CLASSIFICATION:	UNCLASSIFIED						
EXHIBIT R-2, RDT&E BUDGET ITEM JUSTIFICATION						DATE May 2009	
APPROPRIATION/BUDGET ACTIVITY **RDTEN/BA 5**			R-1 ITEM NOMENCLATURE **0604230N/WARFARE SUPPORT SYSTEM**				
COST (In Millions)	FY 2008	FY 2009	FY 2010				
Total PE Cost	6.116	12.574	6.307				
3140 / SEA EAGLE ACTD	0.916	0.000	0.000				
3184 / Regional Maritime Awareness Capability (RMAC)	0.523	0.300	0.000				
4011 / Naval Coastal Warfare Surv and C4I Sys	1.383	8.285	6.307				
9999 / CONGRESSIONAL ADDS	3.294	3.989	0.000				

A. MISSION DESCRIPTION:

The Naval Coastal Warfare (NCW) community consists of 22 Mobile Inshore Undersea Warfare (MIUW) units and 8 Harbor Defense Command (HDC) units operating Mobile Ashore Support Terminal IIIs (MAST IIIs). NCW also includes 14 Inshore Boat Units (IBU) comprised of 6 small craft (boats) each on which are installed C4I systems . The Mobile Inshore Undersea Warfare - System Upgrade (MIUW-SU), the primary system used by the NCW MIUW Units, 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-SU's 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.

In the aftermath of the attack on USS COLE and particularly post 11 SEP, the role, structure, and utilization for the NCW program has changed appreciably and continues to evolve in the face of developing world events. However, the core competencies resident in expeditionary NCW forces to conduct surveillance, C4I and patrol/interdiction have not changed. NCW remains a specialized force constituted to accomplish specific tasks under specific conditions, but also agile enough to fill emergent and non-traditional roles. Post 11 SEP, NCW Groups and Units have been mobilized to perform force protection missions at different levels in all CinC area of responsibility (AOR)'s and within the continental United States in support of Maritime Homeland Security. This RDT&E exhibit supports the future direction of Naval Coastal Warfare as it is being determined externally by world events and internally by the progress of DoD initiatives to replace Cold War forces and capabilities with 21st century "transformational" forces and capabilities. NCW forces currently field legacy systems designed to counter more traditional military threats in a two Major Theater War scenario. Future NCW forces will develop into a highly effective, relatively low cost transformational force capable of operating anywhere in the world to perform a spectrum of force protection missions ranging from full scale port security/harbor defense operations during wartime to short duration point defense of high value units or facilities in operations other than war. This transformational 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 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.

CLASSIFICATION:	UNCLASSIFIED	
EXHIBIT R-2, RDT&E BUDGET ITEM JUSTIFICATION (CONTINUATION)		DATE May 2009
APPROPRIATION/BUDGET ACTIVITY **RDTEN/BA 5**	R-1 ITEM NOMENCLATURE **0604230N/WARFARE SUPPORT SYSTEM**	

Sea Eagle is an Advanced Concept Technology Demonstration (ACTD) with USN as lead service and USSOCOM as the Combatant Command sponsor. Sea Eagle will provide integrated and enhanced technologies in order to provide persistent, clandestine, and unattended monitoring of denied and sensitive maritime, littoral, and harbor areas. These sensors and systems will be deliverable by Special Operational Forces (SOF) and networked in a multi-media (sea, air, land) system of systems approach. Sea Eagle will focus on close access networking, both wireless through air and underwater, to support networked tactical sensors. The special operations warfighter will tactically emplace Sea Eagle systems to provide targeted, tactical information that complements national and theater intelligence assets to enable a layered intelligence collection strategy.

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 .

Regional Maritime Awareness Capability (RMAC) - support GWOT by providing other USG Agencies with maritime traffic information that is not currently available. RMAC also provides enhanced regional security, safety, economic stability and environmental protection through shared maritime domain awareness (MDA).

B. PROGRAM CHANGE SUMMARY:

Funding:	FY 2008	FY 2009	FY 2010
FY09 President's Budget	6.228	8.611	3.232
FY10 President's Budget	6.116	12.574	6.307
Total Adjustments	-0.112	3.963	3.075
(U) Summary of Adjustments			
Congressional Rescissions	0.000	0.000	0.000
Congressional Adjustments	0.001	3.966	0.000
SBIR/STTR/FTT Assessment	-0.108	0.000	0.000
Program Adjustments	-0.005	0.000	3.097
Rate/Misc Adjustments	0	-0.003	-0.022
Total	-0.112	3.963	3.075

CLASSIFICATION:	UNCLASSIFIED						
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION					DATE May 2009		
APPROPRIATION/BUDGET ACTIVITY **RDTEN/BA 5**	PROGRAM ELEMENT NUMBER AND NAME **0604230N/WARFARE SUPPORT SYSTEM**				PROJECT NUMBER AND NAME **3140/SEA EAGLE ACTD**		
COST (In Millions)	FY 2008	FY 2009	FY 2010				
Project Cost	0.916	0.000	0.000				
RDT&E Articles Qty	0	0	0				

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION

Sea Eagle is an FY05 Advanced Concept Technology Demonstration (ACTD) with USN as lead service and USSOCOM as the Combatant command sponsor. Sea Eagle will provide integrated and enhanced technologies in order to provide persistent, clandestine, and unattended monitoring of denied and sensitive maritime, littoral, and harbor areas. These sensors and systems will be deliverable by Special Operational Forces (SOF) and networked inn a multi-media (sea, air, land) system of systems approach. Sea Eagle will focus on close access networking, both wireless through air and underwater, to support networked tactical sensors. The special operations warfighter will tactically emplace Sea Eagle systems to provide targeted, tactical information that complements national and theater intelligence assets to enable a layered intelligence collection strategy.

Demonstrates and transitions technologies to provide persistent, clandestine, unattended monitoring of maritime, littoral and harbor areas in a Special Operations Forces (SOF) deliverable "system of systems". These funds will be used to support technical downselect, systems integration, and demonstration for the first spiral of the Sea Eagle ACTD and for ongoing technical assessments of sensor and communication technologies for future spirals. The funds will support Johns Hopkins University Applied Physics Lab (the technical integrator for Sea Eagle), Operational Managers support and demonstration costs, and procurement and integration of components for the demonstrations. Systems will be demonstrated when a new capability can be demonstrated to allow an incremental transition strategy. USSOCOM is the CoCom/User Sponsor.

FY 2008 - For already demonstrated capabilities, iterate and demonstrate a second spiral with enhanced capability. Demonstrate improved networking capability. Demonstrate underwater acoustic sensors to detect and classify maritime vessels, and communicate via underwater close access network through clandestine maritime device with land based sensors and the MSC. Refine CONOPS and TTPs. Transition capabilities with military utility. Complete the Navy funded portion of the Sea Eagle ACTD.

CLASSIFICATION:	UNCLASSIFIED	
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION		DATE May 2009
APPROPRIATION/BUDGET ACTIVITY **RDTEN/BA 5**	PROGRAM ELEMENT NUMBER AND NAME **0604230N/WARFARE SUPPORT SYSTEM**	PROJECT NUMBER AND NAME **3140/SEA EAGLE ACTD**

B. ACCOMPLISHMENTS/PLANNED PROGRAM:

	FY 2008	FY 2009	FY 2010
Accomplishments/Effort/Subtotal Cost	0.916	0.000	0.000
RDT&E Articles Quantity	0	0	0

FY08 - The SEA Eagle ACTD effort supports development of technical, programmatic and contractual documentation required for analysis of technologies and downselect, procurement of residuals, and demonstration of Sea Eagle systems.

C. OTHER PROGRAM FUNDING SUMMARY:

D. ACQUISITION STRATEGY:
FY08-09 Final Military Utility Assessment.

E. MAJOR PERFORMERS:
Field Activities & Locations - Work Performed

NSWC
Demonstration Support
NSWC Panama City
SPAWAR San Diego

Contractors & Locations - Work Performed
TBD

Universities & Locations - Work Performed
JHU Applied Physics Lab
Technical assessment, systems engineering

CLASSIFICATION:	UNCLASSIFIED						
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION					DATE May 2009		
APPROPRIATION/BUDGET ACTIVITY **RDTEN/BA 5**	PROGRAM ELEMENT NUMBER AND NAME **0604230N/WARFARE SUPPORT SYSTEM**				PROJECT NUMBER AND NAME **3184/Regional Maritime Awareness Capability (RMAC)**		
COST (In Millions)	FY 2008	FY 2009	FY 2010				
Project Cost	0.523	0.300	0.000				
RDT&E Articles Qty	0	0	0				

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

Regional Maritime Awareness Capability (RMAC) - support GWOT by providing other USG Agencies with maritime traffic information that is not currently available. RMAC also provides enhanced regional security, safety, economic stability and environmental protection through shared maritime domain awareness (MDA). Capabilities include the ability to detect, track, identify and display information on a cooperative and non-cooperative surface vessels to enable maritime security operations.

The Regional Maritime Awareness Capability (RMAC) Joint Capabilities Technology Demonstration (JCTD) is a coordinated Department of Defense (DoD) and Department of State project. The goal of the US European Command, as the Combatant Command sponsor for this JCTD, is to establish a maritime domain awareness (MDA) system that can be propagated to allied nations and is compliant with US Navy afloat and expeditionary systems. The RMAC incorporates data models that enable the US Navy to leverage data from indigenous sensors as policy and the situation dictates. The Navy is the sponsoring branch of DoD for the RMAC JCTD because of their vested interest in sensors and surveillance throughout the maritime domain. The RMAC JCTD will demonstrate and, possibly, transition a regional maritime awareness solution set, consisting of sensors and their indigenous processors, communication systems, and software. The initial application of the capability will enable friendly nations in the Gulf of Guinea region to develop maritime domain awareness in the regional waters, and share their data with each other and US government users (including the US Navy), as authorized by RMAC JCTD coalition partners. This solution set will be equally applicable to local sensor sites, national operations centers, regional coordination centers, and external users. The sensors and processors include Automated Identification System (AIS), radar, video cameras, and night vision devices. The RMAC JCTD outputs and efficiencies include: surveillance; tracking; correlation and analysis; and multi-national information sharing and collaboration capabilities. The US Navy is directly contributing approximately 17% of the total RMAC JCTD cost. The Navy funding is directed to the performing activities as outlined in the Office of the Secretary of Defense coordinated RMAC JCTD Management Plan.

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION			DATE May 2009
APPROPRIATION/BUDGET ACTIVITY **RDTEN/BA 5**	PROGRAM ELEMENT NUMBER AND NAME **0604230N/WARFARE SUPPORT SYSTEM**	PROJECT NUMBER AND NAME **3184/Regional Maritime Awareness Capability (RMAC)**	

B. ACCOMPLISHMENTS/PLANNED PROGRAM:

	FY 2008	FY 2009	FY 2010
Accomplishments/Effort/Subtotal Cost	0.523	0.300	0.000
RDT&E Articles Quantity	0	0	0

FY08/09: develop an increased Maritime Domain Awareness through improved integration with interagency and international parters. Funding will provide site survey participation in Nigeria.

C. OTHER PROGRAM FUNDING SUMMARY:

D. ACQUISITION STRATEGY:

Not Applicable.

E. MAJOR PERFORMERS:

NUWC Keyport. These activities perform systems analysis and integration activities associated with site survey.

CLASSIFICATION:	UNCLASSIFIED						
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION					DATE May 2009		
APPROPRIATION/BUDGET ACTIVITY **RDTEN/BA 5**	PROGRAM ELEMENT NUMBER AND NAME **0604230N/WARFARE SUPPORT SYSTEM**				PROJECT NUMBER AND NAME **4011/Naval Coastal Warfare Surv and C4I Sys**		
COST (In Millions)	FY 2008	FY 2009	FY 2010				
Project Cost	1.383	8.285	6.307				
RDT&E Articles Qty	0	0	0				

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

The Naval Coastal Warfare (NCW) community is in the process of a major realignment to the Maritime Expeditionary Security Force (MESF). NCW currently consists of 20 Mobile Inshore Undersea Warfare (MIUW) units and 8 Harbor Defense Command (HDC) units operating Mobile Ashore Support Terminal IIIs (MAST IIIs). NCW also includes 14 Inshore Boat Units (IBU) comprised of 6 small craft (boats) each on which are installed C4I systems . The Mobile Inshore Undersea Warfare - Radar Sonar Surveillance Center (RSSC) is the primary system used by the NCW MIUW Units and 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 Naval Coastal Warfare (NCW) organizations (NCW Squadrons, Mobile Inshore Undersea Warfare Units, Inshore Boat Units, Mobile Security Squadrons, Mobile Security Detachments, Embarked Security Detachments, and Embarked Security Teams) into the MESF 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, MESF will deploy adaptive force packages (AFPs) tailored for the specific missions to achieve greater efficiency and combat readiness than the current NCW force. By establishing a professional warfare community and dedicated Maritime Expeditionary Security Force capable of meeting the full range of security requirements, MESF closes a critical gap essential to full mission readiness for MSO. MESF 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 MESF as it is being determined externally by world events and internally by the progress of DoD initiatives to replace Cold War forces and capabilities with 21st century transformational forces and capabilities. The associated developmental efforts will ultimately transition into an adaptive force package Navy Expeditionary Security System (NESS). MESF forces currently field legacy systems designed to counter more traditional military threats in a two Major Theater War scenario. Future MESF units will develop into a highly effective, relatively low cost transformational force capable of operating anywhere in the world to perform a spectrum of force protection missions ranging from full scale port security/harbor defense operations during wartime to short duration point defense of high value units or facilities in operations other than war. This transformational 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 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.

CLASSIFICATION:	UNCLASSIFIED	
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION (CONTINUATION)		DATE May 2009
APPROPRIATION/BUDGET ACTIVITY **RDTEN/BA 5**	PROGRAM ELEMENT NUMBER AND NAME **0604230N/WARFARE SUPPORT SYSTEM**	PROJECT NUMBER AND NAME **4011/Naval Coastal Warfare Surv and C4I Sys**

Replacing the current GDFS software with the Tactically Integrated Sensors (TIS) software constitutes an upgrade to the MIUW-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 MESF units. One of the key initial new sensors envisioned to be linked with this TIS system is a wide field Mid-Wave Infra-Red (MWIR) sensor that is the focus of the Enabling Capability in the FNC program.

This funding supports the initiation of the Identity Dominance System program starting in FY09. The Navy 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. This dictates 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 on whether to detain or further investigate an individual.

CLASSIFICATION:	UNCLASSIFIED	
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION		DATE May 2009
APPROPRIATION/BUDGET ACTIVITY **RDTEN/BA 5**	PROGRAM ELEMENT NUMBER AND NAME **0604230N/WARFARE SUPPORT SYSTEM**	PROJECT NUMBER AND NAME **4011/Naval Coastal Warfare Surv and C4I Sys**

B. ACCOMPLISHMENTS/PLANNED PROGRAM:

	FY 2008	FY 2009	FY 2010
NCW Upgrades	1.383	3.716	2.509
RDT&E Articles Quantity	0	0	0

FY08/09/10 - NCW Upgrades - Research and develop next generation NCW surveillance and C4I systems capabilities, to include new or improved Tactical Command and Control system, Electronic Systems Management, Under-Sea surveillance, Acoustic tracking of surface contacts, Data Fusion, Autonomous Sensors, Small Craft Situational Awareness/Combat ID, improved IR cameras, auto detect and track software, and improved data recording technologies. The next generation capabilities are based on the requirements in the Maritime Expeditionary Security Initial Capability Document (MES ICD).

FY08/09 - Initiates the Tactically Integrated Sensors, Abbreviated Acquisition Program (TIS AAP) to modify and transition an ASW combat system software tool to the MESF Forces.

FY09 - Provide system engineering and software/system integration activities with next generation C4ISR systems and sensors with a specific focus on the transition of the improved Imaging Technology (IIT) Future Naval Capability sensor systems. The IIT FNC supports the MESF role in Maritime Domain Awareness and is a capability need for the Integrated Swimmer Defense program.

FY10 - Provides program management support to transition next generation MESF capabilities based on the Maritime Expeditionary Security Initial Capabilities Document.

	FY 2008	FY 2009	FY 2010
Identity Dominance System	0.000	4.569	3.798
RDT&E Articles Quantity	0	0	0

FY09 - Identity Dominance System - Program Management acquisition preparations for a Milestone B for the IDS program of record. Additional efforts will focus on the actual systems engineering and hardware/software development of the Identity Dominance System device.

FY10 - Identity Dominance System - Program Management acquisition preparations for a Milestone C for the IDS program of record and the production of the IDS device.

C. OTHER PROGRAM FUNDING SUMMARY:

Line Item No. and Name	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	To Complete	Total Cost
OPN 8120 NCW (PEs 0203422N/0503372N)	13.880	13.510	5.422	0.000	0.000	0.000	0.000	0.000	32.812
Related RDT&E:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
OPN 8128 Physical Security Equipment (PE 0208147N)	1.410	0.030	0.030	0.000	0.000	0.000	0.000	0.000	1.470
Related RDT&E:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

D. ACQUISITION STRATEGY:

NCW - There are eight (8) 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 - The key effort in FY10 is 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. This IP capability is required because Navy legacy circuits that MIUW relies on (i.e. OTCIXS, CUDIXS, Fleet Broadcast) are being ceased in FY11 and transitioning to IP circuits (i.e. DMS Proxy, Assured IP). GCCS-M upgrades from 3.x to 4.x (or Maritime Tactical Services) will be required as 3.x will not be supported after FY10.

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. A fieldable prototype (the Tactical Biometrics Collection and Matching System (TBCMS)) was developed by the Naval Innovation Laboratory (NaIL) and provided to operational Navy and Marine Corps units for evaluation and comment in August 2007. A market survey conducted by the NaIL concluded that no COTS or GOTS systems could meet the requirements in the IDS CDD so a development effort is deemed necessary. Since the TBCMS prototype design was assessed by SEA05 at TRL 6 the IDS program is planned to enter System Demonstration (SD) at Milestone B in September 2009, and the SD phase is planned to culminate in a Milestone C decision in September 2011. NSWCDD Dahlgren will act as the Technical Direction Agent for PMS-480 in executing the effort, and system design, fabrication, developmental testing, and logistical support preparations will be accomplished via a prime contractor to be selected during a competitive contracting process immediately following the Milestone B decision.

E. MAJOR PERFORMERS:

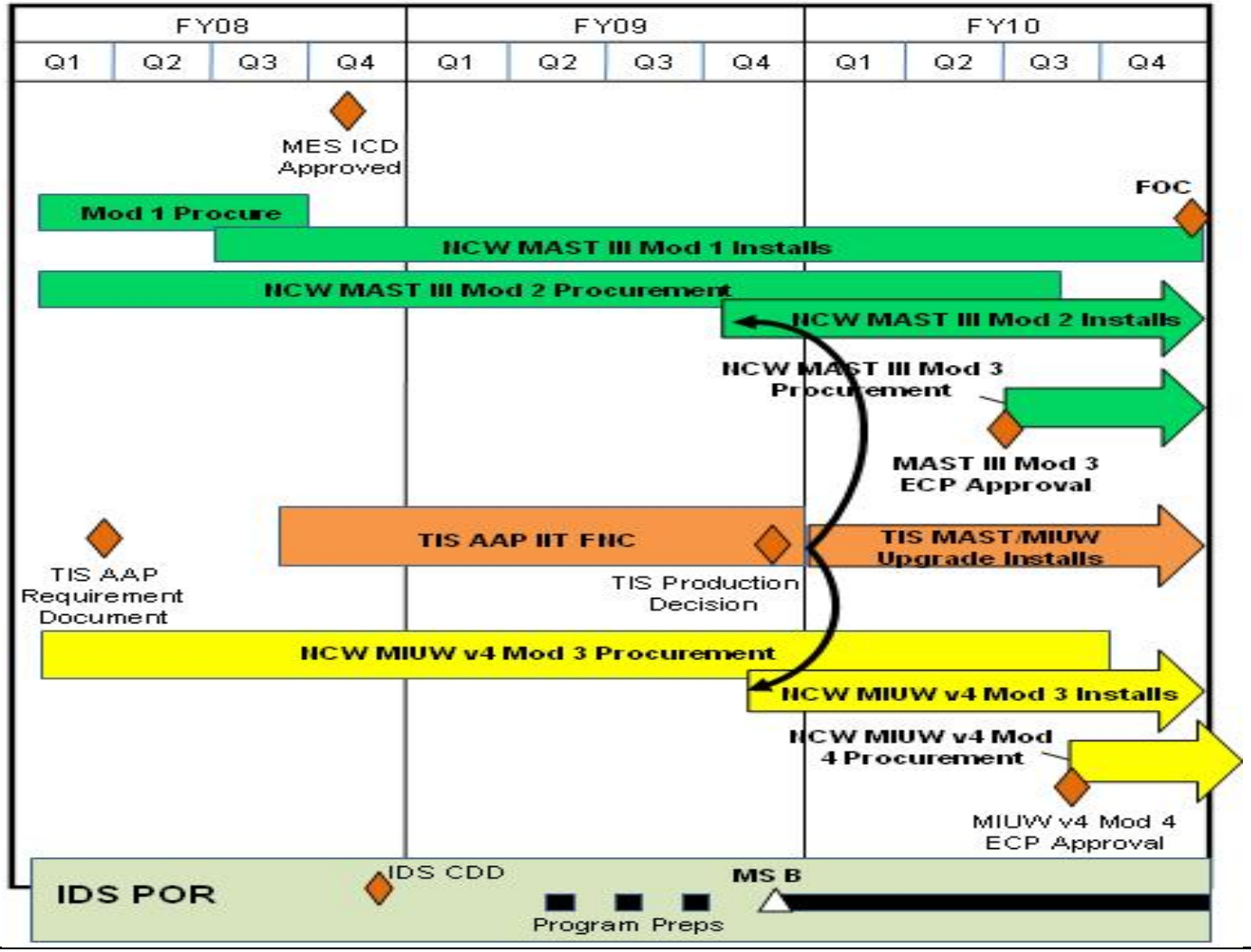
NCW: SSC San Diego and SSC Charleston are the major performers. These activities perform systems engineering analysis and integration activities associated with next generation surveillance and C41 systems with focus on integration of existing joint, service, and non-DoD systems. SSC San Diego is the primary integrator for software and COTS/GOTS equipment.

IDS: NSWC Dahlgren

CLASSIFICATION:	UNCLASSIFIED											
EXHIBIT R-3, RDT&E PROJECT COST ANALYSIS									DATE May 2009			
APPROPRIATION/BUDGET ACTIVITY **RDTEN/BA 5**		PROGRAM ELEMENT NUMBER AND NAME **0604230N/WARFARE SUPPORT SYSTEM**					PROJECT NUMBER AND NAME **4011/Naval Coastal Warfare Surv and C4I Sys**					
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY Cost ($000)	FY 2008 Cost ($000)	FY 2008 Award Date	FY 2009 Cost ($000)	FY 2009 Award Date	FY 2010 Cost ($000)	FY 2010 Award Date	Cost to Complete ($000)	Total Cost ($000)	Target Value of Contract
Hardware/Software Development	C/CPFF	SSC CH/SSC SD	0.100	0.000		0.000		0.000				
Hardware/Software Development	WR	NSWC DAHLGREN	0.000	0.000		1.800	FEB-09	1.500	FEB-10			
Hardware/Software Development	WR	NSWC CRANE	0.000	0.000		0.750	FEB-09	0.000				
Systems Engineering	C/CPFF	SSC CH/SSC SD	0.547	0.000		0.000		0.000				
Systems Engineering	WR	SSC CH/SSC SD	0.300	0.000		0.300	FEB-09	0.300	FEB-10			
Systems Engineering	WR	NUWC KEYPORT	0.400	0.000		0.400	FEB-09	0.300	FEB-10			
Systems Engineering	WR	NSMRL	0.100	0.000		0.050	FEB-09	0.000				
Systems Engineering	C/CPFF	SSC SD	6.647	0.000		0.000		0.000				
Systems Engineering	WR	NSWC DAHLGREN	0.000	0.000		1.800	FEB-09	0.500	FEB-10			
Systems Engineering	WR	NUWC NEWPORT	0.000	0.000		0.000		0.000				
Training Development	WR	SSC CH/SSC/SD	0.201	0.000		0.100	FEB-09	0.100	FEB-10			
Test Integration	WR	NUWC Keyport	0.819	0.000		0.000		0.000				
Test Integration	WR	NSWC Crane	0.000	0.000		0.200	FEB-09	0.000				
Subtotal Product Development			**9.114**	**0.000**		**5.400**		**2.700**				
Remarks:												
Technical Data	WR	SSC CH/SSC SD	0.200	0.000		0.100	FEB-09	0.101	FEB-10			
Technical Data	WR	NSWC CRANE	0.000	0.000		0.250	FEB-09	0.000				
Technical Data	WR	NUWC KEYPORT	0.150	0.000		0.150	FEB-09	0.050	FEB-10			
Technical Data	MIPR	Coast Guard	0.175	0.000		0.000		0.000				
Technical Data	WR	NSWC DAHLGREN	0.000	0.000		0.000		0.000				
Test Planning	WR	NUWC KEYPORT	0.000	0.000		0.100	FEB-09	0.000				
Test Planning	WR	NSWC CRANE	0.000	0.000		0.250	FEB-09	0.000				
Test Planning	WR	SSC CH/SSC SD	0.100	0.000		0.100	FEB-09	0.000				
Test Planning - Non-Lethal	WR	NSWC DAHLGREN	0.000	0.000		0.500	FEB-09	0.000				
Test Planning - IDS	WR	NSWC DAHLGREN	0.000	0.000		0.000		0.300	FEB-10			
Subtotal Support Costs			**0.625**	**0.000**		**1.450**		**0.451**				
Remarks:												

CLASSIFICATION:	UNCLASSIFIED											
EXHIBIT R-3, RDT&E PROJECT COST ANALYSIS									DATE May 2009			
APPROPRIATION/BUDGET ACTIVITY **RDTEN/BA 5**		PROGRAM ELEMENT NUMBER AND NAME **0604230N/WARFARE SUPPORT SYSTEM**					PROJECT NUMBER AND NAME **4011/Naval Coastal Warfare Surv and C4I Sys**					
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY Cost ($000)	FY 2008 Cost ($000)	FY 2008 Award Date	FY 2009 Cost ($000)	FY 2009 Award Date	FY 2010 Cost ($000)	FY 2010 Award Date	Cost to Complete ($000)	Total Cost ($000)	Target Value of Contract
Program Management Support	WR	SSC CH/SSC SD	0.000	0.000		0.032	OCT-08	0.079	FEB-10			
Program Management Support	WR	NUWC KEYPORT	0.150	0.000		0.100	FEB-09	0.000				
Program Management Support	WR	NSWC DAHLGREN	0.000	0.000		0.976	FEB-09	1.000	FEB-10			
Program Management Support	WR	NSWC CRANE	0.083	0.000		0.302	FEB-09	0.100	FEB-10			
Program Management Support	Various	Various	0.000	0.000		0.000		1.947	FEB-10			
Travel	Various	Various	0.050	0.000		0.025	OCT-08	0.030	FEB-10			
Subtotal Management Services			**0.283**	**0.000**		**1.435**		**3.156**				
Remarks:												
Total Cost			**10.022**	**0.000**		**8.285**		**6.307**				

CLASSIFICATION:	UNCLASSIFIED	
EXHIBIT R-4, SCHEDULE PROFILE		DATE May 2009
APPROPRIATION/BUDGET ACTIVITY **RDTEN/BA 5**	PROGRAM ELEMENT NUMBER AND NAME **0604230N/WARFARE SUPPORT SYSTEM**	PROJECT NUMBER AND NAME **4011/Naval Coastal Warfare Surv and C4I Sys**



CLASSIFICATION:	UNCLASSIFIED						
EXHIBIT R-4a, SCHEDULE DETAIL					DATE May 2009		
APPROPRIATION/BUDGET ACTIVITY **RDTEN/BA 5**	PROGRAM ELEMENT NUMBER AND NAME **0604230N/WARFARE SUPPORT SYSTEM**			PROJECT NUMBER AND NAME **4011/Naval Coastal Warfare Surv and C4I Sys**			
Schedule Profile	FY 2008	FY 2009	FY 2010				
MES ICD	4TH QTR						
IDS CDD	4TH QTR						
MILESTONE B		4TH QTR					
TIS AAP OPNAV REQUIREMENT DOCUMENT	1ST QTR						
TIS AAP IIT FNC	3RD-4TH QTR	1ST-4TH QTR					
TIS AAP PRODUCTION DECISION		4TH QTR					
TIS MAST/MIUW INSTALLS			1ST-4TH QTR				
MAST III MOD 1 PROCUREMENT	1ST-3RD QTR						
MAST III MOD 1 INITIAL INSTALLS	3RD-4TH QTR	1ST-4TH QTR	1ST-4TH QTR				
MAST III MOD 1 FOC			4TH QTR				
MAST III MOD 2 PROCUREMENT	1ST-4TH QTR	1ST-4TH QTR	1ST-3RD QTR				
MAST III MOD 2 INITIAL INSTALLS		4TH QTR	1ST-4TH QTR				
MAST III MOD 3 ECP APPROVAL			3RD QTR				
MAST III MOD 3 PROCUREMENT			3RD-4TH QTR				
MIUW v4 MOD 3 PROCUREMENT	1ST-4TH QTR	1ST-4TH QTR	1ST-3RD QTR				
MIUW v4 MOD 3 INITIAL INSTALLS		4TH QTR	1ST-4TH QTR				
MIUW v4 MOD 4 ECP APPROVAL			3RD QTR				
MIUW v4 MOD 4 PROCUREMENT			3RD-4TH QTR				

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION			DATE May 2009
APPROPRIATION/BUDGET ACTIVITY **RDTEN/BA 5**	PROGRAM ELEMENT NUMBER AND NAME **0604230N/WARFARE SUPPORT SYSTEM**	PROJECT NUMBER AND NAME **9999/CONGRESSIONAL ADDS**	

B. ACCOMPLISHMENTS/PLANNED PROGRAM:

	FY 2008	FY 2009	FY 2010
9C03A - Agent Based Expeditionary Security System	0.775	0.000	0.000
RDT&E Articles Quantity	0	0	0

9C03A - Congressional Add - FY08 - Agent-Based Expeditionary Security System $.775 - Agent-Based Expeditionary Security System for Anti-Terrorist Afloat (AESS AT Afloat) will enable evaluation and integration of independent sensors and response technologies, development of alert protocols based on Navy rules of engagement, and communications compatible with NECC systems requirements.

	FY 2008	FY 2009	FY 2010
9C04A- Distribution Detection Classification	1.550	0.000	0.000
RDT&E Articles Quantity	0	0	0

9C04A - Congressional Add - FY08 - Distributed Detection Classification $1.550 - Development, integration and fielding of a Open Architecture (OA), network centric test bed to provide demonstration and evaluation of plug-and-play technologies for surface and undersea force protection capabilities and concept of operation generation. Development and evaluation of modular and expandable force protection capabilities, including distributed multi-sensor fusion for increased situational awareness, Detection, Classification, and Localization (DCL) automation and sensor interoperability including surface search radar integration.

	FY 2008	FY 2009	FY 2010
9C05A - Wireless Imaging and Sensor Network	0.969	0.000	0.000
RDT&E Articles Quantity	0	0	0

9C05A - Congressional Add - FY08 - Wireless Imaging and Sensor Network $.969 - Development of the RSMM (Remote Sensor Monitoring and Management) system designed for expeditionary use and provide a prototype for evaluation.

	FY 2008	FY 2009	FY 2010
9D67A - Common Expeditionary Force Protection System	0.000	3.989	0.000
RDT&E Articles Quantity	0	0	0

9D67A - Congressional Add - FY09 - Common Expeditionary Force Protection System $3.989 - Development of common Expeditionary Force Protection System Architecture (CEFPSA) to provide command and control decision support for the Integrated Swimmer Defense System (ISD). CEFPSA is the integrating backbone for the various sensors and data feeds required for ISD. CEFPSA technology is also flexible enough to meet Navy Expeditionary Combat Command (NECC) land-based force protection mission requirements.