Port Hueneme	0.001	0.087	Mar 2022	0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Developmental Test and Evaluation	WR	McAlester : Rock Island	0.013	0.000		0.000		0.000		-		0.000	0.000	0.013	-
Developmental Test and Evaluation	C/CPFF	IWS 3 : Arlington, VA	0.038	0.000		0.000		0.000		-		0.000	0.000	0.038	-
Developmental Test and Evaluation	Various	NSMA Support : VARIOUS	0.000	31.235	Mar 2022	0.000		0.000		-		0.000	0.000	31.235	-
Developmental Test and Evaluation	WR	Techrep Support : China Lake	0.489	0.802	Mar 2022	0.908	Nov 2022	0.944	Nov 2023	-		0.944	0.000	3.143	-
Developmental Test and Evaluation	C/CPFF	BAE Systems Spt : Fridley, MN	0.000	0.000		7.410	Nov 2022	18.543	Nov 2023	-		18.543	0.000	25.953	-
Developmental Test and Evaluation	C/CPFF	NSWC PHD Spt : Port Hueneme	0.000	0.087	Mar 2022	0.000		0.000		-		0.000	0.000	0.087	-
Developmental Test and Evaluation	WR	IWS 3L Support : Dahlgren, VA	0.000	0.000		0.000		1.251	Nov 2023	-		1.251	0.000	1.251	-
Developmental Test and Evaluation	WR	NSWC DD Spt : Dahlgren, VA	0.000	0.000		0.370	Nov 2022	0.964	Nov 2023	-		0.964	0.000	1.334	-
Developmental Test and Evaluation	WR	NSWC IH Spt : Picatinny, NJ	0.000	0.000		0.964	Nov 2022	0.539	Nov 2023	-		0.539	0.000	1.503	-
Developmental Test and Evaluation	C/CPFF	Aerojet Support : Huntsville, AL	0.000	6.755	Mar 2022	8.828	Nov 2022	7.750	Nov 2023	-		7.750	0.000	23.333	-
Developmental Test and Evaluation	C/CPFF	JHU/APL Support : Laurel, Maryland	0.000	0.662	Mar 2022	0.000		0.000		-		0.000	0.000	0.662	-
Developmental Test and Evaluation	WR	NAWC CL Support : China Lake, CA	0.000	0.822	Mar 2022	0.000		0.000		-		0.000	0.000	0.822	-
Developmental Test and Evaluation	WR	Pt Mugu Support : Pt Mugu, CA	0.000	0.050	Mar 2022	0.000		0.000		-		0.000	0.000	0.050	-

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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 0604366N / <i>Standard Missile Improve ments</i>	Project (Number/Name) 2063 / <i>SM-6 Blk IB</i>
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Support (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Developmental Test and Evaluation	WR	NSWC Corona Support : Corona, CA	0.000	0.326	Mar 2022	0.000		0.000		-		0.000	0.000	0.326	-
Developmental Test and Evaluation	WR	NSWC DD Support : Dahlgren, VA	0.000	0.663	Mar 2022	1.604	Nov 2022	0.000		-		0.000	0.000	2.267	-
Developmental Test and Evaluation	C/CPFF	GD-OTS Support : Healdsburg, CA	0.000	1.917	Mar 2022	0.000		0.000		-		0.000	0.000	1.917	-
Developmental Test and Evaluation	MIPR	NSA Support : Edwards AFB, NV	0.000	0.090	Mar 2022	0.000		0.000		-		0.000	0.000	0.090	-
Subtotal			1.041	43.496		20.084		29.991		-		29.991	Continuing	Continuing	N/A

Test and Evaluation (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Developmental Test & Evaluation (DT&E)	WR	WSMR : White Sands	0.360	0.703	Jun 2022	1.628	Nov 2022	2.539	Nov 2023	-		2.539	0.000	5.230	-
Developmental Test & Evaluation (DT&E)	C/BA	JHU/APL : Laurel, MD	3.550	0.000		2.163	Nov 2022	1.761	Dec 2023	-		1.761	0.000	7.474	-
Developmental Test & Evaluation (DT&E)	C/BA	NAWC WD : China Lake	2.250	0.000		2.223	Nov 2022	3.197	Dec 2023	-		3.197	0.000	7.670	-
Developmental Test & Evaluation (DT&E)	C/BA	PHD : Port Hueneme	0.025	0.000		0.220	Nov 2022	0.952	Dec 2023	-		0.952	0.000	1.197	-
Developmental Test & Evaluation (DT&E)	C/BA	NSMA : Virginia	24.405	0.000		42.556	Nov 2022	37.100	Dec 2023	-		37.100	0.000	104.061	-
Developmental Test & Evaluation (DT&E)	C/BA	IWS 3 : Arlington, VA	0.050	0.000		0.000		0.050	Nov 2023	-		0.050	0.000	0.100	-
Developmental Test & Evaluation (DT&E)	C/BA	Pt Mugu : Pt Mugu, CA	0.017	0.365	Mar 2022	0.100	Nov 2022	0.300	Nov 2023	-		0.300	0.000	0.782	-
Developmental Test & Evaluation (DT&E)	C/BA	NSWC CO : Corona, CA	0.138	0.000		0.960	Nov 2022	0.998	Nov 2023	-		0.998	0.000	2.096	-

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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 0604366N / <i>Standard Missile Improve ments</i>	Project (Number/Name) 2063 / <i>SM-6 Blk IB</i>
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Test and Evaluation (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Developmental Test & Evaluation (DT&E)	C/BA	PMRF : Hawaii	0.010	0.000		0.000		0.000		-		0.000	0.000	0.010	-
Developmental Test & Evaluation (DT&E)	C/BA	COTF : Norfolk, VA	0.021	0.000		0.000		0.000		-		0.000	0.000	0.021	-
Developmental Test & Evaluation (DT&E)	C/BA	Dahlgren : Dahlgren, VA	0.150	0.000		0.000		0.000		-		0.000	0.000	0.150	-
Developmental Test & Evaluation (DT&E)	C/BA	BAE Systems : Fridley, MN	8.307	0.000		0.000		0.000		-		0.000	0.000	8.307	-
Developmental Test & Evaluation (DT&E)	MIPR	RAYTHEON : TEWKSBURY, MA	0.000	0.000		0.000		1.260	Dec 2023	-		1.260	0.000	1.260	-
Subtotal			39.283	1.068		49.850		48.157		-		48.157	0.000	138.358	N/A

Remarks
FY 2024 funding in the amount of \$100.100M for SM-6 Block IB Wholeness was aligned under RD TEN PE 0604366N Project Unit 3092 in error. This program funding should have been allocated to RD TEN PE 0604366N Project Unit 2063.

Management Services (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Program Management Support	C/CPFF	VARIOUS : VARIOUS	4.450	2.270	Sep 2022	13.317	Nov 2022	20.750	Nov 2023	-		20.750	Continuing	Continuing	Continuing
Contractor Engineering Support	C/BA	VARIOUS : VARIOUS	0.000	1.704	Sep 2022	2.838	Nov 2022	4.781	Nov 2023	-		4.781	0.000	9.323	-
Travel	C/BA	Not Specified : Not Specified	0.000	0.100	Mar 2022	0.200	Jun 2023	0.200	Jun 2024	-		0.200	0.000	0.500	-
Subtotal			4.450	4.074		16.355		25.731		-		25.731	Continuing	Continuing	N/A

	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		257.303	175.378	189.204	234.761	-	234.761	Continuing	Continuing	N/A

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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 0604366N / <i>Standard Missile Improve ments</i>	Project (Number/Name) 2063 / <i>SM-6 Blk IB</i>

FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

Proj 2063	
AUR IPR (pre-Critical Design Review) for CTV Demo	█
IPR-4 (Critical Design Review) for CTV Demo	█
IPR-5 (Mission Readiness for CTVs) for CTV Demo	█
CTV-1	████████████████████
Milestone Decision	█
Contract Award	█
CTV-2	██
GTV-1	██
GTV-2	██
GTV-3	██
GTV-4	██
GTV-5	██
GTV-6	██
Steering Control Section Qualification	████████████████████
Rocket Motor Development	██
Rocket Motor Qualification	██
Begin VLS Integration	█
MK 29 Mod 1 Qualification	██
Aegis Integration	██
Electronics Unit Integration Risk Reduction	████████████████████
IOC	█
FOTE	████████████████████

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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 0604366N / <i>Standard Missile Improvements</i>	Project (Number/Name) 2063 / <i>SM-6 Blk IB</i>
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	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028							
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
FOC																																

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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 0604366N / <i>Standard Missile Improve ments</i>	Project (Number/Name) 2063 / <i>SM-6 Blk IB</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 2063				
AUR IPR (pre-Critical Design Review) for CTV Demo	1	2022	1	2022
IPR-4 (Critical Design Review) for CTV Demo	4	2022	4	2022
IPR-5 (Mission Readiness for CTVs) for CTV Demo	3	2023	3	2023
CTV-1	1	2023	2	2024
Milestone Decision	4	2022	4	2022
Contract Award	1	2023	1	2023
CTV-2	2	2024	1	2026
GTV-1	1	2025	4	2026
GTV-2	3	2025	2	2027
GTV-3	3	2025	2	2027
GTV-4	2	2026	1	2028
GTV-5	4	2026	3	2028
GTV-6	4	2026	3	2028
Steering Control Section Qualification	4	2022	3	2023
Rocket Motor Development	1	2023	1	2025
Rocket Motor Qualification	1	2025	4	2025
Begin VLS Integration	3	2023	3	2023
MK 29 Mod 1 Qualification	1	2023	2	2025
Aegis Integration	1	2023	2	2025
Electronics Unit Integration Risk Reduction	3	2022	2	2023
IOC	3	2026	3	2026

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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 0604366N / <i>Standard Missile Improve ments</i>	Project (Number/Name) 2063 / <i>SM-6 Blk IB</i>
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Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
FOTE	2	2027	1	2028
FOC	4	2028	4	2028

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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 0604366N / <i>Standard Missile Improvements</i>				Project (Number/Name) 3092 / <i>Standard Missile 6 Program</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
3092: <i>Standard Missile 6 Program</i>	1,546.009	120.267	91.791	144.253	-	144.253	173.037	218.163	59.783	5.947	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This program leverages existing missile technology and advanced missile technology. It aligns missile technology roadmaps across the services (NAVSEA, NAVAIR, USAF, USMC and USA) and missile variants within the services, taking advantage of the Navy's investment in the AEGIS Weapons System (AWS) and Cooperative Engagement Capability (CEC). This missile will provide an extended range engagement capability to provide the air superiority and the umbrella of protection for joint U.S. forces and allies against the full spectrum of manned-fixed and rotary-wing aircraft, unmanned aerial vehicles, and land attack and anti-ship cruise missiles in flight. This missile contributes to the continuous protection of forward deployed ground maneuver forces as well as theater rear assets supporting mission requirements discussed in the National Security Strategy (NSS), Secretary of Defense National Defense Strategy (NDS), Chairman of the Joint Chiefs' National Military Strategy (NMS), Capstone Concept for Joint Operations (CCJO), Joint Requirements Oversight Council (JROC) Integrated Air and Missile Defense (IAMD) Initial Capability Document (ICD), the JROC IAMD Joint Integrating Concept (JIC), JROC IAMD Operational Concept; the Theater and Air Missile Defense ICD (TAMD MDA-ICD), the Chairman of the Joint Chiefs of Staff Joint IAMD Vision 2020/2030 and the Joint Publication 3-01 Countering Air and Missile Threats; the Navy's Integrated Fire Control Naval Integrating Capability Concept (NIFC-NICC), the JROC Operational Requirements Document (ORD) for SM-6 Block 1, and the JROC SM-6 Capability Production Document. SM-6 portion of Joint and Naval Integrated Fire Control (NIFC) is to support the integration, land-based and at-sea test, and analysis in support of the NIFC-CA test and evaluation strategy. NIFC-CA integrates sensor improvements, SM-6 BLK IA, CEC and AWS AEGIS Baseline 9 Capability Package 22-1 into an advanced from the sea (FTS) Kill chain. Efforts include support for the White Sands Missile Range (WSMR) upgrade, Trackex events, Integration Events and Live Fire test at land based and at-sea tests. Flight testing will continue as future Aegis builds continue to be deployed with NIFC-CA capability. SM-6 System Engineering and Flight Test (SEFT) supports the development of the guidance section software configuration. This includes the research, development, test and evaluation necessary to incorporate the software in production missiles. SM-6 funding for AEGIS integration will verify compatibility with the Aegis builds that will use the full performance of the advanced missile. Supports modifications and upgrades to the SM-6 and SM-2 Active Missile Variants Flight Instrumentation Kits to C-band and the Enhanced Flight Termination System (EFTS) upgrade. These modification and upgrades to C-Band and EFTS hardware are to support a large multi-salvo test. This includes changing the Telemetry downlink to C-Band and incorporating an Enhanced Flight Termination Receiver (EFTR) into SM-6 and SM-2. The NIFC-CA project will be incorporated into the SEFT project in FY 2025 to more efficiently implement SM-6 testing, analyses, modeling efforts. SEFT project directly supports the now completed Future Capabilities Demonstration (FCD) project high priority mission requirements requested by Combatant Commanders by improving the SM-6 Missile's capability. The project is continuing analyses and trade studies required for Fleet employment, future enhancements and expansion of the mission capabilities for the SM-6 Block IA missile and perform the necessary missile software development to support mission capability improvement. FCD was formerly its own project and has been incorporated into SEFT in FY 2023. As stated above, the NIFC-CA project will be incorporated into the SEFT project in FY 2025. The STANDARD Missile 6 Electronics Unit funding is for the design, systems engineering, analysis, integration, and test of replaced obsolete components. This effort is jointly funded with the Missile Defense Agency for a shared approach to obsolescence and improved capability in defense of the sea base. Initial funding provided for the requirements generation, risk reduction/mitigation, and establishment of development facilities necessary for the commencement of the obsolescence project. The Missile Defense Agency was the contracting office for the risk reduction/mitigation and establishment of development facilities which completed in FY 2020. The USN development effort began in FY 2021, continues through

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy	Date: March 2023
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Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604366N / <i>Standard Missile Improve ments</i>	Project (Number/Name) 3092 / <i>Standard Missile 6 Program</i>
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FY 2025 and remains a jointly funded effort with the Missile Defense Agency. This effort will deliver a SM-6 Block IAU Engineering Change Proposal in Q1 FY 2025 to continue production of SM-6 Block IA Missiles with the Upgraded Electronics Unit.

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

	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
<p>Title: Electronics Unit (EU) Obsolescence-Upgrade</p> <p align="right">Articles:</p> <p>FY 2023 Plans: Complete the Proof of Manufacturing (POM) sensor and Electronic Unit (EU) hardware builds. Complete integration of the EU into the Guidance Section (GS). In addition, provide 6 guidance section builds used as Units Under Test (UUT) to support SM6-Block IAU testing for Guidance Section Qualification, Hazard of Electromagnetic Radiation to Ordnance (HERO), Environmental Testing, Guided Test Vehicle-1 (GTV-1) and Guided Test Vehicle-2 (GTV-2) and an All up Round (AUR) production assembly pathfinder to support flight test round builds. Continue manufacturing assessments and operations support to monitor program manufacturing readiness level and execution of plan to achieve Manufacturing Readiness Level (MRL) 7 in support of transition to production efforts. Complete tactical software builds and Functional Qualification Test (FQT) of software to support GTV-1 and GTV-2. Continue Test and Evaluation Working Group activities, planning and coordination with test range and data collection leads, engineering teams and their support organizations in preparation for conduct of GTV-1 (Q2 FY 2024) and GTV-2 (Q3 FY 2024) test events. Begin planning/coordination activities with same organizations for At-Sea 1 Flight Test (Q1 FY 2025).</p> <p>FY 2024 Base Plans: Complete guidance section builds for 6 GS UUTs used to support build of SM-6 BLK IAU Flight test rounds. Complete Manufacturing assessments and operations support and achieve Manufacturing Readiness Level (MRL) 7 in support of Transition to production efforts. Complete tactical software builds and Functional Qualification Test (FQT) of software for GTV-2 and At-Sea-1 Flight test. Continue Test and Evaluation Working Group activities, planning and coordination with Test range and data collection leads, engineering teams and their support organizations. Complete GTV-1 (Q2FY 2024) and GTV-2 (Q3 FY 2024). Continue to prepare for At-Sea 1 Flight Test (Q1 FY 2025) and prepare Technical Data Package for the SM-6 BLK IAU production ECP for delivery in Q1 FY 2025. Support execution of SM-6 Blk IB EMD in FY 2024 as described in 2063 FY 2024 Base plans.</p> <p>FY 2024 funding in the amount of \$100.100M for SM-6 Block IB Wholeness was aligned under RDTEN PE 0604366N Project Unit 3092 in error. This program funding should have been allocated to RDTEN PE 0604366N Project Unit 2063. In addition, FY 2024 funding in the amount of \$12.600M in Standard Missile Electronics Unit</p>	68.103	70.597	139.552	0.000	139.552
	-	-	-	-	-

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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 0604366N / <i>Standard Missile Improve ments</i>		Project (Number/Name) 3092 / <i>Standard Missile 6 Program</i>	
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)					
Continue planning for future flight testing of Aegis Baselines. Continue providing analysis and support for fleet implementation of the mission expansion capabilities. Plan to combine SEFT and Naval Integrated Fire Control - Counter-Air in FY 2025.					
FY 2024 OCO Plans: N/A					
FY 2023 to FY 2024 Increase/Decrease Statement: The decrease of \$16.515M from FY 2023 to FY 2024 is due to the progress of AEGIS Build 9 Capability Package 22-1 and the completion of C-Band telemetry Guided Test Vehicle Event.					
Title: Naval Integrated Fire Control - Counter Air (NIFC-CA)					
Articles:					
	2.935	3.406	3.428	0.000	3.428
	-	-	-	-	-
FY 2023 Plans: Continue supporting increment two (2) System of Systems (SOS) integration and test activities and commence work for SM-6 BLK I and IA NIFC-CA related upgrades to include modeling needed to support NIFC-CA assessment and testing.					
FY 2024 Base Plans: Continue supporting increment two (2) System of Systems (SOS) integration and test activities commence work for SM-6 BLK I and IA NIFC-CA related software upgrades. Support test events At-Sea 10 and Live Fire Test 10. Plan to incorporate NIFC-CA project into SEFT in FY 2025.					
FY 2024 OCO Plans: N/A					
FY 2023 to FY 2024 Increase/Decrease Statement: The increase of \$0.022M from FY 2023 to FY 2024 is due to the of Increment modeling and simulation and flight test (At Sea 10) activities being conducted in FY 2024.					
Title: Future Capability Demonstration (FCD)					
Articles:					
	1.002	0.000	0.000	0.000	0.000
	-	-	-	-	-
FY 2023 Plans: Incorporated into SEFT					
FY 2024 Base Plans:					

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy	Date: March 2023
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Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604366N / <i>Standard Missile Improvements</i>	Project (Number/Name) 3092 / <i>Standard Missile 6 Program</i>
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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
Incorporated into SEFT					
FY 2024 OCO Plans: N/A					
Accomplishments/Planned Programs Subtotals	120.267	91.791	144.253	0.000	144.253

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>
• WPN 2234: <i>Standard Missile</i>	598.826	572.040	969.525	-	969.525	963.877	1,404.090	1,274.824	1,270.011	6,264.788	18,103.274
• WPN 2234C: <i>Standard Missile</i>	45.357	0.000	227.320	-	227.320	127.830	0.000	0.000	0.000	0.000	688.991

Remarks
 BLI 2234C is the Advanced Procurement. A portion of 2234 is used toward the BLK I/IA procurement. FY 2024 funding in the amount of \$12.600M in Standard Missile Electronics Unit (EU) Obsolescence was allocated to WPN LI 2234 in error. This program funding should have been allocated to RD TEN PE 0604366N, Project Unit 3092, to address this obsolescence and complete the SM-6 BLK IA effort.

D. Acquisition Strategy
 SM-6 Acquisition Strategy signed by OSD AT&L 14 March 2012; SM-6 Block IA Acquisition Strategy change pages signed by ASN RDA 01 July 2022; SM-6 Block IB Acquisition Strategy signed by ASN RDA

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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 0604366N / <i>Standard Missile Improve ments</i>	Project (Number/Name) 3092 / <i>Standard Missile 6 Program</i>
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Product Development (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Design & Analysis	C/CPFF	RAYTHEON : Tucson, AZ	806.170	30.761	Nov 2021	0.000		20.816	Nov 2023	-		20.816	Continuing	Continuing	Continuing
Design & Analysis	C/CPFF	JHU/APL : Laurel MD	72.073	9.402	Nov 2021	0.000	Jun 2023	3.500	Jun 2024	-		3.500	0.000	84.975	-
Design & Analysis	MIPR	MIT/Lin Lab : Lexington, MA	0.550	0.000		0.000		0.000		-		0.000	0.000	0.550	-
Design & Analysis	WR	NAWC : China Lake/ Techrep	13.894	0.254	Nov 2021	0.000		0.250	Nov 2023	-		0.250	0.000	14.398	-
Design & Analysis	WR	NSWC : Dahlgren	13.988	1.432	Nov 2021	0.000		1.800	Nov 2023	-		1.800	0.000	17.220	-
Design & Analysis	WR	NSWC : Indian Head	3.942	0.000		0.000		0.000		-		0.000	0.000	3.942	-
Design & Analysis	WR	NSWC : PHD	12.940	0.161	Nov 2021	0.000		0.150	Nov 2023	-		0.150	0.000	13.251	-
Design & Analysis	WR	NSWC : Crane	1.256	0.000		0.000		0.000		-		0.000	0.000	1.256	-
Design & Analysis	MIPR	JSPO : Eglin AFB	24.049	0.000		0.000		0.000		-		0.000	0.000	24.049	-
Design & Analysis	C/CPFF	LOCKHEED Martin : Moorestown, NJ	6.724	0.000		0.000		0.000		-		0.000	0.000	6.724	-
Design & Analysis	WR	NSWC : Corona	26.186	3.015	Nov 2021	0.000		0.000		-		0.000	0.000	29.201	-
Design & Analysis	Reqn	ONR : Arlington, VA	5.320	0.000		0.000		0.000		-		0.000	0.000	5.320	-
Design & Analysis	Reqn	NRL : Washington, DC	0.140	0.000		0.000		0.000		-		0.000	0.000	0.140	-
Design & Analysis	WR	COMPTEVFOR : Norfolk, VA	2.620	0.000		0.000		0.000		-		0.000	0.000	2.620	-
Design & Analysis	WR	CARDEROCK : Philadelphia, PA	4.058	0.000		0.000		0.000		-		0.000	0.000	4.058	-
Design & Analysis	WR	NSWC : Pt Mugu	1.643	0.000		0.000		0.000		-		0.000	0.000	1.643	-
Design & Analysis	C/CPFF	BAE : Rockville, MD	6.486	0.000		0.000		0.000		-		0.000	0.000	6.486	-
Design & Analysis	MIPR	ARMY : Redstone	0.350	0.000		0.000		0.000		-		0.000	0.000	0.350	-
Design & Analysis	WR	NAWCAD : Pax River, MD	3.762	0.000		0.000		0.000		-		0.000	0.000	3.762	-
Design & Analysis	C/CPFF	CORVID : Mooresville, NC	15.970	0.000		0.000		0.000		-		0.000	0.000	15.970	-

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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 0604366N / Standard Missile Improve ments	Project (Number/Name) 3092 / Standard Missile 6 Program
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Product Development (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Design & Analysis	C/CPFF	RNB : Arlington, VA	0.010	0.000		0.000		0.000		-		0.000	0.000	0.010	-
Design & Analysis	WR	SPAWAR : Arlington, VA	0.007	0.000		0.000		0.000		-		0.000	0.000	0.007	-
Design & Analysis	WR	ARMY : Cecom	0.066	0.000		0.000		0.000		-		0.000	0.000	0.066	-
Design & Analysis	C/FP	GENERAL DYNAMICS : Falls Church, VA	1.660	0.000		0.000		0.000		-		0.000	0.000	1.660	-
Design & Analysis	WR	VARIOUS : (IWS 1A)	130.356	0.000		0.000		2.000	Nov 2023	-		2.000	0.000	132.356	-
Design & Analysis	WR	VARIOUS : (VLS)	26.024	0.000		0.000		0.000		-		0.000	0.000	26.024	-
Design & Analysis	WR	NSWC : WSMR	2.200	0.000		0.000		0.000		-		0.000	0.000	2.200	-
Design & Analysis	WR	PMRF : Hawaii	3.856	0.000		0.000		0.000		-		0.000	0.000	3.856	-
Design & Analysis	WR	DOI : Washington D.C.	0.000	0.000		0.000		0.000		-		0.000	0.000	0.000	-
Design & Analysis	C/CPFF	IWS 3A : Arlington, VA	87.223	71.203	Nov 2021	64.504	Nov 2022	0.000		-		0.000	0.000	222.930	-
Design & Analysis	WR	NSMA : PU 2063	0.000	0.000		0.000		100.100	Nov 2023	-		100.100	0.000	100.100	-
Subtotal			1,273.523	116.228		64.504		128.616		-		128.616	Continuing	Continuing	N/A

Remarks
 FY 2024 funding in the amount of \$100.100M for SM-6 Block IB Wholeness was aligned under RDTEN PE 0604366N Project Unit 3092 in error. This program funding should have been allocated to RDTEN PE 0604366N Project Unit 2063. This FY 2024 funding will be applied to NSMA SM-6 Block IB BMD efforts.

Test and Evaluation (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Developmental Test & Evaluation (DT&E)	WR	NSWC : Port Hueneme	9.641	0.000		0.208	Nov 2022	0.208	Nov 2023	-		0.208	0.000	10.057	-
Developmental Test & Evaluation (DT&E)	WR	NSWC : WSMR	33.200	0.000		0.500	Nov 2022	3.450	Nov 2023	-		3.450	0.000	37.150	-

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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 0604366N / <i>Standard Missile Improve ments</i>	Project (Number/Name) 3092 / <i>Standard Missile 6 Program</i>
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Test and Evaluation (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Developmental Test & Evaluation (DT&E)	WR	PMRF : Hawaii	47.601	0.000		0.000		0.006	Nov 2023	-		0.006	0.000	47.607	-
Developmental Test & Evaluation (DT&E)	WR	NAWC : Pt Mugu	6.066	0.000		0.035	Nov 2022	0.842	Nov 2023	-		0.842	0.000	6.943	-
Developmental Test & Evaluation (DT&E)	C/CPAF	RAYTHEON : Tucson, AZ	52.617	0.000		12.103	Nov 2022	1.465	Nov 2023	-		1.465	0.000	66.185	-
Developmental Test & Evaluation (DT&E)	C/CPFF	JHU/APL : Laurel, MD	20.180	0.000		0.577	Nov 2022	0.350	Nov 2023	-		0.350	0.000	21.107	-
Developmental Test & Evaluation (DT&E)	WR	NSWC : Corona	18.563	0.000		4.828	Nov 2022	1.882	Nov 2023	-		1.882	0.000	25.273	-
Developmental Test & Evaluation (DT&E)	WR	NSWC : Dahlgren	3.765	0.000		0.860	Nov 2022	0.860	Nov 2023	-		0.860	0.000	5.485	-
Developmental Test & Evaluation (DT&E)	WR	VLS : Arlington, VA	2.369	0.000		0.000		0.000		-		0.000	0.000	2.369	-
Developmental Test & Evaluation (DT&E)	WR	COMPTEVFOR : Norfolk, Va	2.119	0.000		0.078	Nov 2022	0.000		-		0.000	0.000	2.197	-
Developmental Test & Evaluation (DT&E)	WR	VARIOUS : (IWS 1A)	6.033	0.000		0.350	Nov 2022	0.000		-		0.000	0.000	6.383	-
Developmental Test & Evaluation (DT&E)	WR	NSWC : Carderock	2.580	0.000		0.000		0.000		-		0.000	0.000	2.580	-
Developmental Test & Evaluation (DT&E)	WR	NAWC : China Lake	10.419	0.000		0.398	Nov 2022	0.000		-		0.000	0.000	10.817	-
Developmental Test & Evaluation (DT&E)	WR	ONR : Arlington, Va	3.425	0.000		0.000		0.000		-		0.000	0.000	3.425	-
Developmental Test & Evaluation (DT&E)	WR	DOI : Washington D.C.	0.545	0.000		0.000		0.000		-		0.000	0.000	0.545	-
Subtotal			219.123	0.000		19.937		9.063		-		9.063	0.000	248.123	N/A

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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 0604366N / <i>Standard Missile Improve ments</i>	Project (Number/Name) 3092 / <i>Standard Missile 6 Program</i>

	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Proj 3092																												
NIFC-CA Live Fire Test 8	■																											
NIFC-CA At-Sea Test 8			■																									
NIFC-CA At-Sea Test 10											■																	
NIFC-CA Test (1)														■														
NIFC-CA Test (2)														■														
NIFC-CA Test (3)																			■									
NIFC-CA Test (4)																				■								
NIFC-CA Test (5)																					■							
NIFC-CA Test (6)																						■						
System Engineering and Flight Test SM-6 Block IA Software Upgrade Flt Test				■																								
System Engineering and Flight Test AEGIS Baseline 9 (1)																						■						
System Engineering and Flight Test AEGIS Baseline 9 (2)																												
C-Band and Enhanced Flight Termination System Critical Design Review				■																								
C-Band and Enhanced Flight Termination System Qualification Test																												
C-Band and Enhanced Flight Termination Ground Test Vehicle Event and Report																												
C-Band and EFT Sys Transition and FY24 FTR ISO DDG 51 FLT III CSSQT Flight Test																												
DDG 51 FLT III Combat System Ships Qualification Trials																												

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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 0604366N / <i>Standard Missile Improve ments</i>	Project (Number/Name) 3092 / <i>Standard Missile 6 Program</i>
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	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

Electronics Unit Critical Design Review	■																											
Electronics Unit Guided Test Vehicle Test (1)	■																											
Electronics Unit Guided Test Vehicle Test (2)	■																											
Electronics Unit At-Sea Test	■																											
Electronics Unit Engineering Change Proposal for Production	■																											

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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 0604366N / <i>Standard Missile Improve ments</i>	Project (Number/Name) 3092 / <i>Standard Missile 6 Program</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 3092				
NIFC-CA Live Fire Test 8	1	2022	1	2022
NIFC-CA At-Sea Test 8	3	2022	3	2022
NIFC-CA At-Sea Test 10	4	2024	4	2024
NIFC-CA Test (1)	2	2025	2	2025
NIFC-CA Test (2)	3	2025	3	2025
NIFC-CA Test (3)	2	2026	2	2026
NIFC-CA Test (4)	3	2026	3	2026
NIFC-CA Test (5)	2	2027	2	2027
NIFC-CA Test (6)	3	2027	3	2027
System Engineering and Flight Test SM-6 Block IA Software Upgrade Flt Test	4	2022	4	2022
System Engineering and Flight Test AEGIS Baseline 9 (1)	4	2023	4	2023
System Engineering and Flight Test AEGIS Baseline 9 (2)	4	2024	4	2024
C-Band and Enhanced Flight Termination System Critical Design Review	3	2022	3	2022
C-Band and Enhanced Flight Termination System Qualification Test	4	2022	3	2023
C-Band and Enhanced Flight Termination Ground Test Vehicle Event and Report	3	2023	4	2023
C-Band and EFT Sys Transition and FY24 FTR ISO DDG 51 FLT III CSSQT Flight Test	4	2023	2	2024
DDG 51 FLT III Combat System Ships Qualification Trials	2	2024	4	2024
Electronics Unit Critical Design Review	1	2022	1	2022
Electronics Unit Guided Test Vehicle Test (1)	2	2024	2	2024
Electronics Unit Guided Test Vehicle Test (2)	3	2024	3	2024

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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 0604366N / <i>Standard Missile Improve ments</i>	Project (Number/Name) 3092 / <i>Standard Missile 6 Program</i>
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Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Electronics Unit At-Sea Test	1	2025	1	2025
Electronics Unit Engineering Change Proposal for Production	1	2025	1	2025