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Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Navy	Date: February 2015
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Appropriation/Budget Activity 1319: <i>Research, Development, Test & Evaluation, Navy I BA 5: System Development & Demonstration (SDD)</i>					R-1 Program Element (Number/Name) PE 0605450N / <i>Joint Air-to-ground Missile (JAGM)</i>							
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
Total Program Element	205.820	4.757	6.300	25.898	-	25.898	19.798	8.999	4.399	0.003	Continuing	Continuing
2211: <i>Joint Air-to-Ground Missile</i>	205.820	4.757	6.300	25.898	-	25.898	19.798	8.999	4.399	0.003	Continuing	Continuing

A. Mission Description and Budget Item Justification

Joint Air-to-Ground Missile (JAGM) is an Army-led close-air-support missile program that will utilize multi-mode seeker technology and be employed against land and maritime stationary and moving targets. JAGM will provide an air launched missile system that provides advanced Line-of-Sight and Beyond Line-of-Sight capabilities, including precision point targeting and fire and forget seeker technologies, and increased lethality against soft and hardened moving and stationary targets. Its multi-mode seeker will provide robust capability in adverse weather, day or night, and in an obscured/countermeasure environments. The Navy's threshold platform for JAGM is the AH-1Z. The JAGM system includes the missile, trainers, containers, support equipment and the M-299 launcher.

B. Program Change Summary (\$ in Millions)	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Previous President's Budget	-	6.300	25.900	-	25.900
Current President's Budget	4.757	6.300	25.898	-	25.898
Total Adjustments	4.757	-	-0.002	-	-0.002
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	4.757	-			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	-	-	-25.900	-	-25.900
• Rate/Misc Adjustments	-	-	25.898	-	25.898

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy										Date: February 2015		
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0605450N / Joint Air-to-ground Missile (JAGM)				Project (Number/Name) 2211 / Joint Air-to-Ground Missile			
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
2211: Joint Air-to-Ground Missile	205.820	4.757	6.300	25.898	-	25.898	19.798	8.999	4.399	0.003	Continuing	Continuing
Quantity of RDT&E Articles		-	43	10	-	10	-	-	-	-		
Note												
The FY14 Above Threshold Reprogramming (ATR) will be used to procure test assets and related cost in support of Milestone B and AH-1Z integration.												
A. Mission Description and Budget Item Justification												
Joint Air-to-Ground Missile (JAGM) is an Army-led close-air-support missile program that will utilize multi-mode seeker technology and be employed against land and maritime stationary and moving targets. JAGM will provide an air launched missile system that utilizes open architecture for future technology improvements, providing advanced Line-of-Sight and Beyond Line-of-Sight capabilities, including precision point targeting and fire and forget seeker technologies, and increased lethality against soft and hardened moving and stationary targets. Its multi-mode seeker will provide robust capability in adverse weather, day or night, and in an obscured/countermeasure environments. The Navy's threshold platform for JAGM is the AH-1Z. The JAGM system includes the missile, trainers, containers, support equipment and the M-299 launcher.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title: JAGM Technology Development (TD) Phase								4.757	6.300	25.898	-	25.898
								Articles: -	43	10	-	10
FY 2014 Accomplishments: Technology Development (TD) Seeker Critical Design Review with Lockheed Martin was completed in January 2014. The ATR for \$4.757M supported MS B and AH-1Z integration. Restructured the program schedule to align AH-1Z software configuration development schedule with ARMY program milestones to support Navy FY19 Initial Operating Capability.												
FY 2015 Plans: Funding supports initial AH-1Z software integration, platform air worthiness analysis, test planning, procurement of integration hardware, acquisition and buildup of test articles, and joint cost and schedule planning for Milestone B and Engineering, Manufacturing and Development (EMD).												
FY 2016 Base Plans:												

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Appropriation/Budget Activity 1319 / 5		R-1 Program Element (Number/Name) PE 0605450N / 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 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Funding supports AH-1Z software integration, platform air worthiness analysis/testing, test planning/execution, procurement of test and integration hardware, acquisition and buildup of test articles, future technology insertion, and joint cost and schedule planning for Milestone C and EMD.					
FY 2016 OCO Plans: N/A					
Accomplishments/Planned Programs Subtotals	4.757	6.300	25.898	-	25.898

C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
• RDT&E ARMY, 0605450A: JAGM	15.684	83.800	88.900	-	88.900	41.300	16.900	-	-	Continuing	Continuing
• 0206138M: BLI 2211: JAGM	-	-	-	-	-	26.200	26.200	24.300	24.300	Continuing	Continuing
• MPA, ARMY, C70302: JAGM.	-	-	27.700	-	27.700	57.500	151.600	109.900	128.600	Continuing	Continuing
Remarks											
D. Acquisition Strategy											
The JAGM system is a pre-MDAP Joint Army/Navy program with the Army designated as lead service. The Army is continuing Technology Development efforts with a planned Milestone B in FY15.											
E. Performance Metrics											
Milestone B in FY15.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy												Date: February 2015			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0605450N / Joint Air-to-ground Missile (JAGM)				Project (Number/Name) 2211 / Joint Air-to-Ground Missile					
Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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
Systems Engineering	WR	NAWCWD : China Lake, CA	45.334	0.854	Nov 2014	0.142	Aug 2015	1.870	Nov 2015	-		1.870	Continuing	Continuing	Continuing
Systems Engineering	WR	NAWCAD : Patuxent River, MD	0.000	0.335	Nov 2014	0.056	Aug 2015	0.343	Nov 2015	-		0.343	Continuing	Continuing	Continuing
Aircraft Integration	WR	NAWCAD : Patuxent River, MD	4.860	0.570	Nov 2014	0.095	Aug 2015	0.581	Nov 2015	-		0.581	Continuing	Continuing	Continuing
Aircraft Integration (AH-1Z)	Various	NAWCWD : China Lake, CA	0.250	1.768	Jan 2015	1.132	Aug 2015	6.200	Nov 2015	-		6.200	Continuing	Continuing	Continuing
Hardware-Integration & Test	TBD	TBD : TBD	0.000	0.500	Jun 2015	4.491	Jun 2015	15.839	Jan 2016	-		15.839	Continuing	Continuing	Continuing
Prior year cost Prod Dev no longer funded in the FYDP	Various	Various : Various	83.338	-		-		-		-		-	-	83.338	-
Subtotal			133.782	4.027		5.916		24.833		-		24.833	-	-	-
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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	WR	NAWCWD : China Lake, CA	1.602	0.046	Nov 2014	0.047	Aug 2015	0.157	Nov 2015	-		0.157	Continuing	Continuing	Continuing
Prior year Support cost no longer funded in the FYDP	Various	Various : Various	24.653	-		-		-		-		-	-	24.653	-
Subtotal			26.255	0.046		0.047		0.157		-		0.157	-	-	-
Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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
Test & Evaluation	Various	NAWCAD : Patuxent River, MD	11.865	0.067	Sep 2015	-		-		-		-	-	11.932	-

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Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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
Test & Evaluation	Various	NAWCWD : China Lake, CA	8.422	0.103	Nov 2014	0.035	Aug 2015	0.211	Nov 2015	-		0.211	Continuing	Continuing	Continuing
Prior year T&E cost no longer funded in the FYDP	Various	Various : Various	8.125	-		-		-		-		-	-	8.125	-
Subtotal			28.412	0.170		0.035		0.211		-		0.211	-	-	-
Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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
Contr Eng Supt - ETS (NONFFRDC)	Various	Various : Various	7.414	0.236	Nov 2014	0.242	Jan 2015	0.353	Feb 2016	-		0.353	Continuing	Continuing	Continuing
Management Services	Various	NAWCAD : Patuxent River, MD	0.000	0.278	Nov 2014	-		0.284	Nov 2015	-		0.284	Continuing	Continuing	Continuing
Travel	Various	NAWCAD : Patuxent River, MD	0.360	-		0.060	Nov 2014	0.060	Nov 2015	-		0.060	Continuing	Continuing	Continuing
Prior year Mngt Svcs cost no longer funded in the FYDP	Various	Various : Various	9.597	-		-		-		-		-	-	9.597	-
Subtotal			17.371	0.514		0.302		0.697		-		0.697	-	-	-
			Prior Years	FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			205.820	4.757		6.300		25.898		-		25.898	-	-	-
Remarks															
Program acquisition milestones (minus unique Initial Operating Capability) and production milestones are joint program milestones for both Army and Navy.															

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PE 0605450N: *Joint Air-to-ground Missile (JAGM)*
Navy

R-1 Line #143

R-1 Program Element (Number/Name)
PE 0605450N / Joint Air-to-ground Missile
(JAGM)

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Navy			Date: February 2015
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
JAGM				
Acquisition Milestones: Milestone B	3	2015	3	2015
Acquisition Milestones: Milestone C	3	2017	3	2017
Acquisition Milestones: IOC	4	2019	4	2019
Acquisition Milestones: FRP Decision	3	2019	3	2019
Reviews: Seeker Critical Design Review	2	2014	2	2014
Reviews: System Critical Design Review	1	2016	1	2016
Test and Evaluation: AH1-Z Integration: AH1-Z Integration	1	2015	3	2018
Test and Evaluation: Software Development Testing/Integration Testing: DT/IT	1	2018	4	2018
Test and Evaluation: Operational Testing: OT	4	2018	4	2018
Test and Evaluation: Operational Testing: OT Reporting	1	2019	2	2019
Test and Evaluation: Software Integration Lab Testing: SIL Testing	3	2015	4	2017
Production Milestones: Contract Awards: DT/IT Test Asset	3	2015	3	2015
Production Milestones: Contract Awards: OT Test Asset	2	2016	2	2016
Production Milestones: Contract Awards: LRIP 1 (WPN)	4	2017	4	2017
Production Milestones: Contract Awards: LRIP 2 (WPN)	2	2018	2	2018
Production Milestones: Contract Awards: FRP (WPN)	3	2019	3	2019
Production Milestones: Deliveries: DT/IT Test Asset	3	2016	3	2017
Production Milestones: Deliveries: OT Test Asset	2	2018	3	2018
Production Milestones: Deliveries: LRIP 1 (WPN)	4	2018	3	2019
Production Milestones: Deliveries: LRIP 2 (WPN)	4	2019	3	2020