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<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2013 Navy	<b>DATE:</b> February 2012
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APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>				PE 0604274N: <i>Next Generation Jammer (NGJ)</i>							
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	83.948	170.910	187.024	-	187.024	269.916	321.817	429.390	528.777	1.954	1,993.736
0557: <i>Next Generation Jammer</i>	83.948	170.910	187.024	-	187.024	269.916	321.817	429.390	528.777	1.954	1,993.736

**A. Mission Description and Budget Item Justification**

This project develops new technology in a Next Generation Jammer (NGJ) capability system, with increased electronic radiation power generation to replace the existing ALQ-99 Tactical Jamming System. NGJ is required to keep pace with threat weapons systems advances and continuous expansion of the Airborne Electronic Attack (AEA) mission area. NGJ capabilities will address AEA capability gaps, AEA sufficiency gaps, and address ALQ-99 shortfalls in scalability, flexibility, supportability, interoperability, availability, and capability. NGJ will utilize an adaptable, modular, and open architecture philosophy to combat the increasing capability gap and enable future growth at a reduced operational and sustainment cost.

<b>B. Program Change Summary (\$ in Millions)</b>	<b><u>FY 2011</u></b>	<b><u>FY 2012</u></b>	<b><u>FY 2013 Base</u></b>	<b><u>FY 2013 OCO</u></b>	<b><u>FY 2013 Total</u></b>
Previous President's Budget	120.602	189.919	337.712	-	337.712
Current President's Budget	83.948	170.910	187.024	-	187.024
Total Adjustments	-36.654	-19.009	-150.688	-	-150.688
• Congressional General Reductions	-	-0.009			
• Congressional Directed Reductions	-	-19.000			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-3.527	-			
• SBIR/STTR Transfer	-2.659	-			
• Program Adjustments	-	-	-150.733	-	-150.733
• Rate/Misc Adjustments	-	-	0.045	-	0.045
• Congressional General Reductions	-0.468	-	-	-	-
Adjustments					
• Congressional Directed Reductions	-30.000	-	-	-	-
Adjustments					

**Change Summary Explanation**

Technical: Not applicable.

Schedule: Since the previous President's Budget, Next Generation Jammer transitioned to a Block approach for development, changed their Acquisition Strategy, and OPNAV rephased program funding in POM 13, resulting in the following schedule changes: Milestone A moved from 2nd QTR 2012 to 3rd QTR 2013.

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Technology Development (Block 1) contract award moved from 3rd QTR 2012 to 3rd QTR 2013. Test and Evaluation Master Plan moved from 1st QTR 2014 to 3rd QTR 2014. Technology Development (Block 2) was added in 2nd QTR 2015. Milestone B (Block 1) moved from 1st QTR 2015 to 3rd QTR 2015. EMD (Block 1) Award moved from 1st QTR 2015 to 3rd QTR 2015. Integrated Testing start moved from 1st QTR 2016 to 3rd QTR 2016. Milestone B (Block 2) added in 1st QTR 2017. EMD (Block 2) added in 2nd QTR 2017. First EDM Delivery moved from 4th QTR 2016 to 4th QTR 2017. Technology Development (Block 3) was added in 4th QTR 2017. Milestone C moved from 4th QTR 2017 to 2nd QTR 2018.		

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy								DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604274N: Next Generation Jammer (NGJ)				PROJECT 0557: Next Generation Jammer			
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
0557: Next Generation Jammer	83.948	170.910	187.024	-	187.024	269.916	321.817	429.390	528.777	1.954	1,993.736
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
A. Mission Description and Budget Item Justification											
This project develops new technology in a Next Generation Jammer (NGJ) capability required to replace the existing ALQ-99 Tactical Jamming System. NGJ is required to keep pace with threat weapons systems advances and continuous expansion of the Airborne Electronic Attack (AEA) mission area. NGJ capabilities will address AEA capability gaps, AEA sufficiency gaps and address ALQ-99 shortfalls in scalability, flexibility, supportability, interoperability, availability, and capability. NGJ will utilize an adaptable, modular, and open architecture philosophy to combat the increasing capability gap and enable future growth at a reduced operational sustainment cost.											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2011	FY 2012	FY 2013	
Title: Next Generation Jammer  Articles:  FY 2011 Accomplishments: Continue technology maturation analysis/studies and initiate NGJ technology development activities to reduce technological risk and determine appropriate set of technologies for use in NGJ.  FY 2012 Plans: Continue technology maturation efforts, release Technology Development Request for Proposal, and develop products in support of Milestone A decision.  FY 2013 Plans: Complete Technology Maturation efforts and Milestone A decision. Award Technology Development contracts.								81.948	169.810	186.374	
								0	0	0	
Title: Capability Development Document (CDD)  Articles:  FY 2011 Accomplishments: Finalization of CDD and initial routing through Joint Capabilities Integration Development System process for Milestone A.  FY 2012 Plans: Update CDD and continue routing through Joint Capabilities Integration Development System process.  FY 2013 Plans:								2.000	1.100	0.650	
								0	0	0	

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 Navy		<b>DATE:</b> February 2012	
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>		<b>R-1 ITEM NOMENCLATURE</b> PE 0604274N: <i>Next Generation Jammer (NGJ)</i>	<b>PROJECT</b> 0557: <i>Next Generation Jammer</i>
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>		<b>FY 2011</b>	<b>FY 2012</b>
Obtain CDD approval.			
<b>Accomplishments/Planned Programs Subtotals</b>		83.948	170.910
<b>C. Other Program Funding Summary (\$ in Millions)</b> N/A			
<b>D. Acquisition Strategy</b> Next Generation Jammer is designated a Pre-Major Defense Acquisition Program (MDAP), with Pre-MDAP Program Number 445, and activity will focus on technology maturation to include technology development strategies in preparation for Milestone A in FY13 and Milestone B in FY15.			
<b>E. Performance Metrics</b> To obtain sufficient technology maturation and technology demonstration to obtain favorable Milestone A and Milestone B decisions for continued program development.			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Navy											DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604274N: Next Generation Jammer (NGJ)				PROJECT 0557: Next Generation Jammer					
Product Development (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Primary Hardware Development	TBD	Various:Various	-	-		123.895	Apr 2013	-		123.895	Continuing	Continuing	Continuing
Primary Hardware Development	C/CPFF	ITT:Clifton, NJ	40.522	30.750	Apr 2012	3.375	Nov 2012	-		3.375	0.000	74.647	74.647
Primary Hardware Development	C/CPFF	BAE:Nashua, NH	40.128	30.750	Apr 2012	3.375	Nov 2012	-		3.375	0.000	74.253	74.253
Primary Hardware Development	C/CPFF	Raytheon:Goleta, CA	40.253	30.750	Apr 2012	3.375	Nov 2012	-		3.375	0.000	74.378	74.378
Primary Hardware Development	C/CPFF	Northrop Grumman:Baltimore, MD	40.247	30.750	Apr 2012	3.375	Nov 2012	-		3.375	0.000	74.372	74.372
Primary Hardware Development	SS/CPFF	Sparta, Inc.:Lake Forest, CA	1.245	-		-		-		-	0.000	1.245	1.245
Primary Hardware Development	SS/CPFF	Northrop Grumman Space & Mission Systems Corp.:Herndon, VA	1.765	-		-		-		-	0.000	1.765	1.765
Studies & Analysis (Non-FFRDC)	SS/CPFF	Mantech Systems Engineering Corp.:Fairfax, VA	1.571	-		0.750	Dec 2012	-		0.750	0.000	2.321	2.321
Studies & Analysis (Non-FFRDC)	Various	Various:Various	1.541	1.612	Dec 2011	2.070	Nov 2012	-		2.070	Continuing	Continuing	Continuing
Systems Engineering	WR	NAWCAD:Patuxent River, MD	9.050	15.702	Nov 2011	20.137	Nov 2012	-		20.137	Continuing	Continuing	Continuing
Systems Engineering	WR	NAWCWD:Pt. Mugu, CA	3.472	10.374	Nov 2011	8.609	Nov 2012	-		8.609	Continuing	Continuing	Continuing
Systems Engineering	WR	NSWC Crane:Crane, IN	3.023	4.754	Dec 2011	4.157	Nov 2012	-		4.157	Continuing	Continuing	Continuing
Systems Engineering	SS/CPFF	Johns Hopkins University Applied Physics Lab:Laurel, MD	2.760	4.652	Dec 2011	3.653	Dec 2012	-		3.653	Continuing	Continuing	Continuing
Systems Engineering	Various	Various:Various	2.708	7.172	Dec 2011	7.388	Dec 2012	-		7.388	Continuing	Continuing	Continuing
Subtotal			188.285	167.266		184.159		-		184.159			

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2013 Navy											<b>DATE:</b> February 2012		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)				<b>R-1 ITEM NOMENCLATURE</b> PE 0604274N: Next Generation Jammer (NGJ)				<b>PROJECT</b> 0557: Next Generation Jammer					

  

<b>Support (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Eng& Tech Srvc (Non FFRDC)	SS/FFP	NSMA:Arlington, VA	2.821	1.434	Dec 2011	0.850	Dec 2012	-		0.850	Continuing	Continuing	Continuing
Eng& Tech Srvc (Non FFRDC)	Various	Various:Various	4.419	2.010	Dec 2011	1.809	Dec 2012	-		1.809	Continuing	Continuing	Continuing
<b>Subtotal</b>			7.240	3.444		2.659		-		2.659			

  

<b>Management Services (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Program Management Support	WR	Various:Various	0.200	0.200	Dec 2011	0.206	Dec 2012	-		0.206	Continuing	Continuing	Continuing
<b>Subtotal</b>			0.200	0.200		0.206		-		0.206			

  

			<b>Total Prior Years Cost</b>	<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>			195.725	170.910		187.024		-		187.024			

  

<b>Remarks</b>													

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604274N: <i>Next Generation Jammer (NGJ)</i>	PROJECT 0557: <i>Next Generation Jammer</i>

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2013 Navy			<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0604274N: <i>Next Generation Jammer (NGJ)</i>	<b>PROJECT</b> 0557: <i>Next Generation Jammer</i>	

**Schedule Details**

<b>Events by Sub Project</b>	<b>Start</b>		<b>End</b>	
	<b>Quarter</b>	<b>Year</b>	<b>Quarter</b>	<b>Year</b>
<b><i>Next Generation Jammer</i></b>				
Acquisition Milestones: Milestones: Milestone A	3	2013	3	2013
Acquisition Milestones: Milestones: Milestone B (Block 1)	3	2015	3	2015
Acquisition Milestones: Milestones: Milestone B (Block 2)	1	2017	1	2017
Systems Development: Hardware Development: Prototype Demonstration	3	2014	1	2015
Systems Development: Hardware Development: Engineering Development Model (EDM) Deliveries	4	2017	4	2017
Systems Development: Reviews: Resource Requirements Review Board (R3B)	1	2011	1	2011
Test & Evaluation: Technical Evaluation: NGJ Test & Evaluation Master Plan (TEMP)	3	2014	3	2014
Test & Evaluation: Technical Evaluation: Integrated Testing	3	2016	4	2017
Production Milestones: Contract Awards: Technology Development (TD) Contract Award (Block 1)	3	2013	3	2013
Production Milestones: Contract Awards: Technology Development (TD) Contract Award (Block 2)	2	2015	2	2015
Production Milestones: Contract Awards: Technology Development (TD) Contract Award (Block 3)	4	2017	4	2017
Production Milestones: Contract Awards: Engineering & Manufacturing Development (EMD) Contract Award (Block 2)	2	2017	2	2017
Production Milestones: Contract Awards: Engineering & Manufacturing Development (EMD) Contract Award (Block 1)	3	2015	3	2015