

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Navy										Date: February 2015		
Appropriation/Budget Activity 1319: Research, Development, Test & Evaluation, Navy I BA 5: System Development & Demonstration (SDD)					R-1 Program Element (Number/Name) PE 0604757N I Ship Self Def (Engage: Soft Kill/EW)							
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
Total Program Element	931.849	112.901	116.904	116.798	-	116.798	132.627	114.969	140.781	144.085	Continuing	Continuing
0954: Shipboard EW Improvement Program	452.776	17.606	8.986	14.543	-	14.543	14.978	15.328	15.784	16.111	Continuing	Continuing
2190: NULKA Decoy	54.575	4.472	4.651	1.860	-	1.860	2.032	2.139	7.099	7.240	Continuing	Continuing
3227: SEWIP Block 2	206.790	10.654	0.400	0.412	-	0.412	0.424	0.435	0.448	0.457	Continuing	Continuing
3316: Advanced Offboard EW	47.740	23.521	43.131	39.881	-	39.881	48.662	59.502	79.630	81.646	Continuing	Continuing
3321.: SEWIP Block 3	169.968	56.635	59.736	60.102	-	60.102	66.531	37.565	37.820	38.631	Continuing	Continuing
3362: E-NULKA	0.000	0.013	-	-	-	-	-	-	-	-	-	0.013

Program MDAP/MAIS Code: 582

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 counter 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 and a Decoy Development Effort (DDE) culminating in the delivery of a fully supported, full capability system. The RRE (FY12-FY14) consists of the evaluation and integration of commercially available decoys. The DDE (commenced in FY12) consists of the development and evaluation of a long duration, active electronic offboard decoy

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Navy			Date: February 2015			
Appropriation/Budget Activity 1319: Research, Development, Test & Evaluation, Navy I BA 5: System Development & Demonstration (SDD)		R-1 Program Element (Number/Name) PE 0604757N I Ship Self Def (Engage: Soft Kill/EW)				
system (payload only) integrated on an existing flight vehicle and an onboard/offboard EW coordinator fully able to counter the threat. FY14 funding was also used for fabrication, installation and testing of a Quick Reaction Capability in response to a Fleet Urgent Operational Needs Statement (UONS).						
3321 - SEWIP Block 3 is developing an Electronic Attack (EA) capability improvement required for the AN/SLQ-32(V) system to keep pace with the threat. SEWIP Block 3 is developing 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 a government software development effort for a SoftKill Coordinator (SKC) to manage EA engagements.						
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) systems to support CNO Urgent Operational Needs (UON). Block 3T is the TEWM system supporting the 7th fleet UON. TEWM Speed to Fleet (STF) is the TEWM system supporting the 6th fleet UON.						
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. The program has been delayed until FY15 at which time the program will transfer to a classified portion of the budget due to changes in the security classification guidance.						
B. Program Change Summary (\$ in Millions)		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Previous President's Budget		114.799	134.564	97.478	-	97.478
Current President's Budget		112.901	116.904	116.798	-	116.798
Total Adjustments		-1.898	-17.660	19.320	-	19.320
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-	-17.660			
• Congressional Rescissions		-	-			
• Congressional Adds		-	-			
• Congressional Directed Transfers		-	-			
• Reprogrammings		-	-			
• SBIR/STTR Transfer		-1.899	-			
• Program Adjustments		-	-	20.000	-	20.000
• Rate/Misc Adjustments		0.001	-	-0.680	-	-0.680

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Navy		Date: February 2015
Appropriation/Budget Activity 1319: Research, Development, Test & Evaluation, Navy / BA 5: System Development & Demonstration (SDD)	R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)	
<u>Change Summary Explanation</u> FY 2014 reductions are due to SBIR/STTR transfer and rate/misc adjustments. FY 2016 changes reflects increase to accelerate SEWIP Block 3 IOC and rate/misc adjustments.		

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy										Date: February 2015		
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)				Project (Number/Name) 0954 / Shipboard EW Improvement Program			
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
0954: Shipboard EW Improvement Program	452.776	17.606	8.986	14.543	-	14.543	14.978	15.328	15.784	16.111	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

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 counter 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 Rapid Capability Insertion Program (RCIP) identifies joint force ASM capability gaps by analyzing EW baseline and fleet requirements, 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. EW RCIP will identify and select candidate technologies based on technical maturity and ability to meet the gaps within programmatic (lifecycle cost, schedule, risk) constraints.

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

	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title: Block 1B3	8.084	0.600	-	-	-
Articles:	-	-	-	-	-
FY 2014 Accomplishments: Completed integration and testing of EDMs. Conducted At-Sea testing.					
FY 2015 Plans: Analyze and correct deficiencies.					
FY 2016 Base Plans:					

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy				Date: February 2015		
Appropriation/Budget Activity 1319 / 5		R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)		Project (Number/Name) 0954 / Shipboard EW Improvement Program		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
N/A						
FY 2016 OCO Plans: N/A						
Title: EW RCIP		9.522	8.386	14.543	-	14.543
Articles:		-	-	-	-	-
FY 2014 Accomplishments: Identified EW technology shortfalls based on the current and emerging ASM threats and fleet requirements. Solicited industry, University Affiliate Research Centers, and government activities for technical solutions. Evaluated and selected RCIP technology candidates. Awarded RCIP #3 contract to ensure scalability of the SEWIP system to address the self-defense gap on additional platforms. Awarded RCIP #3 contract for SEWIP training upgrades. Evaluated RCIP technologies production readiness. Successfully demonstrated and validated RCIP capabilities.						
FY 2015 Plans: Perform RCIP #2 Testing and Software Certification for HGHS threat libraries. Continue RCIP #3 contract to ensure scalability of the SEWIP system to address the self-defense gap on additional platforms. Initiate RCIP #4 joint contractor /government effort to integrate SEWIP capabilities into Aegis Baseline 9.C2 to address the Aegis platform gaps for automatic and semi-automatic engagements using NULKA and Chaff decoys; commence actions to address classification and tracking gaps through software changes and certification activities. Identify additional EW technology shortfalls based on the current and emerging ASM threats and fleet requirements, Solicit industry, University Affiliate Research Centers, and government activities for technical solutions; Evaluate and select RCIP technology candidates; Evaluate RCIP technologies production readiness.						
FY 2016 Base Plans: Investigate and finalize EW cost saving improvement initiatives to reduce life-cycle costs to SEWIP. Deliver the RCIP #2 HGHS software/firmware upgraded loads using load and threat libraries. Complete RCIP #3 contract to ensure scalability of the SEWIP system to address the self-defense gap on additional platforms.						

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy									Date: February 2015		
Appropriation/Budget Activity 1319 / 5				R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)				Project (Number/Name) 0954 / Shipboard EW Improvement Program			
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)							FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Continue RCIP #4 Aegis Baseline 9.C2 integration efforts to address platform gaps for automatic and semi-automatic engagements using NULKA and Chaff decoys and to perform radar cued engagements; Initiate software development and software coding activities in accordance with approved critical design and begin system integration and testing of the technology for increased performance in the host platform; achieve technology improvements for classification and tracking gaps. Award RCIP #5 contract to address Electro Optics/Infrared (EO/IR) EW capabilities gap and supporting documentation. Identify additional EW technology shortfalls based on the current and emerging ASM threats and fleet requirements, Solicit industry, University Affiliate Research Centers, and government activities for technical solutions; Evaluate and select RCIP technology candidates; Evaluate RCIP technologies production readiness. FY 2016 OCO Plans: N/A											
Accomplishments/Planned Programs Subtotals							17.606	8.986	14.543	-	14.543
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
• 0204228N/2312: OPN BA-2 AN/SLQ-32(V)	150.353	195.082	324.726	-	324.726	412.526	427.934	443.407	546.733	Continuing	Continuing
• 24575N & 72827N/1C2C: OMN BA-1 AN/SLQ-32(V)	7.527	6.943	7.113	-	7.113	8.104	7.989	8.104	8.265	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.											

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy		Date: February 2015
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604757N / <i>Ship Self Def (Engage: Soft Kill/EW)</i>	Project (Number/Name) 0954 / <i>Shipboard EW Improvement Program</i>
Successfully identify RCIP capabilities. Successfully identify and assess RCIP Science & Technology candidates. Award development contract for RCIP #1. Successfully demonstrate and validate RCIP capabilities. Award development contract for RCIP #2. Award development contract for RCIP #3. Award development contract for RCIP #4. Award development contract for RCIP #5.		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy												Date: February 2015			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)				Project (Number/Name) 0954 / Shipboard EW Improvement Program					
Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Ancillary Hardware Development	Various	Various : Various	151.420	-		-		-		-		-	-	151.420	-
ESE Development	SS/CPFF	Northrop Grumman : Goleta, CA	13.037	-		-		-		-		-	-	13.037	-
ICAD Development	SS/CPFF	GD-AIS : Fairfax, VA	11.747	-		-		-		-		-	-	11.747	-
ESE Development (Block 1A)	SS/CPFF	Northrop Grumman : Goleta, CA	0.471	-		-		-		-		-	-	0.471	-
System Integrator	C/CPAF	GD-AIS : Fairfax, VA	13.798	-		-		-		-		-	-	13.798	-
1B Development	SS/CPIF	GD-AIS : Fairfax, VA	86.292	-		-		-		-		-	-	86.292	-
Q-70 Mods	C/CPFF	LM-EAGAN : Eagan, MN	3.491	-		-		-		-		-	-	3.491	-
Block 2 Study/ Development	C/CPIF	BAE : Nashua, NH	0.336	-		-		-		-		-	-	0.336	-
ALQ210 Integration	WR	NSWC Dahlgren : Dahlgren, VA	10.345	-		-		-		-		-	-	10.345	-
Rapid Capability Insertion Process (RCIP) #1	C/CPIF	Lockheed Martin : Syracuse, NY	2.000	-		-		-		-		-	-	2.000	-
RCIP #1	WR	NSWC Dahlgren : Dahlgren, VA	0.650	-		-		-		-		-	-	0.650	-
RCIP #2	SS/CPFF	Northrop Grumman : Goleta, CA	2.514	-		-		-		-		-	-	2.514	-
RCIP #2	SS/FFP	GD-AIS : Fairfax, VA	0.734	-		-		-		-		-	-	0.734	-
RCIP #3	SS/CPFF	EWA-GSI : Fairmont, WV	0.000	1.978	Mar 2014	-		-		-		-	Continuing	Continuing	Continuing
RCIP #3	WR	ONR/ACI : Washington, DC	0.000	1.530	Mar 2014	0.800	Feb 2015	0.900	Oct 2015	-		0.900	Continuing	Continuing	Continuing
RCIP #4 & #5	TBD	TBD : TBD	0.000	-		0.209	Mar 2015	6.251	Mar 2016	-		6.251	Continuing	Continuing	Continuing
Subtotal			296.835	3.508		1.009		7.151		-		7.151	-	-	-
Remarks Product Development for RCIP #4 and #5 will be competitively awarded.															

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy												Date: February 2015			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)				Project (Number/Name) 0954 / Shipboard EW Improvement Program					
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Block 1 Integrated Logistics Support	WR	NSWC Crane, DD, NRL, APL : Crane, IN; Dahlgren, VA; Washington, DC; Laurel,MD	9.912	-		-		-		-		-	-	9.912	-
Block 1 Integrated Logistics Support	WR	NSWC Crane : Crane, IN	2.770	0.648	Nov 2013	-		-		-		-	-	3.418	-
Block 1 Integrated Logistics Support	WR	NSWC DD : Dahlgren, VA	0.293	-		-		-		-		-	-	0.293	-
Block 1 Government Engineering Support	WR	NSWC Crane, DD, NRL, APL : Crane, IN; Dahlgren, VA; Washington, DC; Laurel,MD	34.783	-		-		-		-		-	-	34.783	-
Block 1 Government Engineering Support	WR	NSWC Dahlgren : Dahlgren, VA	2.449	0.999	Nov 2013	1.169	Oct 2014	1.502	Nov 2015	-		1.502	Continuing	Continuing	Continuing
Block 1 Government Engineering Support	WR	NSWC Crane : Crane, IN	2.577	0.650	Nov 2013	2.424	Nov 2014	1.950	Nov 2015	-		1.950	Continuing	Continuing	Continuing
Block 1 Government Engineering Support	WR	NRL : Washington, DC	1.483	0.650	Nov 2013	0.156	Nov 2014	0.950	Nov 2015	-		0.950	Continuing	Continuing	Continuing
Block 1 Government Engineering Support	SS/CPFF	APL : Laurel, MD	1.034	0.650	Nov 2013	0.859	Feb 2015	0.500	Nov 2015	-		0.500	-	3.043	-
Block 1 SIPRNET Access	WR	ARL : Adelphi, MD	0.092	-		0.086	Feb 2015	-		-		-	-	0.178	-
Block 1 Government Engineering Support	WR	SWRMC : San Diego, CA	0.000	-		0.300	Feb 2015	0.275	Nov 2015	-		0.275	-	0.575	-
Block 2 Integrated Logistics Support	WR	NSWC Crane, DD, NRL : Crane, IN; Dahlgren, VA; Washington, DC	0.540	-		-		-		-		-	-	0.540	-
Block 2 Government Engineering Support	WR	NSWC Crane, DD, NRL : Crane, IN; Dahlgren, VA; Washington, DC	2.496	-		-		-		-		-	-	2.496	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy												Date: February 2015			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)						Project (Number/Name) 0954 / Shipboard EW Improvement Program			
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Block 1B3 Install on test ship	WR	NSSA Norfolk : Norfolk, VA	0.000	0.857	Feb 2014	-		-		-		-	-	0.857	-
Block 1B3 Integration	WR	Lockheed Martin : Syracuse, NY	0.000	1.000	Feb 2014	-		-		-		-	-	1.000	-
Subtotal			58.429	5.454		4.994		5.177		-		5.177	-	-	-
Remarks The \$3.662M increase to Block I Government Engineering support since PB 15 is to perform engineering assessments to ensure the scalability of the SEWIP system on additional platforms, to support test planning and execution, and to execute software certification events.															
Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Block 1 Integration and Test	WR	NSWC Crane, DD, NRL : Crane, IN; Dahlgren, VA; Washington, DC	0.853	-		-		-		-		-	-	0.853	-
Developmental Test & Evaluation	Various	Various : Various	8.958	-		-		-		-		-	-	8.958	-
Block 1A Test Planning/ T&E Events	WR	NSWC Crane, DD, NRL : Crane, IN; Dahlgren, VA; Washington, DC	11.036	-		-		-		-		-	-	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	-		-		-		-		-	-	9.567	-
Block 1B Test Planning/ T&E Events	WR	NSWC Dahlgren : Dahlgren, VA	1.338	1.893	Nov 2013	-		-		-		-	-	3.231	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy												Date: February 2015			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)				Project (Number/Name) 0954 / Shipboard EW Improvement Program					
Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Block 1B Test Planning/T&E Events	WR	NSWC Crane : Crane, IN	1.911	1.115	Nov 2013	-		-		-		-	-	3.026	-
Block 1B Test Planning/T&E Events	WR	NRL : Washington, DC	3.321	2.044	Nov 2013	-		-		-		-	-	5.365	-
Block 1B Test Planning/T&E Events	WR	OPTEVFOR : Norfolk, VA	0.269	0.107	Nov 2013	0.045	Nov 2014	-		-		-	-	0.421	-
Block 1B Test Planning/T&E Events	WR	JITC : Indian Head, MD	0.116	0.172	Nov 2013	-		-		-		-	-	0.288	-
(V)4 ESE Test Planning/T&E Events	WR	NSWC Crane, DD, NRL : Crane, IN; Dahlgren, VA; Washington, DC	0.686	-		-		-		-		-	-	0.686	-
(V)4 ESE Test Planning/T&E Events	WR	NSWC Dahlgren : Dahlgren, VA	0.609	-		-		-		-		-	-	0.609	-
(V)4 ESE Test Planning/T&E Events	WR	NSWC Crane : Crane, IN	1.153	-		-		-		-		-	-	1.153	-
(V)4 ESE Test Planning/T&E Events	WR	NRL : Washington, DC	1.808	-		-		-		-		-	-	1.808	-
(V)4 ESE Test Planning/T&E Events	WR	OPTEVFOR : Norfolk, VA	0.192	-		-		-		-		-	-	0.192	-
RCIP Test Planning/T&E Events	WR	NSWC Dahlgren : Dahlgren, VA	0.593	0.459	Nov 2013	0.350	Oct 2014	0.400	Nov 2015	-		0.400	Continuing	Continuing	Continuing
RCIP Test Planning/T&E Events	WR	NSWC Crane : Crane, IN	0.120	0.426	Nov 2013	0.643	Nov 2014	0.400	Nov 2015	-		0.400	Continuing	Continuing	Continuing
RCIP Test Planning/T&E Events	WR	NRL : Washington, DC	0.057	0.484	Nov 2013	0.679	Nov 2014	0.100	Nov 2015	-		0.100	Continuing	Continuing	Continuing
RCIP Test Planning/T&E Events	SS/CPFF	APL : Laurel, MD	0.000	-		-		0.100	Nov 2015	-		0.100	Continuing	Continuing	Continuing
Block 2 Test Planning/T&E Events	WR	NSWC Crane, DD, NRL : Crane, IN; Dahlgren, VA; Washington, DC	0.941	-		-		-		-		-	-	0.941	-
Subtotal			43.528	6.700		1.717		1.000		-		1.000	-	-	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy												Date: February 2015			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)				Project (Number/Name) 0954 / Shipboard EW Improvement Program					
Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
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 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Block 1 Program Management	C/CPIF	SPA (SEAPORT) : Washington, D.C.	31.748	0.954	Nov 2013	0.113	Feb 2015	1.175	Nov 2015	-		1.175	Continuing	Continuing	Continuing
Block 1 Program Management Support	WR	NSWC Crane, DD, NRL : Crane, IN; Dahlgren, VA; Washington, DC	17.310	-		-		-		-		-	-	17.310	-
Block 1 Program Management Support	WR	NSWC Crane : Crane, IN	0.782	0.273	Nov 2013	0.581	Nov 2014	-		-		-	Continuing	Continuing	Continuing
Block 1 Program Management Support	WR	NSWC Dahlgren : Dahlgren, VA	0.995	0.241	Nov 2013	0.426	Oct 2014	-		-		-	Continuing	Continuing	Continuing
Block 1 Program Management Support	WR	NRL : Washington, DC	0.770	0.207	Nov 2013	-		-		-		-	-	0.977	-
Block 1 Program Management Support	SS/CPFF	APL : Laurel, MD	0.212	0.219	Nov 2013	0.096	Feb 2015	-		-		-	Continuing	Continuing	Continuing
Block 1 Travel	WR	NAVSEA Program Office Travel : Washington, DC	1.145	0.050	Nov 2013	0.050	Oct 2014	0.040	Nov 2015	-		0.040	Continuing	Continuing	Continuing
Block 1 DoD Acquisition Workforce Fund	Various	Various : Various	0.126	-		-		-		-		-	-	0.126	-
Block 2 Program Management Support	C/FFP	AT&T Gov't Solutions (SEAPORT) : Washington, DC	0.023	-		-		-		-		-	-	0.023	-
Block 2 Program Management Support	WR	NSWC Crane, DD, NRL : Crane,	0.823	-		-		-		-		-	-	0.823	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy												Date: February 2015			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)				Project (Number/Name) 0954 / Shipboard EW Improvement Program					
Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
		IN; Dahlgren, VA; Washington, DC													
Block 2 Travel	WR	NAVSEA Program Office Travel : Washington, DC	0.050	-		-		-		-		-	-	0.050	-
Subtotal			53.984	1.944		1.266		1.215		-		1.215	-	-	-
			Prior Years	FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			452.776	17.606		8.986		14.543		-		14.543	-	-	-
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2016 Navy																				Date: February 2015								
Appropriation/Budget Activity 1319 / 5										R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)										Project (Number/Name) 0954 / Shipboard EW Improvement Program								
Fiscal Year	2014				2015				2016				2017				2018				2019				2020			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Acquisition Milestones						△	Block 1B3 FRP DR																					
Development	EW Rapid Capability Insertion Process (RCIP)																											
Test and Evaluation																												
Milestones	1B3 Integration & Test																											
Development Test																												
Operational Test				▲	1B3 TECHEVAL																							
				▲	1B3 IOT&E																							

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2016 Navy			Date: February 2015
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604757N / <i>Ship Self Def (Engage: Soft Kill/EW)</i>	Project (Number/Name) 0954 / <i>Shipboard EW Improvement Program</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Proj 0954</i>				
EW Rapid Capability Insertion Process (RCIP)	1	2014	4	2020
1B3 Integration & Test	1	2014	2	2014
Block 1B3 TECHEVAL	4	2014	4	2014
Block 1B3 IOT&E	4	2014	4	2014
Block 1B3 FRP DR	2	2015	2	2015

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy										Date: February 2015		
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)				Project (Number/Name) 2190 / NULKA Decoy			
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
2190: NULKA Decoy	54.575	4.472	4.651	1.860	-	1.860	2.032	2.139	7.099	7.240	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		
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 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title: NULKA Decoy Subsystem Articles: FY 2014 Accomplishments: Conducted NULKA decoy subsystem integration and improvements to include Effectiveness Studies, Engineering Studies, Fly Out Tactics and open architecture transition. FY 2015 Plans: Continue NULKA decoy subsystem integration and improvements to include Effectiveness Studies, Engineering Studies, Fly Out Tactics and open architecture transition. FY 2016 Base Plans: Continue NULKA decoy subsystem integration and improvements to include Effectiveness Studies, Engineering Studies, Fly Out Tactics and open architecture transition. FY 2016 OCO Plans: N/A								2.405	2.523	1.860	-	1.860
								-	-	-	-	-
Title: NULKA Software Articles: FY 2014 Accomplishments: Conducted NULKA software Product Line Architecture (PLA) Demonstration. FY 2015 Plans:								2.067	-	-	-	-
								-	-	-	-	-

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy										Date: February 2015	
Appropriation/Budget Activity 1319 / 5				R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)				Project (Number/Name) 2190 / NULKA Decoy			
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)											
				FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total			
N/A											
FY 2016 Base Plans: N/A											
FY 2016 OCO Plans: N/A											
Title: CVN AT-SEA TEST				-	2.128	-	-	-			
Articles:				-	-	-	-	-			
FY 2014 Accomplishments: N/A											
FY 2015 Plans: Conduct At-Sea test of NULKA CVN capabilities.											
FY 2016 Base Plans: N/A											
FY 2016 OCO Plans: N/A											
Accomplishments/Planned Programs Subtotals				4.472	4.651	1.860	-	1.860			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
• OPN/5530: Anti-Ship Missile Decoy System	62.361	-	-	-	-	-	-	-	-	-	619.550
• OPN/5231: Ship Missile Support Equipment	-	35.756	57.791	-	57.791	70.392	78.682	61.003	62.255	Continuing	Continuing
• OMN/12CR0 (1C2C): Nulka	5.525	5.177	7.323	-	7.323	6.154	6.073	6.308	6.432	Continuing	Continuing
Remarks Due to DON directed OPN Line Item (LI) Consolidation commencing in FY15, LI 5530 was consolidated under LI 5231 in FY15 and in the outyears.											

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy		Date: February 2015
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)	Project (Number/Name) 2190 / NULKA Decoy
D. Acquisition Strategy NULKA is a joint cooperative program between United States and Australia in full rate production.		
E. Performance Metrics 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.		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy												Date: February 2015			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)				Project (Number/Name) 2190 / NULKA Decoy					
Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Primary Hardware Development	WR	Lockheed Martin : Sippican, MA	6.692	-		-		-		-		-	-	6.692	-
Primary Hardware Development	MIPR	BAE Systems : Australia	7.382	-		-		-		-		-	-	7.382	-
Systems Engineering	WR	NRL : Washington, DC	17.245	0.912	Nov 2013	0.938	Nov 2014	0.799	Nov 2015	-		0.799	Continuing	Continuing	Continuing
Systems Engineering	WR	NWAD : China Lake, CA	0.120	-		-		-		-		-	-	0.120	-
MK 53 System Eng Changes	C/FFP	Sechan : PA	0.150	-		-		-		-		-	-	0.150	-
Systems Engineering	WR	NSWC Dahlgren : Dahlgren, VA	7.106	1.201	Nov 2013	0.900	Nov 2014	0.859	Nov 2015	-		0.859	Continuing	Continuing	Continuing
Systems Engineering	WR	NSMA : VA	0.360	-		-		-		-		-	-	0.360	-
Systems Engineering	WR	NSWC Crane : IN	5.856	0.205	Nov 2013	0.270	Nov 2014	-		-		-	Continuing	Continuing	Continuing
Subtotal			44.911	2.318		2.108		1.658		-		1.658	-	-	-
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Development Support	WR	NRL : Washington, DC	1.314	0.200	Nov 2013	-		-		-		-	Continuing	Continuing	Continuing
Software Development	WR	NSWC Dahlgren : Dahlgren, VA	2.497	0.411	Nov 2013	-		-		-		-	Continuing	Continuing	Continuing
Software Development	MIPR	BAE Systems : Australia	0.000	1.009	Feb 2014	-		-		-		-	-	1.009	-
Subtotal			3.811	1.620		-		-		-		-	-	-	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy												Date: February 2015			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)				Project (Number/Name) 2190 / NULKA Decoy					
Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	WR	NSWC Dahlgren : Dahlgren, VA	0.700	-		0.575	Nov 2014	-		-		-	Continuing	Continuing	Continuing
Developmental Test & Evaluation	WR	NRL : Washington, DC	1.181	-		0.500	Nov 2014	-		-		-	Continuing	Continuing	Continuing
Test Assets	WR	NRL : Washington, DC	0.701	-		0.803	Nov 2014	-		-		-	Continuing	Continuing	Continuing
Test Support	WR	OPTEVFOR : Norfolk, VA	0.050	-		0.125	Feb 2015	-		-		-	Continuing	Continuing	Continuing
Test Support	WR	BAE Systems : Australia	0.050	-		0.125	Feb 2015	-		-		-	Continuing	Continuing	Continuing
Subtotal			2.682	-		2.128		-		-		-	-	-	-
Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Support	C/CPIF	SPA (SEAPORT) : Washington, DC	1.301	0.393	Jan 2014	0.320	Feb 2015	0.100	Nov 2015	-		0.100	Continuing	Continuing	Continuing
Program Management Support	C/FFP	AT&T Gov't Solutions (SEAPORT): : Washington, DC	1.147	-		-		-		-		-	-	1.147	-
Program Management Support	C/CPIF	Gryphon Technology (SEAPORT) : Washington, DC	0.113	0.113	Jan 2014	-		-		-		-	Continuing	Continuing	Continuing
Program Management Support	C/CPIF	ICI : Washington, DC	0.000	-		0.060	Feb 2015	0.087	Nov 2015	-		0.087	-	0.147	-
Travel	WR	NAVSEA Program Office Travel : Washington, DC	0.595	0.028	Nov 2013	0.035	Feb 2015	0.015	Nov 2015	-		0.015	Continuing	Continuing	Continuing
DoD Acquisition Workforce Fund (DAWDF)	Various	Various : Various	0.015	-		-		-		-		-	-	0.015	-
Subtotal			3.171	0.534		0.415		0.202		-		0.202	-	-	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy										Date: February 2015		
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)					Project (Number/Name) 2190 / NULKA Decoy		
	Prior Years	FY 2014	FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	54.575	4.472		4.651		1.860		-		1.860	-	-
Remarks												

UNCLASSIFIED

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

Date: February 2015

Appropriation/Budget Activity

1319 / 5

R-1 Program Element (Number/Name)

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

Project (Number/Name)

2190 / *NULKA Decoy*

Fiscal Year	2014				2015				2016				2017				2018				2019				2020			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
System Development	SOFTWARE PLA INTERFACE DEVELOPMENT																											
				△	SOFTWARE PLA DEMO																							
Production Milestones																												
Test & Evaluation Milestones																												
Development Test					△	LHA 6 Install Certification																						
Operational Test					△	CVN Class DT																						

PLA - Product Line Architecture

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2016 Navy			Date: February 2015
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604757N / <i>Ship Self Def (Engage: Soft Kill/EW)</i>	Project (Number/Name) 2190 / <i>NULKA Decoy</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Proj 2190</i>				
SOFTWARE PLA INTERFACE DEVELOPMENT	1	2014	4	2014
SOFTWARE PLA DEMO	4	2014	4	2014
LHA 6 INSTALL CERTIFICATION	1	2015	1	2015
CVN CLASS DT	2	2015	2	2015

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy										Date: February 2015		
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)				Project (Number/Name) 3227 / SEWIP Block 2			
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
3227: SEWIP Block 2	206.790	10.654	0.400	0.412	-	0.412	0.424	0.435	0.448	0.457	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		
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 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title: SEWIP Block 2 Articles: FY 2014 Accomplishments: Conducted At-Sea testing. Analyzed and corrected deficiencies. Commenced Software Build 6 for SEWIP Block 2 integration to Aegis B/L 9.2C with Radar Cued Engagement capability. FY 2015 Plans: Analyze and correct deficiencies. Continue Software Build 6 for SEWIP Block 2 integration to Aegis B/L 9.2C with Radar Cued Engagement capability. FY 2016 Base Plans: Continue Software Build 6 for SEWIP Block 2 integration to Aegis B/L 9.2C with Radar Cued Engagement capability. FY 2016 OCO Plans: N/A								10.654	0.400	0.412	-	0.412
								-	-	-	-	-
Accomplishments/Planned Programs Subtotals								10.654	0.400	0.412	-	0.412

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy									Date: February 2015			
Appropriation/Budget Activity 1319 / 5				R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)				Project (Number/Name) 3227 / SEWIP Block 2				
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost	
• 0204228N/2312: OPN BA-2 AN/SLQ-32(V)	150.353	195.082	324.726	-	324.726	412.526	427.934	443.407	546.733	Continuing	Continuing	
• 0204575N/1C2C: OMN BA-1 AN/SLQ-32(V)6	2.860	5.440	6.373	-	6.373	12.245	12.083	12.357	12.603	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 2 MS C / LRIP DR.												
Successfully complete Block 2 Initial Operational Test & Evaluation (IOT&E).												
Successfully achieve Block 2 Full Rate Production (FRP) DR.												

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy												Date: February 2015			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)				Project (Number/Name) 3227 / SEWIP Block 2					
Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Block 2 E&MD	C/CPIF	Lockheed Martin : Syracuse, NY	102.948	5.590	Dec 2013	-		-		-		-	-	108.538	Continuing
Block 2 Preliminary Development	C/CPIF	Lockheed Martin : Syracuse, NY	17.211	-		-		-		-		-	-	17.211	-
Block 2 SEWTT Development	SS/CPFF	EWA-GSI : Fairmont, WV	1.200	-		-		-		-		-	-	1.200	Continuing
Block 2 SEWTT Development	WR	NSWC Crane : Crane, IN	0.047	-		-		-		-		-	-	0.047	-
Subtotal			121.406	5.590		-		-		-		-	-	126.996	-
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Block 2 Integrated Logistics Support	WR	NSWC Crane, DD, NRL, APL : Crane, IN; Dahlgren, VA; Washington DC; Laurel, MD	0.769	-		-		-		-		-	-	0.769	-
Block 2 Integrated Logistics Support	WR	NSWC Crane : Crane, IN	4.197	0.049	Dec 2013	-		-		-		-	-	4.246	Continuing
Block 2 Government Engineering Support	WR	NSWC Crane, DD, NRL, APL : Crane, IN; Dahlgren, VA; Washington DC; Laurel, MD	12.214	-		-		-		-		-	-	12.214	-
Block 2 Government Engineering Support	WR	NSWC Dahlgren : Dahlgren, VA	11.177	0.609	Dec 2013	0.157	Oct 2014	0.200	Nov 2015	-		0.200	Continuing	Continuing	Continuing
Block 2 Government Engineering Support	WR	NSWC Crane : Crane, IN	6.258	0.114	Dec 2013	-		-		-		-	-	6.372	Continuing
Block 2 Government Engineering Support	WR	NRL : Washington, DC	3.975	0.339	Jan 2014	-		-		-		-	-	4.314	Continuing

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy												Date: February 2015			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)				Project (Number/Name) 3227 / SEWIP Block 2					
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Block 2 Government Engineering Support	SS/CPFF	APL : Laurel, MD	5.348	-		-		-		-		-	-	5.348	Continuing
Block 2 - Combat System Integration	SS/CPFF	Raytheon : San Diego, CA	0.250	-		-		-		-		-	-	0.250	-
Block 2 - MSMO Cost	WR	NSSA Norfolk : Norfolk, VA	0.000	1.431	Feb 2014	-		-		-		-	-	1.431	-
Block 2 - Mast Study	WR	SUPSHIP : Bath, ME	0.000	0.033	Feb 2014	-		-		-		-	-	0.033	-
Block 2 - Fleet Support	WR	NSSA SURFLANT : Norfolk, VA	0.000	0.030	Nov 2013	-		-		-		-	-	0.030	-
Block 2 - Range Cost	WR	NUWC NEWPORT : Newport, RI	0.000	0.018	Jul 2014	-		-		-		-	-	0.018	-
Subtotal			44.188	2.623		0.157		0.200		-		0.200	-	-	-
Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Block 2 Test Planning/T&E Events	WR	NSWC Crane, DD, NRL : Crane, IN; Dahlgren, VA; Washington DC;	1.582	-		-		-		-		-	-	1.582	-
Block 2 Test Planning/T&E Events	WR	NSWC Crane : Crane, IN	4.709	0.063	Dec 2013	-		-		-		-	-	4.772	Continuing
Block 2 Test Planning/T&E Events	WR	NSWC Dahlgren : Dahlgren, VA	2.790	1.304	Dec 2013	0.210	Oct 2014	0.195	Nov 2015	-		0.195	Continuing	Continuing	Continuing
Block 2 Test Planning/T&E Events	WR	NRL : Washington, DC	4.433	0.973	Jan 2014	-		-		-		-	-	5.406	Continuing
Block 2 Test Planning/T&E Events	WR	Surface Combat Systems Center : Wallops Island, VA	0.662	-		-		-		-		-	-	0.662	Continuing
Subtotal			14.176	2.340		0.210		0.195		-		0.195	-	-	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy												Date: February 2015			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)					Project (Number/Name) 3227 / SEWIP Block 2				
Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Block 2 Program Management Support	C/CPIF	SPA (SEAPORT) : Washington, DC	5.545	-		-		-		-		-	-	5.545	Continuing
Block 2 Program Management Support	WR	NSWC Crane, DD, PHD, NRL : Crane, IN; Dahlgren, VA; PHD CA; Washington DC;	15.069	-		-		-		-		-	-	15.069	-
Block 2 Program Management Support	WR	NSWC Dahlgren : Dahlgren, VA	1.596	-		-		-		-		-	-	1.596	-
Block 2 Program Management Support	WR	NSWC Crane : Crane, IN	1.331	-		-		-		-		-	-	1.331	-
Block 2 Program Management Support	WR	NRL : Washington, DC	0.561	0.066	Jan 2014	-		-		-		-	-	0.627	-
Block 2 Program Management Support	MIPR	Navy Post GraduateSchool : Monterey, CA	0.174	-		-		-		-		-	-	0.174	-
Block 2 Program Management Support	SS/CPFF	APL : Laurel, MD	1.962	-		-		-		-		-	-	1.962	-
Block 2 Program Management	WR	NSWC PHD : Port Hueneme, CA	0.091	-		-		-		-		-	-	0.091	-
Block 2 Travel	WR	NAVSEA Program Office Travel : Washington, DC	0.554	0.035	Feb 2014	0.033	Oct 2014	0.017	Nov 2015	-		0.017	Continuing	Continuing	Continuing
Block 2 DoD Acquisition Workforce Fund	Various	Various : Various	0.137	-		-		-		-		-	-	0.137	-
Subtotal			27.020	0.101		0.033		0.017		-		0.017	-	-	-
			Prior Years	FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			206.790	10.654		0.400		0.412		-		0.412	-	-	-
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2016 Navy																				Date: February 2015								
Appropriation/Budget Activity 1319 / 5										R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)										Project (Number/Name) 3227 / SEWIP Block 2								
	2014				2015				2016				2017				2018				2019				2020			
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																												
Block 2 Development																												
Block 2 Test and Evaluation Milestones																												
Development Test																												
Operational Test																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2016 Navy			Date: February 2015
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604757N / <i>Ship Self Def (Engage: Soft Kill/EW)</i>	Project (Number/Name) 3227 / <i>SEWIP Block 2</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Proj 3227</i>				
Block 2 Gov't LBT	1	2014	2	2014
Block 2 TECHEVAL	4	2014	4	2014
Block 2 IOT&E	4	2014	4	2014
Block 2 FRP DR	2	2015	2	2015

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy										Date: February 2015		
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)				Project (Number/Name) 3316 / Advanced Offboard EW			
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
3316: Advanced Offboard EW	47.740	23.521	43.131	39.881	-	39.881	48.662	59.502	79.630	81.646	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

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-FY14) consists of the evaluation and integration of commercially available decoys. The DDE (commenced in FY12) consists of the development and evaluation of a long duration, active electronic offboard decoy system (payload only) integrated on an existing flight vehicle and an onboard/offboard EW coordinator fully able to counter the threat. FY14 funding was also used for fabrication, installation and testing of a Quick Reaction Capability in response to a Fleet Urgent Operational Needs Statement (UONS).

In FY15 and FY16 AOEW includes a government software development effort to integrate AOEW into the Softkill Coordinator (SKC) to gain maximum effectiveness from the AOEW decoy through coordination with on board systems.

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

	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title: AOEW - Decoy Development Effort (DDE)	8.822	42.381	39.881	-	39.881
Articles:	-	-	-	-	-
FY 2014 Accomplishments:					
- Continued development of concepts of operation					
- Continued interoperability analysis					
- Continued acquisition documentation development					
FY 2015 Plans:					
- Complete development of concepts of operation					
- Continue interoperability analysis					
- Commence tactics analysis and development					
- Continue acquisition documentation development					
- Award competitive development contract for decoy Preliminary Design/Engineering & Manufacturing Development (E&MD)					
- Commence AOEW SKC development					

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy			Date: February 2015			
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)	Project (Number/Name) 3316 / Advanced Offboard EW				
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
- Commence AOEW integration FY 2016 Base Plans: - Continue interoperability analysis - Continue tactics analysis and development - Complete AOEW Preliminary Design - Continue AOEW SKC development - Conduct Preliminary Design Review FY 2016 OCO Plans: N/A						
Title: EW Urgent Operational Needs (UONs) Articles:		11.788 -	- -	- -	- -	- -
FY 2014 Accomplishments: - Completed installation of MK-59 decoy in support of EW UONs - Designed, developed, fabricated, integrated, demonstrated, and delivered quick reaction EA pod for integration with SH-60B in support of EW UONs FY 2015 Plans: N/A FY 2016 Base Plans: N/A FY 2016 OCO Plans: N/A						
Title: AOEW - Rapid Response Effort (RRE) Articles:		2.911 -	0.750 -	- -	- -	- -
FY 2014 Accomplishments: - Developed conops and tactics - Continued RRE testing FY 2015 Plans:						

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy				Date: February 2015							
Appropriation/Budget Activity 1319 / 5		R-1 Program Element (Number/Name) PE 0604757N / <i>Ship Self Def (Engage: Soft Kill/EW)</i>		Project (Number/Name) 3316 / <i>Advanced Offboard EW</i>							
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)											
	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total						
- Complete RRE testing											
FY 2016 Base Plans: N/A											
FY 2016 OCO Plans: N/A											
Accomplishments/Planned Programs Subtotals	23.521	43.131	39.881	-	39.881						
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
• OPN/5530: <i>Anti-Ship Missile Decoy System</i>	62.361	-	-	-	-	-	-	-	-	-	158.739
• OPN/5231: <i>Ship Missile Support Equipment</i>	-	35.756	57.791	-	57.791	70.392	78.682	61.003	62.255	Continuing	Continuing
Remarks											
D. Acquisition Strategy											
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 were procured for evaluation, integration and testing.											
E. Performance Metrics											
For DDE:											
Complete Analysis of Alternatives.											
Complete systems requirements definition.											
Achieve Milestone (MS) B											
Award Preliminary Design/E&MD contract.											
Conduct System Requirements Review (SRR)											
Conduct System Functional Review (SFR)											
Conduct Preliminary Design Review (PDR)											
Conduct Critical Design Review (CDR)											
Confirm Operational Affectiveness (OA)											
Achieve Milestone (MS) C											

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy		Date: February 2015
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)	Project (Number/Name) 3316 / Advanced Offboard EW
Conduct Initial Operational Test and Evaluation (IOT&E)		
For RRE: Complete evaluation and integration. Complete testing of commercially available decoys.		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy												Date: February 2015			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)					Project (Number/Name) 3316 / Advanced Offboard EW				
Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Analysis of Alternatives	WR	CNA : Alexandria, VA	1.300	-		-		-		-		-	-	1.300	Continuing
Concept Analysis and Integration Assessment	SS/CPFF	APL : Laurel, MD	2.750	1.835	Dec 2013	2.623	Feb 2015	1.000	Nov 2015	-		1.000	Continuing	Continuing	Continuing
Concept Analysis and Technology Studies	WR	MIT-LL : Boston, MA	1.000	0.607	Nov 2013	0.973	Feb 2015	0.500	Nov 2015	-		0.500	Continuing	Continuing	Continuing
Concept Development and Technology Studies	WR	NRL : Washington, D.C.	8.097	6.117	Dec 2013	4.144	Oct 2014	2.483	Nov 2015	-		2.483	Continuing	Continuing	Continuing
Technology Development and Systems Requirements	WR	NSWC Dahlgren : Dahlgren, VA	1.739	0.088	Dec 2013	7.303	Oct 2014	6.260	Nov 2015	-		6.260	Continuing	Continuing	Continuing
Systems Requirements and Integration Studies	WR	NSWC Crane : Crane, IN	2.233	-		-		-		-		-	-	2.233	Continuing
Concept Development and Technology Studies	WR	NAVAIR : Patuxent River, MD	0.635	0.105	Dec 2013	2.562	Feb 2015	2.039	Nov 2015	-		2.039	Continuing	Continuing	Continuing
RRE Hardware Development	C/CPIF	Airborne Systems : UK	7.400	-		-		-		-		-	-	7.400	Continuing
DDE Preliminary Design	C/CPIF	TBD : Not specified	0.000	-		10.600	Jul 2015	16.817	Nov 2015	-		16.817	Continuing	Continuing	Continuing
Ship Integration	TBD	TBD : Not specified	0.000	-		2.000	May 2015	1.200	Nov 2015	-		1.200	-	3.200	-
Subtotal			25.154	8.752		30.205		30.299		-		30.299	-	-	-
Remarks															
DDE Preliminary Design contract will be competed and contractor name and location will be added upon contract award in FY15. DDE Preliminary Design growth between FY15 and FY16 attributable to the FY15 budget reflecting a partial year funding for this effort while FY16 provides a full year of efforts.															
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Development Support	WR	NRL : Washington, DC	4.797	0.930	Dec 2013	1.237	Oct 2014	1.157	Nov 2015	-		1.157	Continuing	Continuing	Continuing

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy												Date: February 2015			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)				Project (Number/Name) 3316 / Advanced Offboard EW					
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Development and Engineering Support	WR	NSWC Dahlgren : Dahlgren, VA	2.521	1.567	Dec 2013	2.456	Oct 2014	2.037	Nov 2015	-		2.037	Continuing	Continuing	Continuing
Government Engineering Support	WR	NSWC Crane : Crane, IN	3.438	1.634	Dec 2013	2.000	Oct 2014	1.664	Nov 2015	-		1.664	Continuing	Continuing	Continuing
Government Engineering Support	WR	NSWC Carderock : Bethesda, MD	0.265	0.230	Nov 2013	0.230	Feb 2015	0.150	Nov 2015	-		0.150	Continuing	Continuing	Continuing
Systems Engineering Support	SS/CPFF	APL : Laurel, MD	0.351	0.150	Dec 2013	0.250	Feb 2015	0.500	Nov 2015	-		0.500	Continuing	Continuing	Continuing
Government Development Support	WR	NAVAIR : Patuxent River, MD	0.000	1.421	Dec 2013	1.408	Oct 2014	0.716	Nov 2015	-		0.716	Continuing	Continuing	Continuing
Government Engineering Support	WR	NSWC Corona : Corona, CA	0.000	-	Jun 2014	-		-		-		-	Continuing	Continuing	Continuing
Logistics/Training	C/CPFF	Pioneering Evolution : Arlington, VA	0.166	-		-		-		-		-	-	0.166	-
RRE Installation	WR	Planning Yard : Yokosuka, Japan	0.034	-		-		-		-		-	-	0.034	-
RRE Installation	SS/CPFF	Planning Yard : Bath, ME	1.939	2.315	Nov 2013	-		-		-		-	-	4.254	-
EW UON	WR	Cherry Point Army : Aberdeen Proving Ground, MD	0.000	0.022	Jan 2014	-		-		-		-	-	0.022	-
EW UON	WR	Cherry Point Navy : Cherry Point, NC	0.000	0.148	Jan 2014	-		-		-		-	-	0.148	-
EW UON	WR	NSWC Indian Head : Indian Head, MD	0.000	0.050	Jan 2014	-		-		-		-	-	0.050	-
EW UON	WR	NSSA Norfolk : Norfolk, VA	0.000	0.070	Feb 2014	-		-		-		-	-	0.070	-
RRE Installation	WR	Norfolk Naval Shipyard : Norfolk, VA	2.064	-		-		-		-		-	-	2.064	-
RRE Installation	WR	Det-Naples : Naples, Italy	0.500	-		-		-		-		-	-	0.500	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy												Date: February 2015			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)				Project (Number/Name) 3316 / Advanced Offboard EW					
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			16.075	8.537		7.581		6.224		-		6.224	-	-	-
Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test Planning and Development Testing	WR	NRL : Washington, DC	0.600	0.988	Dec 2013	1.573	Oct 2014	0.658	Nov 2015	-		0.658	Continuing	Continuing	Continuing
Test Planning and Development Testing	WR	NSWC/Dahlgren : Dahlgren, VA	1.010	0.402	Nov 2013	0.417	Oct 2014	0.150	Nov 2015	-		0.150	Continuing	Continuing	Continuing
Test Planning and Development Testing	WR	NSWC Crane : Crane, IN	0.458	-		0.480	Oct 2014	0.150	Nov 2015	-		0.150	Continuing	Continuing	Continuing
Test Planning and Development Testing	WR	NAVAIR : Patuxent River, MD	0.000	-		0.075	Oct 2014	0.500	Nov 2015	-		0.500	Continuing	Continuing	Continuing
Test Planning and Development Testing	WR	OPTEVFOR : Norfolk, VA	0.100	0.069	Nov 2013	0.330	Dec 2014	0.330	Nov 2015	-		0.330	Continuing	Continuing	Continuing
Test and Evaluation	WR	Navy Post Graduate School : Monterey, CA	0.090	-		-		-		-		-	-	0.090	-
EW UON Test and Evaluation	C/FPAF	SRF Rota : Rota, Spain	0.000	1.728	Feb 2014	-		-		-		-	-	1.728	-
EW UON Test and Evaluation	WR	NSSA Norfolk : Norfolk, VA	0.000	0.018	Feb 2014	-		-		-		-	-	0.018	-
EW UON Test and Evaluation	WR	SUPSHIP Bath : Bath, ME	0.000	1.166	Nov 2013	-		-		-		-	-	1.166	-
Subtotal			2.258	4.371		2.875		1.788		-		1.788	-	-	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy												Date: February 2015			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604757N / <i>Ship Self Def (Engage: Soft Kill/EW)</i>						Project (Number/Name) 3316 / <i>Advanced Offboard EW</i>			

Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Support	C/CPIF	SPA (SEAPORT) : Washington, DC	4.210	1.831	Jan 2014	2.400	Feb 2015	1.500	Nov 2015	-		1.500	Continuing	Continuing	Continuing
Travel	WR	NAVSEA Program Office Travel : Washington, DC	0.043	0.030	Nov 2013	0.070	Feb 2015	0.070	Nov 2015	-		0.070	Continuing	Continuing	Continuing
Subtotal			4.253	1.861		2.470		1.570		-		1.570	-	-	-

	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	47.740	23.521	43.131	39.881	-	39.881	-	-	-

Remarks

UNCLASSIFIED

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

Date: February 2015

[illegible]

1319 / 5

[illegible]

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

Project (Number/Name)	Start Date	End Date	Duration (Days)	Team Lead	Status	Progress (%)	Budget (USD)	Actual Cost (USD)	Variance (USD)	Risk Level	Notes
101	2023-01-01	2023-03-31	90	John Doe	Completed	100	15000	14800	200	Low	Project completed ahead of schedule.
102	2023-02-01	2023-05-31	120	Jane Smith	In Progress	75	20000	21000	-1000	Medium	Minor budget overrun due to scope changes.
103	2023-03-01	2023-06-30	120	Mike Johnson	On Hold	20	18000	18000	0	High	Project paused due to resource allocation.
104	2023-04-01	2023-07-31	120	Sarah Lee	Planned	0	22000	22000	0	Medium	Project planning phase.
105	2023-05-01	2023-08-31	120	David Kim	On Hold	10	19000	19000	0	Low	Project paused due to budget review.
106	2023-06-01	2023-09-30	120	Emily White	Planned	0	21000	21000	0	Medium	Project planning phase.
107	2023-07-01	2023-10-31	120	Chris Brown	On Hold	5	23000	23000	0	High	Project paused due to strategic review.
108	2023-08-01	2023-11-30	120	Alex Green	Planned	0	20000	20000	0	Medium	Project planning phase.
109	2023-09-01	2023-12-31	120	Mia Black	On Hold	0	17000	17000	0	Low	Project paused due to resource allocation.
110	2023-10-01	2024-01-31	120	Noah Grey	Planned	0	24000	24000	0	Medium	Project planning phase.
111	2023-11-01	2024-02-28	118	Olivia Blue	On Hold	0	16000	16000	0	Low	Project paused due to budget review.
112	2023-12-01	2024-03-31	120	Liam Purple	Planned	0	25000	25000	0	Medium	Project planning phase.
113	2024-01-01	2024-04-30	120	Ava Yellow	On Hold	0	18000	18000	0	Low	Project paused due to resource allocation.
114	2024-02-01	2024-05-31	120	Ethan Red	Planned	0	26000	26000	0	Medium	Project planning phase.
115	2024-03-01	2024-06-30	120	Sophia Orange	On Hold	0	19000	19000	0	Low	Project paused due to budget review.
116	2024-04-01	2024-07-31	120	Lucas Pink	Planned	0	27000	27000	0	Medium	Project planning phase.
117	2024-05-01	2024-08-31	120	Isabella Light Blue	On Hold	0	20000	20000	0	Low	Project paused due to resource allocation.
118	2024-06-01	2024-09-30	120	Mason Teal	Planned	0	28000	28000	0	Medium	Project planning phase.
119	2024-07-01	2024-10-31	120	Charlotte Lavender	On Hold	0	21000	21000	0	Low	Project paused due to budget review.
120	2024-08-01	2024-11-30	120	Benjamin Gold	Planned	0	29000	29000	0	Medium	Project planning phase.
121	2024-09-01	2024-12-31	120	Amelia Silver	On Hold	0	22000	22000	0	Low	Project paused due to resource allocation.
122	2024-10-01	2025-01-31	120	James Bronze	Planned	0	30000	30000	0	Medium	Project planning phase.
123	2024-11-01	2025-02-28	118	Harper Copper	On Hold	0	23000	23000	0	Low	Project paused due to budget review.
124	2024-12-01	2025-03-31	120	William Platinum	Planned	0	31000	31000	0	Medium	Project planning phase.
125	2025-01-01	2025-04-30	120	Evelyn Diamond	On Hold	0	24000	24000	0	Low	Project paused due to resource allocation.
126	2025-02-01	2025-05-31	120	James Ruby	Planned	0	32000	32000	0	Medium	Project planning phase.
127	2025-03-01	2025-06-30	120	Sophia Sapphire	On Hold	0	25000	25000	0	Low	Project paused due to budget review.
128	2025-04-01	2025-07-31	120	Lucas Emerald	Planned	0	33000	33000	0	Medium	Project planning phase.
129	2025-05-01	2025-08-31	120	Isabella Amethyst	On Hold	0	26000	26000	0	Low	Project paused due to resource allocation.
130	2025-06-01	2025-09-30	120	Mason Topaz	Planned	0	34000	34000	0	Medium	Project planning phase.
131	2025-07-01	2025-10-31	120	Charlotte Citrine	On Hold	0	27000	27000	0	Low	Project paused due to budget review.
132	2025-08-										

3316 / *Advanced Offboard EW*[illegible]

RRE: Rapid Response Effort

DDE: Decoy Development Effort

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2016 Navy			Date: February 2015
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)	Project (Number/Name) 3316 / Advanced Offboard EW	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 3316				
DDE Concept Development	1	2014	4	2014
RRE Installation	1	2014	2	2014
RRE Test	1	2014	3	2015
Milestone (MS) B	4	2015	4	2015
DDE Preliminary Design	4	2015	4	2016
System Requirements Review (SRR)	1	2016	1	2016
System Functional Review (SFR)	2	2016	2	2016
Preliminary Design Review (PDR)	4	2016	4	2016
DDE / E&MD	1	2017	1	2019
Critical Design Review (CDR)	3	2017	3	2017
DDE Test and Certification	1	2018	1	2019
Operational Affectiveness (OA)	4	2018	4	2018
Milestone (MS) C / LRIP DR	2	2019	2	2019
Initial Operational Test and Evaluation (IOT&E)	2	2020	2	2020

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy										Date: February 2015		
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)				Project (Number/Name) 3321. / SEWIP Block 3			
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
3321.: SEWIP Block 3	169.968	56.635	59.736	60.102	-	60.102	66.531	37.565	37.820	38.631	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
SEWIP Block 3 is developing an Electronic Attack (EA) capability improvement required for the AN/SLQ-32(V) system to keep pace with the threat. SEWIP Block 3 is developing 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 a government software development effort for a SoftKill Coordinator (SKC) to manage EA engagements.												
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) systems to support CNO Urgent Operational Needs (UON). Block 3T is the TEWM system supporting the 7th fleet UON. TEWM Speed to Fleet (STF) is the TEWM system supporting the 6th fleet UON.												
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 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title: SEWIP Block 3 Government Engineering								33.029	29.311	16.005	-	16.005
								Articles: -	-	-	-	-
FY 2014 Accomplishments: Continued system engineering. Commenced Soft Kill Coordinator (SKC) software development. Completed MS B preparation and acquisition documentation. Conducted MS B.												
FY 2015 Plans: Continue system engineering. Continue SKC software development.												

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy				Date: February 2015		
Appropriation/Budget Activity 1319 / 5		R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)		Project (Number/Name) 3321. / SEWIP Block 3		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Award Preliminary Design contract. Conduct Integrated Baseline Review (IBR). Support System Functional Review (SFR) and Systems Requirements Review (SRR). Support Preliminary Design Review (PDR). Exercise Engineering and Manufacturing Development (E&MD) option. FY 2016 Base Plans: Complete Preliminary Design. Continue system engineering. Complete SKC software development, Build 1. Support Critical Design Review (CDR). FY 2016 OCO Plans: N/A						
Title: SEWIP Block 3 Development		0.500	29.105	44.097	-	44.097
Articles:		-	-	-	-	-
FY 2014 Accomplishments: Continued SEWTT development.						
FY 2015 Plans: Continue SEWTT development. Commence Preliminary Design. Support Integrated Baseline Review (IBR). Conduct System Functional Review (SFR) and Systems Requirements Review (SRR). Conduct Preliminary Design Review (PDR). Complete Preliminary Design. Commence Engineering and Manufacturing Development (E&MD).						
FY 2016 Base Plans: SEWIP Block 3 will continue E&MD for the full year (FY16). E&MD is a more complex phase than Preliminary Design and includes the funding to procure the material associated with the Engineering Development Model (EDM) post-CDR. Continue SEWTT Development. Conduct Critical Design Review (CDR).						

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy				Date: February 2015		
Appropriation/Budget Activity 1319 / 5		R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)		Project (Number/Name) 3321. / SEWIP Block 3		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procure Engineering Development Model (EDM) material.						
FY 2016 OCO Plans: N/A						
Title: Block 3T Development		8.296	-	-	-	-
Articles:		-	-	-	-	-
FY 2014 Accomplishments: Completed development of Block 3T system.						
FY 2015 Plans: N/A						
FY 2016 Base Plans: N/A						
FY 2016 OCO Plans: N/A						
Title: Block 3T System Engineering		2.366	-	-	-	-
Articles:		-	-	-	-	-
FY 2014 Accomplishments: Completed Block 3T systems engineering and integration.						
FY 2015 Plans: N/A						
FY 2016 Base Plans: N/A						
FY 2016 OCO Plans: N/A						
Title: Block 3T Testing		2.039	-	-	-	-
Articles:		-	-	-	-	-
FY 2014 Accomplishments: Completed Block 3T testing.						

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy				Date: February 2015		
Appropriation/Budget Activity 1319 / 5		R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)		Project (Number/Name) 3321. / SEWIP Block 3		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Completed Block 3T Simulator and Radar test platform. FY 2015 Plans: N/A FY 2016 Base Plans: N/A FY 2016 OCO Plans: N/A						
Title: TEWM Speed To Fleet (STF) Development Articles:		3.000 -	1.120 -	- -	- -	- -
FY 2014 Accomplishments: Commenced development of the TEWM STF system. FY 2015 Plans: Complete development of the TEWM STF system. FY 2016 Base Plans: N/A FY 2016 OCO Plans: N/A						
Title: TEWM Speed to Fleet (STF) Testing Articles:		3.100 -	- -	- -	- -	- -
FY 2014 Accomplishments: Conducted TEWM STF Testing. FY 2015 Plans: N/A FY 2016 Base Plans: N/A FY 2016 OCO Plans:						

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy										Date: February 2015	
Appropriation/Budget Activity 1319 / 5				R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)				Project (Number/Name) 3321. / SEWIP Block 3			
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)											
				FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total			
N/A											
Title: TEWM Speed to Fleet (STF) Systems Engineering FY 2014 Accomplishments: Commenced TEWM STF systems engineering and integration. FY 2015 Plans: Complete TEWM STF systems engineering and integration. FY 2016 Base Plans: N/A FY 2016 OCO Plans: N/A				3.391 Articles: -	0.200 -	-	-	-			
Title: Speed to Fleet- Transportable Electronic Warfare Module (TEWM) FY 2014 Accomplishments: - Continue to test equipment at sea. FY 2015 Plans: N/A FY 2016 Base Plans: N/A FY 2016 OCO Plans: N/A				0.914 Articles: -	-	-	-	-			
Accomplishments/Planned Programs Subtotals				56.635	59.736	60.102	-	60.102			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
• 0204228N/2312: AN/SLQ-32	150.353	195.082	324.726	-	324.726	412.526	427.934	443.407	546.733	Continuing	Continuing
Remarks											

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy		Date: February 2015
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604757N / <i>Ship Self Def (Engage: Soft Kill/EW)</i>	Project (Number/Name) 3321. / <i>SEWIP Block 3</i>
<u>D. Acquisition Strategy</u> 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. <u>E. Performance Metrics</u> - Achieve Block 3 Milestone B. - Complete Block 3T and STF development. - Complete Block 3T and STF integration and testing. - Award Preliminary Design Contract. - Conduct SFR and SRR. - Conduct PDR. - Exercise E&MD option. - Conduct CDR. - Achieve Block 3 MS C / LRIP DR. - Complete laboratory and at-sea testing against captive carry simulators.		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy												Date: February 2015			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)				Project (Number/Name) 3321. / SEWIP Block 3					
Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Block 3 Technology Demonstration	SS/CPFF	Northrop Grumman: Linthicum, MD : Raytheon: Tewksbury, MA	37.195	-		-		-		-		-	-	37.195	-
Block 3T Primary Hardware Development	C/CPFF	ITT Exelis : Alexandria, VA	46.328	8.296	Nov 2013	-		-		-		-	-	54.624	-
Block 3 SEWTT Development	SS/CPFF	EWA-GSI : Fairmont, WV	1.119	0.500	Nov 2013	-		0.311	Nov 2015	-		0.311	Continuing	Continuing	Continuing
TEWM STF Primary Hardware Development	WR	NRL : Washington, DC	4.000	3.000	Jan 2014	0.920	Feb 2015	-		-		-	-	7.920	-
Block 3 Preliminary Design/E&MD	C/CPIF	TBD : TBD	0.000	-		29.105	Feb 2015	43.786	Nov 2015	-		43.786	Continuing	Continuing	Continuing
Subtotal			88.642	11.796		30.025		44.097		-		44.097	-	-	-
Remarks															
The increase in SEWIP Block 3 Development in FY16 is due to FY16 being the first full year of E&MD. E&MD is a more complex phase than Preliminary Design and includes the funding to procure the material associated with the Engineering Development Model (EDM) post-CDR. FY16 includes significant effort to complete Critical Design Review (CDR) and includes the procurement of material for the Engineering Development Model (EDM).															
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Block 3 Integrated Logistics Support	WR	NSWC Crane : Crane, IN	4.557	1.544	Dec 2013	2.291	Nov 2014	2.045	Nov 2015	-		2.045	Continuing	Continuing	Continuing
Block 3 Integrated Logistics Support	WR	NSWC Carderock : Bethesda, MD	0.000	-		0.142	Nov 2014	0.100	Nov 2015	-		0.100	Continuing	Continuing	Continuing
Block 3 Government Engineering Support	WR	NSWC Dahlgren : Dahlgren, VA	7.203	6.046	Dec 2013	5.809	Nov 2014	1.850	Nov 2015	-		1.850	Continuing	Continuing	Continuing
Block 3 Government Engineering Support	WR	NSWC Crane : Crane, IN	3.301	2.013	Dec 2013	0.734	Oct 2014	0.513	Nov 2015	-		0.513	Continuing	Continuing	Continuing
Block 3 Government Engineering Support	WR	NRL : Washington, DC	6.427	6.077	Dec 2013	4.426	Nov 2014	1.804	Nov 2015	-		1.804	Continuing	Continuing	Continuing

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy												Date: February 2015			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)				Project (Number/Name) 3321. / SEWIP Block 3					
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Block 3 Government Engineering Support	SS/CPFF	APL : Laurel, MD	8.032	6.891	Nov 2013	6.970	Feb 2015	2.162	Nov 2015	-		2.162	Continuing	Continuing	Continuing
Block 3 Government Engineering Support	WR	MIT-LL : Cambridge, MA	1.880	1.219	Nov 2013	1.686	Jan 2015	0.449	Nov 2015	-		0.449	Continuing	Continuing	Continuing
Block 3 Government Engineering Support	WR	GTRI : Atlanta, GA	1.040	-		-		0.166	Nov 2015	-		0.166	Continuing	Continuing	Continuing
Block 3T Systems Engineering	WR	NRL : Washington, DC	11.166	2.366	Nov 2013	-		-		-		-	-	13.532	-
TEWM STF Systems Engineering	WR	NRL : Washington, DC	2.000	3.391	Jan 2014	0.400	Feb 2015	-		-		-	-	5.791	-
Subtotal			45.606	29.547		22.458		9.089		-		9.089	-	-	-
Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Block 3 Test Planning/T&E Events	WR	NSWC Dahlgren : Dahlgren, VA	2.381	0.643	Dec 2013	0.185	Nov 2014	0.339	Nov 2015	-		0.339	Continuing	Continuing	Continuing
Block 3 Test Planning/T&E Events	WR	NSWC Crane : Crane, IN	1.003	0.698	Dec 2013	0.490	Oct 2014	0.638	Nov 2015	-		0.638	Continuing	Continuing	Continuing
Block 3 Test Planning/T&E Events	WR	NRL : Washington, DC	3.787	1.620	Dec 2013	2.090	Nov 2014	2.055	Nov 2015	-		2.055	Continuing	Continuing	Continuing
TEWM Testing	WR	NRL : Washington, DC	8.602	2.039	Nov 2013	-		-		-		-	-	10.641	-
TEWM STF Testing	WR	NRL : Washington, DC	1.099	3.100	Jan 2014	-		-		-		-	-	4.199	-
Developmental Test and Evaluation (Speed to Fleet)	Reqn	NRL : Washington DC	3.534	0.914	Feb 2014	-		-		-		-	-	4.448	4.652
Subtotal			20.406	9.014		2.765		3.032		-		3.032	-	-	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy												Date: February 2015			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)				Project (Number/Name) 3321. / SEWIP Block 3					
Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Block 3 Program Management Support	C/CPIF	SPA (SEAPORT) : Washington, DC	9.204	5.091	Feb 2014	3.436	Feb 2015	2.885	Nov 2015	-		2.885	Continuing	Continuing	Continuing
Block 3 Program Management Support	WR	NSWC Dahlgren : Dahlgren, VA	3.586	0.228	Dec 2013	0.252	Nov 2014	0.254	Nov 2015	-		0.254	Continuing	Continuing	Continuing
Block 3 Program Management Support	WR	NSWC Crane : Crane, IN	1.129	0.365	Dec 2013	0.136	Oct 2014	0.153	Nov 2015	-		0.153	Continuing	Continuing	Continuing
Block 3 Program Management Support	WR	NRL : Washington, DC	1.201	0.317	Jan 2014	0.387	Nov 2014	0.342	Nov 2015	-		0.342	Continuing	Continuing	Continuing
Block 3 Program Management Support	MIPR	DISA : Laurel, MD	0.000	0.227	Oct 2014	0.227	Feb 2015	0.200	Nov 2015	-		0.200	Continuing	Continuing	Continuing
Block 3 Travel	WR	NAVSEA Program Office : Washington, DC	0.194	0.050	Jun 2014	0.050	Oct 2014	0.050	Nov 2015	-		0.050	Continuing	Continuing	Continuing
Subtotal			15.314	6.278		4.488		3.884		-		3.884	-	-	-
			Prior Years	FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			169.968	56.635		59.736		60.102		-		60.102	-	-	-
Remarks															

UNCLASSIFIED

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

Date: February 2015

Appropriation/Budget Activity

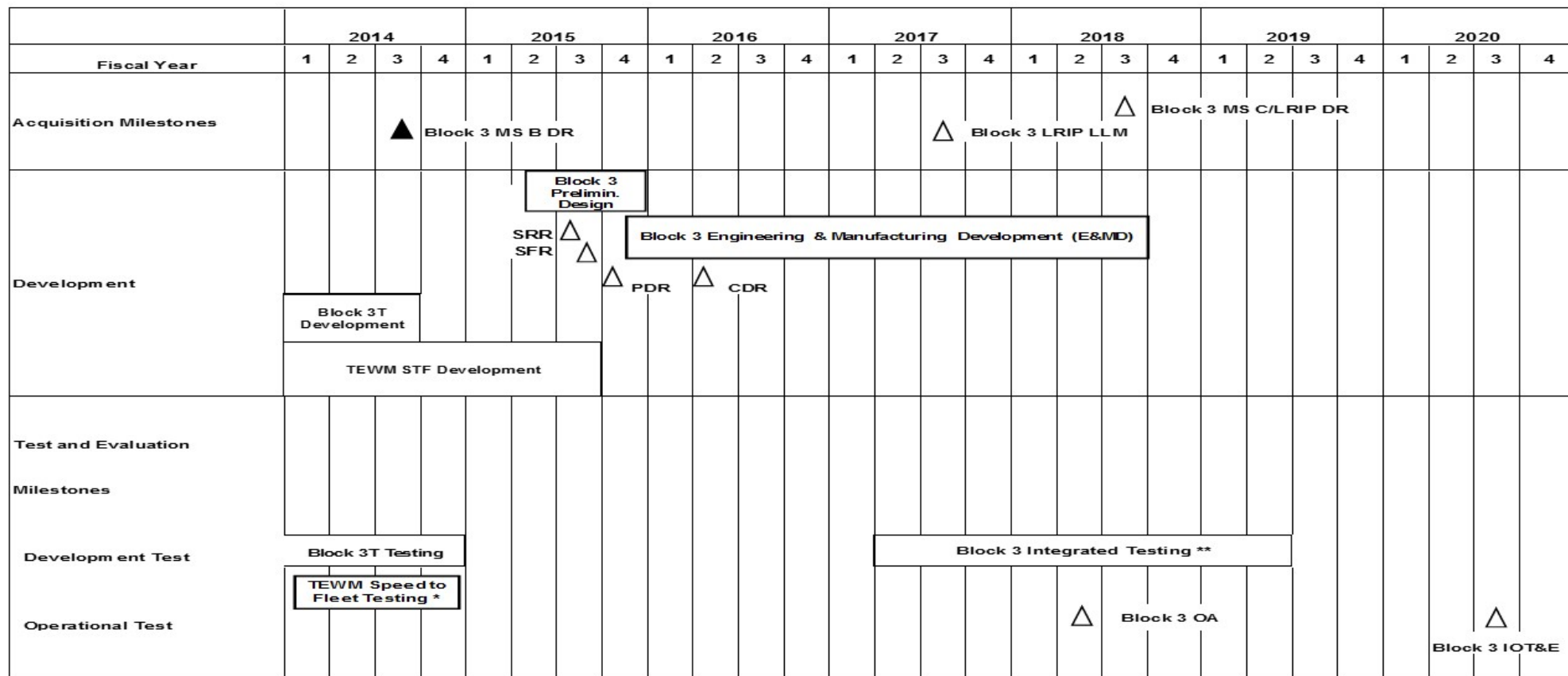
1319 / 5

R-1 Program Element (Number/Name)

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

Project (Number/Name)

3321. / SEWIP Block 3



UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2016 Navy			Date: February 2015
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604757N / <i>Ship Self Def (Engage: Soft Kill/EW)</i>	Project (Number/Name) 3321. / <i>SEWIP Block 3</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Proj 3321.L24</i>				
TEWM Speed to Fleet Development	1	2014	3	2015
Block 3T Development	1	2014	3	2014
Block 3T Testing	1	2014	4	2014
TEWM Speed to Fleet Testing	1	2014	4	2014
Block 3 MS B DR	3	2014	3	2014
Block 3 Preliminary Design	2	2015	1	2016
SRR	3	2015	3	2015
SFR	3	2015	3	2015
PDR	4	2015	4	2015
Block 3 Engineering and Manufacturing Development (E&MD)	4	2015	3	2018
CDR	2	2016	2	2016
Block 3 Integrated Testing	2	2017	2	2019
Block 3 LRIP LLM	3	2017	3	2017
Block 3 Operational Assessment	2	2018	2	2018
Block 3 MS C/LRIP DR	3	2018	3	2018
Block 3 IOT&E	3	2020	3	2020

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy										Date: February 2015		
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)				Project (Number/Name) 3362 / E-NULKA			
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
3362: E-NULKA	-	0.013	-	-	-	-	-	-	-	-	-	0.013
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification
 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. The program has been delayed until FY15 at which time the program will transfer to a classified portion of the budget due to changes in the security classification guidance.

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

	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title: E-Nulka Decoy	0.013	-	-	-	-
Articles:	-	-	-	-	-
FY 2014 Accomplishments: Funds transferred to SEWIP Block 2 and Advanced Offboard EW due to CNO direction for higher priority requirements.					
FY 2015 Plans: N/A					
FY 2016 Base Plans: N/A					
FY 2016 OCO Plans: N/A					
Accomplishments/Planned Programs Subtotals	0.013	-	-	-	-

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

Remarks

D. Acquisition Strategy
 E-Nulka has been delayed until FY15 and will support the engineering development/enhancement of the payload receiver, transmitter, signal processor and power supply. Due to changes in the security classification guidance, this program will transfer to a classified portion of the budget starting in FY15.

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy		Date: February 2015
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)	Project (Number/Name) 3362 / E-NULKA
E. Performance Metrics N/A		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy													Date: February 2015		
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)						Project (Number/Name) 3362 / E-NULKA			
Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
NAVSEA	WR	NAVSEA : Washington, D.C.	0.000	0.013	Aug 2014	-		-		-		-	-	0.013	-
Subtotal			0.000	0.013		-		-		-		-	-	0.013	-
			Prior Years	FY 2014	FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals			0.000	0.013	-		-		-		-	-	0.013	-	
Remarks															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2016 Navy										Date: February 2015	
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0604757N / Ship Self Def (Engage: Soft Kill/EW)					Project (Number/Name) 3362 / E-NULKA	

Fiscal Year	2014				2015				2016				2017				2018				2019				2020			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Acquisition Milestones (TBD)																												
System s Development Milestones																												
Test & Evaluation Milestones																												
Development Test																												
Operational Test																												

NOTE: Due to changes in the security classification guidance, this program will transfer to a classified portion of the budget starting in FY15.

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2016 Navy			Date: February 2015
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604757N / <i>Ship Self Def (Engage: Soft Kill/EW)</i>	Project (Number/Name) 3362 / <i>E-NULKA</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Proj 3362</i>				
Requirements Development	1	2014	4	2014