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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 / BA 4: Advanced Component Development & Prototypes (ACD&P)</i>					R-1 Program Element (Number/Name) PE 0603795N / <i>Land Attack Tech</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	14.274	-	0.318	0.887	-	0.887	0.591	-	-	-	-	16.070
2038: <i>ADVANCED MINOR CALIBER GUN</i>	14.274	-	0.318	0.887	-	0.887	0.591	-	-	-	-	16.070

A. Mission Description and Budget Item Justification

The Advanced Minor Caliber Gun will support non-recurring engineering, component integration, and testing efforts required for capability upgrades to the MK38 Mod 2, a minor caliber gun weapon system.

B. Program Change Summary (\$ in Millions)	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016 Base</u>	<u>FY 2016 OCO</u>	<u>FY 2016 Total</u>
Previous President's Budget	-	0.318	0.887	-	0.887
Current President's Budget	-	0.318	0.887	-	0.887
Total Adjustments	-	-	-	-	-
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy										Date: February 2015		
Appropriation/Budget Activity 1319 / 4					R-1 Program Element (Number/Name) PE 0603795N / <i>Land Attack Tech</i>				Project (Number/Name) 2038 / <i>ADVANCED MINOR CALIBER GUN</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
2038: <i>ADVANCED MINOR CALIBER GUN</i>	14.274	-	0.318	0.887	-	0.887	0.591	-	-	-	-	16.070
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification
The Advanced Minor Caliber Gun project will support non-recurring engineering, component integration, testing and qualification efforts required for the capability upgrades to the MK38 Mod 2, a minor caliber gun weapon system. The new configuration (MOD 3) creates a near term improvement to address ship based, close range solutions to defeat the Fast Attack Craft (FAC)/Fast In-Shore Attack Craft (FIAC) threat. The MK38 Mod 2 was developed in FY04 under Chief of Naval Operations (CNO) direction to outfit near term deployers to counter small boat threats.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title: Systems Engineering and Testing Articles: FY 2014 Accomplishments: FY14 funding reduced by congressional direction. FY 2015 Plans: Complete final system qualification effort in order to obtain Weapon System Explosive Safety Review Board (WSESRB) deployment concurrence. FY 2016 Base Plans: Implement system improvement based on qualification/Sea Trials results. FY 2016 OCO Plans: N/A	-	0.318	0.887	-	0.887
	-	-	-	-	-
Accomplishments/Planned Programs Subtotals	-	0.318	0.887	-	0.887

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

Remarks

D. Acquisition Strategy
The hardware improvements for MOD 3 will be integrated into new production orders and separate kits for backfit beginning in FY15.

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E. Performance Metrics

Quarterly program reviews and semi-annual product certification panel reviews.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy												Date: February 2015			
Appropriation/Budget Activity 1319 / 4						R-1 Program Element (Number/Name) PE 0603795N / Land Attack Tech				Project (Number/Name) 2038 / ADVANCED MINOR CALIBER GUN					
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
Primary Product Integration	SS/BOA	BAE Systems : Minneapolis MN	11.927	-		0.143	Dec 2014	-		-		-	0.200	12.270	-
Subtotal			11.927	-		0.143		-		-		-	0.200	12.270	-
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
Government Engineering Services	WR	NSWC, DD : Dahlgren, VA	1.713	-		0.072	Dec 2014	0.621	Dec 2015	-		0.621	1.000	3.406	-
Government Engineering Services	WR	NSWC, IHD : Indian Head, MD	0.300	-		0.072	Dec 2014	0.266	Dec 2015	-		0.266	0.278	0.916	-
Subtotal			2.013	-		0.144		0.887		-		0.887	1.278	4.322	-
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
Program Support Services	C/CPFF	ALION : Washington, DC	0.334	-		0.031	Jan 2015	-		-		-	-	0.365	-
Subtotal			0.334	-		0.031		-		-		-	-	0.365	-
			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			14.274	-		0.318		0.887		-		0.887	1.478	16.957	-
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Navy

Date: February 2015

Appropriation/Budget Activity

1319 / 4

R-1 Program Element (Number/Name)

PE 0603795N / Land Attack Tech

Project (Number/Name)

2038 / ADVANCED MINOR CALIBER GUN

	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020			
	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 2038																												
MOD 3 Upgrade Capability Improvement																												
Increment I - Coaxial Eng. Design for integration																												
Increment I Qualification Test																												
Logistics Update TMs & Training Material																												
Increment II - MOD 3 Upgrades Eng design for integration																												
Increment II Qualification Test																												
Engineer Changes based on Sea Trials																												
Increment II																												

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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
<i>Proj 2038</i>				
MOD 3 Upgrade Capability Improvement	1	2014	4	2015
Increment I - Coaxial Eng. Design for integration	1	2014	3	2014
Increment I Qualification Test	1	2015	2	2015
Logistics Update TMs & Training Material	1	2014	4	2015
Increment II - MOD 3 Upgrades Eng design for integration	1	2015	4	2015
Increment II Qualification Test	3	2015	4	2015
Engineer Changes based on Sea Trials	4	2015	1	2017
Increment II	4	2016	1	2017