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Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Navy	DATE: April 2013
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APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NOMENCLATURE							
1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>System Development & Demonstration (SDD)</i>					PE 0604230N: <i>Warfare Support System</i>							
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	26.693	9.761	13.071	11.725	-	11.725	10.611	10.410	10.659	10.805	Continuing	Continuing
3326: <i>NIWO Rapid Capabilities Development for CIC</i>	0.000	5.176	5.389	4.391	-	4.391	5.624	5.785	5.921	6.001	Continuing	Continuing
4011: <i>Naval Coastal Warfare Surv and C4I Sys</i>	26.693	4.090	6.698	4.085	-	4.085	3.648	3.663	3.753	3.804	Continuing	Continuing
9C86: <i>Combatant Craft Replacement</i>	0.000	0.495	0.984	3.249	-	3.249	1.339	0.962	0.985	1.000	Continuing	Continuing

[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

^{##} The FY 2014 OCO Request will be submitted at a later date

A. Mission Description and Budget Item Justification

The Coastal Riverine Force (CRF), formerly Maritime Expeditionary Security Force (MESF), Riverine, and Naval Coastal Warfare (NCW), consists of two Groups and ten Squadrons; nine regular and one special (Guam). Each squadron is organized by Boat Detachments, Security Detachments and Command and Control (C2) divisions. The C2 Division is comprised of Sensor Detachments (SENSDET) operating the Radar Sonar Surveillance Center (RSSC) and Communications Detachments (COMMSDET) operating the Mobile Ashore Support Terminal (MAST IIIs), each separately funded. The Radar Sonar Surveillance Center (RSSC) is the only land-based and rapidly deployable mobile Navy system with the ability to conduct surface and subsurface surveillance in coastal and littoral areas. The system provides detailed contact information via various C4I systems to the tactical area commander based on radar, visual, thermal, electronic, and underwater acoustic sensor information. Missions supported with the MIUW-RSSCs are: OCONUS and INCONUS Force Protection, protecting port areas, high value assets, and surveilling the near shore areas. The MAST III is the C4ISR hub for the NCW Commander. MAST IIIs deploy to support Force Protection/Force Security Officer for Commander, Amphibious Group in its Harbor Defense and Coastal Sea Control missions.

As stated in the Maritime Expeditionary Security Force (MESF) CONOPS dated 11 April 2007: The MESF organization will be established through realignment of the CRF organizations (CRF Squadrons, Mobile Inshore Undersea Warfare Units, Inshore Boat Units, Mobile Security Squadrons, Mobile Security Detachments, Embarked Security Detachments, and Embarked Security Teams) into the CRF structure. Further realignment will result in the integration of intelligence, VBSS, and additional waterborne and security detachments to support new mission capability and provide additional NCC / JFMCC capacity. In addition to enhancing readiness of the current force, CRF will deploy adaptive force packages (AFPs) tailored for the specific missions to achieve greater efficiency and combat readiness than the current CRF force. By establishing a professional warfare community and dedicated Maritime Expeditionary Security Force capable of meeting the full range of security requirements, CRF closes a critical gap essential to full mission readiness for MSO. CRF provides a structure that establishes a single integrated maritime security force with one standard for training, certification, employment, and tactics, techniques, and procedures (TTP). This funding supports the future direction of the CRF as it is being determined externally by world events and internally by the progress of DoD initiatives modernize forces and capabilities.. CRF force will be agile, tailorable, and scalable and will use applied technology to quickly detect, deter or interdict potential threats to DoN assets in the littoral environment. Next generation surface and

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<p>subsurface surveillance systems, as well as enhanced C4I capabilities, are required to meet these operational objectives. These capabilities must be interoperable with higher and adjacent echelons of command (to include coalition allies) as well as with supporting elements to include joint forces.</p> <p>The Expeditionary Warfare Decision System (EWDS) (formerly Tactically Integrated Sensors (TIS)) software constitutes an upgrade to the MAST-RSSC and is being executed as a separate Abbreviated Acquisition Program. The AAP will enable the deployment of a currently fielded Program of Record (POR) combat system (AN/ SQQ-34C) known as Tactically Integrated Sensors (TIS) to the CRF units. TIS system restores the acoustic surveillance capability that has been eroded from the current RSSC suite. Additionally, future mult-spectral technologies are being looked at as enabling capabilities to expand the situational awareness of the littoral region, providing additional tactical decision aids to the local area commander.</p> <p>This funding supports the Identity Dominance System (IDS) as key enabler in support of the Joint Personnel Identity (JPI) program. OPNAV N957 conducted the NCW CBA and MES ICD. MESF forces have a mobile security mission that requires methodologies, procedures, equipment and the communications capacity to identify individuals who represent a potential threat as a means to deter and eliminate individuals from conducting asymmetric/non-traditional attacks upon friendly forces, high value assets and coastal areas that NCW is charged with protecting. The Vessel Boarding Search and Seizure (VBSS) teams conducting Expanded Maritime Interception Operations also have a similar requirement to identify individuals. The development of a device to support identity functions is captured in the Identity Dominance System Capability Development Document (IDS CDD). IDS will be used in the following environments: aboard ship and ashore in ports, the littorals and extended inland field environments worldwide. IDS will be employed in maritime and very austere ashore environments and carried by individuals who are part of ship boarding parties and dismounted patrols. These mission and environmental demands dictate a portable, lightweight, rugged, and reliable system with intuitive and user friendly features. IDS biometric modalities may differ by mission profile, requiring the authoritative response to the On-Scene Commander/Boarding Officer on whether to detain or further investigate an individual of interest.</p> <p>Coastal Riverine Force will integrate and employ a variety of surface and air assets, special vehicles, weapons and appropriately trained personnel. Mission assets needed to support the operational capabilities will vary widely dependant on the Host Nations involved. The Riverine Squadron will deploy with inherent, but limited, force protection capabilities. The Modular Unmanned Scouting Craft Littoral (MUSCL), is man-portable "X-Class" Unmanned Surface Vehicle providing enhanced surveillance and reconnaissance capability to Naval Expeditionary Combat Command (NECC) Riverine forces.</p> <p>This program provides efforts in support of the Navy Expeditionary Warfare Division (formerly known as Navy Irregular Warfare (IW) Office). It provides for the identification and assessment of available technologies to confront expeditionary challenges, including irregular warfare, urgent/emergent and unfulfilled needs of the warfighter. It provides for the validation and combat demonstration of identified technologies and/or packages of technologies to meet Oversea Contingency Operation (OCO) goals. It also provides funding necessary to attract additional investment and sustainment of demonstrated capabilities. The goal of the Navy Expeditionary Warfare Innovations Branch office is to: identify those requirements necessary to meet the immediate warfighter needs; integrate those existing unique and/or related capabilities that can best meet those warfighter needs; test those integrated capabilities; and then demonstrate in real time and/or during planned deployments all within an 8 month period.</p> <p>Combatant Craft Replacements will provide second generation Riverine Multi Mission Craft that will replace in-service Riverine Patrol Boats (RPBs) and Riverine Assault Boats (RABs). Combatant Craft replacements will: conduct inland waterway patrol and interdiction to preserve the rivers for friendly use as lines of</p>		

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APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>System Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604230N: <i>Warfare Support System</i>
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communications; deny the use of rivers and waterways to waterborne and immediate shore sited hostile forces by barrier and interdiction operations; and, with augmentation of ground and air forces, locate and destroy hostile forces within a riparian area. Specific mission and capabilities will be identified in an NECC developed/OPNAV N95 approved Initial Capabilities Document (ICD). RDT&E funding will fund feasibility studies and procurement of mock-ups and prototype craft to demonstrate capabilities prior to production craft procurement.

<u>B. Program Change Summary (\$ in Millions)</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014 Base</u>	<u>FY 2014 OCO</u>	<u>FY 2014 Total</u>
Previous President's Budget	9.944	13.071	11.221	-	11.221
Current President's Budget	9.761	13.071	11.725	-	11.725
Total Adjustments	-0.183	0.000	0.504	-	0.504
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.183	0.000			
• Program Adjustments	0.000	0.000	2.363	-	2.363
• Rate/Misc Adjustments	0.000	0.000	-1.859	-	-1.859

Change Summary Explanation

Technical: Not applicable.

Schedule: Not applicable.

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy									DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)					R-1 ITEM NOMENCLATURE PE 0604230N: Warfare Support System				PROJECT 3326: NIWO Rapid Capabilities Development for CIC			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
3326: NIWO Rapid Capabilities Development for CIC	0.000	5.176	5.389	4.391	-	4.391	5.624	5.785	5.921	6.001	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0		0	0	0	0	0		
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
This program provides efforts in support for the Navy Expeditionary Warfare Branch (formerly known as Navy Irregular Warfare (IW) Office). Funding provides for the identification and assessment of available technologies to confront expeditionary challenges, including irregular warfare, urgent/emergent and unfulfilled needs of the warfighter. It provides for the validation and combat demonstration of identified technologies and/or packages of technologies to meet Oversea Contingency Operation (OCO) goals. It also provides funding necessary to attract additional investment and sustainment of demonstrated capabilities. The goal of the Navy Expeditionary Warfare Innovations Branch office is to: identify those requirements necessary to meet the immediate warfighter needs; integrate those existing unique and/or related capabilities that can best meet those warfighter needs; test those integrated capabilities; and then demonstrate in real time and/or during planned deployments all within an 8 month period. Those areas of capability to be investigated by the Expeditionary Warfare Innovations Branch include any or all of the following: - Persistent Intelligence Surveillance Reconnaissance (ISR) - Close-in, expeditionary ISR - Conventional forces support to SOF - Rotary wing support to SOF - All source intelligence fusion - Littoral precision strike capability - Unmanned Vehicles (Undersea/Air/Surface/Ground vehicles for Mine/ISR/Strike/Surveillance/Detection/IED capabilities)												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2012	FY 2013	FY 2014	
Title: Navy Irregular Warfare									5.176	5.389	4.391	
									0	0	0	
FY 2012 Accomplishments: Identify, assess, integrate and test available persistent Intelligence Surveillance and Reconnaissance (ISR) and all-source intelligence fusion technologies in support of the CIC mission supporting the warfighter. Additional efforts to validate and demonstrate identified ISR and intelligence fusion technologies. Other technologies assessed/demonstrated in support of Confronting Expeditionary Warfare Challenges as available.												
FY 2013 Plans:												

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APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>System Development & Demonstration (SDD)</i>		R-1 ITEM NOMENCLATURE PE 0604230N: <i>Warfare Support System</i>	PROJECT 3326: <i>NIWO Rapid Capabilities Development for CIC</i>
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2012	FY 2013
Identify, assess, integrate and test available close-in expeditionary ISR and littoral precision strike technologies in support of the CIC mission supporting the warfighter. Additional efforts to validate and demonstrate identified ISR and littoral precision strike technologies. Other technologies assessed/demonstrated in support of Confronting Expeditionary Warfare Challenges as available. <i>FY 2014 Plans:</i> Identify, assess, integrate and test available close-in expeditionary ISR and littoral precision strike technologies in support of the Navy Expeditionary Warfare missions, including Irregular Warfare, supporting the warfighter. Additional efforts to validate and demonstrate identified ISR and littoral precision strike technologies including payloads and platforms. Other technologies assessed/demonstrated in support of Confronting Expeditionary Warfare Challenges as available.			
Accomplishments/Planned Programs Subtotals		5.176	5.389
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
Identify, integrate, test then demonstrate capabilities to meet the warfighter needs.			
E. Performance Metrics			
To successfully conduct technology reviews to confront expeditionary warfare challenges and successfully identify and validate identified technologies.			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)						R-1 ITEM NOMENCLATURE PE 0604230N: Warfare Support System						PROJECT 3326: NIWO Rapid Capabilities Development for CIC			
Support (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Contractor Engineering Spt	C/CPFF	Dell:Washington, DC	0.000	0.200	Jul 2012	0.200	Feb 2013	0.200	Dec 2013	-		0.200	Continuing	Continuing	Continuing
Travel	WR	NAVSEA/HQ:Washington, DC	0.000	0.050	Apr 2012	0.050	Nov 2012	0.050	Nov 2013	-		0.050	Continuing	Continuing	Continuing
Subtotal			0.000	0.250		0.250		0.250		0.000		0.250			
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test and Evaluation	WR	NUWC:Newport, RI	0.000	0.650	Feb 2012	0.650	Jan 2013	0.650	Jan 2014	-		0.650	Continuing	Continuing	Continuing
Test and Evaluation	WR	NAWC:China Lake, CA	0.000	0.250	Mar 2012	0.305	Jan 2013	0.400	Jan 2014	-		0.400	Continuing	Continuing	Continuing
Test and Evaluation	WR	NSWC:Carderock, MD	0.000	0.100	May 2012	0.100	Feb 2013	0.100	Feb 2014	-		0.100	Continuing	Continuing	Continuing
Test and Evaluation	SS/CPFF	ARL/UT:Austin, TX	0.000	0.200	Mar 2012	0.250	May 2013	0.300	May 2014	-		0.300	Continuing	Continuing	Continuing
Test and Evaluation	SS/CPFF	SPAWAR:Charleston, SC	0.000	0.700	Jul 2012	1.950	May 2013	1.314	May 2014	-		1.314	Continuing	Continuing	Continuing
Test and Evaluation	WR	SPAWAR:Charleston, SC	0.000	0.800	Mar 2012	0.600	Jan 2013	0.200	Jan 2014	-		0.200	Continuing	Continuing	Continuing
Test and Evaluation	WR	SPAWAR:San Diego, CA	0.000	0.325	Jun 2012	0.350	Jan 2013	0.350	Jan 2014	-		0.350	Continuing	Continuing	Continuing
Test and Evaluation	SS/FFP	ARL/PSU:State College, PA	0.000	0.115	Mar 2012	0.125	Apr 2013	0.125	Apr 2014	-		0.125	Continuing	Continuing	Continuing
Test and Evaluation	WR	NRL:Washington, DC	0.000	0.200	Jun 2012	0.200	Jan 2013	0.200	Jan 2014	-		0.200	Continuing	Continuing	Continuing
Test and Evaluation	WR	NSWC:Indian Head, MD	0.000	0.886	Dec 2012	0.100	Feb 2013	0.150	Feb 2014	-		0.150	Continuing	Continuing	Continuing
Test and Evaluation	Various	Various:Various	0.000	0.700	Aug 2012	0.509	Apr 2013	0.352	Apr 2014	-		0.352	Continuing	Continuing	Continuing
Subtotal			0.000	4.926		5.139		4.141		0.000		4.141			

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	All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals	0.000	5.176		5.389		4.391		0.000		4.391				

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Navy																					DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY											R-1 ITEM NOMENCLATURE										PROJECT			
1319: Research, Development, Test & Evaluation, Navy											PE 0604230N: Warfare Support System										3326: NIWO Rapid Capabilities Development for CIC			
BA 5: System Development & Demonstration (SDD)																								
Proj 3326	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
	Technology Assessments/Demonstrations																							
	Test and Evaluations																							

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

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Proj 3326</i>				
System Development: Technology Assessments/Demonstrations	1	2012	4	2018
System Development: Test and Evaluations	1	2012	4	2018

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COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
4011: Naval Coastal Warfare Surv and C4I Sys	26.693	4.090	6.698	4.085	-	4.085	3.648	3.663	3.753	3.804	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0		0	0	0	0	0		

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The Coastal Riverine Force (CRF), formerly Maritime Expeditionary Security Force (MESF), Riverine, and Naval Coastal Warfare (NCW), consists of two Groups and ten Squadrons; nine regular and one special (Guam). Each squadron is organized by Boat Detachments, Security Detachments and Command and Control (C2) divisions. The C2 Division is comprised of Sensor Detachments (SENDET) operating the Radar Sonar Surveillance Center (RSSC) and Communications Detachments (COMMSDET) operating the Mobile Ashore Support Terminal (MAST IIIs), each separately funded. The Radar Sonar Surveillance Center (RSSC) is the only land-based and rapidly deployable mobile Navy system with the ability to conduct surface and subsurface surveillance in coastal and littoral areas. The system provides detailed contact information via various C4I systems to the tactical area commander based on radar, visual, thermal, electronic, and underwater acoustic sensor information. Missions supported with the MIUW-RSSCs are: OCONUS and INCONUS Force Protection, protecting port areas, high value assets, and surveilling the near shore areas. The MAST III is the C4ISR hub for the NCW Commander. MAST IIIs deploy to support Force Protection/Force Security Officer for Commander, Amphibious Group in its Harbor Defense and Coastal Sea Control missions.

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The Expeditionary Warfare Decision System (EWDS) (formerly Tactically Integrated Sensors (TIS)) software constitutes an upgrade to the MAST-RSSC and is being executed as a separate Abbreviated Acquisition Program. The AAP will enable the deployment of a currently fielded Program of Record (POR) combat system (AN/

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Coastal Riverine Force will integrate and employ a variety of surface and air assets, special vehicles, weapons and appropriately trained personnel. Mission assets needed to support the operational capabilities will vary widely dependant on the Host Nations involved. The Riverine Squadron will deploy with inherent, but limited, force protection capabilities. The Modular Unmanned Scouting Craft Littoral (MUSCL), is man-portable "X-Class" Unmanned Surface Vehicle providing enhanced surveillance and reconnaissance capability to Naval Expeditionary Combat Command (NECC) Riverine forces.				
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2012	FY 2013	FY 2014
Title: MESF (Formerly NCW) Upgrades		2.391	5.291	3.24
Articles:		0	0	0
FY 2012 Accomplishments: MESF Upgrades - Provide management support and development of new C4ISR capabilities for Naval Coastal Warfare forces.				
FY 2013 Plans: MESF Upgrades - Provide management support and development of new C4ISR capabilities for Naval Coastal Warfare forces. Increase in funding from FY12 to FY13 is needed to develop engineering changes to upgrade C4I equipment in the areas of both tactical and operation Command/Control (C2). Development includes such efforts as the Joint Expeditionary Command, Control, Communications (JEC3) work and Riverine Command Boat (RCB) C4I integration.				
FY 2014 Plans: MESF Upgrades - Provide management support and development of new C4ISR capabilities for Naval Coastal Warfare forces.				
Title: Identity Dominance System		1.699	1.407	0.84
Articles:		0	0	0

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APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>System Development & Demonstration (SDD)</i>					R-1 ITEM NOMENCLATURE PE 0604230N: <i>Warfare Support System</i>			PROJECT 4011: <i>Naval Coastal Warfare Surv and C4I Sys</i>			

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2012	FY 2013	FY 2014
<p><i>FY 2012 Accomplishments:</i> Identity Dominance System - Program Management acquisition achieved Milestone C for the IDS program of record and the design and development of the IDS device. Additional efforts included award of base production contract, execution of operational testing of the Identity Dominance System, and preparing for Full Rate Production.</p> <p><i>FY 2013 Plans:</i> Finish operational testing of production representative IDS to ensure operational viability. Update the system to resolve any critical or substantive issues identified during operational testing. Begin fielding initial operational capability and progress towards a full rate production decision.</p> <p><i>FY 2014 Plans:</i> Program management will be in the process of procuring and fielding the IDS with OPN. Objective include resolving critical issues identified during operational use and implementing required capabilities not implemented in initial fielding.</p>			
Accomplishments/Planned Programs Subtotals	4.090	6.698	4.085

C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u> <u>Base</u>	<u>FY 2014</u> <u>OCO</u>	<u>FY 2014</u> <u>Total</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• OPN/8120: <i>Maritime Expeditionary Security Force</i>	0.136	7.344	4.287		4.287	9.650	10.042	9.337	9.497	0.000	74.057
• OPN/8128: <i>Physical Security Equipment</i>	3.158	3.180	2.999		2.999	3.041	3.317	3.184	3.213	0.000	22.122
Remarks											
D. Acquisition Strategy											
MESF (formerly NCW) - There are ten (10) MESF MAST III systems and twenty (20) MIUW-RSSC systems. The Naval Coastal Warfare systems, the Mobile Ashore Support Terminal (MAST III) and the MIUW Radar Sonar Surveillance Center (RSSC) AN/TSQ-108A(V)4 MOD 2 require the production of Engineering Change Packages (ECPs) for the purposes of technology refresh and to mitigate the impact of obsolescent components. This issue supports the development and testing of the ECP kits as well as the procurement of material of initial kits involved in testing. For the MAST III systems - AN/USC-60 baseband equipment upgrades and GCCS-M upgrades. Timeplex are no longer supported and will need to be replaced with Promina multiplexers. For the MIUW systems - Continuing efforts to provide an IP connectivity path using 1) VSAT for short ops requiring quick set ups using commercial SATCOM and 2) USC-67 (triband SHF) for longer ops using MILSATCOM.											

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>System Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604230N: <i>Warfare Support System</i>	PROJECT 4011: <i>Naval Coastal Warfare Surv and C4I Sys</i>
<p>IDS - The fundamental purpose of the IDS program is to provide the Navy and Marine Corps with an integrated and ruggedized capability to employ individual-oriented identity information in the conduct of maritime and expeditionary operations. Fieldable prototypes in response to the CENTCOM JUONS were evaluated in limited user assessments and under stringent to meet Naval operational effectiveness and suitability. Additionally, a market survey conducted and concluded that no COTS or GOTS systems could meet the requirements in the IDS/JPI(V)1 program entered System Demonstration (SD) at Milestone B in 4QTR FY10, and the SD phase is planned to culminate in a Milestone C decision in 4QTR FY12. The SBIR process was executed in a Phase I initiative as a risk mitigation step to enable the EMD Phase II process in developmental testing, design refinement, production representative level articles for evaluation/selection, and logistical support preparations to formulate the production decision. Production will be accomplished via a prime contractor to be selected during a competitive contracting process.</p> <p><u>E. Performance Metrics</u></p> <p>MESF: Successfully complete Preliminary Design Review (PDR), Critical Design Review (CDR) and Physical Configuration Audit (PCA) for Expeditionary Warfare Decision System (EWDS) (formerly Tactically Integrated Sensor (TIS)).</p> <p>IDS: Conduct Milestone reviews in order to successfully achieve Milestone C. Successfully achieve IOC.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)						R-1 ITEM NOMENCLATURE PE 0604230N: Warfare Support System				PROJECT 4011: Naval Coastal Warfare Surv and C4I Sys					
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Hardware/Software Development	C/CPFF	SSC CH:SSC SAN DIEGO	0.100	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Hardware/Software Development	WR	NSWC DAHLGREN:DAHLGREN	3.250	0.200	Feb 2012	0.560	Feb 2013	0.000		-		0.000	Continuing	Continuing	Continuing
Hardware/Software Development	WR	NSWC CRANE:CRANE	0.900	0.200	Feb 2012	0.560	Feb 2013	0.000		-		0.000	Continuing	Continuing	Continuing
Systems Engineering1	C/CPFF	SSC CH:SSC SAN DIEGO	0.547	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Systems Engineering2	WR	SSC CH:SSC SAN DIEGO	0.750	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Systems Engineering3	WR	NUWC:KEYPORT	0.850	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Systems Engineering4	WR	NSMRL:Not Specified	0.100	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Systems Engineering5	C/CPFF	SSC SD:SAN DIEGO	6.647	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Systems Engineering6	WR	NSWC:DAHLGREN	2.450	0.500	Feb 2012	0.640	Feb 2013	2.752	Feb 2014	-		2.752	Continuing	Continuing	Continuing
Systems Engineering7	WR	NUWC:NEWPORT	0.080	0.200	Feb 2012	0.360	Feb 2013	0.000		-		0.000	Continuing	Continuing	Continuing
Training Development	WR	SSC CH:SSC SAN DIEGO	0.401	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Test Integration	WR	NUWC:KEYPORT	0.819	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Test Integration	WR	NSWC:CRANE	0.200	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Subtotal			17.094	1.100		2.120		2.752		0.000		2.752			
Support (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Technical Data	WR	SSC CH/SSC SD:SSC SAN DIEGO	0.381	0.100	Feb 2012	0.100	Feb 2013	0.000		-		0.000	Continuing	Continuing	Continuing
Technical Data	WR	NSWC:CRANE	0.250	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)						R-1 ITEM NOMENCLATURE PE 0604230N: Warfare Support System				PROJECT 4011: Naval Coastal Warfare Surv and C4I Sys					
Support (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Technical Data	WR	NUWC:KEYPORT	0.250	0.170	Feb 2012	0.170	Feb 2013	0.000		-		0.000	Continuing	Continuing	Continuing
Technical Data	MIPR	Coast Guard:Not Specified	0.175	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Technical Data	WR	NSWC:DAHLGREN	0.175	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Test Planning	WR	NUWC:KEYPORT	0.200	0.090	Feb 2012	0.090	Feb 2013	0.000		-		0.000	Continuing	Continuing	Continuing
Test Planning	WR	NSWC:CRANE	0.350	0.150	Feb 2012	0.150	Feb 2013	0.000		-		0.000	Continuing	Continuing	Continuing
Test Planning	WR	SSC CH/:SSC SAN DIEGO	0.200	0.250	Feb 2012	0.410	Feb 2013	0.000		-		0.000	Continuing	Continuing	Continuing
Test Planning - Non-Lethal	WR	NSWC:DAHLGREN	0.750	0.150	Feb 2012	0.470	Feb 2013	0.000		-		0.000	Continuing	Continuing	Continuing
Test Planning - IDS	WR	NSWC:DAHLGREN	0.450	0.250	Feb 2012	0.660	Feb 2013	0.000		-		0.000	Continuing	Continuing	Continuing
Subtotal			3.181	1.160		2.050		0.000		0.000		0.000			
Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Support	WR	SSC CH:SSC SAN DIEGO	0.211	0.200	Feb 2012	0.360	Feb 2013	0.000		-		0.000	Continuing	Continuing	Continuing
Program Management Support	WR	NUWC:KEYPORT	0.100	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Program Management Support	WR	NSWC:DAHLGREN	2.942	0.703	Feb 2012	0.840	Feb 2013	0.500	Feb 2014	-		0.500	Continuing	Continuing	Continuing
Program Management Support	WR	NSWC:CRANE	0.562	0.250	Feb 2012	0.400	Feb 2013	0.000		-		0.000	Continuing	Continuing	Continuing
Program Management Support	Various	Various:Various	2.478	0.647	Feb 2012	0.898	Feb 2013	0.833	Feb 2014	-		0.833	Continuing	Continuing	Continuing
Travel	Various	Various:Various	0.085	0.030	Feb 2012	0.030	Feb 2013	0.000		-		0.000	Continuing	Continuing	Continuing
DAWDF	Various	Not Specified:Not Specified	0.040	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Subtotal			6.418	1.830		2.528		1.333		0.000		1.333			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy										DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>System Development & Demonstration (SDD)</i>					R-1 ITEM NOMENCLATURE PE 0604230N: <i>Warfare Support System</i>				PROJECT 4011: <i>Naval Coastal Warfare Surv and C4I Sys</i>				
	All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	26.693	4.090		6.698		4.085		0.000		4.085			
Remarks													

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Navy			DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>System Development & Demonstration (SDD)</i>			R-1 ITEM NOMENCLATURE PE 0604230N: <i>Warfare Support System</i>		
			PROJECT 4011: <i>Naval Coastal Warfare Surv and C4I Sys</i>		

	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Proj 4011																												
Acquisition Milestones: Identity Dominance System (IDS): IDS MILESTONE C																												
Acquisition Milestones: Identity Dominance System (IDS): IDS CPD																												
Acquisition Milestones: Identity Dominance System (IDS): IDS FRPDR																												
Acquisition Milestones: Identity Dominance System (IDS): IDS IOC																												
Acquisition Milestones: Identity Dominance System (IDS): IDS FOC																												
System Development: MESF System Upgrades: Expeditionary C2 Systems Upgrade																												
System Development: MESF System Upgrades: Graphical Data Fusion System Upgrade																												
System Development: MESF System Upgrades: Digital Video Surveillance System (DVSS) Upgrade																												
System Development: MESF System Upgrades: Portable Surveillance System (PSS) Upgrade																												
System Development: MESF System Upgrades: Trailer Senso Platform EO/IR, Image Tracking,Radar Upgrades																												

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

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY

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

R-1 ITEM NOMENCLATURE

PE 0604230N: Warfare Support System

PROJECT

4011: Naval Coastal Warfare Surv and C4I
Sys

	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
System Development: MESF System Upgrades: Expeditionary AV System (EAVS) VTC Upgrade																												
System Development: MESF System Upgrades: SHF Comm System, Medium (SCSM) Ka Band Upgrade																												
System Development: MESF System Upgrades: Expeditionary Workstation, ADP & Peripherals (EWAP) ADP Refresh																												
System Development: MESF System Upgrades: Expeditionary VHF/UHF/SATCOM (EVUS) UHF TACSAT Upgrade																												
System Development: MESF System Upgrades: SHF Comms System, Light (SCSL) RRK Conversion																												
System Development: MESF System Upgrades: Expeditionary SIPR/NIPR Network Upgrades/Refresh																												
System Development: MESF System Upgrades: Messaging Upgrade																												
System Development: MESF System Upgrades: Converged IP																												
System Development: MESF System Upgrades: VoISP																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Navy			DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>System Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604230N: <i>Warfare Support System</i>	PROJECT 4011: <i>Naval Coastal Warfare Surv and C4I Sys</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 4011				
Acquisition Milestones: Identity Dominance System (IDS): IDS MILESTONE C	4	2012	4	2012
Acquisition Milestones: Identity Dominance System (IDS): IDS CPD	4	2012	4	2012
Acquisition Milestones: Identity Dominance System (IDS): IDS FRPDR	2	2013	2	2013
Acquisition Milestones: Identity Dominance System (IDS): IDS IOC	2	2013	2	2013
Acquisition Milestones: Identity Dominance System (IDS): IDS FOC	2	2017	2	2017
System Development: MESF System Upgrades: Expeditionary C2 Systems Upgrade	1	2012	4	2012
System Development: MESF System Upgrades: Graphical Data Fusion System Upgrade	1	2012	4	2012
System Development: MESF System Upgrades: Digital Video Surveillance System (DVSS) Upgrade	1	2012	4	2013
System Development: MESF System Upgrades: Portable Surveillance System (PSS) Upgrade	1	2012	4	2014
System Development: MESF System Upgrades: Trailer Senso Platform EO/IR, Image Tracking,Radar Upgrades	1	2012	4	2015
System Development: MESF System Upgrades: Expeditionary AV System (EAVS) VTC Upgrade	1	2014	4	2015
System Development: MESF System Upgrades: SHF Comm System, Medium (SCSM) Ka Band Upgrade	1	2014	4	2015
System Development: MESF System Upgrades: Expeditionary Workstation, ADP & Peripherals (EWAP) ADP Refresh	1	2014	4	2018
System Development: MESF System Upgrades: Expeditionary VHF/UHF/SATCOM (EVUS) UHF TACSAT Upgrade	1	2014	4	2018

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Navy			DATE: April 2013	
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>System Development & Demonstration (SDD)</i>		R-1 ITEM NOMENCLATURE PE 0604230N: <i>Warfare Support System</i>		PROJECT 4011: <i>Naval Coastal Warfare Surv and C4I Sys</i>
		Start		End
Events by Sub Project		Quarter	Year	Quarter
System Development: MESF System Upgrades: SHF Comms System, Light (SCSL) RRK Conversion		1	2015	4
System Development: MESF System Upgrades: Expeditionary SIPR/NIPR Network Upgrades/Refresh		1	2016	4
System Development: MESF System Upgrades: Messaging Upgrade		1	2016	4
System Development: MESF System Upgrades: Converged IP		1	2016	4
System Development: MESF System Upgrades: VoISP		1	2016	4

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy									DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)					R-1 ITEM NOMENCLATURE PE 0604230N: Warfare Support System				PROJECT 9C86: Combatant Craft Replacement			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
9C86: Combatant Craft Replacement	0.000	0.495	0.984	3.249	-	3.249	1.339	0.962	0.985	1.000	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0		0	0	0	0	0		
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
Combatant Craft Replacements will provide second generation Riverine Multi Mission Craft that will replace in-service Riverine Patrol Boats (RPBs) and Riverine Assault Boats (RABs). Combatant Craft replacements will: conduct inland waterway patrol and interdiction to preserve the rivers for friendly use as lines of communications; deny the use of rivers and waterways to waterborne and immediate shore sited hostile forces by barrier and interdiction operations; and, with augmentation of ground and air forces, locate and destroy hostile forces within a riparian area. Specific mission and capabilities will be identified in an NECC developed/OPNAV N95 approved Initial Capabilities Document (ICD). RDT&E funding will fund feasibility studies and procurement of mock-ups and prototype craft to demonstrate capabilities prior to production craft procurement.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2012	FY 2013	FY 2014	
Title: Combatant Craft Replacement									0.495	0.984	3.249	
									Articles: 0	0	0	
FY 2012 Accomplishments: Conduct Future Combatant Craft feasibility design study(ies). Evaluate transition potential of the Riverine Patrol Boat (RPB) Advance Weapon Systems to interface with the Riverine Assault Boat (RAB), Riverine Command Boat (RCB) and Force Protection-Coastal (FP-C).												
FY 2013 Plans: NECC recently merged the Riverine and MESF Forces into a single Command, the Coastal Riverine Force. With this merger was a consolidation of boat requirements but with an increase in boat capability. This increase in boat capability is being studied to consolidate existing requirements of the MESF 34-ft PB, RPB and RAB into a single requirement and identify material solutions. Additionally, advanced weapon capabilities to include Stabilized Small Arms Mount (SSAM), MK 38 Mod 2 Gun Weapon System, non-lethal weapon systems, and precision engagement weapon systems are being introduced to the NECC fleet of boats which requires integration feasibility studies, integration development, and system testing.												
FY 2014 Plans: Convene workshops and increase design efforts with the goal being to posture for replacement of legacy 33' Riverine Assault Boats, 33' Special Operations Craft Riverine, 34' Patrol Boats, and 39' Riverine Patrol Boats with a common combatant craft hull,												

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy		DATE: April 2013	
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>System Development & Demonstration (SDD)</i>		R-1 ITEM NOMENCLATURE PE 0604230N: <i>Warfare Support System</i>	PROJECT 9C86: <i>Combatant Craft Replacement</i>
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2012	FY 2013
mechanical, and electrical (HME) package. Ensure the Stabilized Small Arms Mount (SSAM) Abbreviated Acquisition Program (AAP) completes developmental testing, demonstrates operational suitability, and gains WSESRB concurrence coincidental with delivery of and installation on MK VI Patrol Boats. Evaluate, through modeling and simulation, effectiveness of a MK 38 25mm Machine Gun System when mounted on the forward foundation of a MK VI Patrol Boat during operations in high sea states (3+) and wind conditions. Develop a MK VI Patrol Boat load plan that supports sustained craft high performance abilities and stability. Conduct preliminary evaluation of next generation Environmental Protection Agency Tier III-Compliant marine engines when used in combatant craft. Continue Future Combatant Craft feasibility design study(ies). Evaluate transition potential of the Riverine Patrol Boat (RPB) Advance Weapon Systems to interface with the Riverine Assault Boat (RAB), Riverine Command Boat (RCB) and Force Protection-Coastal (FP-C).			
Accomplishments/Planned Programs Subtotals		0.495	0.984
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks			
D. Acquisition Strategy Acquisition of RDT&E funded mockup and prototype craft for testing to be accomplished using "tailored" GSA procurements in accordance with a PMS325G approved/OPNAV N95 endorsed Riverine Combatant Craft Replacement Acquisition Strategy.			
E. Performance Metrics Successfully demonstrate system and prototype functionality to support approved Initial Capabilities Document (ICD).			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>System Development & Demonstration (SDD)</i>							R-1 ITEM NOMENCLATURE PE 0604230N: <i>Warfare Support System</i>					PROJECT 9C86: <i>Combatant Craft Replacement</i>			

Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Craft Feasibility Study	WR	NSWC:Carderock, MD	0.000	0.050	Dec 2011	0.181	Jan 2013	1.083	Jan 2014	-		1.083	Continuing	Continuing	Continuing
Craft Mockup Award	WR	NSWC:Carderock, MD	0.000	0.400	Aug 2012	0.600	Jan 2013	1.083	Jan 2014	-		1.083	Continuing	Continuing	Continuing
Craft Study Report	WR	NSWC:Carderock, MD	0.000	0.045	Sep 2012	0.203	Jan 2013	1.083	Jan 2014	-		1.083	Continuing	Continuing	Continuing
Subtotal			0.000	0.495		0.984		3.249		0.000		3.249			

	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	0.000	0.495	0.984	3.249	0.000	3.249			

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Navy			DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>System Development & Demonstration (SDD)</i>			R-1 ITEM NOMENCLATURE PE 0604230N: <i>Warfare Support System</i>		
			PROJECT 9C86: <i>Combatant Craft Replacement</i>		

	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Proj 9C86																												
Combatant Craft Feasibility Study(ies) Award	■																											
Combatant Craft Mockup Award				■																								
Combatant Craft Study Report(s)				■																								
Combatant Craft Mockup Delivery						■																						
Combatant Craft Prototype Awards							■	■	■	■	■	■																
Combatant Craft Prototype Deliveries										■	■	■	■	■	■													
Craft Test and Evaluation																■	■	■	■									
Selection of Craft for Production													■	■														
Selection of Lethal effectors													■	■	■	■	■	■	■									
Integration of Lethal effectors																				■	■	■	■	■				

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Navy			DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>System Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604230N: <i>Warfare Support System</i>	PROJECT 9C86: <i>Combatant Craft Replacement</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Proj 9C86</i>				
Combatant Craft Feasibility Study(ies) Award	1	2012	1	2012
Combatant Craft Mockup Award	4	2012	4	2012
Combatant Craft Study Report(s)	4	2012	4	2012
Combatant Craft Mockup Delivery	2	2013	2	2013
Combatant Craft Prototype Awards	3	2013	1	2014
Combatant Craft Prototype Deliveries	3	2014	1	2015
Craft Test and Evaluation	4	2015	1	2016
Selection of Craft for Production	2	2015	2	2015
Selection of Lethal effectors	2	2015	4	2016
Integration of Lethal effectors	1	2017	4	2017