Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Navy										DATE: February 2012	
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 7: *Operational Systems Development*				R-1 ITEM NOMENCLATURE PE 0204311N: *Integrated Surveillance System*							
COST ($ in Millions)	**FY 2011**	**FY 2012**	**FY 2013 Base**	**FY 2013 OCO**	**FY 2013 Total**	**FY 2014**	**FY 2015**	**FY 2016**	**FY 2017**	**Cost To Complete**	**Total Cost**
Total Program Element	28.161	21.259	45.922	-	45.922	29.221	32.637	34.795	21.174	Continuing	Continuing
0344: *SUB AUXILIARIES*	-	-	2.998	-	2.998	1.007	11.994	13.991	-	0.000	29.990
0766.: *IUSS Detect/Classif System*	28.161	21.259	42.924	-	42.924	28.214	20.643	20.804	21.174	Continuing	Continuing

A. Mission Description and Budget Item Justification

This Program Element (PE) comprises two projects - 0766 and 0344. Project 0766 provides for Integrated Undersea Surveillance Systems (IUSS) Research and Development Projects under the Maritime Surveillance Systems (MSS) Program Office (PEO SUB PMS 485). IUSS provides the Navy with its primary means of submarine detection both nuclear and diesel. A portion of project 0766 (FSS) is classified, with details available at a higher classification level. Project 0344 funds the Shallow Water Surveillance System (SWSS) project to develop and demonstrate a deployable, medium endurance underwater sensor to detect and classify submarines specifically operating in shallow water areas.

The IUSS Research and Development project (0766) funds SURTASS Passive and SURTASS Low Frequency Active (LFA) developments. SURTASS provides the mobile, tactical arm of the Integrated Undersea Surveillance System, providing long range detection and cueing for tactical weapons platforms against both diesel and nuclear powered submarines. SURTASS LFA provides an active adjunct capability for IUSS passive and tactical sensors to assist in countering the quieter diesel and nuclear threats of the 1990s and beyond. The LFA tasks are directed at detection of slow quiet threats in harsh littoral waters.

In order to continue with reductions in life cycle costs and continue with system-wide consolidation, a short-term goal is to develop a common IUSS processor based on NAVSEA's Acoustic Rapid COTS Insertion (ARCI) program. The IUSS Integrated Common Processor (ICP) will have the capability to process and display data from all fixed and mobile underwater systems. The IUSS ICP will be used for all new system installations and replace the legacy systems as they reach end of life and require upgrading. Additionally, SURTASS has consolidated on the TB-29A Twin-line array, a variant of the Submarine TB-29A Long line array. This reduced the number of array variants employed by SURTASS from 3 to 1, and enabled development and logistics cost savings by leveraging off the submarine TB-29A program.

The Shallow Water Surveillance System (SWSS) project (0344) funds the development and demonstration of technology to enable a deployable, medium endurance underwater sensor to detect and classify submarines operating in shallow water areas of the world with sufficient timeliness and accuracy to permit re-acquisition of the submarine target using local tactical assets.

Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Navy					DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 7: *Operational Systems Development*		R-1 ITEM NOMENCLATURE PE 0204311N: *Integrated Surveillance System*			
B. Program Change Summary ($ in Millions)	**FY 2011**	**FY 2012**	**FY 2013 Base**	**FY 2013 OCO**	**FY 2013 Total**
Previous President's Budget	23.464	21.259	21.534	-	21.534
Current President's Budget	28.161	21.259	45.922	-	45.922
Total Adjustments	4.697	-	24.388	-	24.388
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	4.838	-			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	-	-	24.404	-	24.404
• Rate/Misc Adjustments	-	-	-0.016	-	-0.016
• Congressional General Reductions Adjustments	-0.141	-	-	-	-

Change Summary Explanation

Technical: Not applicable.

Schedule: Not applicable.

Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy			DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0204311N: *Integrated Surveillance System*	PROJECT 0344: *SUB AUXILIARIES*	

COST ($ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
0344: *SUB AUXILIARIES*	-	-	2.998	-	2.998	1.007	11.994	13.991	-	0.000	29.990
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

The Shallow Water Surveillance System (SWSS) project (0344) funds the development and demonstration of technology to enable a deployable, medium endurance underwater sensor to detect and classify submarines operating in shallow water areas of the world with sufficient timeliness and accuracy to permit re-acquisition of the submarine target using local tactical assets.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2011	FY 2012	FY 2013
Title: SWSS	-	-	2.998
Articles:			0
FY 2013 Plans: SWSS Funding in FY13 will be used for required activities to enable program initiation in FY15, to include acquisition documentation development, system engineering trade studies and early risk reduction testing of component technologies.			
Accomplishments/Planned Programs Subtotals	-	-	2.998

C. Other Program Funding Summary ($ in Millions)

N/A

D. Acquisition Strategy

TBD

E. Performance Metrics

Development of the requirements document for SWSS is one of the primary acquisition documents that will be developed starting in FY13. Performance metrics will either be directly stated in that document or will be derived through the system engineering process used to describe the system specifications.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0204311N: *Integrated Surveillance System*	PROJECT 0344: *SUB AUXILIARIES*

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2012 Cost	FY 2012 Award Date	FY 2013 Base Cost	FY 2013 Base Award Date	FY 2013 OCO Cost	FY 2013 OCO Award Date	FY 2013 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Acquisition Documentation	TBD	TBD:TBD	-	-		0.498	Nov 2012	-		0.498	0.000	0.498	
System Engineering Trade Studies	TBD	TBD:TBD	-	-		1.000	Nov 2012	-		1.000	0.000	1.000	
Component Technology Risk Reduction Testing	TBD	TBD:TBD	-	-		1.500	Nov 2012	-		1.500	0.000	1.500	
Need Item Text	C/BA	Not Specified:Not Specified	-	-		-		-		-	0.000	0.000	
		Subtotal	-	-		2.998		-		2.998	0.000	2.998	

	Total Prior Years Cost	FY 2012 Cost	FY 2012 Award Date	FY 2013 Base Cost	FY 2013 Base Award Date	FY 2013 OCO Cost	FY 2013 OCO Award Date	FY 2013 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	-		2.998		-		2.998	0.000	2.998	

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0204311N: *Integrated Surveillance System*	PROJECT 0344: *SUB AUXILIARIES*

Exhibit R-4A, RDT&E Schedule Details: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 7: *Operational Systems Development*	**R-1 ITEM NOMENCLATURE** PE 0204311N: *Integrated Surveillance System*	**PROJECT** 0344: *SUB AUXILIARIES*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Proj 0344				
Documentation / System Engineering	1	2013	4	2014
System Development and Subsystem Testing	1	2015	3	2016
System Demonstration	4	2016	4	2016
Production	1	2017	4	2017

Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy			DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0204311N: *Integrated Surveillance System*	PROJECT 0766.: *IUSS Detect/Classif System*	

COST ($ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
0766.: *IUSS Detect/Classif System*	28.161	21.259	42.924	-	42.924	28.214	20.643	20.804	21.174	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

Note

The FSS portion of 0766 is classified with details available at a higher classification level.

A. Mission Description and Budget Item Justification

A. This project includes efforts for SURTASS. The SURTASS project comprises the mobile, tactical arm of the Integrated Undersea Surveillance System, providing long range detection and cueing for tactical weapons platforms against both diesel and nuclear powered submarines. SURTASS also provides the undersea surveillance necessary to support regional conflicts and sea-lane protection. SURTASS has experienced recent passive and active success against diesel submarines operating in shallow water. SURTASS is leveraging existing developments and reducing costs by using Non-Developmental Items and commercial hardware, supporting common Navy Undersea Warfare processing and towed array developments, and increasing operator efficiency through computer-aided detection and classification processing. SURTASS development efforts include: LFA improvements, common IUSS processing, twin-line array development and processing, improved detection and classification/passive automation to counter quieter threats, additional signal processing, integrated active and passive operations, improved Battle Group support, and improved information processing.

LFA provides an active adjunct capability for IUSS passive and tactical sensors to counter the quieter diesel and nuclear threats of the 1990s and beyond. The LFA tasks are directed at detection of slow, quiet threats in harsh littoral waters. Improvements include TL-29A/LFA integration enhancements, advanced waveforms for littoral/shallow water operations including Doppler sensitive waveforms, and processing algorithms to reduce clutter and reverberation false alarms in shallow water. The LFA task includes development and testing of a compact LFA transmit source array for SWATH-P ships, and upgrade of LFA processing capability in the IUSS Integrated Common Processing (ICP) architecture. The ICP is a derivative of the NAVSEA Submarine Acoustic Rapid COTS Insertion (ARCI) program, and is being augmented for IUSS requirements. Together, the LFA improvements, TL-29A, and the ICP support the SURTASS Active Improvement Program.

Functional improvements are delivered to the Fleet in software "builds", while hardware improvements are delivered through the Tech Insertion (TI) process. Software builds are based on the Advanced Processor Build (APB) process begun by the NAVSEA Submarine USW program. Each APB will introduce new capabilities into SURTASS systems including improved automation, normalizer techniques, adaptive beam forming, and display enhancements. SURTASS participates in the process by contributing algorithms for consideration, supplying peer group members for review of candidate algorithms, participating in test evolutions, and incorporating improved algorithms into operational systems. The TI process, modeled after the NAVSEA Submarine USW hardware improvement program, delivers processing technology improvements to platforms on roughly a 4-year cycle. Hardware upgrades for active and passive arrays and communications systems will also be provided during TI upgrades, but not on a regular planned development cycle as for the processing upgrades.

B. PEO SUB is involved with the development and maintenance of various IUSS systems. These systems include FDS, FDS-C, and SURTASS. The near-term goal is development of ICP, which will result in a single IUSS processor baseline, with minor maintenance efforts continuing on fielded systems. The existing system

Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0204311N: *Integrated Surveillance System*	PROJECT 0766.: *IUSS Detect/Classif System*

architecture, signal processing, contact management, and reporting requirements will be evaluated as well as the requirements for future systems. The development of the ICP will take advantage of automation advancement, array technology improvements, along with IUSS, submarine, and surface USW system commonality. Additionally, a long term goal is to activate all IUSS sensors as part of a coordinated Active Improvement Program.
The FSS portion of 0766 is classified with details available at a higher classification level.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2011	FY 2012	FY 2013
Title: ASW Study	0.659	-	-
Articles:	0		
FY 2011 Accomplishments: Continue trade-offs and studies for Distributed/Netted System concept. Evaluate Autonomous Burial Vehicle (ABV) burial improvement concepts from other sources for possible incorporation in Shallow Water Surveillance System solution. Conduct Matched Field Processing (MFP) model validation, and develop model-based statistics of MFP in various tactically significant areas for Anti-Submarine Warfare. Continue development of Reeling Pop-up Buoy (RPuB) by implementing anti-fouling device with extended at sea endurance test.			
Title: Compact Low Frequency Active	1.890	1.960	1.750
Articles:	0	0	0
FY 2011 Accomplishments: Complete DT for CLFA/TL-29A/ICP. Continue development of product improvements and corrections associated with CLFA DT and LFA FOT&E. Conduct at-sea testing of product improvements. Conduct FOT&E for LFA/TL-29A/ICP.			
FY 2012 Plans: Conduct OT of CLFA/TL-29A/ICP. Continue development of product improvements and corrections associated with CLFA DT/OT and LFA FOT&E. Conduct at-sea testing of product improvements.			
FY 2013 Plans: Continue development of product improvements and corrections associated with CLFA DT/OT and LFA FOT&E. Conduct at-sea testing of product improvements.			
Title: TB-29A/Twin-Line	1.889	1.848	1.750
Articles:	0	0	0
FY 2011 Accomplishments: Continue development of connectionless array technologies and true fiber-optic arrays. Continue efforts to explore Twin-line variants of new submarine Long-line arrays for future application to SURTASS.			

Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0204311N: *Integrated Surveillance System*	PROJECT 0766.: *IUSS Detect/Classif System*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2011	FY 2012	FY 2013
Continue development of fishing net mitigation approaches. ***FY 2012 Plans:*** Continue development of connectionless array technologies and true fiber-optic arrays. Continue efforts to explore Twin-line variants of new submarine Long-line arrays for future application to SURTASS. Continue development of fishing net mitigation approaches. ***FY 2013 Plans:*** Continue development of connectionless array technologies and true fiber-optic arrays. Continue efforts to explore Twin-line variants of new submarine Long-line arrays for future application to SURTASS. Continue development of fishing net mitigation approaches.			
Title: Integrated Common Processor (ICP)	13.333	12.136	11.018
Articles:	0	0	0
FY 2011 Accomplishments: Continue development of new automation algorithms and techniques for addressing multi-array high beam count requirements. Continue development of Littoral LFA improvements. Continue tech refresh development in coordination with the Submarine Acoustic Rapid COTS Insertion (ARCI) Program Advanced Processing Build (APB) tech refresh. Began addressing processing improvement recommendations and deficiencies associated with CLFA DT and LFA FOT&E. ***FY 2012 Plans:*** Continue development of new automation algorithms and techniques for addressing multi-array high beam count requirements. Continue development of Littoral LFA improvements. Continue tech refresh development in coordination with the Submarine Acoustic Rapid COTS Insertion (ARCI) Program Advanced Processing Build (APB) tech refresh. Continue to address processing improvement recommendations and deficiencies associated with CLFA DT/OT and LFA FOT&E. ***FY 2013 Plans:*** Continue development of new automation algorithms and techniques for addressing multi-array high beam count requirements. Continue development of Littoral LFA improvements. Continue tech refresh development in coordination with the Submarine Acoustic Rapid COTS Insertion (ARCI) Program Advanced Processing Build (APB) tech refresh. Continue to address processing improvement recommendations and deficiencies associated with CLFA DT/OT and LFA FOT&E.			
Title: Classified Effort	10.390	5.315	28.406
Articles:	0	0	0

Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0204311N: *Integrated Surveillance System*	PROJECT 0766.: *IUSS Detect/Classif System*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2011	FY 2012	FY 2013
Description: The FSS portion of 0766 is classified with details available at a higher classification level. ***FY 2011 Accomplishments:*** The FSS portion of 0766 is classified with details available at a higher classification level. ***FY 2012 Plans:*** The FSS portion of 0766 is classified with details available at a higher classification level. ***FY 2013 Plans:*** The FSS portion of 0766 is classified with details available at a higher classification level.			
Accomplishments/Planned Programs Subtotals	28.161	21.259	42.924

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
• OPN/2237: *Surveillance Towed Array Sensor System*	8.422	25.547	2.774	0.000	2.774	1.906	2.408	2.449	2.491	0.000	139.531

D. Acquisition Strategy

FY 2010: T&E Milestones: CLFA/TL-29A/ICP DT.
FY 2011: Engineering Milestones: ICP Tech Refresh.
FY 2011: T&E Milestones: CLFA/TL-29A/ICP DT. LFA/TL-29A/ICP FOT&E.
FY 2012: T&E Milestones: CLFA/TL-29A/ICP OT&E.
The FSS portion of 0766 is classified with details available at a higher classification level.

E. Performance Metrics

Successfully achieve CLFA Initial Operational Capability. Successfully complete CLFA Operation Test Readiness Review. Successfully complete CLFA Developmental Test / Operational Test. Successful demonstration of required LFA/CLFA improvements capability. Successful transition of Submarine Advanced Processing Build (APB) functionality into IUSS products. Successful transition of net mitigation technologies into Towed Array baseline.
The FSS portion of 0766 is classified with details available at a higher classification level.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0204311N: *Integrated Surveillance System*	PROJECT 0766.: *IUSS Detect/Classif System*

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2012 Cost	FY 2012 Award Date	FY 2013 Base Cost	FY 2013 Base Award Date	FY 2013 OCO Cost	FY 2013 OCO Award Date	FY 2013 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
IUSS COMMON ARCHITECTURE	C/CPFF	LOCKHEED MARTIN:VA	8.132	7.215	Nov 2011	5.726	Nov 2012	-		5.726	Continuing	Continuing	Continuing
IUSS COMMON ARCHITECTURE	C/CPFF	APL/JHU:MD	0.525	0.525	Nov 2011	0.565	Nov 2012	-		0.565	Continuing	Continuing	Continuing
IUSS COMMON ARCHITECTURE	Various	VARIOUS:Not Specified	63.568	0.755	Nov 2011	0.790	Nov 2012	-		0.790	Continuing	Continuing	Continuing
ACTIVE IMPROVEMENT/ CLFA/LFA	WR	NFESC:CA	0.398	0.447	Nov 2011	0.452	Nov 2012	-		0.452	Continuing	Continuing	Continuing
ACTIVE IMPROVEMENT/ CLFA/LFA	WR	SSC PAC:CA	0.227	0.227	Nov 2011	0.226	Nov 2012	-		0.226	Continuing	Continuing	Continuing
ACTIVE IMPROVEMENT/ CLFA/LFA	C/CPFF	APL/JHU:MD	0.375	0.375	Nov 2011	0.339	Nov 2012	-		0.339	Continuing	Continuing	Continuing
ACTIVE IMPROVEMENT/ CLFA/LFA	Various	VARIOUS:Not Specified	116.529	0.323	Nov 2011	0.339	Nov 2012	-		0.339	Continuing	Continuing	Continuing
N74 ASW STUDY	WR	SSC PAC:CA	0.449	-	Nov 2011	-	Nov 2012	-		-	Continuing	Continuing	Continuing
N74 ASW STUDY	Various	VARIOUS:Not Specified	7.545	-	Nov 2011	-	Nov 2012	-		-	Continuing	Continuing	Continuing
ARRAY IMPROVEMENTS	C/CPFF	APL/JHU:VA	0.625	0.625	Nov 2011	0.677	Nov 2012	-		0.677	Continuing	Continuing	Continuing
ARRAY IMPROVEMENTS	WR	ADAPTIVE METHODS:VA	0.222	0.271	Nov 2011	0.229	Nov 2012	-		0.229	Continuing	Continuing	Continuing
ARRAY IMPROVEMENTS	Various	VARIOUS:Not Specified	8.100	0.365	Nov 2011	0.337	Nov 2012	-		0.337	Continuing	Continuing	Continuing
FSS - Classified	Various	TBD:Not Specified	11.535	5.315	Nov 2011	28.406	Nov 2012	-		28.406	0.000	45.256	
		Subtotal	218.230	16.443		38.086		-		38.086			

Remarks

The FSS portion of 0766 is classified with details available at a higher classification level.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0204311N: *Integrated Surveillance System*	PROJECT 0766.: *IUSS Detect/Classif System*

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2012 Cost	FY 2012 Award Date	FY 2013 Base Cost	FY 2013 Base Award Date	FY 2013 OCO Cost	FY 2013 OCO Award Date	FY 2013 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
IUSS COMMON ARCHITECTURE	WR	SSC PAC:CA	1.707	1.511	Nov 2011	1.524	Nov 2012	-		1.524	Continuing	Continuing	Continuing
IUSS COMMON ARCHITECTURE	Various	VARIOUS:Not Specified	3.580	0.310	Nov 2011	0.314	Nov 2012	-		0.314	Continuing	Continuing	Continuing
ACTIVE IMPROVEMENTS/ CLFA/LFA	WR	SSC PAC:CA	0.194	0.204	Nov 2011	0.194	Nov 2012	-		0.194	Continuing	Continuing	Continuing
ACTIVE IMPROVEMENTS/ CLFA/LFA	Various	VARIOUS:Not Specified	7.207	0.090	Nov 2011	0.097	Nov 2012	-		0.097	Continuing	Continuing	Continuing
ARRAY IMPROVEMENTS	Various	VARIOUS:Not Specified	0.283	0.294	Nov 2011	0.290	Nov 2012	-		0.290	Continuing	Continuing	Continuing
		Subtotal	12.971	2.409		2.419		-		2.419			

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2012 Cost	FY 2012 Award Date	FY 2013 Base Cost	FY 2013 Base Award Date	FY 2013 OCO Cost	FY 2013 OCO Award Date	FY 2013 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
IUSS COMMON ARCHITECTURE	C/CPFF	LOCKHEED MARTIN:VA	0.953	0.821	Nov 2011	0.823	Nov 2012	-		0.823	Continuing	Continuing	Continuing
IUSS COMMON ARCHITECTURE	Various	Not Specified:Not Specified	6.093	0.392	Nov 2011	0.395	Nov 2012	-		0.395	Continuing	Continuing	Continuing
ACTIVE IMPROVEMENTS/ CLFA/LFA	WR	OPTEVFOR:Not Specified	0.125	0.125	Nov 2011	0.129	Nov 2012	-		0.129	Continuing	Continuing	Continuing
ACTIVE IMPROVEMENTS/ CLFA/LFA	Various	Not Specified:Not Specified	20.602	0.071	Nov 2011	0.072	Nov 2012	-		0.072	Continuing	Continuing	Continuing
ARRAY IMPROVEMENTS	C/CPFF	APL/JHU:MD	0.189	0.196	Nov 2011	0.194	Nov 2012	-		0.194	Continuing	Continuing	Continuing
ARRAY IMPROVEMENTS	Various	Not Specified:Not Specified	2.568	-		-		-		-	Continuing	Continuing	Continuing
		Subtotal	30.530	1.605		1.613		-		1.613			

Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0204311N: *Integrated Surveillance System*	PROJECT 0766.: *IUSS Detect/Classif System*

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2012 Cost	FY 2012 Award Date	FY 2013 Base Cost	FY 2013 Base Award Date	FY 2013 OCO Cost	FY 2013 OCO Award Date	FY 2013 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
IUSS COMMON ARCHITECTURE	Various	VARIOUS:Not Specified	4.300	0.606	Nov 2011	0.613	Nov 2012	-		0.613	Continuing	Continuing	Continuing
ACTIVE IMPROVEMENTS/ CLFA/LFA	Various	VARIOUS:Not Specified	15.412	0.098	Nov 2011	0.097	Nov 2012	-		0.097	Continuing	Continuing	Continuing
ARRAY IMPROVEMENTS	Various	VARIOUS:Not Specified	0.094	0.098	Nov 2011	0.096	Nov 2012	-		0.096	Continuing	Continuing	Continuing
		Subtotal	19.806	0.802		0.806		-		0.806			

	Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	281.537	21.259		42.924		-		42.924			

Remarks

The R3 and the R4 / R4A reflect the UNCLASSIFIED portion of the PE.

Exhibit R-4, RDT&E Schedule Profile: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 7: *Operational Systems Development*	R-1 ITEM NOMENCLATURE PE 0204311N: *Integrated Surveillance System*	PROJECT 0766.: *IUSS Detect/Classif System*

Exhibit R-4A, RDT&E Schedule Details: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 7: *Operational Systems Development*	**R-1 ITEM NOMENCLATURE** PE 0204311N: *Integrated Surveillance System*	**PROJECT** 0766.: *IUSS Detect/Classif System*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Proj 0766.L24				
CLFA / TL-29A/ ICP DT	1	2011	3	2012
CLFA / TL-29A/ ICP OT & E	4	2012	1	2013
LFA / TL-29A/ ICP FOT & E	1	2011	3	2012
CLFA / TL29A / ICP (T21)	3	2011	4	2011
CLFA / TL29A / ICP (T19)	3	2012	4	2012
CLFA Production	1	2011	3	2012
ICP Software Development	1	2011	4	2017
ICP Tech Refresh	2	2012	2	2014