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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 0605450M / <i>Joint Air-to-ground Missile (JAGM)</i>
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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	32.906	0.364	0.384	20.654	-	20.654	62.645	68.361	52.423	29.884	Continuing	Continuing
1110: <i>Long Range Attack Missile (LRAM)</i>	0.000	0.000	0.000	20.261	-	20.261	62.242	67.951	52.005	29.457	Continuing	Continuing
2211: <i>Joint Air-to-Ground Missile</i>	32.906	0.364	0.384	0.393	-	0.393	0.403	0.410	0.418	0.427	0.000	35.705

Program MDAP/MAIS Code:
Project MDAP/MAIS Code(s): P355

Note
 Prior to FY 2019, funding for Joint Air-to-Ground Missile (JAGM) was aligned to PE 0605450N.
 Prior to FY 2025, funding for Long Range Attack Missile (LRAM) was aligned to PE 0604212M.

A. Mission Description and Budget Item Justification

The Joint Air-to-Ground Missile (JAGM) is an air-launched missile system that utilizes dual-mode seeker technology thus providing advanced line-of-sight and beyond-line-of-sight capabilities, including precision point and fire-and-forget seeker targeting and increased lethality against soft, hardened, moving, stationary, land, maritime threats. JAGM provides robust capability in adverse weather, day or night and in obscured/countermeasure environments. The JAGM Increment 1 system replaces aviation-launched, tube-launched, optically-tracked, wire-guided (TOW), and Helicopter Launched Fire-&-Forget Missile (HELLFIRE) Systems. JAGM is an Army-led joint program that addresses rotary wing, fixed wing, and unmanned aerial vehicle requirements. Funding includes support of platform integration activities of the AH-1Z, the Department of Navy threshold platform for the JAGM integration. The JAGM system includes missiles, trainers, containers, support equipment and software modifications to the M-299 launcher. Future JAGM follow on efforts could include extending the weapon's range, developing a fixed wing variant, and developing potential follow on increments.

The JAGM program is part of the Navy's Integrated Fire Control (IFC) approach to address advanced threat capabilities in the Anti-Access/Area-Denial (A2AD) environment. IFC solutions enable individual system capabilities to be leveraged across an effects chain, placing the full spectrum of tactical capability in the hands of the warfighter. IFC solutions that push engagement distances beyond the launch platform's radar horizon and allow the United States Navy to operate in, and control, contested battle space in littoral waters and A2/AD environments are increasingly critical as more and more scenarios require compressed and coordinated fire control timelines.

Long Range Attack Missile (LRAM) - Development of new network-enabled, long-range precision strike weapon capable of deterring and destroying maritime and land-based employment at ranges of 150 nautical miles (NM). LRAM builds off of the subsystem maturation, integration, and demonstration efforts of the LRAM Joint Capability Technology Demonstration (JCTD). LRAM will be employed from a low-altitude rotary wing platform or vertical take-off and landing (VTOL) cooperative shooter (currently AH-1Z with potential to employment from H-60, MQ-9, and VTOL FoS aircraft) to provide asymmetric advantages in range, stand-off and lethality. LRAM is designed with a Weapons Open System Architecture (WOSA) to form fit multiple types of payloads based on mission (kinetic or sensory), using common rail

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Appropriation/Budget Activity 1319: <i>Research, Development, Test & Evaluation, Navy / BA 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0605450M / <i>Joint Air-to-ground Missile (JAGM)</i>
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mounting systems and launchers to simplify logistics requirements. LRAM aircraft integration will be via the Marine Air-Ground Tablet (MAGTAB) which will reduce the cost of traditional high-cost aircraft integration efforts.

JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under system development and demonstration because it includes those projects that have passed Milestone B approval and are conducting engineering and manufacturing development tasks aimed at meeting validated requirement prior to full-rate production decision.

B. Program Change Summary (\$ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	0.371	0.384	0.393	-	0.393
Current President's Budget	0.364	0.384	20.654	-	20.654
Total Adjustments	-0.007	0.000	20.261	-	20.261
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.001	0.000			
• SBIR/STTR Transfer	-0.006	0.000			
• Program Adjustments	0.000	0.000	20.266	-	20.266
• Rate/Misc Adjustments	0.000	0.000	-0.005	-	-0.005

Change Summary Explanation

PU 1110

- FY 2025 Program adjustment provided \$20.261M of funding for LRAM efforts
- Program Accomplishments and schedule were created to support the LRAM effort

PU 2211

- Changes in schedule milestone dates were required to address technical issues with the AH-1Z platform software
- FRP 2 contract award moved from 3Q FY 2023 to 4Q FY 2023
- FRP 3 contract award moved from 4Q FY2024 to 2Q FY2024
- LRIP V and FRP delivery periods revised to reflect updated FRP contract award dates

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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 0605450M / Joint Air-to-ground Missile (JAGM)				Project (Number/Name) 1110 / Long Range Attack Missile (LRAM)			
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
1110: Long Range Attack Missile (LRAM)	0.000	0.000	0.000	20.261	-	20.261	62.242	67.951	52.005	29.457	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

Note

Prior to FY 2025, LRAM efforts were funded under PE 0604212M, PU 3406.

A. Mission Description and Budget Item Justification

Long Range Attack Missile (LRAM) - development of new network enabled, long-range precision strike weapon capable of deterring and destroying maritime and land-based employment at ranges of 150 NM. LRAM builds off of the subsystem maturation, integration, and demonstration efforts of the LRAM Joint Capability Technology Demonstration (JCTD). LRAM will be employed from a low-altitude rotary wing platform or vertical take-off and landing (VTOL) cooperative shooter (currently AH-1Z with potential to employment from H-60, MQ-9, and VTOL FoS aircraft) to provide asymmetric advantages in range, stand-off and lethality. LRAM is designed with a Weapons Open System Architecture (WOSA) to form fit multiple types of payloads based on mission (kinetic or sensory), using common rail mounting systems and launchers to simplify logistics requirements. LRAM aircraft integration will be via the Marine Air-Ground Tablet (MAGTAB) which will reduce the cost of traditional high-cost aircraft integration efforts.

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 Development	0.000	0.000	14.850	0.000	14.850
Articles:	-	-	-	-	-
FY 2024 Plans: N/A					
FY 2025 Base Plans: FY 2025 product development funding commence Engineering, Manufacturing, Developmental (EMD) efforts focused on finalizing product design from the JCTD effort and warhead development efforts.					
FY 2025 OCO Plans: N/A					
FY 2024 to FY 2025 Increase/Decrease Statement: Increase of \$14.850M from FY 2024 to FY 2025 is due to commencing the LRAM EMD and warhead development efforts.					
Title: Test and Evaluation	0.000	0.000	1.500	0.000	1.500

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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 0605450M / Joint Air-to-ground Missile (JAGM)	Project (Number/Name) 1110 / Long Range Attack Missile (LRAM)

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
<p align="right">Articles:</p> <p>FY 2024 Plans: N/A</p> <p>FY 2025 Base Plans: FY 2025 funding will support initial DT&E test plan development efforts.</p> <p>FY 2025 OCO Plans: N/A</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Increase of \$1.500M from FY 2024 to FY 2025 is due to commencing DT&E test planning efforts.</p>	-	-	-	-	-
<p>Title: Management Services</p> <p align="right">Articles:</p> <p>FY 2024 Plans: N/A</p> <p>FY 2025 Base Plans: FY 2025 funding for program management efforts supporting the initiation and management of the LRAM EMD contract.</p> <p>FY 2025 OCO Plans: N/A</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Increase of \$1.550M from FY 2024 to FY 2025 is due to commencing program management efforts supporting the LRAM EMD efforts.</p>	0.000 -	0.000 -	1.550 -	0.000 -	1.550 -
<p>Title: Support</p> <p align="right">Articles:</p> <p>FY 2024 Plans: N/A</p> <p>FY 2025 Base Plans:</p>	0.000 -	0.000 -	2.361 -	0.000 -	2.361 -

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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 0605450M / Joint Air-to-ground Missile (JAGM)	Project (Number/Name) 1110 / Long Range Attack Missile (LRAM)

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
FY 2025 funding for integrated logistics support efforts supporting the LRAM EMD contract. FY 2025 OCO Plans: N/A FY 2024 to FY 2025 Increase/Decrease Statement: Increase of \$2.361M from FY 2024 to FY 2025 is due to commencing integrated logistics support efforts supporting the LRAM EMD efforts.					
Accomplishments/Planned Programs Subtotals	0.000	0.000	20.261	0.000	20.261

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
• WPN/2295: Long Range Attack Missile (LRAM)	0.000	0.000	0.000	-	0.000	0.000	4.000	18.343	49.936	0.000	72.279

Remarks

D. Acquisition Strategy

A rapid prototyping Middle Tier Acquisition (MTA) Strategy pursuant to FY 2016 NDAA Section 804 is being used to award an EMD Contract based on JCTD study for the continued development of the vehicle prototype and System Development Test Articles (SDTAs). The MTA pathway enables the rapid development of LRAM fieldable prototypes that demonstrate new capabilities, and/or rapidly field LRAM production quantities with proven technologies that require minimal development.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy												Date: March 2024				
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)								
1319 / 5				PE 0605450M / Joint Air-to-ground Missile (JAGM)				1110 / Long Range Attack Missile (LRAM)								
Product Development (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
EMD Contract	C/CPFF	TBD : TBD	0.000	0.000		0.000		11.350	Nov 2024	-		11.350	Continuing	Continuing	Continuing	
Warhead Development	WR	NAWCWD : China Lake, CA	0.000	0.000		0.000		2.500	Nov 2024	-		2.500	Continuing	Continuing	Continuing	
Launcher Development	WR	NAWCAD : Patuxent River, MD	0.000	0.000		0.000		1.000	Nov 2024	-		1.000	Continuing	Continuing	Continuing	
Subtotal			0.000	0.000		0.000		14.850		-		14.850	Continuing	Continuing	N/A	
Support (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Integrated Logistics Support (ILS)	WR	NAWCWD : China Lake, Ca	0.000	0.000		0.000		0.561	Nov 2024	-		0.561	Continuing	Continuing	Continuing	
Integrated Logistics Support (ILS)	WR	NAWCAD : Patuxent River, MD	0.000	0.000		0.000		1.800	Nov 2024	-		1.800	Continuing	Continuing	Continuing	
Subtotal			0.000	0.000		0.000		2.361		-		2.361	Continuing	Continuing	N/A	
Test and Evaluation (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Developmental Test & Evaluation (DT&E)	WR	Various : Various	0.000	0.000		0.000		1.500	Jun 2025	-		1.500	Continuing	Continuing	Continuing	
Subtotal			0.000	0.000		0.000		1.500		-		1.500	Continuing	Continuing	N/A	
Management Services (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Program Management	WR	NAWCAD : Patuxent River, MD	0.000	0.000		0.000		1.500	Nov 2024	-		1.500	Continuing	Continuing	Continuing	

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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 0605450M / Joint Air-to-ground Missile (JAGM)	Project (Number/Name) 1110 / Long Range Attack Missile (LRAM)

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
LRAM				
Acquisition Milestones: IOC	3	2028	3	2028
Acquisition Milestones: Production Decision	4	2026	4	2026
Development: EMD Contract	1	2025	4	2029
Test and Evaluation: DT/OT	3	2025	4	2027
Test and Evaluation: Correction of Deficiencies	1	2028	4	2029
Production Milestones: Contract Awards: EMD Contract Award	1	2025	1	2025
Production Milestones: Contract Awards: FY27 Production Contract Award	3	2027	3	2027
Production Milestones: Contract Awards: FY28 Production Contract Award	3	2028	3	2028
Production Milestones: Contract Awards: FY29 Production Contract Award	3	2029	3	2029

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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 0605450M / Joint Air-to-ground Missile (JAGM)	Project (Number/Name) 2211 / Joint Air-to-Ground Missile
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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
2211: Joint Air-to-Ground Missile	32.906	0.364	0.384	0.393	-	0.393	0.403	0.410	0.418	0.427	0.000	35.705
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

Project MDAP/MAIS Code: P355

Note
Prior to FY 2019, funding for Joint Air-to-Ground Missile (JAGM) was aligned to PE 0605450N.

A. Mission Description and Budget Item Justification

The Joint Air-to-Ground Missile (JAGM) is an air-launched missile system that utilizes dual-mode seeker technology thus providing advanced line-of-sight and beyond-line-of-sight capabilities, including precision point and fire-and-forget seeker targeting and increased lethality against soft, hardened, moving, stationary, land, maritime threats. JAGM provides robust capability in adverse weather, day or night and in obscured/countermeasure environments. The JAGM Increment 1 system will replace aviation-launched; tube-launched, optically-tracked, wire-guided (TOW), and Helicopter Launched Fire-&Forget Missile (HELLFIRE) Systems. Later increments of JAGM will be fixed wing compatible. JAGM is an Army-led joint program that addresses rotary wing, fixed wing and unmanned aerial vehicle requirements. The Department of Navy threshold platform is the AH-1Z. The JAGM system includes missile, trainers, containers, support equipment and software modifications to the M-299 launcher.

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

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: JAGM Development Efforts	0.364	0.384	0.393	0.000	0.393
Articles:	-	-	-	-	-
FY 2024 Plans: FY 2024 funding will cover continued software correction of deficiencies and associated airworthiness engineering/logistics support and any required test validation including integration testing, operation testing and cyber testing. Commence efforts to assess feasibility of follow on JAGM Increment 1 weapon system and JAGM Increment 1 upgrades.					
FY 2025 Base Plans: FY 2025 funding will cover software correction of deficiencies, testing to mitigate safety risks and the associated engineering and logistics support, as well as regression and validation testing. Feasibility studies for Increment 1 upgrades to continue. Commence investigation into independent JAGM mission planning module.					
FY 2025 OCO Plans:					

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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 0605450M / Joint Air-to-ground Missile (JAGM)	Project (Number/Name) 2211 / Joint Air-to-Ground Missile

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
N/A					
FY 2024 to FY 2025 Increase/Decrease Statement: Increase of \$0.009M from FY 2024 to FY 2025 is due to the commencement of JAGM mission planning module investigation.					
Accomplishments/Planned Programs Subtotals	0.364	0.384	0.393	0.000	0.393

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
• RDT&E ARMY, 0605450A: JAGM	2.292	3.014	3.030	-	3.030	0.000	0.000	0.000	0.000	Continuing	Continuing
• MPA, ARMY, C70302: JAGM	216.030	303.409	47.582	-	47.582	192.134	176.011	181.864	183.683	5,021.811	7,434.271
• WPN/2248: Joint Air Ground Missile (JAGM)	78.395	79.292	76.838	-	76.838	80.663	88.328	94.017	91.636	751.272	1,556.792

Remarks

D. Acquisition Strategy

The Joint Air-to-Ground Missile (JAGM) system is an ACAT-1C Joint Army/Navy Major Defense Acquisition Program (MDAP) with the Army designated as lead service. Milestone B was achieved in July 2015 with Milestone C achieved June 2018. The Engineering, Manufacturing and Development contract was a full and open competition and was awarded July 2015. The vendor, Lockheed Martin, is responsible for the production of a technically mature and fully producible JAGM Guidance Section (GS) as well as the integration of the GS with the current HELLFIRE-R missile warhead and motor section for Increment 1 capability. The Army is responsible for the development and production of the JAGM missile and integration on the AH-64 Apache. The Navy is responsible for integration of the JAGM on the United States Marine Corps AH-1Z which achieved an Initial Operational Capability (IOC) in March 2022.

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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 0605450M / Joint Air-to-ground Missile (JAGM)	Project (Number/Name) 2211 / Joint Air-to-Ground Missile
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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			
Systems Engineering	WR	NAWCWD : China Lake, CA	2.341	0.042	Nov 2022	0.046	Nov 2023	0.050	Nov 2024	-		0.050	0.166	2.645	-
Systems Engineering	WR	NAWCAD : Patuxent River, MD	1.996	0.067	Nov 2022	0.072	Nov 2023	0.225	Nov 2024	-		0.225	0.130	2.490	-
Contractor Integration & Test	C/FFP	Lockheed Martin : Orlando, FL	2.014	0.000		0.000		0.000		-		0.000	0.000	2.014	2.014
Contractor Integration & Test	Various	Various : Various	0.000	0.150	Mar 2023	0.115	Mar 2024	0.000		-		0.000	1.273	1.538	-
Trade Studies	Various	Various : Various	0.000	0.000		0.047	Mar 2024	0.050	Mar 2025	-		0.050	0.089	0.186	-
Prior year Product Development costs no longer in FYDP	Various	Various : Various	3.938	0.000		0.000		0.000		-		0.000	0.000	3.938	-
Subtotal			10.289	0.259		0.280		0.325		-		0.325	1.658	12.811	N/A

Remarks
Aircraft Integration and Integration & Test included in Prior year Production Development costs no longer funded in the FYDP.

Support (\$ 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			
Integrated Logistics Support	WR	NAWCWD : China Lake, CA	0.642	0.030	Nov 2022	0.033	Nov 2023	0.020	Nov 2024	-		0.020	0.000	0.725	-
Integrated Logistics Support	WR	NAWCAD : Patuxent River, MD	0.196	0.030	Nov 2022	0.031	Nov 2023	0.000		-		0.000	0.000	0.257	-
Prior year Support cost no longer in FYDP	Various	Various : Various	4.070	0.000		0.000		0.000		-		0.000	0.000	4.070	-
Subtotal			4.908	0.060		0.064		0.020		-		0.020	0.000	5.052	N/A

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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 0605450M / Joint Air-to-ground Missile (JAGM)	Project (Number/Name) 2211 / Joint Air-to-Ground Missile
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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			
Operational Test & Evaluation (OT&E)	Various	Various : Various	1.314	0.030	Nov 2022	0.035	Nov 2023	0.043	Nov 2024	-		0.043	0.000	1.422	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	Various	Various : Various	13.467	0.000		0.000		0.000		-		0.000	0.000	13.467	-
Subtotal			14.781	0.030		0.035		0.043		-		0.043	0.000	14.889	N/A

Remarks
Test & Evaluation at NAWCAD, NAWCWD and USMC: MCAS Yuma included in Prior year Test & Evaluation costs no longer funded in the FYDP.

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			
Management Services	Various	NAWCAD : Patuxent River, MD	0.708	0.015	Nov 2022	0.000		0.000		-		0.000	0.000	0.723	-
Travel	Various	NAWCAD : Patuxent River, MD	0.217	0.000		0.005	Nov 2023	0.005	Nov 2024	-		0.005	0.000	0.227	-
Prior Year Contractor Support	Various	Various : Various	2.003	0.000		0.000		0.000		-		0.000	0.000	2.003	-
Subtotal			2.928	0.015		0.005		0.005		-		0.005	0.000	2.953	N/A

Remarks
Contractor Eng Support - ETS (NONFFRDC) included in Prior Year Contractor Support costs no longer funded in the FYDP.

	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals		32.906	0.364	0.384	0.393	0.393	1.658	35.705	N/A

Remarks
1) Program acquisition milestones (minus unique Initial Operating Capability) and production milestones are joint program milestones for both Army and Navy.

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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 0605450M / Joint Air-to-ground Missile (JAGM)	Project (Number/Name) 2211 / Joint Air-to-Ground Missile
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		FY23				FY24				FY25				FY26				FY27				FY28				FY29			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Milestones	INCR 1 JAGM PRODUCTION & DEPLOYMENT PHASE																												
		FRP-1 ▽	FRP-2 ▽		FRP-3 ▽				FRP-4 ▽					FRP-5 ▽					FRP-6 ▽					FRP-7 ▽				FRP-8 ▽	
		LRIP IIIB	LRIP IV Deliveries			LRIP V Deliveries			FRP-1 Deliveries			FRP-2 Deliveries			FRP-3 Deliveries			FRP-4 Del			FRP-5 Del								
Current AH-1Z Integration Schedule	AH-1Z																												
		Correction & Integration of Software Deficiencies																											

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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 0605450M / Joint Air-to-ground Missile (JAGM)	Project (Number/Name) 2211 / Joint Air-to-Ground Missile

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
JAGM				
AH-1Z Integration: Correction and Integration of Software Deficiencies	1	2023	4	2029
Production Milestones: Contract Awards: FRP 1 (WPN)	2	2023	2	2023
Production Milestones: Contract Awards: FRP 2 (WPN)	4	2023	4	2023
Production Milestones: Contract Awards: FRP 3 (WPN)	2	2024	2	2024
Production Milestones: Contract Awards: FRP 4(WPN)	2	2025	2	2025
Production Milestones: Contract Awards: FRP 5 (WPN)	3	2026	3	2026
Production Milestones: Contract Awards: FRP 6 (WPN)	3	2027	3	2027
Production Milestones: Contract Awards: FRP 7 (WPN)	3	2028	3	2028
Production Milestones: Contract Awards: FRP 8 (WPN)	3	2029	3	2029
Production Milestones: Deliveries: LRIP 3B (WPN)	1	2023	2	2023
Production Milestones: Deliveries: LRIP 4 (WPN)	2	2023	2	2024
Production Milestones: Deliveries: LRIP 5 (WPN)	3	2024	1	2025
Production Milestones: Deliveries: FRP 1 (WPN)	2	2025	4	2025
Production Milestones: Deliveries: FRP 2 (WPN)	1	2026	4	2026
Production Milestones: Deliveries: FRP 3 (WPN)	1	2027	4	2027
Production Milestones: Deliveries: FRP 4 (WPN)	1	2028	4	2028
Production Milestones: Deliveries: FRP 5 (WPN)	1	2029	4	2029