

# UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Navy										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)					R-1 ITEM NOMENCLATURE PE 0604757N: Ship Self Def (Engage: Soft Kill/EW)							
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 <sup>#</sup>	FY 2014 Base	FY 2014 OCO <sup>##</sup>	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	615.284	179.033	151.489	164.799	-	164.799	210.407	176.348	188.951	165.044	Continuing	Continuing
0954: Shipboard EW Improvement Program	416.603	17.980	18.494	17.921	-	17.921	15.676	15.788	16.121	16.372	Continuing	Continuing
2190: NULKA Decoy	48.876	3.432	2.352	4.611	-	4.611	6.209	3.156	8.182	8.312	Continuing	Continuing
3227: SEWIP Block 2	135.114	42.804	29.937	5.968	-	5.968	0.600	0.532	0.547	0.558	Continuing	Continuing
3316: Advanced Offboard EW	0.000	22.395	23.211	23.132	-	23.132	73.955	67.045	72.687	73.819	Continuing	Continuing
3321.: SEWIP Block 3	14.691	92.422	77.495	108.300	-	108.300	91.201	49.374	45.169	45.869	Continuing	Continuing
3362: E-NULKA	0.000	0.000	0.000	4.867	-	4.867	22.766	40.453	46.245	20.114	Continuing	Continuing
MDAP/MAIS Code(s): 582												
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
0954 - The Surface Electronic Warfare Improvement Program (SEWIP) Block 1 provides enhanced Electronic Warfare (EW) capabilities to existing and new ship combat systems to improve Anti Ship Missile Defense (ASMD), counter-targeting and counter surveillance capabilities, as well as improved situational awareness. The SEWIP Block 1 employs an evolutionary acquisition and incremental development strategy to upgrade surface EW capabilities via a series of block upgrades to the AN/SLQ-32(V) system, and field EW improvements to keep pace with the ASMD threat. SEWIP Block 1 will provide required EW capabilities and will incorporate technology advances as they become available to provide incremental upgrades and improvements in performance.												
2190 - The Offboard Active Decoy (NULKA) is a joint cooperative program between the United States and Australia that developed an active offboard decoy that utilizes a broadband radio frequency repeater mounted atop a hovering rocket. NULKA is designed to counter a wide variety of present and future radar guided Anti-Ship Missiles (ASMs) by radiating a large radar cross section while flying a ship-like trajectory. The United States developed the electronic payload and fire control system, while Australia developed the hovering rocket. Future efforts involve development of the capability for high value unit protection.												
3227 - SEWIP Block 2 is developing an upgraded antenna, receiver, and combat system interface for SLQ-32. The upgrades are necessary in order to pace the threat, improving detection, accuracy, and mitigation of Electromagnetic Interference (EMI).												
3316 - The Advanced Offboard EW (AOEW) program is for the development of long duration off-board decoys integrated with onboard systems for EW coordination to counter identified EW gaps (additional details classified) in response to an urgent operational need from the Fleet that has been approved by the CNO for execution. Currently no counter to the threat exists. The program consists of a Rapid Response Effort (RRE) to provide an initial, limited decoy capability to the Fleet by 2014												

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1319: Research, Development, Test & Evaluation, Navy		PE 0604757N: Ship Self Def (Engage: Soft Kill/EW)				
BA 5: System Development & Demonstration (SDD)						
and a Decoy Development Effort (DDE) culminating in the delivery of a fully supported, full capability system. The RRE (FY12-FY13) consists of the evaluation and integration of commercially available decoys. The DDE (commencing in FY12) concerns the development and evaluation of a long duration, active electronic offboard decoy system (vehicle and payload) and an onboard/offboard EW coordinator fully able to counter the threat.						
3321 - SEWIP Block 3 will provide an Electronic Attack (EA) capability improvement required for the SLQ-32(V) system to keep pace with the threat. SEWIP Block 3 will provide a common EA capability to all surface combatants (CVN, CG, DDG, LHA) outfitted with the active variant of the AN/SLQ-32, mainly the (V)3 and (V)4, as well as select new-construction platforms.						
3362 - E-Nulka is an upgrade to the Nulka decoy to expand frequency coverage to counter an emerging class of Anti-Ship Missiles (ASMs) for which no active countermeasure currently exists. The Program supports the engineering development of the payload receiver, signal processor and transmitter, construction of complete payloads, integration of the completed payload with the Nulka vehicle, and subsequent technical and operational assessment.						
B. Program Change Summary (\$ in Millions)		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget		184.087	151.489	169.224	-	169.224
Current President's Budget		179.033	151.489	164.799	-	164.799
Total Adjustments		-5.054	0.000	-4.425	-	-4.425
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-	-			
• Congressional Rescissions		-	-			
• Congressional Adds		-	-			
• Congressional Directed Transfers		-	-			
• Reprogrammings		-0.480	0.000			
• SBIR/STTR Transfer		-4.574	0.000			
• Program Adjustments		0.000	0.000	0.023	-	0.023
• Rate/Misc Adjustments		0.000	0.000	-4.448	-	-4.448
Change Summary Explanation						
Financial: Reduced FY 12 funding to support higher priority Department requirements. Added FY 14 funding to support SEWIP Blk 2 IOT&E and TECHEVAL events (\$3.1M), SEWIP BLK 1 HGHS and AOEW/RRE development (\$5M), E-NULKA development (\$7.4M). Reduced FY 14 funding for SEWIP BLK 3 and AOEW efforts (\$15.3M) to properly phase program requirements in accordance with expenditures.						
Technical: Not applicable.						
Schedule: Not applicable.						

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)					R-1 ITEM NOMENCLATURE PE 0604757N: Ship Self Def (Engage: Soft Kill/EW)				PROJECT 0954: Shipboard EW Improvement Program			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 <sup>#</sup>	FY 2014 Base	FY 2014 OCO <sup>##</sup>	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
0954: Shipboard EW Improvement Program	416.603	17.980	18.494	17.921	-	17.921	15.676	15.788	16.121	16.372	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0		0	0	0	0	0		
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
SEWIP Block 1 provides enhanced EW capabilities to existing and new ship combat systems to improve ASMD, counter-targeting and counter surveillance capabilities, as well as improved situational awareness. SEWIP Block 1 employs an evolutionary acquisition and incremental development strategy to upgrade surface EW capabilities via a series of block upgrades to the AN/SLQ-32(V) system, and field EW improvements to keep pace with the ASMD threat. SEWIP Block 1 will provide required EW capabilities and will incorporate technology advances as they become available to provide incremental upgrades and improvements in performance.												
SEWIP Block 1 is segmented into Block 1A, and Block 1B, ALQ-210 integration, and EW Rapid Capability Insertion Process (RCIP). Block 1A upgrades the AN/SLQ-32 pulse-processing computers and the display console allowing the system to more quickly identify threats and better display the information to the operator. Block 1A Electronic Surveillance Enhancements (ESE) pulse-processing computers and the Improved Control and Display (ICAD) Human System Interface (HSI) console partially open the electronic warfare system architecture to support subsequent EW capability upgrades. Block 1B adds adjunct sensors for special signal intercept, including Specific Emitter Identification (SEI), and High Gain High Sensitivity (HGHS) (Block 1B3), a critical improvement for threat correlation, situational awareness, and extending the battle space. ALQ-210 integration will develop capability to use and integrate Electronic Warfare Support (ES) controls and data between AN/SLQ-32 and the ALQ-210 on the MH60R. EW RCIP identifies joint force capability gaps, prioritizes those gaps based on fleet input and critical technology maturity, and develops upgrades to the AN/SLQ-32(V) product line for fielding to address those gaps.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2012	FY 2013	FY 2014	
Title: Block 1B3									9.286	6.106	6.892	
									Articles: 0	0	0	
FY 2012 Accomplishments: Commenced integration and testing of Engineering Development Models (EDMs). Completed Milestone (MS)-C.												
FY 2013 Plans: Continue integration and testing.												
FY 2014 Plans: Complete integration and testing of EDMs.												

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<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 5: <i>System Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0604757N: <i>Ship Self Def (Engage: Soft Kill/EW)</i>	<b>PROJECT</b> 0954: <i>Shipboard EW Improvement Program</i>	
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>		<b>FY 2012</b>	<b>FY 2013</b>
Conduct At-Sea testing. Complete Full Rate Production (FRP) Decision Review (DR).			
<b>Title:</b> V(4) Electronic Surveillance Enhancements (ESE)  <b>Description:</b> Due to ship availability delays, V(4)ESE Initial Operational Test & Evaluation (IOT&E) was conducted in second quarter FY13.  <b>FY 2012 Accomplishments:</b> Conducted At-Sea testing. Analyzed and corrected deficiencies.  <b>FY 2013 Plans:</b> Conduct IOT&E. Analyze and correct deficiencies. Complete MS-C DR.		1.670 0	0.500 0
<b>Articles:</b>			0.000
<b>Title:</b> EW RCIP  <b>FY 2012 Accomplishments:</b> Awarded E&MD contract for RCIP #1. Identified and prioritized capability gaps in support of release of Request for Information/Request for Proposal (RFI/RFP) for future (RCIP #2) RCIP candidates.  <b>FY 2013 Plans:</b> Continue E&MD of EW RCIP #1. Award E&MD contract for RCIP #2. Identify and prioritize capability gaps in support of release of RFI/RFP for future (RCIP #3) RCIP candidates.  <b>FY 2014 Plans:</b> Complete E&MD of RCIP #1. Continue E&MD of RCIP #2. Award E&MD contract for RCIP #3.		3.894 0	8.698 0
<b>Articles:</b>			11.029 0
<b>Title:</b> Shipboard Integration		3.130 0	3.190 0
<b>Articles:</b>			0.000

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)										FY 2012	FY 2013	FY 2014
FY 2012 Accomplishments: Continued development of capability to use and integrate ES controls and data between ALQ210 (on the MH60R) and AN/SLQ-32.												
FY 2013 Plans: Complete development of capability to use and integrate ES controls and data between ALQ210 (on the MH60R) and AN/SLQ-32.												
Accomplishments/Planned Programs Subtotals										17.980	18.494	17.921
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost	
• 0204228N/2312: OPN BA-2 AN/SLQ-32(V)	39.902	92.270	203.375		203.375	287.478	263.017	347.335	372.120	Continuing	Continuing	
• 24575N & 72827N/1C2C: OMN BA-1 AN/SLQ-32(V)	10.118	7.698	8.536		8.536	8.665	8.979	9.823	9.973	Continuing	Continuing	
Remarks												
D. Acquisition Strategy												
SEWIP will develop Block upgrades to SLQ-32 based on integrating technology advances and adding functional capabilities in an incremental fashion. Each Block and Sub-Block will be developed and contracted in an individual yet coordinated and overlapping fashion.												
E. Performance Metrics												
Successfully achieve Block 1B3 Milestone C / Low Rate Initial Production (LRIP) Decision Review (DR).												
Successfully complete Block 1B3 Initial Operational Test & Evaluation (IOT&E).												
Successfully achieve Block 1B3 Full Rate Production (FRP) DR.												
Successfully identify RCIP capabilities.												
Successfully identify and assess RCIP Science & Technology candidates.												
Award E&MD contract for RCIP #1.												
Successfully demonstrate and validate RCIP capabilities.												
Award E&MD contract for RCIP #2.												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)						R-1 ITEM NOMENCLATURE PE 0604757N: Ship Self Def (Engage: Soft Kill/EW)				PROJECT 0954: Shipboard EW Improvement Program					
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Ancillary Hardware Development	Various	Various:Various	151.420	0.000		0.000		0.000		-		0.000	0.000	151.420	
ESE Development	SS/CPFF	Northrop Grumman:Goleta, CA	12.415	0.342	Jan 2012	0.113	Dec 2012	0.000		-		0.000	0.000	12.870	
ICAD Development	SS/CPFF	GD-AIS:Fairfax, VA	11.747	0.000		0.000		0.000		-		0.000	0.000	11.747	
ESE Development (Block 1A)	SS/CPFF	Northrop Grumman:Goleta, CA	0.471	0.000		0.000		0.000		-		0.000	0.000	0.471	
System Integrator	C/CPAF	GD-AIS:Fairfax, VA	13.798	0.000		0.000		0.000		-		0.000	0.000	13.798	
1B Development	SS/CPIF	GD-AIS:Fairfax, VA	82.231	1.936	Dec 2011	1.832	Mar 2013	0.500	Nov 2013	-		0.500	Continuing	Continuing	Continuing
Q-70 Mods	C/CPFF	LM-EAGAN:Eagan, MN	3.491	0.000		0.000		0.000		-		0.000	0.000	3.491	
Block 2 Study/ Development	C/CPIF	BAE:Nashua, NH	0.336	0.000		0.000		0.000		-		0.000	0.000	0.336	
ALQ210 Integration	WR	NSWC Dahlgren:Dahlgren, VA	4.050	3.130	Nov 2011	3.190	Nov 2012	0.000		-		0.000	0.000	10.370	Continuing
Rapid Capability Insertion Process (RCIP) #1	C/CPIF	Lockheed Martin:Syracuse, NY	0.000	2.000	Aug 2012	0.000		0.000		-		0.000	0.000	2.000	
RCIP #1	WR	NSWC Dahlgren:Dahlgren, VA	0.000	0.025	Aug 2012	0.625	Nov 2012	0.000		-		0.000	0.000	0.650	
RCIP #2 & #3	TBD	TBD:TBD	0.000	0.000		4.054	May 2013	5.717	Mar 2014	-		5.717	Continuing	Continuing	Continuing
Subtotal			279.959	7.433		9.814		6.217		0.000		6.217			
Remarks Ancillary Hardware Development included several contractors from the original development of the SLQ-32 system. Product Development for RCIP #2 & #3 is in a competitive status.															

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<b>Support (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013</b>		<b>FY 2014 Base</b>		<b>FY 2014 OCO</b>		<b>FY 2014 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>All Prior Years</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>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Block 1 Integrated Logistics Support	WR	NSWC Crane, DD, NRL, APL:Crane, IN; Dahlgren, VA; Washington, DC; Laurel,MD	9.912	0.000		0.000		0.000		-		0.000	0.000	9.912	
Block 1 Integrated Logistics Support	WR	NSWC Crane:Crane, IN	1.099	1.070	Nov 2011	0.501	Nov 2012	0.548	Nov 2013	-		0.548	Continuing	Continuing	Continuing
Block 1 Integrated Logistics Support	WR	NSWC DD:Dahlgren, VA	0.293	0.000	Nov 2011	0.000		0.000		-		0.000	0.000	0.293	
Block 1 Government Engineering Support	WR	NSWC Crane, DD, NRL, APL:Crane, IN; Dahlgren, VA; Washington, DC; Laurel,MD	34.783	0.000		0.000		0.000		-		0.000	0.000	34.783	
Block 1 Government Engineering Support	WR	NSWC Dahlgren:Dahlgren, VA	0.579	1.050	Dec 2011	0.802	Nov 2012	0.944	Nov 2013	-		0.944	Continuing	Continuing	Continuing
Block 1 Government Engineering Support	WR	NSWC Crane:Crane, IN	0.606	1.053	Nov 2011	0.672	Nov 2012	0.540	Nov 2013	-		0.540	Continuing	Continuing	Continuing
Block 1 Government Engineering Support	WR	NRL:Washington, DC	0.602	0.306	Dec 2011	0.569	Nov 2012	0.540	Nov 2013	-		0.540	Continuing	Continuing	Continuing
Block 1 Government Engineering Support	SS/CPFF	APL:Laurel, MD	0.000	0.375	Dec 2011	0.659	Nov 2012	0.540	Nov 2013	-		0.540	Continuing	Continuing	Continuing
Block 1 SIPRNET Access	WR	ARL:Adelphi, MD	0.046	0.046	Nov 2011	0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Block 2 Integrated Logistics Support	WR	NSWC Crane, DD, NRL:Crane, IN; Dahlgren, VA; Washington, DC	0.540	0.000		0.000		0.000		-		0.000	0.000	0.540	
Block 2 Government Engineering Support	WR	NSWC Crane, DD, NRL:Crane, IN; Dahlgren, VA; Washington, DC	2.496	0.000		0.000		0.000		-		0.000	0.000	2.496	
<b>Subtotal</b>			50.956	3.900		3.203		3.112		0.000		3.112			

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Test and Evaluation (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Block 1 Integration and Test	WR	NSWC Crane, DD, NRL:Crane, IN; Dahlgren, VA; Washington, DC	0.853	0.000		0.000		0.000		-		0.000	0.000	0.853	
Developmental Test & Evaluation	Various	Various:Various	8.958	0.000		0.000		0.000		-		0.000	0.000	8.958	
Block 1A Test Planning/ T&E Events	WR	NSWC Crane, DD, NRL:Crane, IN; Dahlgren, VA; Washington, DC	11.036	0.000		0.000		0.000		-		0.000	0.000	11.036	
Block 1B Test Planning/ T&E Events	WR	NSWC Crane, DD, NRL, NAVAIR, OPTEVFOR, NSWC PHD:Crane, IN; Dahlgren, VA; Washington, DC; MD; CA	9.567	0.000		0.000		0.000		-		0.000	0.000	9.567	
Block 1B Test Planning/ T&E Events	WR	NSWC Dahlgren:Dahlgren, VA	0.291	0.497	Dec 2011	0.550	Nov 2012	1.793	Nov 2013	-		1.793	Continuing	Continuing	Continuing
Block 1B Test Planning/ T&E Events	WR	NSWC Crane:Crane, IN	0.285	1.086	Nov 2011	0.540	Nov 2012	1.115	Nov 2013	-		1.115	Continuing	Continuing	Continuing
Block 1B Test Planning/ T&E Events	WR	NRL:Washington, DC	0.520	1.105	Dec 2011	1.696	Nov 2012	2.014	Nov 2013	-		2.014	Continuing	Continuing	Continuing
Block 1B Test Planning/ T&E Events	WR	OPTEVFOR:Norfolk, VA	0.039	0.110	Dec 2011	0.120	Nov 2012	0.107	Nov 2013	-		0.107	Continuing	Continuing	Continuing
Block 1B Test Planning/ T&E Events	WR	JITC:Indian Head, MD	0.000	0.081	Nov 2011	0.083	Feb 2013	0.172	Nov 2013	-		0.172	Continuing	Continuing	Continuing
(V)4 ESE Test Planning/ T&E Events	WR	NSWC Crane, DD, NRL:Crane, IN; Dahlgren, VA; Washington, DC	0.686	0.000		0.000		0.000		-		0.000	0.000	0.686	



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Test and Evaluation (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
(V)4 ESE Test Planning/T&E Events	WR	NSWC Dahlgren:Dahlgren, VA	0.519	0.090	Dec 2011	0.090	Nov 2012	0.000		-		0.000	0.000	0.699	
(V)4 ESE Test Planning/T&E Events	WR	NSWC Crane:Crane, IN	0.815	0.264	Nov 2011	0.074	Nov 2012	0.000		-		0.000	0.000	1.153	
(V)4 ESE Test Planning/T&E Events	WR	NRL:Washington, DC	1.348	0.400	Dec 2011	0.060	Nov 2012	0.000		-		0.000	0.000	1.808	
(V)4 ESE Test Planning/T&E Events	WR	OPTEVFOR:Norfolk, VA	0.092	0.050	Dec 2011	0.050	Nov 2012	0.000		-		0.000	0.000	0.192	
RCIP Test Planning/T&E Events	WR	NSWC Dahlgren:Dahlgren, VA	0.000	0.000		0.593	Nov 2012	0.459	Nov 2013	-		0.459	Continuing	Continuing	Continuing
RCIP Test Planning/T&E Events	WR	NSWC Crane:Crane, IN	0.000	0.000		0.295	Nov 2012	0.426	Nov 2013	-		0.426	Continuing	Continuing	Continuing
RCIP Test Planning/T&E Events	WR	NRL:Washington, DC	0.000	0.000		0.057	Nov 2012	0.484	Nov 2013	-		0.484	Continuing	Continuing	Continuing
Block 2 Test Planning/T&E Events	WR	NSWC Crane, DD, NRL:Crane, IN; Dahlgren, VA; Washington, DC	0.941	0.000		0.000		0.000		-		0.000	0.000	0.941	
Subtotal			35.950	3.683		4.208		6.570		0.000		6.570			
Remarks Development Test & Evaluation included several activities from the original development of the SLQ-32 system. This line has been left on the exhibit to track Prior year costs of this PU.															
Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Block 1 Program Management	C/CPIF	SPA (SEAPORT):Washington, D.C.	29.166	2.343	Nov 2011	0.239	Jan 2013	1.000	Nov 2013	-		1.000	Continuing	Continuing	Continuing

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APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)						R-1 ITEM NOMENCLATURE PE 0604757N: Ship Self Def (Engage: Soft Kill/EW)				PROJECT 0954: Shipboard EW Improvement Program					
Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Block 1 Program Management Support	WR	NSWC Crane, DD, NRL:Crane, IN; Dahlgren, VA; Washington, DC	17.310	0.000		0.000		0.000		-		0.000	0.000	17.310	
Block 1 Program Management Support	WR	NSWC Crane:Crane, IN	0.351	0.135	Nov 2011	0.296	Nov 2012	0.273	Nov 2013	-		0.273	Continuing	Continuing	Continuing
Block 1 Program Management Support	WR	NSWC Dahlgren:Dahlgren, VA	0.442	0.277	Dec 2011	0.263	Nov 2012	0.241	Nov 2013	-		0.241	Continuing	Continuing	Continuing
Block 1 Program Management Support	WR	NRL:Washington, DC	0.492	0.088	Dec 2011	0.190	Nov 2012	0.207	Nov 2013	-		0.207	Continuing	Continuing	Continuing
Block 1 Program Management Support	SS/CPFF	APL:Laurel, MD	0.000	0.021	Dec 2011	0.191	Nov 2012	0.219	Nov 2013	-		0.219	Continuing	Continuing	Continuing
Block 1 Travel	WR	NAVSEA Program Office Travel:Washington, DC	0.955	0.100	Nov 2011	0.090	Nov 2012	0.082	Nov 2013	-		0.082	Continuing	Continuing	Continuing
Block 1 DoD Acquisition Workforce Fund	Various	Various:Various	0.126	0.000		0.000		0.000		-		0.000	0.000	0.126	
Block 2 Program Managment Support	C/FFP	AT&T Gov't Solutions (SEAPORT):Washington, DC	0.023	0.000		0.000		0.000		-		0.000	0.000	0.023	
Block 2 Program Managment Support	WR	NSWC Crane, DD, NRL:Various	0.823	0.000		0.000		0.000		-		0.000	0.000	0.823	
Block 2 Travel	WR	NAVSEA Program Office Travel:Washington, DC	0.050	0.000		0.000		0.000		-		0.000	0.000	0.050	
Subtotal			49.738	2.964		1.269		2.022		0.000		2.022			
			All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			416.603	17.980		18.494		17.921		0.000		17.921			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy							DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE			PROJECT			
1319: Research, Development, Test & Evaluation, Navy				PE 0604757N: Ship Self Def (Engage: Soft			0954: Shipboard EW Improvement Program			
BA 5: System Development & Demonstration (SDD)				Kill/EW)						
	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract	

Remarks

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PE 0604757N: Ship Self Def (Engage: Soft Kill/EW)  
Navy

DATE: April 2013

**APPROPRIATION/BUDGET ACTIVITY**

1319: *Research, Development, Test & Evaluation, Navy*  
BA 5: *System Development & Demonstration (SDD)*

## R-1 ITEM NOMENCLATURE

PE 0604757N: Ship Self Def (Engage: Soft Kill/EW)

## PROJECT

0954: *Shipboard EW Improvement Program*

Fiscal Year		2012				2013				2014				2015				2016				2017				2018				
		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	
Acquis ition Milestones					▲ Block 1B3 MS C/LRIP DR							△ Block 1B3 FRP DR																		
Development		1B3 HGHS Development & Integration																												
		ALQ210 Integration																												
		EW Rapid Capability Insertion Process (RCIP)																												
Test and Evaluation																														
Milestones		1B3 Integration & Test																												
Development Test												△ 1B3 TECHEVAL																		
Operational Test												△ 1B3 IOT&E																		

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2014 Navy			<b>DATE:</b> April 2013
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 5: <i>System Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0604757N: <i>Ship Self Def (Engage: Soft Kill/EW)</i>	<b>PROJECT</b> 0954: <i>Shipboard EW Improvement Program</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Proj 0954</i></b>				
1B3 HGHS Development & Integration	1	2012	2	2013
ALQ210 Integration	1	2012	4	2013
EW Rapid Capability Insertion Process (RCIP)	1	2012	4	2018
Block 1B3 MS C/LRIP DR	4	2012	4	2012
1B3 Integration & Test	1	2012	1	2014
Block 1B3 TECHEVAL	2	2014	2	2014
Block 1B3 IOT&E	2	2014	2	2014
Block 1B3 FRP DR	3	2014	3	2014

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy									DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)					R-1 ITEM NOMENCLATURE PE 0604757N: Ship Self Def (Engage: Soft Kill/EW)				PROJECT 2190: NULKA Decoy			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 <sup>#</sup>	FY 2014 Base	FY 2014 OCO <sup>##</sup>	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
2190: NULKA Decoy	48.876	3.432	2.352	4.611	-	4.611	6.209	3.156	8.182	8.312	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0		0	0	0	0	0		
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
The Offboard Active Decoy (NULKA) is a joint cooperative program between the United States and Australia that developed an active offboard decoy that utilizes a broadband radio frequency repeater mounted atop a hovering rocket. NULKA is designed to counter a wide variety of present and future radar guided Anti-Ship Missiles (ASMs) by radiating a large radar cross section while flying a ship-like trajectory. The United States developed the electronic payload and fire control system, while Australia developed the hovering rocket. Future efforts involve development of the capability for high value unit protection.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2012	FY 2013	FY 2014	
Title: NULKA Decoy Subsystem  Articles:  FY 2012 Accomplishments: Conducted NULKA decoy subsystem integration and improvements to include Effectiveness Studies, Engineering Studies, Fly Out Tactics and open architecture transition.  FY 2013 Plans: Continue NULKA decoy subsystem integration and improvements to include Effectiveness Studies, Engineering Studies, Fly Out Tactics and open architecture transition.  FY 2014 Plans: Continue NULKA decoy subsystem integration and improvements to include Effectiveness Studies, Engineering Studies, Fly Out Tactics and open architecture transition.									2.020	2.352	2.508	
									0	0	0	
Title: NULKA Software  Description:  FY 2012 Accomplishments: Completed upgrade of Launching System software to provide CVN protection capability.									1.412	0.000	0.000	
									0			
Title: CVN AT-SEA TEST									0.000	0.000	2.103	

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy										DATE: April 2013		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)				<b>R-1 ITEM NOMENCLATURE</b> PE 0604757N: Ship Self Def (Engage: Soft Kill/EW)				<b>PROJECT</b> 2190: NULKA Decoy				
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>										FY 2012	FY 2013	FY 2014
<i>Articles:</i>												0
<b>FY 2014 Plans:</b> Conduct At-Sea test of NULKA CVN capabilities.												
<b>Accomplishments/Planned Programs Subtotals</b>										3.432	2.352	4.611
<b>C. Other Program Funding Summary (\$ in Millions)</b>												
<b>Line Item</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014 Base</b>	<b>FY 2014 OCO</b>	<b>FY 2014 Total</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	
• OPN/5530: Anti-Ship Missile Decoy System	32.634	31.743	62.361		62.361	70.060	67.715	65.920	67.013	Continuing	Continuing	
• OMN/12CR0 (1C2C): Nulka	6.014	5.205	6.140		6.140	6.473	6.717	7.411	7.526	Continuing	Continuing	
<b>Remarks</b>												
<b>D. Acquisition Strategy</b> NULKA is a joint cooperative program between United States and Australia in full rate production.												
<b>E. Performance Metrics</b> Successfully complete first-of-class testing of MK 53 DLS upgrade for CVN. Successfully complete Element Certification Decoy Launch Processor (DLP) software version 6_5 for the CVN 68 ship class.												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)						R-1 ITEM NOMENCLATURE PE 0604757N: Ship Self Def (Engage: Soft Kill/EW)				PROJECT 2190: NULKA Decoy					
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All 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 Hardware Development	WR	Lockheed Martin:Sippican, MA	6.692	0.000		0.000		0.000		-		0.000	0.000	6.692	
Primary Hardware Development	MIPR	BAE Systems:Australia	7.092	0.290	Nov 2011	0.000		0.000		-		0.000	0.000	7.382	
Systems Engineering	WR	NRL:Washington, DC	15.277	1.091	Nov 2011	0.986	Nov 2012	0.896	Nov 2013	-		0.896	Continuing	Continuing	Continuing
Systems Engineering	WR	NWAD:China Lake, CA	0.120	0.000		0.000		0.000		-		0.000	0.000	0.120	
MK 53 System Eng Changes	C/FFP	Sechan:PA	0.150	0.000		0.000		0.000		-		0.000	0.000	0.150	
Systems Engineering	WR	NSWC Dahlgren:Dahlgren, VA	4.953	1.291	Nov 2011	0.929	Nov 2012	1.012	Nov 2013	-		1.012	Continuing	Continuing	Continuing
Systems Engineering	WR	NSMA:VA	0.360	0.000		0.000		0.000		-		0.000	0.000	0.360	
Systems Engineering	WR	NSWC Crane:IN	5.211	0.445	Nov 2011	0.200	Nov 2012	0.270	Nov 2013	-		0.270	Continuing	Continuing	Continuing
Subtotal			39.855	3.117		2.115		2.178		0.000		2.178			
Support (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Development Support	WR	NRL:Washington, DC	1.314	0.000		0.000		0.000		-		0.000	0.000	1.314	
Software Development	WR	NSWC Dahlgren:Dahlgren, VA	2.497	0.000		0.000		0.000		-		0.000	0.000	2.497	
Subtotal			3.811	0.000		0.000		0.000		0.000		0.000	0.000	3.811	



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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2014 Navy</b>												<b>DATE:</b> April 2013			
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)						<b>R-1 ITEM NOMENCLATURE</b> PE 0604757N: Ship Self Def (Engage: Soft Kill/EW)						<b>PROJECT</b> 2190: NULKA Decoy			
<b>Test and Evaluation (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013</b>		<b>FY 2014 Base</b>		<b>FY 2014 OCO</b>		<b>FY 2014 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>All Prior Years</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>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Developmental Test & Evaluation	WR	NSWC Dahlgren:Dahlgren, VA	0.700	0.000		0.000		0.575	Nov 2013	-		0.575	Continuing	Continuing	Continuing
Developmental Test & Evaluation	WR	NRL:Washington, DC	1.181	0.000		0.000		0.500	Nov 2013	-		0.500	Continuing	Continuing	Continuing
Test Assets	WR	NRL:Washington, DC	0.701	0.000		0.000		0.800	Nov 2013	-		0.800	Continuing	Continuing	Continuing
Test Support	WR	OPTEVFOR:Norfolk, VA	0.050	0.000		0.000		0.125	Nov 2013	-		0.125	Continuing	Continuing	Continuing
Test Support	WR	BAE Systems:Australia	0.050	0.000		0.000		0.125	Nov 2013	-		0.125	Continuing	Continuing	Continuing
<b>Subtotal</b>			2.682	0.000		0.000		2.125		0.000		2.125			
<b>Management Services (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013</b>		<b>FY 2014 Base</b>		<b>FY 2014 OCO</b>		<b>FY 2014 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>All Prior Years</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>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Program Management Support	C/CPIF	SPA (SEAPORT):Washington, DC	0.825	0.285	Nov 2011	0.213	Jan 2013	0.281	Nov 2013	-		0.281	Continuing	Continuing	Continuing
Program Management Support	C/FFP	AT&T Gov't Solutions (SEAPORT)::Washington, DC	1.147	0.000		0.000		0.000		-		0.000	0.000	1.147	
Travel	WR	NAVSEA Program Office Travel:Washington, DC	0.541	0.030	Jan 2012	0.024	Nov 2012	0.027	Nov 2013	-		0.027	Continuing	Continuing	Continuing
DoD Acquisition Workforce Fund (DAWDF)	Various	Various:Various	0.015	0.000		0.000		0.000		-		0.000	0.000	0.015	
<b>Subtotal</b>			2.528	0.315		0.237		0.308		0.000		0.308			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy										DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)					R-1 ITEM NOMENCLATURE PE 0604757N: Ship Self Def (Engage: Soft Kill/EW)				PROJECT 2190: NULKA Decoy				
	All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	48.876	3.432		2.352		4.611		0.000		4.611			

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Navy

DATE: April 2013

## APPROPRIATION/BUDGET ACTIVITY

1319: Research, Development, Test & Evaluation, Navy  
BA 5: System Development & Demonstration (SDD)

## R-1 ITEM NOMENCLATURE

PE 0604757N: Ship Self Def (Engage: Soft Kill/EW)

## PROJECT

2190: NULKA Decoy

Fiscal Year	2012				2013				2014				2015				2016				2017				2018			
	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
Acquisition Milestones																												
Production Milestones		▲ CVN DLP Software (started 1Q FY2010)																										
Test & Evaluation Milestones																												
Development Test											▲ LHA 6 Install Certification																	
Operational Test											▲ CVN Class DT																	

Note: CVN Class DT moved from 1Q 2014 to 4Q 2014 based on new CNO availability dates.

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2014 Navy			<b>DATE:</b> April 2013
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 5: <i>System Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0604757N: <i>Ship Self Def (Engage: Soft Kill/EW)</i>	<b>PROJECT</b> 2190: <i>NULKA Decoy</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>Proj 2190</b>				
CVN DLP SOFTWARE	1	2012	2	2012
CVN CLASS DT	4	2014	4	2014
LHA 6 INSTALL CERTIFICATION	3	2014	3	2014

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)					R-1 ITEM NOMENCLATURE PE 0604757N: Ship Self Def (Engage: Soft Kill/EW)				PROJECT 3227: SEWIP Block 2			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 <sup>#</sup>	FY 2014 Base	FY 2014 OCO <sup>##</sup>	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
3227: SEWIP Block 2	135.114	42.804	29.937	5.968	-	5.968	0.600	0.532	0.547	0.558	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0		0	0	0	0	0		
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
The SEWIP Block 2 program is developing an upgraded antenna, receiver, and combat system interface for SLQ-32. The upgrades are necessary in order to pace the threat, improving detection, accuracy, and mitigation of EMI.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)										FY 2012	FY 2013	FY 2014
Title: SEWIP Block 2  Articles:  FY 2012 Accomplishments: Continued E&MD of SEWIP Block 2. Continued integrated testing.  FY 2013 Plans: Continue E&MD of SEWIP Block 2. Complete integrated testing.  FY 2014 Plans: Conduct At-Sea testing. Analyze and correct deficiencies.										42.804	29.937	5.968
										0	0	0
Accomplishments/Planned Programs Subtotals										42.804	29.937	5.968
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost	
• 0204228N/2312: OPN BA-2 AN/SLQ-32(V)	39.902	92.270	203.375		203.375	287.478	263.017	347.335	372.120	Continuing	Continuing	
• 0204575N/1C2C: OMN BA-1 AN/SLQ-32(V)6	0.000	1.442	3.007		3.007	6.808	8.045	14.749	14.978	Continuing	Continuing	

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2014 Navy										<b>DATE:</b> April 2013	
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 5: <i>System Development &amp; Demonstration (SDD)</i>					<b>R-1 ITEM NOMENCLATURE</b> PE 0604757N: <i>Ship Self Def (Engage: Soft Kill/EW)</i>			<b>PROJECT</b> 3227: <i>SEWIP Block 2</i>			
<b>C. Other Program Funding Summary (\$ in Millions)</b>											
			<u>FY 2014</u>	<u>FY 2014</u>	<u>FY 2014</u>					<u>Cost To</u>	
<u>Line Item</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>Base</u>	<u>OCO</u>	<u>Total</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>Complete</u>	<u>Total Cost</u>
<b>Remarks</b>											
<b>D. Acquisition Strategy</b>											
SEWIP will develop Block upgrades to SLQ-32 based on integrating technology advances and adding functional capabilities in an incremental fashion. Each Block and Sub-Block will be developed and contracted in an individual yet coordinated and overlapping fashion.											
<b>E. Performance Metrics</b>											
Successfully achieve Block 2 MS C / LRIP DR.											
Successfully complete Block 2 Initial Operational Test & Evaluation (IOT&E).											
Successfully achieve Block 2 Full Rate Production (FRP) DR.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)						R-1 ITEM NOMENCLATURE PE 0604757N: Ship Self Def (Engage: Soft Kill/EW)				PROJECT 3227: SEWIP Block 2					
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Block 2 E&MD	C/CPIF	Lockheed Martin:Syracuse, NY	64.944	21.583	Nov 2011	10.145	Nov 2012	1.209	Nov 2013	-		1.209	Continuing	Continuing	Continuing
Block 2 Preliminary Development	C/CPIF	Lockheed Martin:Syracuse, NY	17.211	0.000		0.000		0.000		-		0.000	0.000	17.211	
Block 2 SEWTT Development	SS/CPFF	EWA-GSI:Fairmont, WV	0.000	0.750	Dec 2011	0.750	Dec 2012	0.000		-		0.000	Continuing	Continuing	Continuing
Block 2 SEWTT Development	WR	NSWC Crane:Crane, IN	0.000	0.047	Nov 2011	0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Subtotal			82.155	22.380		10.895		1.209		0.000		1.209			
Support (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Block 2 Integrated Logistics Support	WR	NSWC Crane, DD, NRL, APL:Crane, IN; Dahlgren, VA; Washington DC; Laurel, MD	0.769	0.000		0.000		0.000		-		0.000	0.000	0.769	
Block 2 Integrated Logistics Support	WR	NSWC Crane:Crane, IN	2.175	0.783	Nov 2011	1.896	Nov 2012	0.038	Nov 2013	-		0.038	Continuing	Continuing	Continuing
Block 2 Government Engineering Support	WR	NSWC Crane, DD, NRL, APL:Crane, IN; Dahlgren, VA; Washington DC; Laurel, MD	12.214	0.000		0.000		0.000		-		0.000	0.000	12.214	
Block 2 Government Engineering Support	WR	NSWC Dahlgren:Dahlgren, VA	4.767	5.546	Nov 2011	1.932	Nov 2012	0.058	Nov 2013	-		0.058	Continuing	Continuing	Continuing
Block 2 Government Engineering Support	WR	NSWC Crane:Crane, IN	2.369	2.885	Nov 2011	1.286	Nov 2012	0.057	Nov 2013	-		0.057	Continuing	Continuing	Continuing
Block 2 Government Engineering Support	WR	NRL:Washington, DC	2.038	0.934	Dec 2011	1.166	Nov 2012	0.057	Nov 2013	-		0.057	Continuing	Continuing	Continuing

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2014 Navy</b>												<b>DATE:</b> April 2013			
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)						<b>R-1 ITEM NOMENCLATURE</b> PE 0604757N: Ship Self Def (Engage: Soft Kill/EW)						<b>PROJECT</b> 3227: SEWIP Block 2			
<b>Support (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013</b>		<b>FY 2014 Base</b>		<b>FY 2014 OCO</b>		<b>FY 2014 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>All Prior Years</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>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Block 2 Government Engineering Support	SS/CPFF	APL:Laurel, MD	2.320	2.278	Dec 2011	1.913	Dec 2012	0.038	Nov 2013	-		0.038	Continuing	Continuing	Continuing
<b>Subtotal</b>			26.652	12.426		8.193		0.248		0.000		0.248			
<b>Test and Evaluation (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013</b>		<b>FY 2014 Base</b>		<b>FY 2014 OCO</b>		<b>FY 2014 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>All Prior Years</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>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Block 2 Test Planning/T&E Events	WR	NSWC Crane, DD, NRL:Crane, IN; Dahlgren, VA; Washington DC;	1.582	0.000		0.000		0.000		-		0.000	0.000	1.582	
Block 2 Test Planning/T&E Events	WR	NSWC Crane:Crane, IN	0.827	1.551	Nov 2011	1.939	Nov 2012	1.425	Nov 2013	-		1.425	Continuing	Continuing	Continuing
Block 2 Test Planning/T&E Events	WR	NSWC Dahlgren:Dahlgren, VA	0.292	1.028	Nov 2011	2.083	Nov 2012	1.325	Nov 2013	-		1.325	Continuing	Continuing	Continuing
Block 2 Test Planning/T&E Events	WR	NRL:Washington, DC	1.418	1.815	Dec 2011	2.413	Nov 2012	1.325	Nov 2013	-		1.325	Continuing	Continuing	Continuing
Block 2 Test Planning/T&E Events	WR	Surface Combat Systems Center:Wallops Island, VA	0.000	0.442	Jan 2012	1.034	Nov 2012	0.200	Nov 2013	-		0.200	Continuing	Continuing	Continuing
<b>Subtotal</b>			4.119	4.836		7.469		4.275		0.000		4.275			
<b>Management Services (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013</b>		<b>FY 2014 Base</b>		<b>FY 2014 OCO</b>		<b>FY 2014 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>All Prior Years</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>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Block 2 Program Management Support	C/CPIF	SPA (SEAPORT):Washington, DC	3.505	1.240	Nov 2011	1.819	Jan 2013	0.034	Nov 2013	-		0.034	Continuing	Continuing	Continuing



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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY						R-1 ITEM NOMENCLATURE				PROJECT					
1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)						PE 0604757N: Ship Self Def (Engage: Soft Kill/EW)				3227: SEWIP Block 2					
Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Block 2 Program Management Support	WR	NSWC Crane, DD, PHD, NRL:Crane, IN; Dahlgren, VA; PHD CA; Washington DC;	15.069	0.000		0.000		0.000		-		0.000	0.000	15.069	
Block 2 Program Management Support	WR	NSWC Dahlgren:Dahlgren, VA	0.549	0.827	Nov 2011	0.355	Nov 2012	0.034	Nov 2013	-		0.034	Continuing	Continuing	Continuing
Block 2 Program Management Support	WR	NSWC Crane:Crane, IN	0.947	0.255	Nov 2011	0.312	Nov 2012	0.034	Nov 2013	-		0.034	Continuing	Continuing	Continuing
Block 2 Program Management Support	WR	NRL:Washington, DC	0.243	0.218	Dec 2011	0.231	Nov 2012	0.034	Nov 2013	-		0.034	Continuing	Continuing	Continuing
Block 2 Program Management Support	MIPR	Navy Post GraduateSchool:Monterey, CA	0.174	0.000		0.000		0.000		-		0.000	0.000	0.174	
Block 2 Program Management Support	SS/CPFF	APL:Laurel, MD	1.149	0.472	Dec 2011	0.538	Dec 2012	0.000		-		0.000	Continuing	Continuing	Continuing
Block 2 Program Management	WR	NSWC PHD:Port Hueneme, CA	0.061	0.000		0.000		0.000		-		0.000	0.000	0.061	
Block 2 Travel	WR	NAVSEA Program Office Travel:Washington, DC	0.354	0.150	Nov 2011	0.125	Nov 2012	0.100	Nov 2013	-		0.100	Continuing	Continuing	Continuing
Block 2 DoD Acquisition Workforce Fund	Various	Various:Various	0.137	0.000		0.000		0.000		-		0.000	0.000	0.137	
Subtotal			22.188	3.162		3.380		0.236		0.000		0.236			
			All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			135.114	42.804		29.937		5.968		0.000		5.968			
Remarks															

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PE 0604757N: Ship Self Def (Engage: Soft Kill/EW)  
Navy

DATE: April 2013

**APPROPRIATION/BUDGET ACTIVITY**

1319: Research, Development, Test & Evaluation, Navy  
BA 5: System Development & Demonstration (SDD)

### R-1 ITEM NOMENCLATURE

PE 0604757N: *Ship Self Def (Engage: Soft Kill/EW)*

## PROJECT

3227: SEWIP Block 2

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2014 Navy			<b>DATE:</b> April 2013
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 5: <i>System Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0604757N: <i>Ship Self Def (Engage: Soft Kill/EW)</i>	<b>PROJECT</b> 3227: <i>SEWIP Block 2</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Proj 3227</i></b>				
Block 2 New Receiver/Antenna/Interface Development	1	2012	1	2014
Block 2 MS C/LRIP DR	2	2013	2	2013
Block 2 FQT 1	1	2013	1	2013
Block 2 FQT 2	3	2013	3	2013
Block 2 OA	4	2013	4	2013
Block 2 Gov't LBT	1	2013	4	2013
Block 2 TECHEVAL	2	2014	2	2014
Block 2 IOT&E	2	2014	2	2014
Block 2 FRP DR	1	2015	1	2015

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy									DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)					R-1 ITEM NOMENCLATURE PE 0604757N: Ship Self Def (Engage: Soft Kill/EW)				PROJECT 3316: Advanced Offboard EW			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 <sup>#</sup>	FY 2014 Base	FY 2014 OCO <sup>##</sup>	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
3316: Advanced Offboard EW	0.000	22.395	23.211	23.132	-	23.132	73.955	67.045	72.687	73.819	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0		0	0	0	0	0		
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
3316 - The Advanced Offboard EW (AOEW) program is for the development of long duration off-board decoys integrated with onboard systems for EW coordination to counter identified EW gaps (additional details classified) in response to an urgent operational need from the Fleet that has been approved by the CNO for execution. Currently no counter to the threat exists. The program consists of a Rapid Response Effort (RRE) to provide an initial, limited decoy capability to the Fleet by 2014 and a Decoy Development Effort (DDE) culminating in the delivery of a fully supported, full capability system. The RRE (FY12-FY13) consists of the evaluation and integration of commercially available decoys. The DDE (commencing in FY12) concerns the development and evaluation of a long duration, active electronic offboard decoy system (vehicle and payload) and an onboard/offboard EW coordinator fully able to counter the threat.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2012	FY 2013	FY 2014	
Title: AOEW - Decoy Development Effort (DDE)									10.128	19.767	20.632	
									Articles: 0	0	0	
FY 2012 Accomplishments:												
- Initiated Analysis of Alternatives.												
- Conducted systems concept designs and feasibility studies.												
- Initiated development of concepts of operation.												
- Initiated derivation of systems requirements.												
- Initiated interoperability analysis.												
- Initiated acquisition documentation development.												
FY 2013 Plans:												
- Complete Analysis of Alternatives.												
- Conduct design and engineering studies.												
- Continue development of concepts of operation.												
- Continue derivation of systems requirements.												
- Continue interoperability analysis.												
- Continue acquisition documentation development.												
FY 2014 Plans:												

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy										DATE: April 2013		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)					<b>R-1 ITEM NOMENCLATURE</b> PE 0604757N: Ship Self Def (Engage: Soft Kill/EW)					<b>PROJECT</b> 3316: Advanced Offboard EW		
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>										FY 2012	FY 2013	FY 2014
- Continue development of concepts of operation. - Continue interoperability analysis. - Continue acquisition documentation development. - Initiate onboard/offboard EW coordinator development. - Award competitive development contract for decoy preliminary design.												
<b>Title:</b> AOEW - Rapid Response Effort (RRE)										12.267	3.444	2.500
<b>Articles:</b>										0	0	0
<b>FY 2012 Accomplishments:</b> Procured commercially available decoy assets for evaluation. Began integration and testing of decoy capability.												
<b>FY 2013 Plans:</b> Complete evaluation, integration, and testing of decoy capability. Start RRE installation.												
<b>FY 2014 Plans:</b> Develop conops and tactics. Complete RRE installation.												
<b>Accomplishments/Planned Programs Subtotals</b>										22.395	23.211	23.132
<b>C. Other Program Funding Summary (\$ in Millions)</b>												
Line Item	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost	
• OPN/5530: Anti-Ship Missile Decoy System	32.634	31.743	62.361		62.361	70.060	67.715	65.920	67.013	Continuing	Continuing	
<b>Remarks</b>												
<b>D. Acquisition Strategy</b> The AOEW DDE decoy will be competitively contracted and developed, and builds on technologies and concepts currently in development by ONR. For RRE, commercially available decoys will be procured for evaluation, integration and testing.												
<b>E. Performance Metrics</b> For the DDE: Complete Analysis of Alternatives.												

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 5: <i>System Development &amp; Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604757N: <i>Ship Self Def (Engage: Soft Kill/EW)</i>	PROJECT 3316: <i>Advanced Offboard EW</i>
<p>Complete systems requirements definition.</p> <p>For the RRE: Complete evaluation and integration. Complete testing of commercially available decoys.</p>		

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy** **DATE:** April 2013

<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 5: <i>System Development &amp; Demonstration (SDD)</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0604757N: <i>Ship Self Def (Engage: Soft Kill/EW)</i>				<b>PROJECT</b> 3316: <i>Advanced Offboard EW</i>			
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Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Analysis of Alternatives	WR	CNA:Alexandria, VA	0.000	0.800	Feb 2012	0.500	Dec 2012	0.000		-		0.000	0.000	1.300	Continuing
Concept Analysis and Integration Assessment	SS/CPFF	APL:Laurel, MD	0.000	0.750	Apr 2012	2.000	Nov 2012	2.000	Nov 2013	-		2.000	Continuing	Continuing	Continuing
Concept Analysis and Technology Studies	WR	MIT-LL:Boston, MA	0.000	0.000		1.000	Dec 2012	1.000	Nov 2013	-		1.000	Continuing	Continuing	Continuing
Concept Development and Technology Studies	WR	NRL:Washington, D.C.	0.000	4.422	Feb 2012	5.976	Nov 2012	5.467	Nov 2013	-		5.467	Continuing	Continuing	Continuing
Technology Development and Systems Requirements	WR	NSWC Dahlgren:Dahlgren, VA	0.000	0.550	Feb 2012	1.564	Nov 2012	3.450	Nov 2013	-		3.450	Continuing	Continuing	Continuing
Systems Requirements and Integration Studies	WR	NSWC Crane:Crane, IN	0.000	0.915	Feb 2012	1.200	Jan 2013	1.000	Nov 2013	-		1.000	Continuing	Continuing	Continuing
Concept Development and Technology Studies	WR	NAVAIR:Patuxent River, MD	0.000	0.000		0.500	Jan 2013	0.500	Nov 2013	-		0.500	Continuing	Continuing	Continuing
RRE Hardware Development	C/CPIF	Airborne Systems:UK	0.000	7.400	Aug 2012	0.000		0.000		-		0.000	0.000	7.400	Continuing
DDE Technology Development	C/CPIF	TBD:Not specified	0.000	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
<b>Subtotal</b>			0.000	14.837		12.740		13.417		0.000		13.417			

**Remarks**

DDE Technology Development contract will be competed and contractor name and location will be added upon contract award in FY15.

Support (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All 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 Development Support	WR	NRL:Washington, DC	0.000	3.035	Feb 2012	1.235	Nov 2012	2.000	Nov 2013	-		2.000	Continuing	Continuing	Continuing
Government Development and Engineering Support	WR	NSWC Dahlgren:Dahlgren, VA	0.000	1.150	Feb 2012	1.736	Nov 2012	1.700	Nov 2013	-		1.700	Continuing	Continuing	Continuing

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2014 Navy</b>												<b>DATE:</b> April 2013			
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)						<b>R-1 ITEM NOMENCLATURE</b> PE 0604757N: Ship Self Def (Engage: Soft Kill/EW)						<b>PROJECT</b> 3316: Advanced Offboard EW			
<b>Support (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013</b>		<b>FY 2014 Base</b>		<b>FY 2014 OCO</b>		<b>FY 2014 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>All Prior Years</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>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Government Engineering Support	WR	NSWC Crane:Crane, IN	0.000	1.385	Feb 2012	2.950	Jan 2013	2.800	Nov 2013	-		2.800	Continuing	Continuing	Continuing
Government Engineering Support	WR	NSWC Carderock:Bethesda, MD	0.000	0.026	Aug 2012	0.250	Nov 2012	0.250	Nov 2013	-		0.250	Continuing	Continuing	Continuing
Systems Engineering Support	SS/CPFF	APL:Laurel, MD	0.000	0.000		0.550	Nov 2012	0.250	Nov 2013	-		0.250	Continuing	Continuing	Continuing
<b>Subtotal</b>			0.000	5.596		6.721		7.000		0.000		7.000			
<b>Test and Evaluation (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013</b>		<b>FY 2014 Base</b>		<b>FY 2014 OCO</b>		<b>FY 2014 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>All Prior Years</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>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Test Planning and Development Testing	WR	NRL:Washington, DC	0.000	0.250	Feb 2012	1.000	Nov 2012	0.200	Nov 2013	-		0.200	Continuing	Continuing	Continuing
Test Planning and Development Testing	WR	NSWC/Dahlgren:Dahlgren, VA	0.000	0.100	Feb 2012	0.330	Nov 2012	0.200	Nov 2013	-		0.200	Continuing	Continuing	Continuing
Test Planning and Development Testing	WR	NSWC Crane:Crane, IN	0.000	0.200	Feb 2012	0.570	Jan 2013	0.200	Nov 2013	-		0.200	Continuing	Continuing	Continuing
<b>Subtotal</b>			0.000	0.550		1.900		0.600		0.000		0.600			
<b>Management Services (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013</b>		<b>FY 2014 Base</b>		<b>FY 2014 OCO</b>		<b>FY 2014 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>All Prior Years</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>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Program Management Support	C/CPFI	SPA (SEAPORT):Washington, DC	0.000	1.378	Feb 2012	1.800	Jan 2013	2.065	Nov 2013	-		2.065	Continuing	Continuing	Continuing
Travel	WR	NAVSEA Program Office	0.000	0.034	Feb 2012	0.050	Nov 2012	0.050	Nov 2013	-		0.050	Continuing	Continuing	Continuing



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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2014 Navy												<b>DATE:</b> April 2013		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 5: <i>System Development &amp; Demonstration (SDD)</i>						<b>R-1 ITEM NOMENCLATURE</b> PE 0604757N: <i>Ship Self Def (Engage: Soft Kill/EW)</i>						<b>PROJECT</b> 3316: <i>Advanced Offboard EW</i>		

  

Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total					
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
		Travel:Washington, DC															
<b>Subtotal</b>			0.000	1.412		1.850		2.115		0.000		2.115					

  

	All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>	0.000	22.395		23.211		23.132		0.000		23.132			

  

**Remarks**

**UNCLASSIFIED**

**Exhibit R-4, RDT&E Schedule Profile: PB 2014 Navy** **DATE:** April 2013

<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 5: <i>System Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0604757N: <i>Ship Self Def (Engage: Soft Kill/EW)</i>	<b>PROJECT</b> 3316: <i>Advanced Offboard EW</i>
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Fiscal Year	2012				2013				2014				2015				2016				2017				2018			
	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
Acquisition Milestones (TBD)																												
Development																												
Test & Evaluation  Development Test																												

**RRE: Rapid Response Effort**

**DDE: Decoy Development Effort**

**UNCLASSIFIED**

<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2014 Navy			<b>DATE:</b> April 2013
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 5: <i>System Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0604757N: <i>Ship Self Def (Engage: Soft Kill/EW)</i>	<b>PROJECT</b> 3316: <i>Advanced Offboard EW</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Proj 3316</i></b>				
RRE Integration	2	2012	4	2013
DDE Analysis of Alternatives	2	2012	3	2013
DDE System Development	2	2012	4	2018
DDE System Integration	2	2012	4	2018
RRE Test	3	2012	4	2013
RRE Installation	4	2013	4	2014

**UNCLASSIFIED**

Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)					R-1 ITEM NOMENCLATURE PE 0604757N: Ship Self Def (Engage: Soft Kill/EW)				PROJECT 3321.: SEWIP Block 3			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 <sup>#</sup>	FY 2014 Base	FY 2014 OCO <sup>##</sup>	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
3321.: SEWIP Block 3	14.691	92.422	77.495	108.300	-	108.300	91.201	49.374	45.169	45.869	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0		0	0	0	0	0		
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
Note												
Decrease in FY14 funding is due to equipment testing phase.												
A. Mission Description and Budget Item Justification												
SEWIP Block 3 will provide an Electronic Attack (EA) capability improvement required for the AN/SLQ-32(V) system to keep pace with the threat. SEWIP Block 3 will provide a common EA capability to all surface combatants (CVN, CG, DDG, LHD) outfitted with the active variant of the AN/SLQ-32, mainly the (V)3 and (V)4, as well as select new-construction platforms.												
The SEWIP Block 3 Acquisition leverages technology developed under the Office of Naval Research's (ONR) Integrated Topside (InTop) Science and Technology (S&T) effort. SEWIP Block 3 will continue to expand the integrated shipboard combat system by providing a new integrated Electronic Attack (EA) transmitter, array, and associated EA techniques. The program builds on the EW Support (ES) capability delivered by SEWIP Blocks 1 and 2.												
SEWIP Block 3 includes development and initial, limited interim capability by 2014 of a focused application of the Naval Research Lab (NRL) Transportable EW Module (TEWM) system to support an urgent operational need.												
The TEWM Speed to Fleet effort develops the TEWM system capability for engaging a wide range of anti-ship missile seekers to address the broader EW capability gap. This effort provides the resources to refine and accelerate the design, make it suitable for operational shipboard application, and implements a network command protocol to efficiently allow use on broad class of ships.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2012	FY 2013	FY 2014	
Title: SEWIP Block 3									23.327	19.452	18.010	
Articles:									0	0	0	
FY 2012 Accomplishments:												
Commenced MS B preparation; including System Engineering, Technology Readiness Assessment (TRA), and acquisition documentation.												
FY 2013 Plans:												
Complete MS B preparation, Technology Readiness Assessment (TRA), and acquisition documentation.												

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy			DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)		R-1 ITEM NOMENCLATURE PE 0604757N: Ship Self Def (Engage: Soft Kill/EW)	PROJECT 3321.: SEWIP Block 3		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)			FY 2012	FY 2013	FY 2014
Continue Systems Engineering.					
FY 2014 Plans: Continue Systems Engineering and Acquisition Process Management.					
Title: SEWIP Block 3 Development  Articles:			0.000	33.552 0	79.297 0
FY 2013 Plans: Commence Preliminary Design.					
FY 2014 Plans: Commence Engineering and Manufacturing Development (E&MD).					
Title: SEWIP Block 3 ADM Integration and Test  Articles:			12.359 0	0.000	0.000
FY 2012 Accomplishments: Completed SEWIP Block 3 INTOP ADM Integration and Test					
Title: SEWIP Block 3 ADM Hardware and Software  Articles:			11.780 0	0.000	0.000
FY 2012 Accomplishments: Completed Hardware and Software prototyping of the INTOP ADM, including Design, Code, and Unit Test.					
Title: SEWIP Block 3 ADM Design  Articles:			13.056 0	0.000	0.000
FY 2012 Accomplishments: Completed Non-recurring Hardware Design of the INTOP ADM Integration and Test.					
Title: TEWM Development  Articles:			25.910 0	16.599 0	0.996 0
FY 2012 Accomplishments: Commenced development of modifications to the TEWM system.					
FY 2013 Plans: Continue development of modifications to the TEWM system.					
FY 2014 Plans:					

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy		DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604757N: Ship Self Def (Engage: Soft Kill/EW)	PROJECT 3321.: SEWIP Block 3		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2012	FY 2013	FY 2014
Complete development of modifications to the TEWM system.				
Title: TEWM Testing  Articles:  FY 2012 Accomplishments: Commenced TEWM test planning and coordination. Commenced TEWM Simulator and Radar test platform support.  FY 2013 Plans: Continue TEWM test planning and coordination. Continue TEWM Simulator and Radar test platform support. Commence testing.  FY 2014 Plans: Complete TEWM testing. Complete TEWM Simulator and Radar test platform support.		4.730 0	2.994 0	6.954 0
Title: TEWM System Engineering  Articles:  FY 2012 Accomplishments: Commenced TEWM systems engineering.  FY 2013 Plans: Continue TEWM systems engineering and integration.  FY 2014 Plans: Complete TEWM systems engineering and integration.		1.260 0	0.907 0	2.050 0
Title: Speed to Fleet- Transportable Electronic Warfare Module (TEWM)  Articles:  FY 2013 Plans: - Refine design shortfalls based on operator feedback and FY 2012 test results. - Conduct local field testing of all improvements design, and complete drawings. - Complete and deliver two units.  FY 2014 Plans:		0.000	3.991 0	0.993 0

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy										DATE: April 2013		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)				<b>R-1 ITEM NOMENCLATURE</b> PE 0604757N: Ship Self Def (Engage: Soft Kill/EW)				<b>PROJECT</b> 3321.: SEWIP Block 3				
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>										FY 2012	FY 2013	FY 2014
- Test equipment at sea.												
<b>Accomplishments/Planned Programs Subtotals</b>										92.422	77.495	108.300
<b>C. Other Program Funding Summary (\$ in Millions)</b>												
Line Item	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost	
• 0204228N/2312: AN/SLQ-32	39.902	92.270	203.375		203.375	287.478	263.017	347.335	372.120	Continuing	Continuing	
<b>Remarks</b>												
<b>D. Acquisition Strategy</b> SEWIP will develop block upgrades to SLQ-32 based on integrating technology advances and adding functional capabilities in an incremental fashion. Each block and sub-block will be developed and contracted in an individual yet coordinated and overlapping fashion. Specifically, SEWIP Block 3 involves the transitioning and leveraging of work performed under the INTOP program sponsored by ONR, which focused on designing/architecting an integrated Electronic Attack (EA), Information Operations (IO), and Line of Site (LOS) Comms system for Naval Surface Platforms. SEWIP Block 3 also leverages work performed under the TEWM program that is sponsored by NRL that focuses on technique development and active engagement analysis/modeling for Naval surface combatants. TEWM is a non-acquisition development and demonstration program to rapidly deliver advanced counter terminal EW capability in a transportable form factor for Fleet application. The units developed under this Speed to Fleet project provides a rapidly deployable capability. Multiple copies of the first articles can be rapidly replicated depending on operational needs.												
<b>E. Performance Metrics</b> Achieve Block 3 Milestone B. Achieve Block 3 MS C / LRIP DR. Complete TEWM development. Complete TEWM integration and testing. Complete laboratory and at-sea testing against captive carry simulators.												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)						R-1 ITEM NOMENCLATURE PE 0604757N: Ship Self Def (Engage: Soft Kill/EW)				PROJECT 3321.: SEWIP Block 3					
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Block 3 Technology Demonstration	SS/CPFF	Northrop Grumman: Linthicum, MD:Raytheon: Tewksbury, MA	0.000	37.195	Dec 2011	0.000		0.000		-		0.000	0.000	37.195	
TEWM Primary Hardware Development	C/CPFF	ITT Exelis:Alexandria, VA	0.000	25.910	Feb 2012	18.787	Nov 2012	0.996	Nov 2013	-		0.996	Continuing	Continuing	Continuing
Block 3 Preliminary Design	C/CPIF	TBD:TBD	0.000	0.000		33.052	Nov 2013	13.900	Nov 2013	-		13.900	0.000	46.952	
Block 3 E&MD	C/CPIF	TBD:TBD	0.000	0.000		0.000		64.197	Mar 2014	-		64.197	Continuing	Continuing	Continuing
Block 3 SEWTT Development	SS/CPFF	EWA-GSI:Fairmont, WV	0.100	0.500	Dec 2011	0.500	Dec 2012	1.200	Nov 2013	-		1.200	Continuing	Continuing	Continuing
Subtotal			0.100	63.605		52.339		80.293		0.000		80.293			
Remarks TEWM is a new development effort beginning in FY12. Block 3 Preliminary Design and E&MD contracts will be competed and contractor name and location will be added upon contract award.															
Support (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Block 3 Integrated Logistics Support	WR	NSWC Crane:Crane, IN	0.391	2.190	Nov 2011	1.113	Nov 2012	0.707	Nov 2013	-		0.707	Continuing	Continuing	Continuing
Block 3 Government Engineering Support	WR	NSWC Dahlgren:Dahlgren, VA	0.578	2.062	Nov 2011	1.015	Nov 2012	0.642	Nov 2013	-		0.642	Continuing	Continuing	Continuing
Block 3 Government Engineering Support	WR	NSWC Crane:Crane, IN	0.087	0.874	Nov 2011	0.484	Nov 2012	0.316	Nov 2013	-		0.316	Continuing	Continuing	Continuing
Block 3 Government Engineering Support	WR	NRL:Washington, DC	2.110	2.899	Dec 2011	2.845	Nov 2012	1.801	Nov 2013	-		1.801	Continuing	Continuing	Continuing
Block 3 Government Engineering Support	SS/CPFF	APL:Laurel, MD	0.711	3.208	Dec 2011	2.398	Nov 2012	1.485	Nov 2013	-		1.485	Continuing	Continuing	Continuing



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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2014 Navy</b>												<b>DATE:</b> April 2013			
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 5: <i>System Development &amp; Demonstration (SDD)</i>						<b>R-1 ITEM NOMENCLATURE</b> PE 0604757N: <i>Ship Self Def (Engage: Soft Kill/EW)</i>						<b>PROJECT</b> 3321.: <i>SEWIP Block 3</i>			
<b>Support (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013</b>		<b>FY 2014 Base</b>		<b>FY 2014 OCO</b>		<b>FY 2014 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>All Prior Years</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>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Block 3 Government Engineering Support	WR	MIT-LL:Cambridge, MA	0.000	0.700	Dec 2011	0.812	Jan 2013	1.234	Nov 2013	-		1.234	Continuing	Continuing	Continuing
Block 3 Government Engineering Support	WR	GTRI:Atlanta, GA	0.000	0.700	Dec 2011	0.471	Apr 2013	1.234	Nov 2013	-		1.234	Continuing	Continuing	Continuing
TEWM Systems Engineering	WR	NRL:Washington, DC	9.000	1.260	Dec 2011	0.907	Nov 2012	2.050	Nov 2013	-		2.050	0.000	13.217	Continuing
<b>Subtotal</b>			12.877	13.893		10.045		9.469		0.000		9.469			
<b>Test and Evaluation (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013</b>		<b>FY 2014 Base</b>		<b>FY 2014 OCO</b>		<b>FY 2014 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>All Prior Years</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>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Block 3 Test Planning/T&E Events	WR	NSWC Dahlgren:Dahlgren, VA	0.011	1.475	Nov 2011	1.169	Nov 2012	1.286	Nov 2013	-		1.286	Continuing	Continuing	Continuing
Block 3 Test Planning/T&E Events	WR	NSWC Crane:Crane, IN	0.012	0.961	Nov 2011	0.830	Nov 2012	0.916	Nov 2013	-		0.916	Continuing	Continuing	Continuing
Block 3 Test Planning/T&E Events	WR	NRL:Washington, DC	0.244	2.107	Dec 2011	2.903	Nov 2012	3.232	Nov 2013	-		3.232	Continuing	Continuing	Continuing
TEWM Test ing	WR	NRL:Washington, DC	0.000	2.049	Dec 2011	2.994	Nov 2012	6.954	Nov 2013	-		6.954	0.000	11.997	Continuing
Developmental Test and Evaluation (Speed to Fleet)	Reqn	NRL:Washington DC	0.000	0.000		3.991	Oct 2012	0.993	Feb 2014	-		0.993	0.000	4.984	4.984
<b>Subtotal</b>			0.267	6.592		11.887		13.381		0.000		13.381			
<b>Remarks</b> TEWM is a new development effort beginning in FY12.															

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2014 Navy</b>												<b>DATE:</b> April 2013			
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)						<b>R-1 ITEM NOMENCLATURE</b> PE 0604757N: Ship Self Def (Engage: Soft Kill/EW)						<b>PROJECT</b> 3321.: SEWIP Block 3			
<b>Management Services (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013</b>		<b>FY 2014 Base</b>		<b>FY 2014 OCO</b>		<b>FY 2014 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>All Prior Years</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>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Block 3 Program Management Supoort	C/CPIF	SPA (SEAPORT):Washington, DC	1.228	5.099	Nov 2011	0.000		2.188	Nov 2013	-		2.188	Continuing	Continuing	Continuing
Block 3 Program Management Supoort	WR	NSWC Dahlgren:Dahlgren, VA	0.029	0.972	Nov 2011	0.947	Nov 2012	0.848	Nov 2013	-		0.848	Continuing	Continuing	Continuing
Block 3 Program Management Supoort	WR	NSWC Crane:Crane, IN	0.044	1.077	Nov 2011	0.963	Nov 2012	0.879	Nov 2013	-		0.879	Continuing	Continuing	Continuing
Block 3 Program Management Supoort	WR	NRL:Washington, DC	0.118	1.084	Dec 2011	1.214	Nov 2012	1.117	Nov 2013	-		1.117	Continuing	Continuing	Continuing
Block 3 Travel	WR	NAVSEA Program Office:Washington, DC	0.028	0.100	Nov 2011	0.100	Nov 2012	0.125	Nov 2013	-		0.125	Continuing	Continuing	Continuing
<b>Subtotal</b>			1.447	8.332		3.224		5.157		0.000		5.157			
			<b>All Prior Years</b>	<b>FY 2012</b>		<b>FY 2013</b>		<b>FY 2014 Base</b>		<b>FY 2014 OCO</b>		<b>FY 2014 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>			14.691	92.422		77.495		108.300		0.000		108.300			
<b>Remarks</b>															

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**Exhibit R-4, RDT&E Schedule Profile: PB 2014 Navy**

**DATE:** April 2013

**APPROPRIATION/BUDGET ACTIVITY**

1319: Research, Development, Test & Evaluation, Navy  
BA 5: System Development & Demonstration (SDD)

**R-1 ITEM NOMENCLATURE**

PE 0604757N: Ship Self Def (Engage: Soft Kill/EW)

**PROJECT**

3321.: SEWIP Block 3

	2012				2013				2014				2015				2016				2017				2018			
Fiscal Year	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
Acquisition Milestones																												
Development																												
Test and Evaluation																												
Milestones																												
Development Test																												
Operational Test																												

\* TEWM Speed to Fleet efforts are managed and executed by BSO 14 (ONR)

\*\* Integrated testing includes Govt Land Based Testing and FQT events.

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2014 Navy			<b>DATE:</b> April 2013
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 5: <i>System Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0604757N: <i>Ship Self Def (Engage: Soft Kill/EW)</i>	<b>PROJECT</b> 3321.: <i>SEWIP Block 3</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>Proj 3321.L24</b>				
Block 3 Technology Demonstration	1	2012	4	2012
TEWM Development	1	2012	1	2014
TEWM Speed to Fleet Development (*Efforts are managed and executed by BSO 14 (ONR))	1	2013	4	2013
Block 3 Preliminary Design	1	2014	3	2014
TEWM Testing	3	2013	4	2014
Block 3 MS B DR	2	2014	2	2014
TEWM Speed to Fleet Testing (*Efforts are managed and executed by BSO 14 (ONR))	1	2014	4	2014
Block 3 Engineering and Manufacturing Development (E&MD)	2	2014	2	2017
Block 3 Integrated Testing	4	2016	4	2018
Block 3 Operational Assessment	1	2017	1	2017
Block 3 MS C/LRIP DR	2	2017	2	2017
Block 3 IOT&E	4	2018	4	2018

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy										DATE: April 2013		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)					<b>R-1 ITEM NOMENCLATURE</b> PE 0604757N: Ship Self Def (Engage: Soft Kill/EW)				<b>PROJECT</b> 3362: E-NULKA			
<b>COST (\$ in Millions)</b>	<b>All Prior Years</b>	<b>FY 2012</b>	<b>FY 2013<sup>#</sup></b>	<b>FY 2014 Base</b>	<b>FY 2014 OCO <sup>##</sup></b>	<b>FY 2014 Total</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
3362: E-NULKA	0.000	0.000	0.000	4.867	-	4.867	22.766	40.453	46.245	20.114	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0		0	0	0	0	0		
<sup>#</sup> FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012 <sup>##</sup> The FY 2014 OCO Request will be submitted at a later date												
<b>A. Mission Description and Budget Item Justification</b> E-Nulka is an upgrade to the Nulka decoy to expand frequency coverage to counter an emerging class of Anti-Ship Missiles (ASMs) for which no active countermeasure currently exists. The Program supports the engineering development of the payload receiver, signal processor and transmitter, construction of complete payloads, integration of the completed payload with the Nulka vehicle, and subsequent technical and operational assessment.												
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>										<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>
<b>Title:</b> E-Nulka Decoy										0.000	0.000	4.867
<b>Articles:</b>												0
<b>FY 2014 Plans:</b> Define system requirements and specifications. Conduct modeling and simulation. Develop Acquisition Documentation.												
<b>Accomplishments/Planned Programs Subtotals</b>										0.000	0.000	4.867
<b>C. Other Program Funding Summary (\$ in Millions)</b> N/A												
<b>Remarks</b>												
<b>D. Acquisition Strategy</b> E-Nulka is a new start program in FY14 which supports the engineering development/enhancement of the payload receiver, transmitter, signal processor and power supply. The E-Nulka payload will be competitively contracted and developed to be integrated into the existing Nulka flight vehicle. The payload builds on technologies and concepts currently in development by the Office of Naval Research (ONR).												
<b>E. Performance Metrics</b> Complete system requirements development. Complete system development and integration.												

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 5: <i>System Development &amp; Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604757N: <i>Ship Self Def (Engage: Soft Kill/EW)</i>	PROJECT 3362: <i>E-NULKA</i>
Complete development testing.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)						R-1 ITEM NOMENCLATURE PE 0604757N: Ship Self Def (Engage: Soft Kill/EW)				PROJECT 3362: E-NULKA					
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All 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	MIPR	BAE Systems:Australia	0.000	0.000		0.000		0.900	Nov 2013	-		0.900	Continuing	Continuing	Continuing
Systems Engineering	WR	NRL:Washington, D.C.	0.000	0.000		0.000		1.852	Nov 2013	-		1.852	Continuing	Continuing	Continuing
Systems Engineering	WR	NSWC Dahlgren:Dahlgren, VA	0.000	0.000		0.000		0.650	Nov 2013	-		0.650	Continuing	Continuing	Continuing
Systems Engineering	WR	NSWC Crane:Crane, IN	0.000	0.000		0.000		0.400	Nov 2013	-		0.400	Continuing	Continuing	Continuing
Subtotal			0.000	0.000		0.000		3.802		0.000		3.802			
Support (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All 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 Development Support	WR	NRL:Washington, D.C.	0.000	0.000		0.000		0.100	Nov 2013	-		0.100	Continuing	Continuing	Continuing
Government Development and Engineering Support	WR	NSWC Dahlgren:Dahlgren, VA	0.000	0.000		0.000		0.100	Nov 2013	-		0.100	Continuing	Continuing	Continuing
Government Engineering Support	WR	NSWC Crane:Crane, IN	0.000	0.000		0.000		0.100	Nov 2013	-		0.100	Continuing	Continuing	Continuing
Subtotal			0.000	0.000		0.000		0.300		0.000		0.300			
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All 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 Planning and Developmental Testing	WR	NRL:Washington, D.C.	0.000	0.000		0.000		0.167	Nov 2013	-		0.167	Continuing	Continuing	Continuing

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2014 Navy</b>												<b>DATE:</b> April 2013			
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 5: <i>System Development &amp; Demonstration (SDD)</i>						<b>R-1 ITEM NOMENCLATURE</b> PE 0604757N: <i>Ship Self Def (Engage: Soft Kill/EW)</i>						<b>PROJECT</b> 3362: <i>E-NULKA</i>			
<b>Test and Evaluation (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013</b>		<b>FY 2014 Base</b>		<b>FY 2014 OCO</b>		<b>FY 2014 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>All Prior Years</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>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Test & Evaluation Plan	WR	NSWC Dahlgren:Dahlgren, VA	0.000	0.000		0.000		0.167	Nov 2013	-		0.167	Continuing	Continuing	Continuing
Test & Evaluation Plan	WR	NSWC Crane:Crane, IN	0.000	0.000		0.000		0.166	Nov 2013	-		0.166	Continuing	Continuing	Continuing
<b>Subtotal</b>			0.000	0.000		0.000		0.500		0.000		0.500			
<b>Management Services (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013</b>		<b>FY 2014 Base</b>		<b>FY 2014 OCO</b>		<b>FY 2014 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>All Prior Years</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>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Program Management Support	C/CPIF	SPA (SEAPORT):Washington, D.C.	0.000	0.000		0.000		0.250	Nov 2013	-		0.250	Continuing	Continuing	Continuing
Travel	WR	NAVSEA Program Office Travel:Washington, D.C.	0.000	0.000		0.000		0.015	Nov 2013	-		0.015	Continuing	Continuing	Continuing
<b>Subtotal</b>			0.000	0.000		0.000		0.265		0.000		0.265			
			<b>All Prior Years</b>	<b>FY 2012</b>		<b>FY 2013</b>		<b>FY 2014 Base</b>		<b>FY 2014 OCO</b>		<b>FY 2014 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>			0.000	0.000		0.000		4.867		0.000		4.867			
<b>Remarks</b>															



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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2014 Navy</b>																								<b>DATE:</b> April 2013				
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 5: <i>System Development &amp; Demonstration (SDD)</i>												<b>R-1 ITEM NOMENCLATURE</b> PE 0604757N: <i>Ship Self Def (Engage: Soft Kill/EW)</i>								<b>PROJECT</b> 3362: <i>E-NULKA</i>								
Fiscal Year	2012				2013				2014				2015				2016				2017				2018			
	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
Acquisition Milestones (TBD)																												
System s Development Milestones																												
									REQUIREMENTS DEVELOPMENT																			
													SYSTEM DEVELOPMENT & INTEGRATION															
Test & Evaluation Milestones																												
Development Test																									DEV. TESTING			

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Navy			DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604757N: Ship Self Def (Engage: Soft Kill/EW)	PROJECT 3362: E-NULKA	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 3362				
Requirements Development	1	2014	2	2015
System Development	3	2015	1	2018
Development Testing	2	2018	4	2018