CLASSIFICATION:

EXHIBIT R-2, RDT&E Budget Item Justification							DATE:	
-							Februa	ary 2003
APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NOME	NCLATURE	•	
RESEARCH DEVELOPMENT TEST & EVALUATI	ON, NAVY /	BA-5			0604574N / NAV	Y TACTICAL COM	PUTER RESOURC	ES
COST (\$ in Millions)	FY 2002	FY 2003	FY 2003 FY 2004		FY 2006	FY 2007	FY 2008	FY 2009
Total PE Cost	38.596	15.803	2.267	2.456	2.548	3.060	3.107	3.157
21353 Standard Hardware	2.710	12.894	2.267	2.456	2.548	3.060	3.107	3.157
29074 AN/UYQ-70 SUB Common Elect Equip Replace	6.543							
20975 AN/UYQ-70 Tactical Computer Resources	19.186							
29076 Multi-Level Security For Network-Centric AN/UY	3.344	2.909						
29077/Complementary High Energy Laser ***	6.813							

Defense Emergency Resonpses funds (DERF): Not applicable.

A. Mission Description and Budget Item Justification: Perform the system engineering necessary to verify Commercial-off-the-Shelf/Open System Architecture (COTS/OSA) technologies and products as suitable for introduction into the AN/UYQ-70(V) Advanced Display System product line. Develop small and inexpensive inertial measurement system that will provide precision pointing control and instrumentation for a variety of Acquisition Tracking and Pointing (ATP) system applications with primary emphasis on laser weapons. Systems engineering to develop the requirements and specifications for laser targeting power and timing as part of the laser designation and weapon system. System engineering and analysis for the operational utilization concept and the complementary operational effectiveness of the combined laser system components with the defensive missile system and combat system. Systems engineering and analysis of Laser material interaction and Lethality.

R-1 SHOPPING LIST - Item No.

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Exhibit R-2, RDTEN Budget Item Justification (Exhibit R-2, page 1 of 16)

^{***}Transferred to PE 0603582n (Battleforce Interoperability)

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification							DATE:	
							Februa	ary 2003
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEM	ENT NUMBER AN	D NAME	PROJECT NUMB	ER AND NAME; 21	353/Standard Hard	ware, 29074/SUB	Common Elect Equi
RDT&E, N / BA-5	0604574N / NAVY	TACTICAL COMP	UTER RESOURC	E 29075/Tactical Co	omputer Resources	, 29076/Multi-Leve	I Security	
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
Project Cost	31.783	15.803	2.267	2.456	2.548	3.060	3.107	3.157
RDT&E Articles Qty								

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

A. Mission Description and Budget Item Justification: Perform the system engineering necessary to verify Commercial-off-the-Shelf/Open System Architecture (COTS/OSA) technologies and products as suitable for introduction into the AN/UYQ-70(V) Advanced Display System product line. Develop small and inexpensive inertial measurement system that will provide precision pointing control and instrumentation for a variety of Acquisition Tracking and Pointing (ATP) system applications with primary emphasis on laser weapons. Systems engineering to develop the requirements and specifications for laser targeting power and timing as part of the laser designation and weapon system. System engineering and analysis for the operational utilization concept and the complementary operational effectiveness of the combined laser system components with the defensive missile system and combat system. Systems engineering and analysis of Laser material interaction and Lethality.

R-1 SHOPPING LIST - Item No.

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CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justificat	ion			DATE: February 2003							
PROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUM	BER AND NAME	PROJECT NUMBER AND	NAME; 21353/Standard Hardware	, 29074/SUB Common E						
T&E, N / BA-5	0604574N/Navy Tactical Cor	nputer	Equip, 29075/Tactical Cor	Equip, 29075/Tactical Computer Resources, 29076/Multi-Level Security							
Accomplishments/Planned Program											
	FY 02	FY 03	FY 04	FY 05							
Accomplishments/Effort/Subtotal Cost	0.956	4.532	0.796	0.863							
RDT&E Articles Quantity											
Annual laborate (Effect (Cultotal Cont	FY 02	FY 03	FY 04	FY 05							
Accomplishments/Effort/Subtotal Cost	FY 02 0.725	FY 03 3.250	FY 04 0.572	FY 05 0.619							
RDT&E Articles Quantity	0.725	3.250	0.572								
	0.725	3.250 ocessor needs in the fu	0.572								
RDT&E Articles Quantity Continue to adapt these technologies and produced in the second pr	0.725	3.250 ocessor needs in the fu	0.572 ture.								
RDT&E Articles Quantity	0.725	3.250 ocessor needs in the fu	0.572 ture.	0.619							

R-1 SHOPPING LIST - Item No.

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CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification			DATE:
			February 2003
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND N	NAME; 21353/Standard Hardware, 29074/SUB Common Elect
RDT&E, N / BA-5	0604574N/Navy Tactical Computer	Equip, 29075/Tactical Com	puter Resources, 29076/Multi-Level Security

B. Accomplishments/Planned Program

	FY 02	FY 03	FY 04	FY 05
Accomplishments/Effort/Subtotal Cost	6.543	0.000	0.000	0.000
RDT&E Articles Quantity				

FY 2002 Accomplishments: Continued development and qualifications of two new air-cooled AN/UYQ-70 variants, an auxiliary components enclosure (ACE) and auxiliary components display (ACED). Performed systems integrating activities in support of (ACE) and (ACED).

	FY 02	FY 03	FY 04	FY 05
Accomplishments/Effort/Subtotal Cost	19.186	0.000	0.000	0.000
RDT&E Articles Quantity				

Continued development and engineering support of the Secure Voice System (SVS) Advanced Development Models (ADM) and First Production Units (FPU) for the AN/UYQ-70 Program.

	FY 02	FY 03	FY 04	FY 05
Accomplishments/Effort/Subtotal Cost	3.344	2.909	0.000	0.000
RDT&E Articles Quantity				

FY 2002 Accomplishments: Continued development of a stateless, ultra thin client network solution that provides data separation and privacy over the network via NSA certified solution that supports secure voice, video, and data requirements of the war fighter.

FY 2003 Plan: Continue development of a stateless, ultra thin client network solution that provides data separation and privacy over the network via NSA certified solution that supports secure voice, video, and data requirements of the war fighter.

R-1 SHOPPING LIST - Item No.

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CLASSIFICATION:

					February 2003
ROPRIATION/BUDGET ACTIVITY PRO	GRAM ELEMENT NUMBER	AND NAME		PROJECT NUMBER A	AND NAME; 21353/Standard Hardware, 29074/SUB Common E
T&E, N / BA-5	4574N / NAVY TACTICAL CO	MPUTER RES	OURCES	Equip, 29075/Tactical	Computer Resources, 29076/Multi-Level Security
C. PROGRAM CHANGE SUMMARY:					
Funding:	FY 2002	FY 2003	FY 2004	FY 2005	
Previous President's Budget: (FY 03 Pres Controls)	33.749	2.185	2.948	2.996	
Current BES/President's Budget (FY04/05 OSD/OMB C	ontrols) 31.783	15.803	2.267	2.456	
Total Adjustments	-1.966	13.618	-0.681	-0.540	
Summary of Adjustments					
Program Offsets	-0.164	0.000	-0.281	-0.050	
SBIR	-0.720	0.000	0.000	0.000	
Miscellaneous Pricing Adjustments	-1.082	-0.120	0.000	0.000	
Business Reform	0.000	-0.065	0.000	0.000	
Post Production R&D Continuation	0.000	0.000	-0.346	-0.433	
AN/UYQ-70(V) System Technology Insertion	0.000	11.000	0.000	0.000	
Multi-level Security for Network	0.000	2.975	0.000	0.000	
Inflation Adjustment	0.000	-0.172	-0.054	-0.057	
Subtotal	-1.966	13.618	-0.681	-0.540	
N/A					
Technical:					
N/A					

R-1 SHOPPING LIST - Item No. 121

Exhibit R-2a, RDTEN Project Justification

(Exhibit R-2a, Page 5 of 16)

CLASSIFICATION:

XHIBIT R-2a, RDT&I	E Project Justification								DATE:		
										Februa	ary 2003
PPROPRIATION/BUDGE	T ACTIVITY		PROGRAM EL	EMENT NUME	BER AND NAM	E	PROJECT NUM	MBER AND N	AME; 21353/St	andard Hardwar	e, 29074/SUB Common E
RDT&E, N /	BA-5		0604574N / NA	AVY TACTICAL	COMPUTER	RESOURCES	Equip, 29075/	Tactical Comp	outer Resources	s, 29076/Multi-Le	evel Security
D. OTHER PROGR	AM FUNDING SUMMARY:										
										То	Total
Line Item No. & N	<u>ame</u>	FY 2002	<u>FY 2003</u>	<u>FY 2004</u>	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	<u>Complete</u>	<u>Cost</u>
Other Program Fun Related R	•										
PE 0603382N	(ADV COMBAT SYS TECHNOLC	3.111	3.276	3.394	3.346	1.918	0.981	0.985	0.999		
PE 0603502N	(SHALLOW WATER MCM)	137.208	148.356	140.731	101.076	91.843	92.314	82.709	92.37		
PE 0604518N	(COOPERATIVE ENGAGE)	5.07	0	21.244	16.489	15.328	13.061	12.943	0		
PE 0604307N	(AEGIS WEAPON SYS MODS)	320.187	340.426	205.733	208.048	217.746	217.286	230.8	206.056		
PE 0604366N	(STD MSL IMP)	13.574	20.819	76.927	100.633	189.229	191.916	213.595	207.216		
PE 0604755N	(SHIP SELF DEFENSE)	62.141	60.598	40.93	25.633	8.01	18.475	11.781	0		
PE 0604503N	SSN-688/TRIDENT MOD	60.203	92.153	66.519	31.936	29.125	45.491	52.677	53.367		
PE 0604561N	SSN-21 DEVELOPMENT	5.448	16.353	13.482	3.057	3.093	3.726	3.078	3.135		
PE 0604562N	SUB TACT WARFARE SYS	37.209	25.089	32.238	35.67	40.631	54.696	56.482	57.436		
DE 0000500N	(SHALLOW WATER MCM)	137.208	148.356	140.731	101.076	91.843	92.314	82.709	92.37		

F. MAJOR PERFORMERS: **

N/A

^{*} Not required for Budget Activities 1,2,3, and 6
** Required for DON and OSD submit only.

CLASSIFICATION:

Exhibit R-3 Cost Analysis (pag	70.1)								DATE:		February 200	2	
APPROPRIATION/BUDGET ACTIV			PROGRAM EL	EMENIT			IDRO IECT NI	JMBER AND N	JAME		rebluary 200	3	
RDT&E, N / BA-5	111		0604574N / NA		I COMPUTER	RESOURCE							
Cost Categories	Contract	Performing		Total		FY 03	OZ 1000 / Otalik	FY 04		FY 05			
· ·	Method	Activity &			FY 03	Award	FY 04	Award	FY 05	Award			Target Value
	& Type	Location			Cost	Date	Cost	Date	Cost	Date	Complete		of Contract
Primary Hardware Development	Various	Various		195.5								195.500	
Ancillary Hardware Development	Various	Various		0.65								0.650	
Component Development												0.000	
Ship Integration												0.000	
Ship Suitability												0.000	
Systems Engineering	Various	Various		63.435	11.304		1.407		1.525			77.671	
Training Development				1.000								1.000	
Licenses				1.000								1.000	
Tooling												0.000	
GFE												0.000	
Award Fees												0.000	
Subtotal Product Development				261.585	11.304	1	1.407	,	1.525	5	0.000	275.821	
Development Support												0.000	
Software Development	Various	Various		39.109								39.109	
Training Development				1.375								1.375	
Integrated Logistics Support				2.172								2.172	
Configuration Management				0.700								0.700	
Technical Data				1.138								1.138	
GFE												0.000	
Award Fees												0.000	
Subtotal Support				44.494	0.000)	0.000		0.000		0.000	44.494	1
Remarks:													

CLASSIFICATION:

									DATE:				
Exhibit R-3 Cost Analysis (pag	ge 2)										February 200	03	
APPROPRIATION/BUDGET ACTIV	TTY TTY		PROGRAM E	LEMENT			PROJECT NU	JMBER AND	NAME		-		
RDT&E, N / BA-5			0604574N / N	IAVY TACTICA	AL COMPUTER	RESOURCE	S 21353 / Stand)				
Cost Categories	Contract Method & Type	Performing Activity & Location		Total PY s Cost	FY 03 Cost	FY 03 Award Date	FY 04 Cost	FY 04 Award Date	FY 05 Cost	FY 05 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	Various	Various		24.535			0.440		0.479		Continuing	Continuing	
Operational Test & Evaluation	Various	Various		16.888			0.420		0.452		Continuing	Continuing	
Live Fire Test & Evaluation												0.000	
Test Assets												0.000	
Tooling												0.000	
GFE												0.000	
Award Fees												0.000	
Subtotal T&E				41.423	1.590)	0.860)	0.93	1	0.000	44.804	
		_			T		1			T		T	 -
Contractor Engineering Support												0.000	
Government Engineering Support												0.000	
Program Management Support												0.000	
Travel												0.000	1
Labor (Research Personnel)												0.000	
SBIR Assessment												0.000	1
Subtotal Management				0.000	0.000)	0.000)	0.000)	0.000	0.000	
Remarks:													
Total Cost				347.502	12.894	1	2.267	,	2.456	6	0.000	365.119	
Remarks:													

CLASSIFICATION:

EXHIBIT R4, Schedule	Profile)																							DATE		F	ebrua	ary 20	003		
APPROPRIATION/BUDGE RDT&E, N /	T ACTIV													R AND			DURCI	≣S			PROJ Eq., 2						dard Ha	ardwar	e, 2907	74/SUE		mon El
Fiscal Year		2	002			20	03			20				200				200	06			20					800			20		
	1	2	2 3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Acquisition Milestones			MS II									1	мs с															IOC	FRF	Dec	First [Deploy
Prototype Phase																																
Radar System Development	SDR	A		PDR	7	CDR						PRR	\								FCA		PCA									
EDM Radar Delivery										Lab 1	\bigwedge_2	Flt F	el 	<u></u>	<u></u>	<u></u>																
Software 1XXSW Delivery 2XXSW Delivery				SSR																												
Test & Evaluation Milestones									TRR		DT-	-IIA		DT-	IIB1		DT-	IIB2		DT-II	С	TEC	HEVA	L								
Development Test Operational Test														OT-IIA						OT-IIE	3							OT-II	C OPE	VAL		
Production Milestones LRIP I FY 05													Λι	RIP I S	Start																	
LRIPII FY 06 FRP FY 07																	LI	RIP II S	Start												FRP S	\$tart
Deliveries																						+	LRIP I	(20)		 	LRIP	II (30)			Lot 24	

^{*} Not required for Budget Activities 1, 2, 3, and 6

CLASSIFICATION:

Exhibit R-4a, Schedule Detail						DATE:		••
A DDD ODD IATION (DUDOET A OTIVITY)	Inno Lucio A	February 2003 NAME: 21353 / St. Hdw, 29074/SUB Com Ele						
APPROPRIATION/BUDGET ACTIVITY	PROGRAM EI						•	
RDT&BA-05	PE0604574 / I	NAVY TACTICA	AL COMPUTER	Eq. , 29075 Ta	actical Comp R	es, 29076/Mult	-Level Securit	
Schedule Profile	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
Prototype Phase	1Q-3Q							
System Design Review (SDR)	2Q							
Milestone II (MSII)	3Q							
Contract Preparation	3Q							
Software Specification Review (SSR)	4Q							
Preliminary Design Review (PDR)	4Q							
System Development		1Q-2Q						
Critical Design Review (CDR)		2Q						
Quality Design and Build		3Q-4Q	1Q-4Q					
Test Readiness Review (TRR)			1Q					
Developmental Testing (DT-IIA)			3Q-4Q	1Q				
Eng Dev Model (EDM) Radar Delivery - Lab			2Q-3Q					
Software Delivery 1XXSW			2Q-4Q	1Q				
Preproduction Readiness Review (PRR)			4Q					
EDM Radar Delivery - Flt Related			4Q	1Q-4Q				
Milestone C (MS C)				1Q				
Operational Testing (OT-IIA)				1Q				
Start Low-Rate Initial Production I (LRIP I)				2Q				
Software Delivery 2XXSW				1Q-4Q				
Developmental Testing (DT-IIB1)				1Q-4Q				
Developmental Testing (DT-IIB2)				4Q	1Q-3Q			
Start Low-Rate Initial Production II					1Q			
Operational Testing (OT-IIB)					3Q	1Q-2Q		
Developmental Testing (DT-IIC)					4Q	1Q-2Q		
Functional Configuration Audit (FCA)						1Q		
Low-Rate Initial Production I Delivery						2Q-4Q	1Q-2Q	
Technical Evaluation (TECHEVAL)						2Q-3Q		
Physical Configuration Audit						3Q		
Operational Evaluation (OT-IIC) (OPEVAL)							2Q-3Q	
Low-Rate Initail Production II Delivery							2Q-4Q	1Q-2Q
IOC								1Q
Full Rate Production (FRP) Decision								2Q
Full Rate Production Start								2Q
First Deployment								4Q

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justificati	on			DATE: February 2003	
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMI	BER AND NAME	PROJECT NUMBER AND		
RDT&E, N / BA-5	0604574N / NAVY TACTICAL	L COMPUTER RESOURCE	29077/ Complementary Hig	h Energy Laser	
B. Accomplishments/Planned Program					
A	FY 02	FY 03	FY 04	FY 05	
Accomplishments/Effort/Subtotal Cost RDT&E Articles Quantity	6.813	0.000	0.000	0.000	
HIGH ENERGY LASER DEVELOPMENT FY 2002 Accomplishments: Developed small a Tracking and Pointing (ATP) system application power and timing as part of the laser designatio effectiveness of the combined laser system con and Lethality. FY 03 TRANSFERRED TO TO PE 0603582N (s with primary emphasis on laser w n and weapon system. System eng nponents with the defensive missile	eapons. Performed system gineering and analysis for the system and combat systen	s engineering to develop the e operational utilization cond	requirements and specifications for ept and the complementary opera	or laser targeting tional

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justifica	ation			DATE: February 2003	
PPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUME	BER AND NAME	PROJECT NUMBER AND	NAME	
DT&E, N / BA-5	0604574N/Navy Tactical Com	nputer	29077/ Complementary Hig	h Energy Laser	
3. Accomplishments/Planned Program					
	FY 02	FY 03	FY 04	FY 05	
Accomplishments/Effort/Subtotal Cost	6.813	0.000	0.000	0.000	
RDT&E Articles Quantity					
Tracking and Pointing (ATP) system application power and timing as part of the laser designate effectiveness of the combined laser system countries and Lethality.	tion and weapon system. System engi	ineering and analysis f	or the operational utilization cond	ept and the complementary or	erational
	FY 02	FY 03	FY 04	FY 05	
Accomplishments/Effort/Subtotal Cost					
RDT&E Articles Quantity					
Accomplishments/Effort/Subtotal Cost	FY 02	FY 03	FY 04	FY 05	
RDT&E Articles Quantity					

R-1 SHOPPING LIST - Item No.

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Exhibit R-2a, RDTEN Project Justification (Exhibit R-2a, page 12 of 16)

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification						DATE:	February 2003
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELE	MENT NUMBER	AND NAME	ND NAME	. 62. 44. 7 2000		
RDT&E, N / BA-5	0604574N / NAV	Y TACTICAL CO	MPUTER RES	OURCES	29077/ Complementary	High Energy Laser	
C. PROGRAM CHANGE SUMMARY:							
Funding:		FY 2002	FY 2003	FY 2004	FY 2005		
Previous President's Budget: (FY 03 Pres Cont		5.947	0.000	0.000	0.000		
Current BES/President's Budget (FY04/05 OSD	/OMB Controls)	6.813					
Total Adjustments		0.866	0.000	0.000	0.000		
Summary of Adjustments							
BTR		1.013					
SBIR/STTR Transfer		-0.118					
Misc. Adjustments		-0.029		0.000	0.000		
Subtotal		0.866	0.000	0.000	0.000		
Schedule:							
N/A							
Technical							
N/A							
					101		

CLASSIFICATION:

(HIBIT R-2A, RDT&E	Project Justification	DATE:										
		February 2003										
PROPRIATION/BUDGET	ACTIVITY		PROGRAM EL	EMENT NUMB	ER AND NAM	E	PROJECT NUM	JBER AND NA	ME			
DT&E, N /	BA-5		0604574N / NA	VY TACTICAL	. COMPUTER	RESOURCES	29077/ Comple	mentary High	Energy Laser			
D. OTHER PROGR/	AM FUNDING SUMMARY	r :										
										To	Total	
Line Item No. & Na	<u>ime</u>	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	<u>Complete</u>	Cost	
Other Program Fund	ling Summary											
Related RDT&E	ing Guillinary											
	IIP SELF DEFENSE	62.141	60.598	40.93	25.633	8.01	18.475	11.781	0			
PE 0602114N PC	WER PROJECTION APPLI											
		86.004	105.324	114.144	107.26	83.87	76.443	87.931	59.051			
PE 0603924D8Z	HIGH ENERGY LASER AD	VANCE DEVELOPM	ENT (Joint Techr	nology Office)								
		13.431	13.567	13.702	13.908	14.13	14.37	14.615	14.878			
PE 0602890D8Z	HIGH ENERGY LASER DEV	√ELOPMENT (Joint T	echnology Office	a)								
		44.856	45.31	45.763	46.449	47.192	47.995	48.81	49.689			
PE 0601108D8Z F	HIGH ENERGY LASER INITI	IATIVE (Joint Techno	logy Office)									
		11.961	12.082	12.202	12.385	12.584	12.797	13.015	13.249			
PE 0603582N CO	MBAT SYSTEM INTEGRAT											
		63.904	57.048	86.836	48.439	49.889	57.362	46.523	34.662			

F. MAJOR PERFORMERS: **

N/A

^{*} Not required for Budget Activities 1,2,3, and 6
** Required for DON and OSD submit only.

CLASSIFICATION:

										DATE:						
Exhibit R-3 Cost Analysis (page 1)											February 20	003				
APPROPRIATION/BUDGET ACTIV	PROGRAM I	ELEMENT			PROJECT NUMBER AND NAME											
RDT&E, N / BA-5			0604574N N	avy Tactical Co	mputer		29077/ Cd	29077/ Complementary High Energy Laser								
Cost Categories	Contract Method	Performing Activity &		Total PY s	FY 03	FY 03 Award	FY 04	FY 04 Award	FY 05	FY 05 Award	Cost to	Total	Target Value			
	& Type	Location		Cost	Cost	Date	Cost	Date	Cost	Date	Complete	Cost	of Contract			
Primary Hardware Development																
Ancillary Hardware Development																
Component Development				0.724							Continuing	Continuing	Continuing			
Ship Integration													_			
Ship Suitability																
Systems Engineering				0.570							Continuing	Continuing	Continuing			
Training Development				1												
Licenses													_			
Tooling																
GFE																
Award Fees																
Subtotal Product Development				1.29	4							1.29	4			
Remarks:																
Development Support				0.265							Continuing	Continuing	Continuing			
Software Development				1.860							Continuing	Continuing	Continuing			
Training Development																
Integrated Logistics Support																
Configuration Management																
Technical Data																
GFE																
Award Fees																
Subtotal Support				2.12	:5							2.12	5			
							•	•								

Remarks: Development of manufacturability of hemispherical Optical and sensor tracker. Evaluation of generic missile model for use in evaluating High Energy Laser plus missile safe ship defense. Software model development for laser material interactions. Software development and modification of ship defense capabilities model.

CLASSIFICATION:

									DATE:				
Exhibit R-3 Cost Analysis (page											February 200	03	
APPROPRIATION/BUDGET ACTIV	/ITY		PROGRAM EI				PROJECT N						
RDT&E, N / BA-5	1_	T=	0604574N/ Na		mputer	1	29077/ Comp		ligh Energy Laser		T		
Cost Categories	Contract Method & Type	Performing Activity & Location		Total PY s Cost	FY 03 Cost	FY 03 Award Date	FY 04 Cost	FY 04 Award Date	FY 05 Cost	FY 05 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	7, -			3.180								3.180	1
Operational Test & Evaluation												0.000	1
Live Fire Test & Evaluation												0.000	1
Test Assets												0.000	
Tooling												0.000	
GFE												0.000	+
Award Fees												0.000	1
Subtotal T&E				3.180	0.000)	0.00	1	0.00)	0.000	1	1
				ı		1						1	
Contractor Engineering Support												0.000	1
Government Engineering Support				0.214								0.214	1
Program Management Support												0.000	
Travel												0.000	
Labor (Research Personnel)												0.000	
SBIR Assessment												0.000	<u> </u>
Subtotal Management				0.214	0.000)	0.00	0	0.00	ס	0.000	0.214	
Remarks: Characteristic modeling samples of radome material. Miss Total Cost Remarks:					lock RF attenu	ation level o		seekers as		ethality mod		rgets.	,