

CLASSIFICATION:

UNCLASSIFIED

DATE:

FEBRUARY 2007

EXHIBIT R-2, RDT&E Budget Item Justification

39114

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA-4

0603755N/SHIP SELF DEFENSE

COST (\$ in Millions)	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Total PE Cost	10.772	8.863	10.954	11.010	10.864	10.868	10.833	10.783
2133/QRCC/RAWG	3.487	3.478	3.567	3.606	3.731	3.792	3.814	3.885
2184 Force Advanced Warfare Concept Technology (FAWCT)	7.285	1.981	7.387	7.404	7.133	7.076	7.019	6.898
3160 Ocean Surveillance	0.000	3.404	0.000	0.000	0.000	0.000	0.000	0.000

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

This program incorporates efforts dedicated to the enhancement of ship defense against Anti-Air Warfare (AAW) and other evolving threats. Its primary focus is on the development of technologies, systems, and procedures necessary to defeat the evolving Anti-Ship Cruise Missile (ASCM) threat and then expands to allow for application of these technologies in other warfighting areas. These projects focus on ship defense improvements through the development of advanced concepts and capabilities that will enhance both defense in depth of ships in a force and self defense of individual ships in a littoral war-fighting environment. Quick Reaction Combat Capability (QRCC), Project 2133, provides advanced concepts and technology developments for the multi-sensor integration of ship detection equipment, integration and coordination of ship self defense weapons, and coordination of hardkill and softkill assets to improve individual ship self defense capabilities against the ASCM threat. The Requirements and Analysis Working Group (RAWG) provides independent analysis for a variety of combat system trade-offs, ship class performance studies, and force protection strategic plan development. Force Anti-Air Warfare Coordination Technology (FACT), Project 2184, demonstrates AAW concepts and capabilities that will enhance the AAW warfighting ability of ships and aircraft and enable the coupling of the Force into a single, distributed weapon system through more effective use of tactical data, and force sensors and weapons. During FY07, under the FACT, Project 2184, the Innovation Team will continue efforts to transition the JTAAC capability within the USN. During FY06, the Innovation Team expanded the offensive counter air (OCA) capabilities developed for the Joint Targeting Attack and Assessment Capability (JTAAC) utilizing electro-optical (EO) and infrared (IR) sensors to include other sensors. During FY07, under the Ocean Surveillance Initiative, Project 3160, the Innovation Team will continue leverage their expertise in resolving complex warfighter issues as well as the end to end capability realized in previous products to develop a prototype focused on creating a coherent and consistent surface track picture. JTAAC brought innovative technology to offensive counter air and the Ocean Surveillance Initiative will extend those advancements to the maritime offensive counter air and surface track picture domains. FACT and Ocean Surveillance efforts will combine and continue under Project 2184 in FY08.

B. PROGRAM CHANGE SUMMARY:

Funding:		FY 2006	FY 2007	FY 2008	FY 2009
FY 2007 President's Budget		9.447	8.897	11.392	12.579
FY 2008 President's Budget		10.772	8.863	10.954	11.01
Total Adjustments		1.325	-0.034	-0.438	-1.569
Summary of Adjustments					
Other general provisions		-0.175	0.000	0.000	0.000
Programmatic Changes		1.500	-0.034	-0.438	-1.569
Subtotal		1.325	-0.034	-0.438	-1.569

Schedule: N/A

Technical: N/A

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EXHIBIT R-2a, RDT&E Project Justification

APPROPRIATION/BUDGET ACTIVITY

RDT&E, N / BA-4

PROJECT NUMBER AND NAME

2133/Quick Reaction Combat Capability/Req and Analysis W/G

COST (\$ in Millions)	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Project Cost	3.487	3.478	3.567	3.606	3.731	3.792	3.814	3.885
RDT&E Articles Qty								

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

Quick Reaction Combat Capability (QRCC) provides advanced concepts and technology developments for the multi-sensor integration of ship detection equipment, integration and coordination of ship self defense weapons, and coordination of hardkill and softkill assets to improve individual ship self defense capabilities against the Anti-Ship Cruise Missile (ASCM) threat. The funding for the Self Defense Test Ship is for the dry-docking and overhaul of the Self Defense Test Ship to extend the service life for another 4 years. The Requirements and Analysis Working Group (RAWG) provides independent analysis for a variety of combat system trade-offs, ship class performance studies, and force protection strategic plan development.

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APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-4	PROGRAM ELEMENT NUMBER AND NAME 0603755N/SHIP SELF DEFENSE	PROJECT NUMBER AND NAME 2133/Quick Reaction Combat Capability/Requirements and Analysis Working Grp

B. Accomplishments/Planned Program

	FY06	FY07	FY08	FY09
Accomplishments/Effort/Subtotal Cost	3.487	0.000	0.000	0.000
RDT&E Articles Quantity				

The RAWG will provide POM/PR process analysis, ship class, and component systems capabilities in support of Resource Manager's POM /PR budget process. The RAWG will provide analysis for a variety of combat systems trade-off and force protection strategic development. The RAWG will continue to respond to the PEO and OPNAV sponsors emergent tasking and participate and attend PRA working group meetings.

	FY06	FY07	FY08	FY09
Accomplishments/Effort/Subtotal Cost	0.000	3.478	0.000	0.000
RDT&E Articles Quantity				

The RAWG will analyze Ship Self Defense PRA capabilities. Analysis will include baseline PRA requirements, excursions based on raid size, environment, and other operational considerations. The RAWG will respond to the PEO and OPNAV sponsors emergent tasking and participate and attend PRA working group meetings.

	FY06	FY07	FY08	FY09
Accomplishments/Effort/Subtotal Cost	0.000	0.000	3.567	0.000
RDT&E Articles Quantity				

The RAWG will continue leadership and management of the Common ASCM Threat Characterization process for PEO IWS. The RAWG will continue to analyze Ship Self Defense PRA capabilities and respond to the PEO and OPNAV sponsors emergent tasking and participate and attend PRA working group meetings.

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C. Accomplishments/Planned Program

	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	0.000	0.000	0.000	3.606
RDT&E Articles Quantity				

The RAWG will continue leadership and management of the Common ASCM Threat Characterization process for PEO IWS. The RAWG will continue to analyze Ship Self Defense PRA capabilities and respond to the PEO and OPNAV sponsors emergent tasking and participate and attend PRA working group meetings.

	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	0.000	0.000	0.000	0.000
RDT&E Articles Quantity				

	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	0.000	0.000	0.000	0.000
RDT&E Articles Quantity				

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Exhibit R-2a, RDTEN Project Justification

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APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NAME	
RDT&E, N / BA-4	0603755N/SHIP SELF DEFENSE	2133 Quick Reaction Combat Capability/Requirements and Analysis Working Group	
C. OTHER PROGRAM SUMMARY: Not Applic N/A			
D. ACQUISITION STRATEGY: N/A			
E. MAJOR PERFORMERS:			
Dahlgren/ NSWCDD - Responsible for overall combat systems performance analysis for Navy ship classes.			

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Exhibit R-3 Cost Analysis (page 1)											DATE: FEBRUARY 2007				
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NUMBER AND NAME									
RDT&E, N / BA-4			0603755N/SHIP SELF DEFENSE			2133 Quick Reaction Combat Capability/Requirements and Analysis Working Group									
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	FY 08 Cost	FY 08 Award Date	FY 09 Cost	FY 09 Award Date	Cost to Complete	Total Cost	Target Value of Contract	
Primary Hardware Development													0.000		
Ancillary Hardware Development													0.000		
Component Development													0.000		
Ship Integration													0.000		
Ship Suitability													0.000		
Systems Engineering	WX	Dahlgren, NSWC DD	3.577	3.487	10/05	3.478	10/06	3.567	10/07	3.606	10/08	Continuing	Continuing		
Training Development													0.000		
Licenses													0.000		
Tooling													0.000		
GFE													0.000		
Award Fees													0.000		
Subtotal Product Development			3.577	3.487		3.478		3.567		3.606		Continuing	Continuing		
Remarks:															
Development Support													0.000		
Software Development													0.000		
Training Development													0.000		
Integrated Logistics Support													0.000		
Configuration Management													0.000		
Technical Data													0.000		
GFE													0.000		
Award Fees													0.000		
Subtotal Support			0.000	0.000		0.000		0.000		0.000		0.000	0.000		
Remarks:															

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Exhibit R-3 Cost Analysis (page 2)										DATE: FEBRUARY 2007				
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-4			PROGRAM ELEMENT 0603755N/SHIP SELF DEFENSE			PROJECT NUMBER AND NAME 2133 Quick Reaction Combat Capability/Requirements and Analysis Working Group								
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	FY 08 Cost	FY 08 Award Date	FY 09 Cost	FY 09 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation			0.000										0.000	
Live Fire Test & Evaluation													0.000	
Test Assets													0.000	
Tooling													0.000	
GFE													0.000	
Award Fees													0.000	
Subtotal T&E			0.000	0.000		0.000		0.000		0.000		0.000	0.000	
Remarks:														
Contractor Engineering Support													0.000	
Government Engineering Support													0.000	
Program Management Support													0.000	
Travel													0.000	
Labor (Research Personnel)													0.000	
SBIR Assessment													0.000	
Subtotal Management			0.000	0.000		0.000		0.000		0.000		0.000	0.000	
Remarks:														
Total Cost			3.577	3.487		3.478		3.567		3.606		Continuing	17.715	
Remarks:														

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Exhibit R-3, Project Cost Analysis

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EXHIBIT R4, Schedule Profile: NOT APPLICABLE																				DATE: FEBRUARY 2007																
APPROPRIATION/BUDGET ACTIVITY										PROGRAM ELEMENT NUMBER AND NAME										PROJECT NUMBER AND NAME																
RDT&E, N / BA-4										N/A										0603755N/SHIP SELF DEFENSE								2133 QRCC/RAWG								
Fiscal Year	2006				2007				2008				2009				2010				2011				2012				2013							
	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	1	2	3	4				
Acquisition Milestones																																				
Test & Evaluation Milestones																																				
Production Milestones																																				
Deliveries																																				

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Exhibit R-4a, Schedule Detail						DATE: FEBRUARY 2007		
NOT APPLICABLE								
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-4		PROGRAM ELEMENT 0603755N/SHIP SELF DEFENSE			PROJECT NUMBER AND NAME 2133 Quick Reaction Combat Cap/Req & Analysis Working Grp			
Schedule Profile	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Prototype Phase								
System Design Review (SDR)								
Milestone II (MSII)								
Contract Preparation								
Software Specification Review (SSR)								
Preliminary Design Review (PDR)								
System Development								
Critical Design Review (CDR)								
Quality Design and Build								
Test Readiness Review (TRR)								
Developmental Testing (DT-IIA)								
Eng Dev Model (EDM) Radar Delivery - Lab								
Software Delivery 1XXSW								
Preproduction Readiness Review (PRR)								
EDM Radar Delivery - Flt Related								
Milestone C (MS C)								
Operational Testing (OT-IIA)								
Start Low-Rate Initial Production I (LRIP I)								
Software Delivery 2XXSW								
Developmental Testing (DT-IIB1)								
Developmental Testing (DT-IIB2)								
Start Low-Rate Initial Production II								
Operational Testing (OT-IIB)								
Developmental Testing (DT-IIC)								
Functional Configuration Audit (FCA)								
Low-Rate Initial Production I Delivery								
Technical Evaluation (TECHEVAL)								
Physical Configuration Audit								
Operational Evaluation (OT-IIC) (OPEVAL)								
Low-Rate Initial Production II Delivery								
IOC								
Full Rate Production (FRP) Decision								
Full Rate Production Start								
First Deployment								

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APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-4	PROGRAM ELEMENT NUMBER AND NAME 0603755N/SHIP SELF DEFENSE			PROJECT NUMBER AND NAME 2184 Force Advanced Warfare Concept Technology (FACT)				
COST (\$ in Millions)	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Project Cost	7.285	1.981	7.387	7.404	7.133	7.076	7.019	6.898
RDT&E Articles Qty								

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

The Force Anti-Air Warfare Technology (FACT) Program is an advanced development effort designed to demonstrate Force Anti-Air Warfare (AAW) concepts and capabilities that will significantly improve our Force defense in depth, including both local area and self defense capabilities against current and future AAW threats. FACT improvements are designed to enhance the AAW warfighting ability of ships and aircraft and to enable coupling of the Force into a single, AAW distributed weapon system and towards more effective use of tactical data and the cooperative use of all the force sensors and weapons. These capabilities will provide the ship defense flexibility needed to meet the threat brought about by increasing numbers of highly sophisticated weapons held by potentially hostile third world countries. FACT defines requirements and develops prototype systems or modifications to existing systems to test new concepts for the coordination of Force operations. FACT is a model Sea Enterprise effort that consistently delivers advanced war-fighting capability that addresses current Fleet shortfalls and needs quickly and cost effectively. Some examples of prototype systems now in production are AN/SPS-48C Detection Data Converter, AN/SPS-48E Environmental Control Feature, Shipboard Gridlock System Automatic Correlation (SGS/AC) and Dial-a-Track Quality (Link-11 Quality Selection). Other FACT developments nearing production stages are the Automatic Identification System (Auto-ID) and the Multi-Frequency Link-11 capability; Dual Net Multi-Frequency Link-11 (DNMFL); Force Threat Evaluation Weapons Assignment (FTEWA); and the prototype Area Air Defense Commander (AADC) and the Joint Targeting Attack and Assessment Capability (JTAAC). During FY06, the Innovation Team expanded the offensive counter air (OCA) capabilities developed for JTAAC utilizing electro-optical (EO) and infrared (IR) sensors to include other sensors. This effort will be a complement to the JTAAC, leveraging the technologies and end to end capability realized by JTAAC to inform future maritime offensive counter air efforts. The Team will continue development and transition of the JTAAC initiative in and begin the follow-on FACT initiative in FY10.

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APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-4	PROGRAM ELEMENT NUMBER AND NAME 0603755N/SHIP SELF DEFENSE	PROJECT NUMBER AND NAME 2184 Force Advanced Warfare Concept Technology (FACT)

B. Accomplishments/Planned Program

	FY06	FY07	FY08	FY09
Accomplishments/Effort/Subtotal Cost	7.285	1.981	7.387	7.404
RDT&E Articles Quantity				

On going development of current FACT initiative and support continuing development/demonstration and transition of JTAAC within the USN. Conduct critical FACT initiative proof of concept experiments. Provide top level programmatic support, technical analysis and assist in the development processes, procedures and documentation that impact the execution of the FACT program requirements. FACT and Ocean Surveillance efforts will combine and continue under Project 2184 in FY08. On-going development of an Ocean Surveillance Initiative prototype which will leverage the end to end capability realized by JTAAC and have the objective goal of attaining a tactically significant probability of detection, continuous track, and correct classification of small and medium sized vessels at sea state 5. Conduct critical experiments in support of the Ocean Surveillance initiative. Provide top level programmatic support, technical analysis and assist in the development processes, procedures and documentation that impact the execution of the Ocean Surveillance Initiative

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APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NAME
RDT&E, N / BA-4	0603755N/SHIP SELF DEFENSE	2184 Force Advanced Warfare Concept Technology (FACT)

C. OTHER PROGRAM FUNDING SUMMARY: Not Applicable

D. ACQUISITION STRATEGY: Not Applicable

E. MAJOR PERFORMERS: APL/Laurel, MD

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Exhibit R-2a, RD TEN Project Justification

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APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NUMBER AND NAME								
RDT&E, N / BA-4			0603755N/SHIP SELF DEFENSE			2184 Force Advanced Warfare Concept Technology (FACT)								
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	FY 08 Cost	FY 08 Award Date	FY 09 Cost	FY 09 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Primary Hardware Development	CPFF	APL/Laurel, MD	99.536	7.285	11/05	1.981	11/06	7.387	11/07	7.404	11/08	CONT	CONT	
Systems Engineering		SPAWAR, S.D.	0.150											0.150
Systems Engineering		SPAWAR NORFOLK	0.417											0.417
Systems Engineering		PUGET SOUND BOSTON	0.029											0.029
Systems Engineering	GSA	GRCI	0.204											0.204
Miscellaneous		Unknown	0.187											0.187
Pontoon Barrier		Unknown	0.961											0.961
Licenses														0.000
Tooling														0.000
GFE														0.000
Award Fees														0.000
Subtotal Product Development			101.484	7.285		1.981		7.387		7.404		CONT	CONT	
Remarks:														
Development Support														0.000
Software Development														0.000
Integrated Logistics Support		NSWC/PHD	0.175											0.175
Integrated Logistics Support		NSLC Mech, PA	0.005											0.005
Integrated Logistics Support	GSA	AMERIND	0.111											0.111
Technical Data		NSWC/DD/ Dahlgren, VA	0.150											0.150
GFE														0.000
Award Fees														0.000
Subtotal Support			0.441	0.000		0.000		0.000		0.000		0.000	0.000	0.441
Remarks:														

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Exhibit R-3, Project Cost Analysis

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APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NUMBER AND NAME								
RDT&E, N / BA-4			0603755N/SHIP SELF DEFENSE			2184 Force Advanced Warfare Concept Technology (FACT)								
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	FY 08 Cost	FY 08 Award Date	FY 09 Cost	FY 09 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation														
Operational Test & Evaluation	CPFF	APL/Laurel, MD	2.629	0.000		0.000		0.000		0.000		CONT	CONT	
Live Fire Test & Evaluation														0.000
Test Assets														0.000
Tooling														0.000
GFE														0.000
Award Fees														0.000
Subtotal T&E			2.629	0.000		0.000		0.000		0.000		CONT	CONT	
Remarks:														
Contractor Engineering Support	CPAF	RGE, SPRINGFIELD, VA	0.006											0.006
Contractor Engineering Support	CPFF	SPA,FAIRFAX, VA	0.100											0.100
Contractor Engineering Support	CPFF	LOGICON, FALLS CHUR, VA	0.060											
Contractor Engineering Support	GSA	STRATEGIC INSIGHT, VA	0.189											
Program Management Support	GSA	DSR, FAIRFAX, VA	0.590											0.590
Program Management Support	GSA/CPFF	DELTA ARLINGTON VA	0.261	0.000		0.000		0.000		0.000		CONT	CONT	
Travel														0.000
Labor (Research Personnel)														0.000
Subtotal Management			1.206	0.000		0.000		0.000		0.000		CONT	CONT	
Remarks:														
Total Cost			105.760	7.285		1.981		7.387		7.404		CONT	CONT	
Remarks:														

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Exhibit R-3, Project Cost Analysis

EXHIBIT R4, Schedule Profile:																							DATE: FEBRUARY 2007									
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-4								PROGRAM ELEMENT NUMBER AND NAME 0603755N/SHIP SELF DEFENSE								PROJECT NUMBER AND NAME 2184 Force Advanced Warfare Concept Technology (FACT)																
Fiscal Year	2006				2007				2008				2009				2010				2011				2012				2013			
					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
Support GWOT Operations	Continued △							End △																								
Support Transtion of JTAAC	Begin △							End △																								
Begin Ocean Surveillance Initiative				Begin △				Initial △	Concept Demo						△		End △	△														
Follow-on FACT Initiative																				Begin △												

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APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-4		PROGRAM ELEMENT NUMBER AND NAME 0603755N/SHIP SELF DEFENSE			PROJECT NUMBER AND NAME 3160 Ocean Surveillance Initiative				
COST (\$ in Millions)		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Project Cost		0.000	3.404	0.000	0.000	0.000	0.000	0.000	0.000
RDT&E Articles Qty									
<p>A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</p> <p>The Innovation Program is an advanced development effort designed to demonstrate Force concepts and capabilities which significantly improve our Force defense in depth, including both local area and self defense capabilities against current and future threats. The Innovation Team has consistently provided the warfighter innovative products which resolve current complex warfighter issues quickly and cost effectively. The Innovation Team will begin expanding its focus to include maritime offensive counter air. Under the auspices of the Ocean Surveillance Initiative, this innovation cell plans to leverage technologies that they developed in the JTAAC to provide a prototype which will create a coherent surface track picture in a large area of operations (AO) enabling sustained situational understanding. Their focus will be optimizing sensor selection and configuration to reliably detect, track, and classify ships in the AO with an objective goal of attaining a tactically significant probability of detection, continuous track, and correct classification down to small and medium sized vessels in sea state 5. The Ocean Surveillance Initiative is a complement to JTAAC. The Ocean Surveillance Initiative is the natural progression for the USN to leverage the JTAAC offensive counter air end to end capability to the maritime domain. FACT and Ocean Surveillance efforts will combine and continue under Project 2184 in FY08.</p>									

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Exhibit R-2a, RDTEN Project Justification

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APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-4	PROGRAM ELEMENT NUMBER AND NAME 0603755N/SHIP SELF DEFENSE	PROJECT NUMBER AND NAME 3160 Ocean Surveillance Initiative
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B. Accomplishments/Planned Program: (combined under Project Number 2184 Force Advanced Warfare Concept Technology (FACT))

	FY06	FY07	FY08	FY09
Accomplishments/Effort/Subtotal Cost	0.000	3.404	0.000	0.000
RDT&E Articles Quantity				

On-going development of an Ocean Surveillance Initiative prototype which will leverage the end to end capability realized by JTAAC and have the objective goal of attaining a tactically significant probability of detection, continuous track, and correct classification of small and medium sized vessels at sea state 5. Conduct critical experiments in support of the Ocean Surveillance initiative. Provide top level programmatic support, technical analysis and assist in the development processes, procedures and documentation that impact the execution of the Ocean Surveillance Initiative. FACT and Ocean Surveillance efforts will combine and continue under Project 2184 in FY08.

	FY06	FY07	FY08	FY09
Accomplishments/Effort/Subtotal Cost				
RDT&E Articles Quantity				

	FY06	FY07	FY08	FY09
Accomplishments/Effort/Subtotal Cost				
RDT&E Articles Quantity				

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APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT				PROJECT NUMBER AND NAME								
RDT&E, N / BA-4			0603755N/SHIP SELF DEFENSE				3160 Ocean Surveillance Initiative								
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	FY 08 Cost	FY 08 Award Date	FY 09 Cost	FY 09 Award Date	Cost to Complete	Total Cost	Target Value of Contract	
Primary Hardware Development	CPFF	APL/Laurel, MD	0.000	0.000	11/05	3.404	11/06	0.000	11/07	0.000	11/08	3.404	3.404		
Systems Engineering															
Systems Engineering															
Systems Engineering															
Systems Engineering															
Miscellaneous															
Pontoon Barrier															
Licenses															
Tooling															
GFE															
Award Fees															
Subtotal Product Development			0.000	0.000		3.404		0.000		0.000		3.404	3.404		
Remarks:															
Development Support															
Software Development															
Integrated Logistics Support															
Integrated Logistics Support															
Integrated Logistics Support															
Technical Data															
GFE															
Award Fees															
Subtotal Support															
Remarks:															

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