CLASSIFICATION:

EXHIBIT R-2, RDT&E Budget Item Justification								DATE:			
									Febru	uary 2005	
APPROPRIATION/BUDGET ACTIVITY						R-1 ITEM NO	MENCLATURE				
RESEARCH DEVELOPMENT TEST & EVALUAT	ΓΙΟΝ, NAVY /	1	BA-7			0204311N-Inte	egrated Survei	lance Systems	;		
	Prior										Total
COST (\$ in Millions)	Years Cost	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Cost to Complete	Program
Total PE Cost	317.092	14.117	20.034	23.453	23.192	20.023	21.472	23.692	24.051	Continuing	Continuing
0766-IUSS Detection and Classification System	240.987	9.903	12.958	19.486	19.529	16.231	17.584	19.702	19.959	Continuing	Continuing
Z0766 Fixed Surveillance Systems- Note 1	76.105	4.214	3.814	3.967	3.663	3.792	3.888	3.990	4.092	Continuing	Continuing
9622 Fiber Optic Fixed Surveillance System	0.000	0.000	3.262	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.262
_											
Quantity of RDT&E Articles											0.000

(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

This Program Element (P.E.) comprises three projects - 0766, 9622, and Z0766. Project 0766 provides for Integrated Undersea Surveillance Systems (IUSS) Research and Development Projects under the Maritime Surveillance Systems (MSS) Program Office (PEO LMW PMS 485). IUSS provides the Navy with its' primary means of submarine detection both nuclear and diesel. The program has undergone a major transition from emphasis on maintaining a large dispersed surveillance force keyed to detection and tracking of submarines to a much smaller force that is effective against modern diesel and nuclear submarines in regional/littoral or broad ocean areas of interest. This transition preserves the ability to continue open ocean surveillance. Project Z0766 (FSS) is a classified project, with details available at a higher classification level. Project 9622 (Fiber Optic FSS) is a Congressional Plus-Up that supports FDS All Optical development efforts for Fixed Surveillance Systems.

(U) JUSTIFICATION FOR BUDGET ACTIVITY:

The IUSS Research and Development project (Q0766) 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.

- (U) 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 Common Processor will have the capability to process and display data from all fixed and mobile underwater systems. The IUSS Common Processor will be used for all new system installations and replace the legacy systems as they reach end of life and require upgrading. Additionally, SURTASS is consolidating on the TB-29A/TL array, a variant of the Submarine TB-29A Long line array. This will reduce the number of array variants employed by SURTASS from 4 to 1, and will enable development and logistics cost savings by leveraging off the submarine TB-29A program.
- (U) Future efforts will be focused on upgrading the LFA capability to the IUSS Common Processor baseline, support bi-static processing utilizing the TL-29A, support activation of fixed sensors, develop smaller, lighter weight acoustic sources for augmentation of small SWATH platforms, and for replacement of aging LFA sources. Together these efforts support an Active Improvement Program within IUSS.

Note 1 -- Details available at a higher classification.

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification								DATE:			
									Febru	ıary 2005	
APPROPRIATION/BUDGET ACTIVITY		PROGRAM EL	EMENT NUME	BER AND NAM	IE .	PROJECT NU	MBER AND NA	AME			
RDT&E, N / BA-7	0204311N-Inte	grated Surveill	ance Systems			0766: IUSS D	etection and (Classification	System		
	Prior										Total
COST (\$ in Millions)	Years Cost	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Cost to Complete	Program
Project Cost	240.987	9.903	12.958	19.486	19.529	16.231	17.584	19.702	19.959	Continuing	Continuin
RDT&E Articles Qty											0

(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

- A. (U) 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, while 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 and bi-static active capability; integrated active and passive operations; improved Battle Group support; and improved information processing.
- (U) 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 into the IUSS Common Processing architecture. The IUSS Common Processor is a derivitive 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 IUSS Common Processor support the Active Improvement Program being initiated by PEO LMW PMS 485.
- (U) Functional improvements are delivered to the Fleet in software "Builds", while hardware improvements are delivered through the "Tech Insertion" process. Software builds are based upon 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 "Tech Insertion" process, modelled 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. (U) PEO LMW is involved with the development and maintenance of various IUSS systems. These systems include FDS, FDS-C, SDS, SURTASS, and ADS. The near-term goal is to develop a single IUSS processor baseline, with minor maintenance efforts continuing on fielded systems. The existing system architecture, signal processing, contact management, and reporting requirements will be evaluated as well as the requirements for future systems. The development of the IUSS processor will take advantage of automation advancement, array technology improvements, and 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.

R-1 SHOPPING LIST - Item No.

1/3

CLASSIFICATION:

		DATE:	
		February 2005	
PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND N	IAME	
0204311N-Integrated Surveillance Systems	0766: IUSS Detection and Classification System		

(U) B. Accomplishments/Planned Program

	FY 04	FY 05	FY 06	FY 07
T-23 Development Testing	1.073	0.000	0.000	0.000
RDT&E Articles Quantity				

FY04: T-23 DT (\$1.073K) — Complete certification testing. Correct software issues uncovered during testing in preparation for operations.

	FY04	FY05	FY06	FY 07
Common Acoustic Processor	2.000	0.000	0.000	0.000
RDT&E Articles Quantity				

FY04: Common Acoustic Processor (\$2,000K) – Complete software development for Twin-Line processing in the ARCI architecture. Transition Common Acoustic Processor to MSS Active Improvement Program.

	FY04	FY05	FY06	FY 07
Active Acoustics	0.659	0.000	0.000	0.000
RDT&E Articles Quantity				

FY04: Active Acoustics (\$659K) - Continue implementation of a multi-year sea test program focused on CONOPS and the physics of shallow water. Continue development of improvements for LFA operations in shallow water. Continue sea test program to support system improvements and demonstrate/validate operational concepts. Transition Active Acoutics efforts to MSS Active Improvement Program.

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification			DATE:	
			February 2005	
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND N	NAME	
RDT&E, N / BA 7	0204311N-Integrated Surveillance Systems	0766: IUSS Detection and Classification System		

(U) B. Accomplishments/Planned Program

	FY 04	FY 05	FY 06	FY 07
LFA Environmental	0.000	0.000	0.000	0.000
RDT&E Articles Quantity				

No Activity--Funding transferred to ONR beginning in FY04.

	FY 04	FY 05	FY 06	FY 07
N74 ASW Study	0.700	0.700	0.700	0.700
RDT&E Articles Quantity				

FY04: N74 ASW Study (\$700K) – Continue conducting trade-off and mission studies to explore networked ASW system concepts, investment alternatives and development of a community-wide strategy for common performance models.

FY05: N74 ASW Study (\$700K) – Continue conducting trade-off and mission studies to explore networked ASW system concepts, investment alternatives and development of a community-wide strategy for common performance models.

FY06: N74 ASW Study (\$700K) – Continue conducting trade-off and mission studies to explore networked ASW system concepts, investment alternatives and development of a community-wide strategy for common performance models.

FY07: N74 ASW Study (\$700K) – Continue conducting trade-off and mission studies to explore networked ASW system concepts, investment alternatives and development of a community-wide strategy for common performance models.

	FY 04	FY 05	FY 06	FY 07
ASW C4I	0.125	0.000	0.000	0.000
RDT&E Articles Quantity				

FY04: ASWC4I (\$125K) – Continue performing engineering, analysis and trade-offs; conduct proof of concept testing to support IUSS integration into the Navy's C4I architecture, including IT-21 implementation. Transition ASW C4I to MSS Active Improvement Program.

R-1 SHOPPING LIST - Item No.

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EXHIBIT R-2a, RDT&E Project Justification			DATE:	
			February 2005	
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND N	AME	
RDT&E, N / BA 7	0204311N-Integrated Surveillance Systems	766: IUSS Detection and	Classification System	

(U) B. Accomplishments/Planned Program

	FY 04	FY 05	FY 06	FY 07
System Engineering	0.125	0.000	0.000	0.000
RDT&E Articles Quantity				

FY04: IUSS System Engineering (\$125K) – Continue to provide system level engineering across IUSS programs. Translate Fleet requests into system level design solutions for IUSS Common Processor. Transition System Engineering to MSS Active Improvement Program.

	FY 04	FY 05	FY 06	FY 07
Passive Processing & Automation	1.095	0.000	0.000	0.000
RDT&E Articles Quantity				

FY04: (\$1,095K) – Continue development of algorithms and software for signal processing and automation associated with unique SURTASS requirements and environments. Participation in SDWG and related working groups. Focus future efforts on SURTASS Active Improvement Program.

	FY 04	FY 05	FY 06	FY 07
SURTASS System Eng & Shore Support	1.000	0.000	0.000	0.000
RDT&E Articles Quantity				

FY04: (\$1,000K) Complete development of SURTASS ARCI interfaces with IUSS legacy systems. Complete implementation of Common OMI.

CLASSIFICATION:

UNCLASSIFIED

EXHIBIT R-2a, RDT&E Project Justification			DATE:
			February 2005
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND N	ÎAME
RDT&E, N /BA 7	0204311N-Integrated Surveillance Systems	0766: IUSS Detection and	Classification System

(U) B. Accomplishments/Planned Program

	FY 04	FY 05	FY 06	FY 07
TB-29A/Twin-Line	1.740	1.500	0.000	0.000
RDT&E Articles Quantity				

FY04: (\$1,740K) Continue processing improvements to support TB-29A operations and expand array interoperability. Develop across platform telemetry architecture. Continue development of Twin-Line modifications to basic TB-29A architecture.

FY05: (\$1,500K) Complete processing improvements to support TB-29A operations and expand array interoperability.

	FY 04	FY 05	FY 06	FY 07
SURTASS Active Improvement Program	1.386	10.758	18.786	18.829
RDT&E Articles Quantity				

FY04: (\$1,386K) Initiate design of Compact Low Frequency Active (CLFA) array suspension and handling system. Investigate compatible CLFA acoustic source variants.

FY05: (\$10,758) Continue development of CLFA capability. Begin transmit subsystem development and Small Waterplane Area Twin Hull-Passive (SWATH-P) SOC modifications. Begin active IUSS Common Processor development.

FY06: (\$18,786) Continue development of CLFA capability. Complete SWATH-P SOC modification designs and convert first SWATH-P platform to support CLFA system. Continue active IUSS Common Processor development. Begin Sea Test Planning and DT/OT preparations for Active Improvement Program (LFA/TL-29A/IUSS Common Processor). Begin development of Off-Board Sensor capabilities.

FY07: (\$18,829) Continue development of CLFA capability. Continue active IUSS Common Processor development to support bi-static processing and fixed sensor activation. Conduct DT/OT for Active Improvement Program (LFA/TL-29A/IUSS Common Processor). Continue development of Off-Board Sensor capabilities.

	FY 04	FY 05	FY 06	FY 07
	0.000	0.000	0.000	0.000
RDT&E Articles Quantity				

No	Activity.	

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CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification						DATE:	February 2005			
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEM	MENT NUMBER	AND NAME		PROJECT NUMBER A	ND NAME				
RDT&E, N / BA-7	0204311N-Integra	ated Surveillance	Systems		0766: IUSS Detection and Classification System					
(U) C. PROGRAM CHANGE SUMMARY:										
(U) Funding:		FY 2004	FY 2005	FY 2006	FY 2007					
FY05 President's Budget		9.903	13.138	14.060	16.309					
FY06/07 President's Budget		9.903	12.958	19.486	19.529					
Total Adjustments	·	0.000	-0.180	5.426	3.220					
Summary of Adjustments										
Congressional Undistributed A	djustments		-0.177							
Programmatic/Other Adjustme			-0.003	5.426	3.220					
Subtotal	-	0.000	-0.180	5.426	3.220					
(U) Schedule:										
Not Applicable.										
(U) Technical:										
Not Applicable										

CLASSIFICATION:

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n Processor Static Variant
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CLASSIFICATION:

								DATE:						
Exhibit R-3 Cost Analysis (pag									F	February 2	2005			
APPROPRIATION/BUDGET ACTIV	ITY	PROGRAM E				PROJECT NUI								
RDT&E, N / BA-7			egrated Surveill	0766: IUSS Detection and Classification System										
Cost Categories		Performing	Total	51.01	FY 04	57/05	FY 05	5) (0.0	FY 06	5) (0.5	FY 07			
	Method & Type	Activity & Location	PY s Cost	FY 04 Cost	Award Date	FY 05 Cost	Award Date	FY 06 Cost	Award Date	FY 07 Cost	Award Date	Cost to Complete	Total Cost	Target Value of Contract
USS Common Architecture		GDAIS/LM/ARL	38.998	2.689	11/03	0.000	Date	0.000	Date	0.000	Date	0.000	41.687	OI COIIIIACI
Environmental Research	+	ONR / VARIOUS	8.500	0.000	11/05	0.000		0.000		0.000		0.000	8.500	
Active Improvements/T-23 DT-OT	+	BAE /GDAIS/ VARIOUS	86.685	1.612	11/03	8.558	11/04	14.086	11/05	13.629	11/06		Continuing	
C4I Integration	CPFF	VARIOUS	31.693	0.075	11/03	0.000	11,01	0.000	, 00	0.000	11,700	0.000	31.768	
N74 ASW Study	WX/PD	NUWC / APL	2.841	1.023	11/03	0.700	11/04	0.700	11/05	0.700	11/06		Continuing	
/arious	WX	VARIOUS	47.169	0.000		0.000	, .	0.000	,	0.000		0.000		
Passive Signal Processing/ Sonar	CPFF	APL/GDAIS	1.707	0.495	11/03	0.000		0.000		0.000		0.000	2.202	
Array Improvements	CPFF/WR	APL/SSC/VAR	1.650	0.880	11/03	0.500	11/04	0.000		0.000		0.000	3.030	
													0.000	
													0.000	
													0.000	
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													0.000	
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													0.000	
													0.000	
													0.000	
			219.243	6.774		9.758		14.786		14.329		Continuing	Continuing	

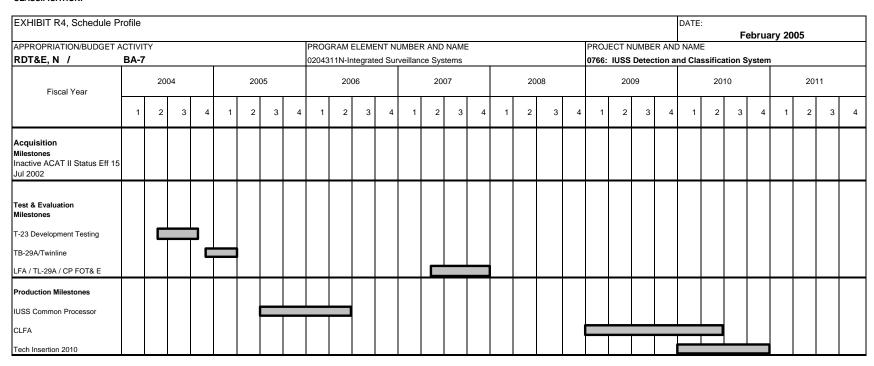
CLASSIFICATION:

Exhibit R-3 Cost Analysis (pa APPROPRIATION/BUDGET ACTI	VITY		PROGRAM ELEMEN	NT			PROJECT NUI	MBER AND I	NAME		oruary 200				
RDT&E, N / BA-7			0204311N-Integrated		ance Systems		0766: IUSS Detection and Classification System								
Cost Categories	Contract Method & Type	Activity &	P	otal Y s Cost	FY 04 Cost	FY 04 Award Date	FY 05 Cost	FY 05 Award Date	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	Cost to Complete	Total Cost	Target Valu
USS Common Architecture	WX	Various		1.150	0.150	11/03	0.000	11/04	0.000		0.000		0.000	1.300	
FA Improvements /Active Acoustic	CPFF	NGC/Various		4.505	0.400	11/03	0.600	11/04	0.800	11/05	0.800	11/06	Continuing	Continuing	
C4ISR Integration	CPPF	NGC/Various		1.769	0.050	11/03	0.000	11/04	0.000		0.000		0.000	1.819	
Passive Signal Processing/ Sonar	Var/WX	Various		0.500	0.100	11/03	0.000	11/04	0.000		0.000		0.000	0.600	
Array Improvements	Var/WX	Various		0.300	0.320	11/03	0.200	11/04	0.000		0.000		0.000	0.820	
/arious	Var/WX	Various		1.216	0.000	11/03	0.000	11/04	0.000		0.000		Continuing	Continuing	
														0.000	
														0.000	
														0.000	
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				9.440	1.020		0.800		0.800		0.800		Continuing	Continuing	

CLASSIFICATION:

								DATE:						
Exhibit R-3 Cost Analysis (pa										February 200	5			
APPROPRIATION/BUDGET ACTIV	TTY		PROGRAM ELEMENT			PROJECT NUM								
RDT&E, N / BA-7			0204311N-Integrated Surveilla	ince Systems		0766: IUSS De		Classification :				•		
Cost Categories	Contract Method	Performing Activity &	Total PY s	FY 04	FY 04 Award	FY 05	FY 05 Award	FY 06	FY 06 Award	FY 07	FY 07 Award	Cost to		Target Value
	& Type	Location	Cost	Cost	Date	Cost	Date	Cost	Date	Cost	Date	Complete	Cost	of Contract
IUSS Common Architecture		VARIOUS	1.551	0.286	11/03	0.000		0.000		0.000		0.000	1.837	
LFA Improvements			7.366	0.653	11/03	1.200	11/04	3.500	11/05	4.000	11/06		Continuing	
Passive Signal Processing/ Sonar		VARIOUS	0.950	0.350	11/03	0.000		0.000		0.000		0.000	1.300	
Array Improvements	Var/ WX	VARIOUS	0.250	0.340	11/03	0.600	11/04	0.000		0.000		0.000	1.190	
													0.000	
						1							0.000	
Subtotal T&E			10.117	1.629		1.800		3.500		4.000		Continuing	Continuing	
LFA Improvements /C4ISR Passive Signal Processing/ Sonar	_	VARIOUS VARIOUS	1.887 0.100	0.130 0.150	11/03 11/03	0.400	11/04	0.400 0.000	11/05	0.400 0.000	11/06	Continuing 0.000	Continuing 0.250	
Array Improvements		VARIOUS	0.200	0.200	11/03	0.200	11/04	0.000		0.000		0.000	0.600	
			,,,,,,		,	3.200	.,,,,,	3.333		5.000		0.000	0.000	
													0.000	
													0.000	
Subtotal Management			2.187	0.480		0.600		0.400		0.400		Continuing	Continuing	
Remarks:														
Total Cost			#REF!	#REF!		#REF!		#REF!		#REF!		Continuing	Continuing	
Remarks:	•											,	,	

CLASSIFICATION:



^{*} Not required for Budget Activities 1, 2, 3, and 6
FOT & E: Follow-on Test and Evaluation

CLASSIFICATION:

Exhibit R-4a, Schedule Detail						DATE:					
							February 2005				
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMEN	Ī			PROJECT NUMBER A	ND NAME	· · · · · · · · · · · · · · · · · · ·				
RDT&E, N / BA-7	0204311N-Integrated	Surveillance Systems			X0766: IUSS Detection and Classification System						
Schedule Profile	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011			
T-23 Developmental Testing Shakedown	2Q	112000	1 1 2000	1 1 2007	1 1 2000	1 1 2000	112010	112011			
T-23 Developmental Testing Shakedown T-23 Developmental Evaluation	3Q										
T-23 System Training	3Q										
T-23 System Ops	40										
TB29A TL Developmental Test Shakedown	4Q										
TB29A TL Developmental Evaluation		1Q									
TB29A TL System Ops		1Q									
FOT & E (TB29A TL / Common Processor /	LFA)			2Q							
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CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification								DATE:			
-									Febru	uary 2005	
APPROPRIATION/BUDGET ACTIVITY		PROGRAM EI	EMENT NUME	BER AND NAM	1E	PROJECT NU	MBER AND N	AME			
RDT&E, N / BA 7	0204311N-Inte	grated Surveill	ance Systems			9622: Fibero	otic Fixed Sur	veillance Syst	em		
	Prior										Total
COST (\$ in Millions)	Years Cost	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Cost to Complete	Program
Project Cost	0.000	0.000	3.262	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.262
RDT&E Articles Qty											0

(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

A. (U) IUSS provides the Navy with its primary means of submarine detection both nuclear and diesel. The program has undergone a major transition from emphasis on maintaining a large dispersed surveillance force keyed to detection and tracking of submarines to a much smaller force that is effective against modern diesel and nuclear submarines in regional/littoral or broad ocean areas of interest. This transition preserves the ability to continue open ocean surveillance. These systems include FDS, FDS-C, SDS, SURTASS, and ADS. This effort supports continued development of an All-Optical fixed surveillance system.

CLASSIFICATION:

			DATE: February 2005				
PPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUM	IBER AND NAME	PROJECT NUMBER AND N	ruary 2005			
DT&E, N / BA 7	0204311N-Integrated Surve		9622: Fiberoptic Fixed Su				
l) B. Accomplishments/Planned Program			,				
	FY 04	FY 05	FY 06	FY 07	\neg		
Fiber Optic FSS Technology Development	0.000	3.262	0.000	0.000			
RDT&E Articles Quantity	0.000	3.202	0.000	0.000			
evaluate the prototype in an operational environem							
	FY 04	FY 05	FY 06	FY 07			
Accomplishments/Effort/Subtotal Cost RDT&E Articles Quantity	FY 04	FY 05	FY 06	FY 07			
	FY 04	FY 05	FY 06	FY 07			
	FY 04	FY 05	FY 06	FY 07			

R-1 SHOPPING LIST - Item No.

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CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification						DATE:	
APPROPRIATION/BUDGET ACTIVITY	PROGRAM F	LEMENT NUMBER	AND NAME		PROJECT NUMBER A	ND NAME	February 2005
RDT&E, N / BA-7		0204311N-Integrated Surveillance Systems			9622: Fiberoptic Fixe		n
	020401114111	020401114-Integrated ourveinance dystems				d our vemanoe oyster	
C. PROGRAM CHANGE SUMMARY:							
Funding:		FY 2004	FY 2005	FY 2006	FY 2007		
FY05 President's Budget		0.000	0.000	0.000	0.000		
FY06/07 President's Budget		0.000	3.262	0.000	0.000		
Total Adjustments		0.000	3.262	0.000	0.000		
Summary of Adjustments							
Other Adjustments			3.300				
Congressional Undistributed Ac	djustments		-0.038				
Subtotal		0.000	3.262	0.000	0.000		
(U) Schedule:							
Not applicable							
Technical:							
Not applicable							
			INCLIST I		170		

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Proj								DATE:	Febru	ıary 2005	
PPROPRIATION/BUDGET ACT	PROGRAM E	PROGRAM ELEMENT NUMBER AND NAME				IMBER AND N					
RDT&E, N /	BA-7	0204311N-Int	egrated Survei	llance Systems	3	9622: Fibero	ptic Fixed Sur	veillance Sys	tem		
D. OTHER PROGRAM FU									То	Total	
Line Item No. & Name		FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	<u>Complete</u>	Cost
NONE											
Related RDTEN: (U) PE 0604784N	Advanced Deployable System	32.876	17.416	54.256	57.974	34.022	35.145	40.357	21.513	Continuing	Continuin
E. ACQUISITION STRATEG	Υ:										
Program Milestones Engineering Milestones T&E Milestones Contract Milestones											
F. MAJOR PERFORMERS: 7	**										