CLASSIFICATION:	UNCLASSIFIED						
EXHIBIT R-2, RDT&E BUDGET ITEM JUSTIFICATION						DATE February 2008	
APPROPRIATION/BUDGET ACTIVITY **RDTEN/BA 5**			R-1 ITEM NOMENCLATURE **0604230N/WARFARE SUPPORT SYSTEM**				
COST (In Millions)	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Total PE Cost	9.753	6.228	8.611	3.232	3.483	4.416	8.553
3140 / SEA EAGLE ACTD	0.667	0.924	0.000	0.000	2.014	2.913	7.017
3184 / Regional Maritime Awareness Capability (RMAC)	0.000	0.528	0.302	0.000	0.000	0.000	0.000
4011 / Naval Coastal Warfare Surv and C4I Sys	8.115	1.397	8.309	3.232	1.469	1.503	1.536
9999 / CONGRESSIONAL ADDS	0.971	3.379	0.000	0.000	0.000	0.000	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.

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

B. PROGRAM CHANGE SUMMARY:

Funding:	FY 2007	FY 2008	FY 2009
President's Budget (PB08)	2.194	2.911	1.738
Current BES/FMB08/OSD (FY08.09 Pres Bud Control)	9.753	6.228	8.611
Total Adjustments	7.559	3.317	6.873
Congressional Adjustment	1.000	3.400	
Undistributed General Reductions	-0.088	-0.083	-0.044
Execution Realignment	6.647		
MDA Augmentation			5.117
AT/FP Biometrics Realignment			1.800

CLASSIFICATION:	UNCLASSIFIED						
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION					DATE February 2008		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Project Cost	0.667	0.924	0.000	0.000	2.014	2.913	7.017
RDT&E Articles Qty	0	0	0	0	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 SeaEagle 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 JohnsHopkinsUniversity 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.

FY2007/2008 - 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 February 2008
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 2007	FY 2008	FY 2009
Accomplishments/Effort/Subtotal Cost	0.667	0.924	0.000
RDT&E Articles Quantity	0	0	0

FY07/08 - 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:
FY07 Technical assessments, Spiral Two technical downselect and demonstration, 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 February 2008		
APPROPRIATION/BUDGET ACTIVITY **RDTEN/BA 5**	PROGRAM ELEMENT NUMBER AND NAME **0604230N/WARFARE SUPPORT SYSTEM**				PROJECT NUMBER AND NAME **3184/Regional Maritime Awareness Capability (RMA**		
COST (In Millions)	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Project Cost	0.000	0.528	0.302	0.000	0.000	0.000	0.000
RDT&E Articles Qty	0	0	0	0	0	0	0

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

Regional Maritime Awarness Capability (RMAC) - support GWOT by providing other USG Agencies with maritime traffic information that is not currently available. RMAC also rovides enhanced regional security, saftey, economic stability and environmental protection through shared maritime domain awarness (MDA). Capabilities include the ablity 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, as directed by OPNAV N6. The Navy funding is directed to the performing activities as outlined in the Office of the Secretary of Defense coordinated RMAC JCTD Management Plan via a program element line executed by the Program Executive Officer, Littoral and Mine Warfare's (PEO LMW) Anti-Terrorism Afloat Program Office (PMS 480).

CLASSIFICATION:	UNCLASSIFIED	
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION		DATE February 2008
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 2007	FY 2008	FY 2009
Accomplishments/Effort/Subtotal Cost	0.000	0.528	0.302
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 February 2008		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Project Cost	8.115	1.397	8.309	3.232	1.469	1.503	1.536
RDT&E Articles Qty	0	0	0	0	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 RDT&E exhibit 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.

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 Improved Imaging Technology Future Naval Capability (IIT FNC).

The RDT&E exhibit also supports the initiation of the Identity Dominance System program starting in FY09. OPNAV N857 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 February 2008
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 2007	FY 2008	FY 2009
Accomplishments/Effort/Subtotal Cost	6.647	0.000	0.000
RDT&E Articles Quantity	0	0	0

FY07: Maritime Domain Awareness (MDA) - Develop a MDA capability, SECNAV efforts.

	FY 2007	FY 2008	FY 2009
Accomplishments/Effort/Subtotal Cost	1.468	1.397	3.709
RDT&E Articles Quantity	0	0	0

FY07: 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.

	FY 2007	FY 2008	FY 2009
Accomplishments/Effort/Subtotal Cost	0.000	0.000	4.600
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.

C. OTHER PROGRAM FUNDING SUMMARY:

Line Item No. and Name	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Cost
OPN 8120 NCW (PEs 0203422N/0503372N)	10.129	13.880	13.510	15.596	16.221	17.959	18.035		
Related RDT&E:									
OPN 8128 Physical Security Equipment (PE 0208147N)	1.302	2.510	0.030	0.030	1.830	1.858	1.886		
Related RDT&E:									

D. ACQUISITION STRATEGY:

NCW - FY07 completes the last major update of the MAST system to the MAST III configuration and the MIUW-RSSC to the MIUW v4mod2 configuration. 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:

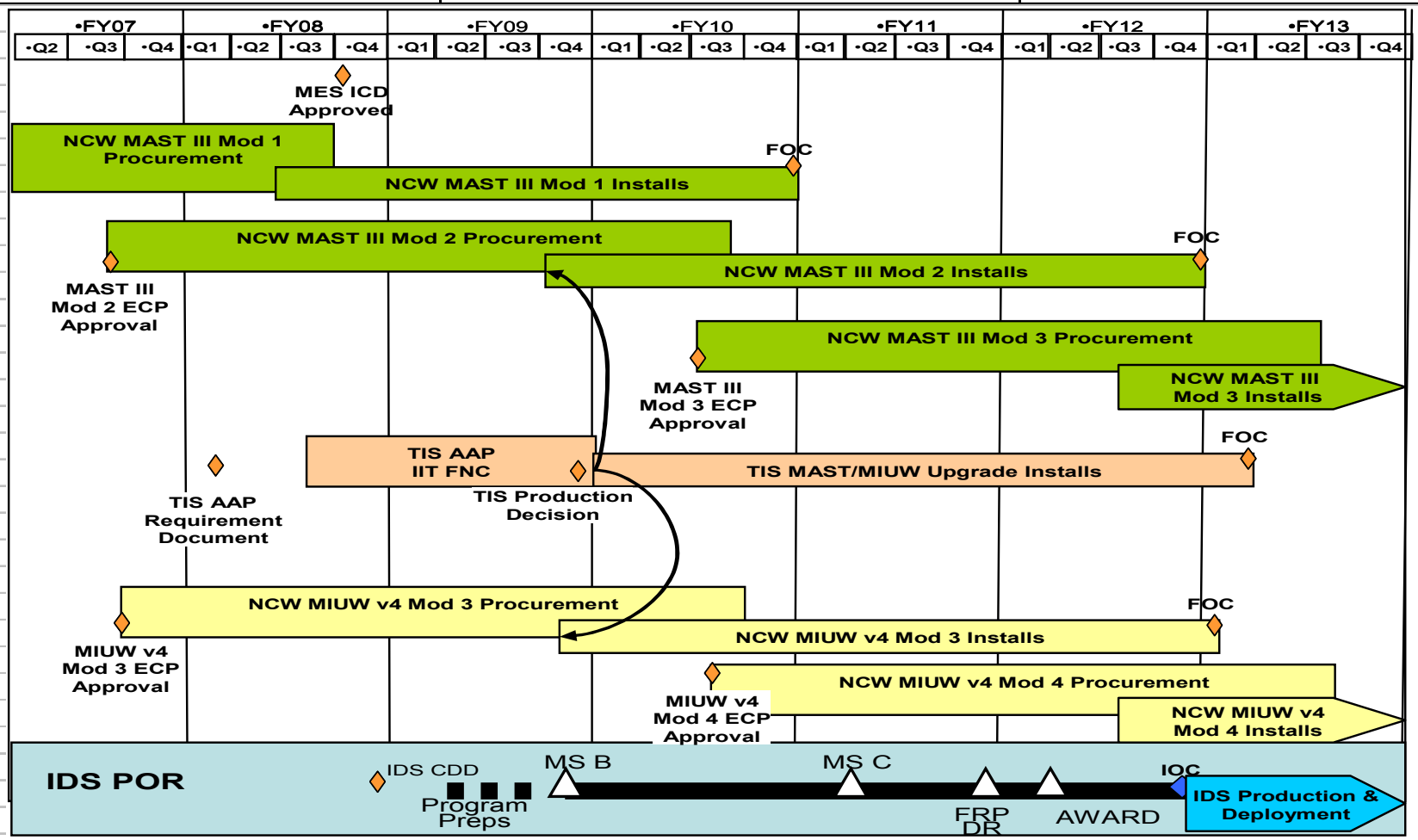
NCW: SSC San Diego and SSC Charleston are the major performers. These activities perform systems engineering analysis and integration activities associated with next generation surveillance and C41 systems with focus on integration of existing joint, service, and non-DoD systems. SSC San Diego is the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

IDS: NSWC Dahlgren

CLASSIFICATION:	UNCLASSIFIED											
EXHIBIT R-3, RDT&E PROJECT COST ANALYSIS									DATE February 2008			
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 2007 Cost ($000)	FY 2007 Award Date	FY 2008 Cost ($000)	FY 2008 Award Date	FY 2009 Cost ($000)	FY 2009 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		0.000	0.100	0.000
Hardware/Software Development	WR	NSWC DAHLGREN	0.000	0.000		0.000		1.800	FEB-09	0.000	1.800	0.000
Hardware/Software Development	WR	NSWC CRANE	0.000	0.000		0.000		1.000	FEB-09	0.000	1.000	0.000
Systems Engineering	C/CPFF	SSC CH/SSC SD	0.100	0.447	OCT-06	0.000		0.000		0.000	0.547	0.000
Systems Engineering	WR	SSC CH/SSC SD	0.000	0.000		0.300	FEB-08	0.300	FEB-09	0.000	0.600	0.000
Systems Engineering	WR	NUWC KEYPORT	0.000	0.000		0.400	FEB-08	0.400	FEB-09	0.000	0.800	0.000
Systems Engineering	WR	NSMRL	0.000	0.050	APR-07	0.000		0.000		0.000	0.050	0.000
Systems Engineering	C/CPFF	SSC SD	0.000	6.647	JUN-07	0.000		0.000		0.000	6.647	0.000
Systems Engineering	WR	NSWC DAHLGREN	0.000	0.000		0.000		1.800	FEB-09	0.000	1.800	0.000
Training Develo[pment	WR	SSC CH/SSC SD	0.000	0.201	OCT-06	0.100	FEB-08	0.100	FEB-09	0.000	0.401	0.000
Test Integration	WR	NUWC KEYPORT	0.149	0.670	JAN-07	0.000		0.000		0.000	0.819	0.000
Test Integration	WR	NSWC CRANE	0.000	0.000		0.000		0.500	FEB-09	0.000	0.500	0.000
Subtotal Product Development			**0.349**	**8.015**		**0.800**		**5.900**		**0.000**	**15.064**	**0.000**
Remarks:												
Technical Data	WR	SSC CH/SSC SD	0.000	0.100	OCT-06	0.100	FEB-08	0.100	FEB-09	0.000	0.300	0.000
Technical Data	WR	NSWC CRANE	0.000	0.000		0.000		0.250	FEB-09	0.000	0.250	0.000
Technical Data	WR	NUWC KEYPORT	0.000	0.000		0.150	FEB-08	0.150	FEB-09	0.000	0.300	0.000
Technical Data	MIPR	Coast Guard	0.175	0.000		0.000		0.000		0.000	0.175	0.000
Test Planning	WR	NUWC KEYPORT	0.000	0.000		0.000		0.100	FEB-09	0.000	0.100	0.000
Test Planning	WR	NSWC CRANE	0.000	0.000		0.000		0.250	FEB-09	0.000	0.250	0.000
Test Planning	WR	SSC CH/SSC SD	0.000	0.000		0.100	FEB-08	0.100	FEB-09	0.000	0.200	0.000
Subtotal Support Costs			**0.175**	**0.100**		**0.350**		**0.950**		**0.000**	**1.575**	**0.000**
Remarks:												
Program Management Support	WR	SSC CH/SSC SD	0.000	0.000		0.044	OCT-07	0.032	OCT-08	0.000	0.076	0.000
Program Management Support	WR	NUWC KEYPORT	0.000	0.000		0.131	FEB-08	0.100	FEB-09	0.000	0.231	0.000
Program Management Support	WR	NSWC DAHLGREN	0.000	0.000		0.000		1.000	FEB-09	0.000	1.000	0.000
Program Management Support	WR	NSWC CRANE	0.000	0.000		0.047	FEB-08	0.302	FEB-09	0.000	0.349	0.000

CLASSIFICATION:	UNCLASSIFIED											
EXHIBIT R-3, RDT&E PROJECT COST ANALYSIS									DATE February 2008			
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 2007 Cost ($000)	FY 2007 Award Date	FY 2008 Cost ($000)	FY 2008 Award Date	FY 2009 Cost ($000)	FY 2009 Award Date	Cost to Complete ($000)	Total Cost ($000)	Target Value of Contract
Travel	Various	Various	0.000	0.000		0.025	OCT-07	0.025	OCT-08	0.000	0.050	0.000
Subtotal Management Services			**0.000**	**0.000**		**0.247**		**1.459**		**0.000**	**1.706**	**0.000**
Remarks:												
Total Cost			**0.524**	**8.115**		**1.397**		**8.309**		**0.000**	**18.345**	**0.000**

CLASSIFICATION:	UNCLASSIFIED	
EXHIBIT R-4, SCHEDULE PROFILE		DATE February 2008
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 February 2008		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
MES ICD			4TH QTR				
MAST III MOD 1 INITIAL INSTALLS		3RD-4TH	1ST-4TH	1ST-4TH			
MAST III MOD 1 FOC				4TH QTR			
MAST III MOD 2 ECP APPROVAL	3RD QTR						
MAST III MOD 2 INITIAL INSTALLS			3RD-4TH	1ST-4TH	1ST-4TH	1ST-4TH	
MAST III MOD 2 ECP FOC						4TH QTR	
MAST III MOD 3 ECP APPROVAL				3RD QTR			
MAST III MOD 3 INITIAL INSTALLS						3RD-4TH	1ST-4TH
MIUW v4 MOD 3 ECP APPROVAL				3RD QTR			
MIUW v4 MOD 3 ECP INITIAL INSTALLS			4TH QTR	1ST-4TH	1ST-4TH	1ST-4TH	1ST QTR
MIUW v4 MOD 3 ECP FOC							1ST QTR
MIUW v4 ECP APPROVAL				3RD QTR			
MIUW v4 MOD 4 INITIAL INSTALLS						4TH QTR	1ST-4TH
TIS AAP OPNAV REQUIREMENT DOCUMENT		1ST QTR					
TIS AAP PRODUCTION DECISION			4TH QTR				
TIS AAP FOC							1ST QTR
IDS CDD		4TH QTR					
MILESTONE B			4TH QTR				
MILESTONE C					2ND QTR		
FRP DR					4TH QTR		
IDS RFP						2ND QTR	
IDS IOC						4TH QTR	

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION			DATE February 2008
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 2007	FY 2008	FY 2009
9A09N Advanced Composite Riverine Craft	0.971	0.000	0.000
RDT&E Articles Quantity	0	0	0

* Concept trade study and material selections
* Design/fabricate demonstration hull section and test articles
* Validation test data for protection concepts
* Demonstration test reports

	FY 2007	FY 2008	FY 2009
9999 - Agent Based Expeditionary Security System	0.000	0.795	0.000
RDT&E Articles Quantity	0	0	0

	FY 2007	FY 2008	FY 2009
9999 - Wireless Imaging and Sensor Network	0.000	0.994	0.000
RDT&E Articles Quantity	0	0	0

	FY 2007	FY 2008	FY 2009
9999 - Distributed Detection Classification	0.000	1.590	0.000
RDT&E Articles Quantity	0	0	0