

# UNCLASSIFIED

**Exhibit R-2, RDT&E Budget Item Justification:** PB 2014 United States Special Operations Command **DATE:** April 2013

## APPROPRIATION/BUDGET ACTIVITY

0400: *Research, Development, Test & Evaluation, Defense-Wide*  
BA 7: *Operational Systems Development*

## R-1 ITEM NOMENCLATURE

PE 1160483BB: *Maritime Systems*

COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 <sup>#</sup>	FY 2014 Base	FY 2014 OCO <sup>##</sup>	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	73.568	66.657	26.405	18.325	-	18.325	43.795	15.931	2.343	2.375	Continuing	Continuing
S0417: <i>Underwater Systems</i>	73.568	66.657	26.405	13.738	-	13.738	33.401	11.021	0.000	0.000	0.000	224.790
S1684: <i>Surface Craft</i>	-	0.000	0.000	4.587	-	4.587	10.394	4.910	2.343	2.375	Continuing	Continuing

<sup>#</sup> FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

<sup>##</sup> The FY 2014 OCO Request will be submitted at a later date

## Note

Beginning in FY 2014 Special Operations Forces (SOF) Underwater Systems represents the approved consolidation of SOF Surface Craft, Program Element (PE)1160484BB and SOF Underwater Systems, PE 1160483BB. The consolidated PE 1160483BB has been renamed Maritime Systems.

## A. Mission Description and Budget Item Justification

This consolidated PE provides for engineering & manufacturing development and operational development of SOF Surface and Undersea Mobility platforms. This program element also provides for pre-acquisition activities to quickly respond to new requirements for SOF surface and undersea mobility, looking at multiple alternatives to include cross-platform technical solutions, service common solutions, commercial off the shelf technologies and new development efforts.

The Underwater Systems project provides for engineering and manufacturing development and operational systems development of combat underwater submersibles and underwater support systems and equipment. This project also provides for pre-acquisition activities (materiel solutions analysis, advanced component development and prototypes) to respond to emergent requirements. These submersibles, systems, and equipment are used by SOF in the conduct of infiltration/extraction, hydrographic/inland reconnaissance, beach obstacle clearance, underwater ship attack, and other missions. The capabilities of the submersible systems and unique equipment provides small, highly trained forces the ability to successfully engage the enemy and conduct clandestine operations associated with SOF maritime missions.

The Surface Craft project provides for engineering & manufacturing development and operational systems development of light, medium, and heavy surface combatant craft and selected items of specialized equipment to meet the unique requirements of SOF. This project element also provides for pre-acquisition activities (materiel solutions analysis, advanced component development & prototypes) to quickly respond to new requirements for surface craft and equipment, such as the light and heavy combatant crafts that are currently being studied in the Joint Capabilities Integration and Development System process. The craft capabilities and unique equipment provide small, highly trained forces the ability to successfully engage the enemy and conduct operations associated with SOF maritime missions.

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<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2014 United States Special Operations Command	<b>DATE:</b> April 2013
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<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 1160483BB: <i>Maritime Systems</i>
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<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014 Base</b>	<b>FY 2014 OCO</b>	<b>FY 2014 Total</b>
Previous President's Budget	68.424	26.405	67.308	-	67.308
Current President's Budget	66.657	26.405	18.325	-	18.325
Total Adjustments	-1.767	0.000	-48.983	-	-48.983
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-1.767	-			
• Other Adjustments	-	-	-48.983	-	-48.983

**Change Summary Explanation**

Funding:

FY 2012: Decrease of -\$1.767 million due to a transfer of funds to Small Business Innovative Research Program.

FY 2013: None.

FY 2014: Net decrease of -\$48.983 million is due a program increase to support the Next Generation Forward Looking Infrared Radar and Next Generation Surface System (\$.520 million), the approved SOF Surface Craft PE consolidation (\$10.572 million), a reprogramming to support higher command priorities (-\$26.018 million) , and a reduction to support higher Departmental priorities (-34.057 million).

Schedule: Delays in Shallow Water Combat Submersible Block 1 design challenges by prime contractor resulted in schedule slip. Delays in Dry Combat Submersibles due to competing priorities.

Technical: None.

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Exhibit R-2A, RDT&E Project Justification: PB 2014 United States Special Operations Command										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development					R-1 ITEM NOMENCLATURE PE 1160483BB: Maritime Systems				PROJECT S0417: Underwater Systems			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 <sup>#</sup>	FY 2014 Base	FY 2014 OCO <sup>##</sup>	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
S0417: Underwater Systems	73.568	66.657	26.405	13.738	-	13.738	33.401	11.021	0.000	0.000	0.000	224.790
Quantity of RDT&E Articles												
# 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 project provides for engineering and manufacturing development and operational systems development of small combat underwater submersibles and underwater support systems and equipment. This project also provides for pre-acquisition activities (materiel solutions analysis, advanced component development and prototypes) to respond to emergent requirements. These submersibles, systems, and equipment are used by Special Operations Forces (SOF) in the conduct of infiltration/extraction, hydrographic/inland reconnaissance, beach obstacle clearance, underwater ship attack, and other missions. The capabilities of the submersible systems and unique equipment provides small, highly trained forces the ability to successfully engage the enemy and conduct clandestine operations associated with SOF maritime missions. Sub-projects include:												
<ul style="list-style-type: none"><li>• Combat Submersibles: Includes incorporating obsolescence solutions and conducting product improvement efforts for the in-service SEAL Delivery Vehicle MK 8 and conducting technology development and engineering and manufacturing development for the follow-on combat submersibles such as the various types of shallow water combat submersibles. The shallow water combat submersibles use an evolutionary acquisition approach to develop a family of submersibles, to include a new wet submersible capable of operating from existing Dry Deck Shelters, and more capable wet and/or dry submersibles that will operate from future large submarine shelters/systems and/or surface ships. The combat submersible sub-project leverages existing SEAL Delivery Vehicle components, develops new state-of-the-art components where appropriate, and leases or purchases commercial-off-the-shelf components and vehicles for test and evaluation and operational assessment.</li><li>• Underwater Support Systems and Equipment: Includes conducting product improvement efforts for in-service submarine support systems such as the Dry Deck Shelters, unmanned underwater vehicles such as the Semi-autonomous Hydrographic Reconnaissance Vehicle, and diver equipment such as the Hydrographic Mapping Unit, Non-gasoline Burning Outboard Engines and Diver Propulsion Devices. Also provides for technology development and engineering and manufacturing development, and studies and analysis for follow-on underwater systems and support equipment.</li></ul>												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2012	FY 2013	FY 2014	
Title: Shallow Water Combat Submersible (Block I)									13.052	8.989	2.844	
FY 2012 Accomplishments: Completed Integrated Baseline Review and Preliminary Design Review. Entered detailed design phase.												
FY 2013 Plans:												

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2014 United States Special Operations Command		<b>DATE:</b> April 2013		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 1160483BB: <i>Maritime Systems</i>	<b>PROJECT</b> S0417: <i>Underwater Systems</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>
Complete contractor quality assurance, acceptance and system build up test. Continue test and evaluation of SWCS Block I and begin contractor verification trials.  <b>FY 2014 Plans:</b> Completes developmental testing and Engineering Development Model (EDM) manufacturing and enters into the system-level developmental testing program phase. EDM vehicle delivery and acceptance will occur before the end of FY 2014.				
<b>Title:</b> Dry Combat Submersibles  <b>FY 2012 Accomplishments:</b> Procured government furnished equipment and continued commercial submersible prototyping efforts for advanced technology demonstrator User Operational Evaluations System (UOES) #2. Commenced and completed Phase I, Concept Design Studies for additional prototyping efforts for UOES #3. The project was initiated as part of Congressional Adds: Alternative SOF Submersible Concept Design Study in Program Element 1160483BB.  <b>FY 2013 Plans:</b> Continue commercial submersible prototype efforts, including the construction of UOES #2 and potential design and construction of additional advanced technology demonstrator prototypes.  <b>FY 2014 Plans:</b> Continues to design, construct, and test commercial prototype submersibles.		51.645	9.234	10.894
<b>Title:</b> Dry Combat Submersible Medium (DCSM)  <b>FY 2013 Plans:</b> Perform studies and analysis to prepare for the commencement of a DCSM acquisition program at Milestone B based on results of user operational evaluation projects.		0.000	5.028	0.000
<b>Title:</b> Dry Deck Shelter  <b>FY 2012 Accomplishments:</b> Conducted Analysis of Alternatives for next generation shelter to accommodate family of combat submersibles.  <b>FY 2013 Plans:</b> Continue Analysis of Alternatives for next generation shelter and evaluate SOF Underwater Systems mobility needs.		1.960	3.154	0.000
<b>Accomplishments/Planned Programs Subtotals</b>		66.657	26.405	13.738

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2014 United States Special Operations Command							<b>DATE:</b> April 2013	
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 1160483BB: <i>Maritime Systems</i>			<b>PROJECT</b> S0417: <i>Underwater Systems</i>	

**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>
• PROC1: <i>Underwater Systems</i>	6.379	23.037	37.439		37.439	30.543	56.817	50.038	51.419	188.817	255.672

**Remarks**

**D. Acquisition Strategy**

- Combat Submersibles: Shallow Water Combat Submersible Block I used full and open competition, with a down-select to a single contractor. Broad Agency Announcements were issued for Dry Combat Submersible multiple design efforts with follow-on prototyping. Additionally, existing contracts are utilized where appropriate for various component development and prototypes.
- Dry Deck Shelter analysis of alternatives will perform some in-house work, other government agency support or existing contracts.
- Underwater Support Systems and Equipment: Existing contracts are utilized where appropriate, and various new contracts are awarded as necessary.

**E. Performance Metrics**

N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 United States Special Operations Command												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development						R-1 ITEM NOMENCLATURE PE 1160483BB: Maritime Systems				PROJECT S0417: Underwater Systems					
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
Shallow Water Combat Submersible (SWCS) (Block I)	C/Various	Teledyne Brown Engineering:Huntsville, AL	27.398	8.739	Apr 2012	4.549	May 2013	0.424	Apr 2013	-		0.424	0.000	41.110	
Dry Combat Submersibles	C/Various	General Dynamic-Electric Boat:Groton, CT	4.235	27.707	Sep 2012	6.144	Aug 2013	6.533	Jun 2014	-		6.533	23.552	68.171	
Dry Combat Submersibles	C/FFP	Submergence Group:Chester, CT	0.000	22.700	Jul 2012	-		0.777		-		0.777	0.000	23.477	22.700
Dry Combat Submersibles Medium	C/TBD	TBD:TBD	-	-		-		-		-		-	5.491	5.491	
Prior Year Funding	Various	Multiple:Multiple	27.970	-		-		-		-		-	0.000	27.970	
Subtotal			59.603	59.146		10.693		7.734		0.000		7.734	29.043	166.219	
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
SWCS (Block I)	Various	NSWC and NAVSEA:Panama City, FL and Washington, DC	2.876	1.289	Jan 2012	0.200	Feb 2013	-		-		-	0.000	4.365	
Dry Combat Submersibles	Various	NAVSEA: Crane / ARL-Pennstate Batelle:Panama City, FL / Washington DC, ARL-Pennstate Bat	1.321	-		-		-		-		-	0.000	1.321	
Dry Deck Shelter	Various	Various / RAND:Various	1.497	1.721	Sep 2012	2.917	May 2013	-		-		-	0.000	6.135	
Dry Combat Submersible Medium	TBD	NAVSEA:Panama City, FL and Washington DC	-	-		2.322	May 2013	-		-		-	0.000	2.322	
Subtotal			5.694	3.010		5.439		0.000		0.000		0.000	0.000	14.143	

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 United States Special Operations Command												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY						R-1 ITEM NOMENCLATURE					PROJECT				
0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development						PE 1160483BB: Maritime Systems					S0417: Underwater Systems				
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
SWCS (Block I)	Various	NSWC, NAVSEA:Panama City, FL/Washington, DC	2.486	1.529	Apr 2012	2.522	Jan 2013	0.967	Jan 2014	-		0.967	0.549	8.053	
Dry Combat Submersible	C/Various	NAVSEA / CRANE:Panama City, FL	0.000	-		1.992	May 2013	2.084	May 2014	-		2.084	12.078	16.154	
Subtotal			2.486	1.529		4.514		3.051		0.000		3.051	12.627	24.207	
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
SWCS (Block I)	Various	NSWC/ NAVSEA:Panama City, FL/Washington, DC	3.435	1.495	Jul 2012	1.926	Jan 2013	1.453	Mar 2014	-		1.453	1.252	9.561	
Dry Combat Submersible	Various	SRA:MacDill AFB, FL	2.350	1.238	May 2012	0.965	May 2013	1.500	May 2014	-		1.500	1.000	7.053	
Dry Deck Shelter	MIPR	NAVSEA:Washington, DC	0.000	0.239	Aug 2012	0.200	Jan 2013	-		-		-	0.000	0.439	
Dry Combat Submersible Medium	Various	Various:Various	-	-		2.668	Jan 2013	-		-		-	0.500	3.168	
Subtotal			5.785	2.972		5.759		2.953		0.000		2.953	2.752	20.221	
			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			73.568	66.657		26.405		13.738		0.000		13.738	44.422	224.790	
Remarks															

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2014 United States Special Operations Command			<b>DATE:</b> April 2013
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>		<b>R-1 ITEM NOMENCLATURE</b> PE 1160483BB: <i>Maritime Systems</i>	<b>PROJECT</b> S0417: <i>Underwater Systems</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
<b>Shallow Water Combat Submersible (Block I)</b>																												
Milestone B																												
Engineering & Manufacturing Development (Block I)																												
Developmental Test (Block I)																												
Operational Test (Block 1)																												
<b>Dry Combat Submersibles</b>																												
Analysis, Component Development and Prototypes																												
<b>Dry Deck Shelter</b>																												
Analysis of Alternatives for Next Generation Shelter																												
<b>Dry Combat Submersible Medium</b>																												
Engineering Analysis and Program Planning																												
Milestone B																												



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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2014 United States Special Operations Command			<b>DATE:</b> April 2013
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 1160483BB: <i>Maritime Systems</i>	<b>PROJECT</b> S0417: <i>Underwater Systems</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Shallow Water Combat Submersible (Block I)</i></b>				
Milestone B	1	2012	1	2012
Engineering & Manufacturing Development (Block I)	1	2012	2	2014
Developmental Test (Block I)	2	2012	3	2014
Operational Test (Block 1)	3	2014	1	2015
<b><i>Dry Combat Submersibles</i></b>				
Analysis, Component Development and Prototypes	4	2012	1	2016
<b><i>Dry Deck Shelter</i></b>				
Analysis of Alternatives for Next Generation Shelter	3	2012	4	2013
<b><i>Dry Combat Submersible Medium</i></b>				
Engineering Analysis and Program Planning	3	2013	4	2015
Milestone B	4	2015	4	2015

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Exhibit R-2A, RDT&E Project Justification: PB 2014 United States Special Operations Command										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development					R-1 ITEM NOMENCLATURE PE 1160483BB: Maritime Systems				PROJECT S1684: Surface Craft			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 <sup>#</sup>	FY 2014 Base	FY 2014 OCO <sup>##</sup>	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
S1684: Surface Craft	-	0.000	0.000	4.587	-	4.587	10.394	4.910	2.343	2.375	Continuing	Continuing
Quantity of RDT&E Articles												

<sup>#</sup> FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

<sup>##</sup> The FY 2014 OCO Request will be submitted at a later date

## A. Mission Description and Budget Item Justification

This project provides for engineering and manufacturing development, and operational systems development of light, medium, and heavy surface combatant craft and selected items of specialized equipment to meet the unique requirements of Special Operations Forces (SOF). This project also provides for pre-acquisition activities (materiel solutions analysis, advanced component development and prototypes) to quickly respond to new requirements for surface craft and equipment, such as the light and heavy combatant crafts that are currently being studied in the Joint Capabilities Integration Development System process. The craft capabilities and unique equipment provide small, highly trained forces the ability to successfully engage the enemy and conduct clandestine operations associated with SOF maritime missions. Sub-projects include:

The Combatant Craft Medium (CCM) sub-project provides a family of next generation combatant craft to replace the current rigid inflatable boat (RIB) and the MKV. One version of these craft will be a reconfigurable, multi-mission surface tactical mobility craft with a primary mission of insertion and extraction of SOF in a medium threat environment. It will incorporate additional performance capabilities above current platform capabilities such as shock mitigation, low observability, improved maneuverability and SOF warfighting capabilities required to operate in future threat environments. Other variants of craft will be developed to support foreign security assistance missions and operations in low or permissive threat environments. These variants are dependent on the threat environment, training requirement, or mission.

The Combatant Craft Heavy (CCH) sub-project represents a family of solutions that will provide engineering support for design and specification of a development combatant craft for movement and maneuver of SOF personnel. Requirements include maneuverability, reduced detectability with enhanced shock mitigation, and human systems integration. Potential solution for Combatant Craft Heavy is the Sea, Air, and Land Teams Insertion, Observation and Neutralization (SEALION) that was developed as an advanced technology prototype by the United States Navy and may be modified and tested for transition to SOF operations. Additional studies may be performed to support analysis of SOF-peculiar needs for an Afloat Staging Base to command, control, sustain, launch and recover Joint SOF.

The Next Generation Combat Craft Forward Looking Infrared Radar (CCFLIR) sub-project provides SOF with daylight, high resolution, and additional spectrum imaging capabilities to augment existing optical and radar sensors. Technology insertion is needed to enhance the detection, recognition, identification, and tracking of small and near surface targets and ships. This program is an FY 2014 new start.

The Next Generation Surface Systems (NGSRF) sub-project provides a rapid response capability to support SOF Combatant Craft Systems and subsystems. The NGSRF will explore solutions to support emerging requirements in support of SOF exercises and training for future missions. It provides technology refresh efforts to

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APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 1160483BB: Maritime Systems			PROJECT S1684: Surface Craft				
correct system deficiencies, improve asset life, and enhance mission capability through the means of feasibility studies, analyses of alternatives, pre-developmental risk reduction, and engineering analyses. Demonstrations and modifications may be made to support emerging capability enhancements such as but not limited to, weapons mounts, sensors, enhanced communications and navigation subsystems, and other minor modifications to craft in support of future missions. Solutions may be commercial-off-the-shelf (COTS) solutions, other agency solutions or new solutions. This program is an FY 2014 new start.											
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2012	FY 2013	FY 2014		
Title: Combatant Craft Medium (CCM)							0.000	0.000	3.317		
FY 2014 Plans: Integrate newest weapon and sensor technologies into the CCM craft.											
Title: Combatant Craft Heavy (CCH)							0.000	0.000	0.750		
FY 2014 Plans: Continue studies with craft design, development, and testing, which may include modifications to existing Sealion craft and weapons integration onto platforms.											
Title: Next Generation Combatant Craft Forward Looking Infrared Radar (CCFLIR)							0.000	0.000	0.200		
FY 2014 Plans: Initiate plans to develop, test, and evaluate COTS solution for next generation CCFLIR systems, and incorporate technology refresh into exisiting system.											
Title: Next Generation Surface System (NGSRF)							0.000	0.000	0.320		
FY 2014 Plans: Initiate studies and advanced technology development, conduct risk reduction activities, and refine requirements and potential solutions for next generation of combatant craft systems and subsystems.											
Accomplishments/Planned Programs Subtotals							0.000	0.000	4.587		
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
• PROC: SOF Combatant Craft			35.053		35.053	54.212	44.071	26.686	14.292	Continuing	Continuing
Remarks											
N/A											

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2014 United States Special Operations Command		<b>DATE:</b> April 2013
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 1160483BB: <i>Maritime Systems</i>	<b>PROJECT</b> S1684: <i>Surface Craft</i>
<b><u>D. Acquisition Strategy</u></b> <p>Combatant Craft Medium acquisition strategy is a competition using a two-phase source selection process. Phase I involved a Small Business Set-Aside competition for two companies to design, build and deliver test articles. Phase II will select a single company to provide a fully integrated baseline craft system for test and evaluation with options for production, engineering support and contractor logistic support. Acquisition strategies for other craft may be based on the rapid acquisition of available non-developmental commercial-off-the-shelf (COTS)/government-off-the-shelf craft.</p> <p>Combatant Craft Heavy acquisition strategy is to complete the initial planning and studies for the craft, which will be performed in-house with some support from other government agencies or existing contract services.</p> <p>Next Generation Surface Systems and Subsystems to include the Combatant Craft Forward Looking Infrared Radar will explore the spectrum of acquisition strategies depending on selection of COTS solutions, modification of existing systems, or new competitive acquisitions.</p> <b><u>E. Performance Metrics</u></b> <p>N/A</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 United States Special Operations Command												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY						R-1 ITEM NOMENCLATURE				PROJECT					
0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development						PE 1160483BB: Maritime Systems				S1684: Surface Craft					
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
Combatant Craft Medium (CCM)	C/Various	USMI/OIW:Gulfport MS/Clackamas, OR	-	-		-		1.232	Jul 2014	-		1.232	12.032	13.264	
Combatant Craft Heavy (CCH)	C/Various	Various:Various	-	-		-		0.750	Nov 2013	-		0.750	2.748	3.498	
Next Generation FLIR	C/Various	TBD:TBD	-	-		-		0.200	Mar 2014	-		0.200	3.299	3.499	
Next Generation Surface Systems	C/Various	TBD:TBD	-	-		-		0.220	May 2014	-		0.220	1.751	1.971	
Subtotal			0.000	0.000		0.000		2.402		0.000		2.402	19.830	22.232	
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
Combatant Craft Medium (CCM)	MIPR	NSWC:Norfolk, VA	-	-		-		0.747	Aug 2014	-		0.747	0.00	0.747	
Subtotal			0.000	0.000		0.000		0.747		0.000		0.747	0.000	0.747	
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
Combatant Craft Medium (CCM)	C/Various	NSWC:Norfolk, VA	-	-		-		0.338	Mar 2014	-		0.338	0.00	0.338	
Combatant Craft Medium (CCM)	C/Various	NSWC:Crane, IN	-	-		-		0.150	Mar 2014	-		0.150	0.000	0.150	
Combatant Craft Medium (CCM)	C/Various	Global Battlestaff & Program Support:MacDill AFB, FL	-	-		-		0.850	May 2014	-		0.850	0.000	0.850	
Next Generation Surface Systems	C/Various	TBD:TBD	-	-		-		0.100		-		0.100	0.300	0.400	

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2014 United States Special Operations Command												<b>DATE:</b> April 2013		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>						<b>R-1 ITEM NOMENCLATURE</b> PE 1160483BB: <i>Maritime Systems</i>				<b>PROJECT</b> S1684: <i>Surface Craft</i>				

  

Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost To Complete	Total Cost	Target Value of Contract
<b>Subtotal</b>			0.000	0.000		0.000		1.438		0.000		1.438		0.300	1.738	

  

	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>	0.000	0.000	0.000	4.587	0.000	4.587	20.130	24.717	

  

**Remarks**

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2014 United States Special Operations Command										<b>DATE:</b> April 2013			
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>					<b>R-1 ITEM NOMENCLATURE</b> PE 1160483BB: <i>Maritime Systems</i>					<b>PROJECT</b> S1684: <i>Surface Craft</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
<b>Combatant Craft Medium</b>																												
Developmental Test/Operational Test																												
Low Rate Initial Production																												
Operational Evaluation																												
Initial Operational Capability																												
<b>Combatant Craft Heavy</b>																												
Risk Reduction Activities																												
<b>Next Generation FLIR</b>																												
Risk Reduction Activities																												
<b>Next Generation Surface Systems</b>																												
Risk Reduction Activities																												

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2014 United States Special Operations Command			<b>DATE:</b> April 2013
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 1160483BB: <i>Maritime Systems</i>	<b>PROJECT</b> S1684: <i>Surface Craft</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Combatant Craft Medium</i></b>				
Developmental Test/Operational Test	4	2013	1	2014
Low Rate Initial Production	3	2014	2	2015
Operational Evaluation	2	2015	3	2015
Initial Operational Capability	4	2015	4	2015
<b><i>Combatant Craft Heavy</i></b>				
Risk Reduction Activities	3	2012	1	2015
<b><i>Next Generation FLIR</i></b>				
Risk Reduction Activities	2	2014	4	2014
<b><i>Next Generation Surface Systems</i></b>				
Risk Reduction Activities	2	2014	4	2015