	EXHIBIT R-2,	RDT&E Budget Item	Justification				DATE:					
							Februa	ry 2006				
APPROPRIATION/BUDGET ACTIVITY												
REASEARCH DEVELOPMENT TEST & EVALUATION, NAV		0204571N, CONSO	LIDATED TRAINING	SYSTEMS DEV								
COST (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011					
Total PE Cost	20.322	43.615	17.857	21.874	20.425	22.767	26.036					
0604 TRNG RANGE & INST DEV (TRID)	1.965	2.614	2.970	3.795	3.877	4.283	4.089					
1427 SURFACE TACTICAL TEAM TRAINER (STTT)	8.135	5.685	5.466	5.803	5.954	6.049	6.160					
2124 AIR WARFARE TRAINING DEVEP	1.412	1.420	1.687	1.726	1.763	1.801	1.840					
3087 TOTAL SHIP TRAINING SYSTEM (TSTS)	1.342	15.852			5.790	5.195	4.726					
3093 TACTICAL COMBAT TRAINING SYSTEM (TCTS)	7.468	16.044	7.734	10.550	3.041	5.439	9.221					
9999 Congressional Adds		2.000										

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

The Surface Tactical Team Trainer (STTT) will develop the Battle Force Tactical Training (BFTT) System to provide realistic Combat System level team training including a means to link surface ships together for coordinated Unit and Battle Group level training using Distributed Interactive Simulation (DIS). The migration of selected modules of the BFTT software to Windows NT from UNIX OS is underway. The Congressional adds initiate the development of the Distributed Shipboard Classroom which provides a capability for shipboard instructors to utilize current online multimedia training technology to improve the quality, quantity and effectiveness of mission critical, military, safety and administrative training mandated by OPNAV, TYCOM and Fleet directives. The Navigation Seamanship and Shiphandling Training (NSST) System effort develops integrated COTS based navigation and shiphandling trainers to support navigation team training in Fleet Concentration Areas, as well as developing and integrating shipboard virtual reality shiphandling trainers for use onboard surface ships. Total Ship Training System (TSTS) is a Pre-Planned Program Improvement (P3I) to the BFTT system that connects combat system, navigation/ship control, engineering/propulsion, and damage control training, simultaneously exercising all primary elements of the crew in realistic combat-like conditions. TSTS will leverage off the technical architecture of the current BFTT configuration to provide expanded support for a total ship training capability.

The Training Range and Instrumentation Development Systems (TRIDS) program provides development of may range systems including arange electronic warfare simulator, advanced weapons training systems, laser training systems, Tactical Aircrew Combat Training System (TACTS), Large Area Tracking Range (LATR), Test and Training Enabling Architecture (TENA) interoperability, combat training system improvements, and shallow water range technology.

The AWTD program provides development of many aviation training systems, including mission rehearsal simulation technologies and the Aviation Training Technology Integration Facility (ATTIF).

The Tactical Combat Training System (TCTS) will provide the Naw a replacement for the TACTS and LATR system. TCTS will also provide fleet deployable instrumentation for at sea training and tactics development. By providing a rangeless capability, the system will greatly increase the area where live instrumented training can be conducted. Initial fielding of a Non-Developmental Item (NDI) Pod system is planned at NAS Key West. The program incorporates an evolutionary development (incremental) towards a system capable of supporting a broad spectrum of naval platforms through weapons simulations, participant weapons system stimulation, open architecture, and a high capacity/long range secure datalink.

	EXHIBIT	R-2a, RDT&E	Project Justific	cation					DATE:					
APPROPRIATION/BUDGET ACTIVITY	PRIATION/BUDGET ACTIVITY PROGRAM ELEMENT NUMBER AND NAME PROJECT NUMBER AND NAME													
RDT&E, N /														
COST (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011							
0604 TRNG RANGE & INST DEV (TRID)	1.965 2.614 2.970 3.795 3.877 4.283 4.089													
RDT&E Articles Qty					·									

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

This project develops specialized instrumentation systems for fleet readiness training while minimizing life cycle costs. Tasks include development of the following: electronic warfare simulators and associated subsystems, target control systems, Tactical Aircrew Combat Training System (TACTS), Large Area Tracking Range (LATR) improvements, Test and Training Enabling Architecture (TENA) interoperability, combat training systems improvements, underwater technology, ranges interoperability and information architecture, and assorted Advanced Weapons Training Systems (AWTS), such as Imaging Weapons Training System (IWTS), Remote Strafe Scoring System (RSSS), and weapon and countermeasure simulations for use with various range training systems.

	EXHI	BIT R-2a, RDT&E Project Justification	DA ⁻	TE:
				February 2006
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NAME	E
RDT&E, N /	BA 7	0204571N, CONSOLIDATED TRAINING SYSTEMS	0604, TRNG RANGE & INST DE	EV (TRID)
			•	

B. ACCOMPLISHMENTS / PLANNED PROGRAM: Large Area Tracking Range (LATR)

	FY 2005	FY 2006	FY 2007	
Accomplishments / Effort / Sub-total Cost	1.002	1.490	1.574	
RDT&E Articles Qty				

Developed Block 4.0 software upgrade, analyzed range integration requirements, and developed hardware upgrades. Redesigned, integrated and tested modules to eliminate obsolete components on the LATR power conditioner. Completed operational test and evaluation and integration of Block 4.0 software upgrade. Complete design, integration and test of LATR Block software 5.0/5.1 baseline upgrade. Complete design, integration, and test of participant instrumentation packages (PIP) modules to address obsolescence, high failure components and to improve operability and performance. Conduct and complete vulnerability testing of the Ground System Rehost. Conduct and complete security testing and assessment for LATR system certification and accreditation for Ground System Rehost. Initiate and complete development, test and integration of software and hardware modifications to system test sets. Develop interface software using Test and Training Enabling Architecture (TENA) to increase Tactical Training Range systems interoperability with other services training instrumentation.

Combat Training Systems Development

	FY 2005	FY 2006	FY 2007	
Accomplishments / Effort / Sub-total Cost	.963	1.124	1.396	
RDT&E Articles Qty				

Developed additional training capabilities for the Control and Computational Subsystem (CCS), Personal Computer Based Joint Display Subsystem (JDS), and developed a formalized interface between the CCS and Large Area Tracking Range (LATR). Complete Semi-annual CCS Block upgrades. Complete Test Set Upgrade and system rehost. Complete formalization of CCS/LATR integration. Develop stand alone Electronic Warfare Processor (EW PROC). Enhance capability for Advanced Systems Operator Console (ASOC), Tactical Aircrew Combat Training System Communication Protocol Analyzer (TCPA) and enhanced Radar Display Subsystem (RADS).

	EXHIBIT	R-2a, RDT&E	Project Justification		DATE:
APPROPRIATION/BUDGET ACTIVITY		PROGRAM EL	EMENT NUMBER AND NAME	PROJECT NUMBER AND N	February 2006 AME
RDT&E, N /	BA 7	0204571N, CO	NSOLIDATED TRAINING SYSTEMS	0604, TRNG RANGE & INS	DEV (TRID)
				•	·
C. PROGRAM CHANGE SUMMARY					
Funding:	FY 2005	FY 2006	FY 2007		
Previous President's Budget:	2.031	2.654	2.984		
Current President's Budget:	1.965	2.614	2.970		
Total Adjustments	-0.066	-0.040	-0.014		
Summary of Adjustments					
Congressional Undistributed Reductions	-0.002	-0.028			
Economic Assumptions		-0.012	0.015		
Program Adjustments	-0.064		-0.029		
Subtotal	-0.066	-0.040	-0.014		
Schedule:					
LATR recertification moved from 3Q FY05 to 2Q F	Y06.				
Technical: Not Applicable.					
гесппса. Пог Аррисавіе.					

	EXH	IIBIT R-2a, RDT&E Project Justification		DATE:
				February 2006
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND I	
RDT&E, N /	BA 7	0204571N, CONSOLIDATED TRAINING SYSTEMS	0604, TRNG RANGE & INS	ST DEV (TRID)
D. OTHER PROGRAM FUNDING SUMMARY:				
		am is a non-ACAT program. The integrated program teams that o		
are obtained by means of competitive awards, Inde	finite Deliveries/Ir	ndefinite Quantity (IDIQ), and cost-type contracts. Individual deliv	very orders are awarded for specific dev	velopment efforts.

Exhibit R-3 Cost Analysis (page 1)									DATE:	Fobrus	ary 2006	
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT				PROJECT I	JI IMBER AI	ND NAME		rebiua	iry 2006	
RDT&E, N /		0204571N, CONSOLIDATED TRAINING SYS	STEMS					INST DEV (TRID)			
RDTGE, IV 7	Contract	020437 IN, CONSOCIDATED TRAINING STO	J LIVIO		FY 2005	0004, 11010	FY 2006	I	FY 2007			Target
	Method &		Total PY s	FY 2005	Award	FY 2006	Award	FY 2007	Award	Cost to		Value of
Cost Categories		Performing Activity & Location	Cost	Cost	Date	Cost	Date	Cost	Date		Total Cost	Contract
PRODUCT DEVELOPMENT	.,,,,,	r eneming rearry a geodesic		000.	160	0000	24.0	0001	24.0	Complete	. 514. 5561	00
Sys Eng/Software/Hardware Development	VARIOUS	VARIOUS	82.995	.718	VARIOUS	1.086	VARIOUS	1.320	VARIOUS	6.965	93.084	
Systems Eng		NAWCAD, PATUXENT RIVER MD		.550							2.621	
Systems Eng		VARIOUS		.160			VARIOUS			6.900		
SUBTOTAL PRODUCT DEVELOPMENT			82.995	1.428		2.296		2.581		13.865	103.165	
Remarks:	1			T	-			T		T		
SUPPORT		V4.D10.10										
Develop Support Equip		VARIOUS	10.377	075	\	100	\/A DIOLIO	400	\	.100		
Software Development	VARIOUS	VARIOUS	40.077				VARIOUS		VARIOUS	.549		
SUBTOTAL SUPPORT			10.377	.375		.100		.100		.649	11.601	
TEST & EVALUATION	1	T	1	T				T		T	<u> </u>	
Dev Test & Eval	TRD	NAWCWD, CHINA LAKE CA	5.145	.010	11/5/2005	:					5.155	
Oper Test & Eval		NAWCWD, CHINA LAKE CA	3.143	.005							.005	
SUBTOTAL TEST & EVALUATION	100	TATAVOVE, OTHER EARL OF	5.145		11/0/2000	1					5.160	
Remarks:				,						,	,	
MANAGEMENT												
PM SUPPORT-TSD ORLANDO		VARIOUS	2.877		VARIOUS		VARIOUS	.289	VARIOUS	1.556		
Program Mgmt Sup	TBD	NAWCWD, CHINA LAKE CA		.010	VARIOUS						.010	
SUBTOTAL MANAGEMENT			2.877	.147		.218		.289		1.556	5.087	
Remarks:												
Total Cost			101.394	1.965		2.614		2.970		16.070	125.013	
Remarks:												

CLASSIFICATION: EXHIBIT R4, Schedule Profile																												
	OPRIATION/BUDGET / PROGRAM ELEMENT NUMBER AND NAME															ER AN	DATE D NAM Trackii	ИΕ	nge		Fe	brua	ry 200	06				
Fiscal Year	02010	20		idatod	2006 2007								0604 (TRID) Large Area Tra 2008				2009				2010				2011			
	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																												
LATR GPS REC UPGRADE LATR ADIU UPGRADE LATR LDP REHOST																												
LATR Recertification																												
Block 5.0 LATR Upgrade]																										
Block 5.1 LATR Upgrade Block 6.0 Upgrade Block 6.1 Upgtade Block 6.2 Upgrade																												
LATR/TCTS Tech Transfer																												

ELASSIFICATION:							
xhibit R-4a, Schedule Detail					DATE:	ebruary 200	6
PPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-7					MBER AND Na arge Area Trac	AME	
Schedule Profile	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
ATR GPS REC UPGRADE	4Q	1Q-2Q					
ATR ADIU UPGRADE	4Q 4Q	1Q-2Q 1Q-2Q					
ATR LDP Rehost	+4	1Q-2Q 1Q-4Q	1Q-2Q				
ATR Recertification		2Q-4Q	100 200				
ATR RW Resize		3Q-4Q	1Q-4Q				
lock 5.0 LATR Upgrade IOC	1Q						
lock 5.1 LATR Upgrade IOC	3Q-4Q	1Q-2Q					
lock 6.0 LATR Upgrade IOC		3Q-4Q	1Q-2Q				
lock 6.1 LATR Upgrade IOC			3Q-4Q	1Q-2Q			
lock 6.2 LATR Upgrade IOC				3Q-4Q	1Q-2Q		
ATR/TCTS Tech Transfer					3Q-4Q	1Q-4Q	1Q-2Q

EXHIBIT R4, Schedule Profile													DATE	:					F	ebru	ary 2	006						
APPROPRIATION/BUDGET ACTIVITION	TY								PROJ	ECT N	NUMBE	R ANI	O NAM	ΙΕ					-		, _							
RDT&E, N /BA-7											Comb				s Deve	lonme	nt											
1.5.16.2, 1.7.2.7.1									0001	(11(12)	, 001116	at Hai	l liling C	yotom	0 0010	лорино												
Fiscal Year		200)5			20	06			20	07			20	08			2009				2010				20	11	
	1	2	3	4	1	2	3	4	1	2		4	1	2		4	1	2	3	4	1	2	3	4	1	2	3	4
Acquisition Milestones																												
JDS IOC Semi-Annual Blk Upgrades																												
Semi-Amidai bik Opgrades	L		I							<u> </u>																		
Semi-Annual Blk Upgrades LATR/TACTS Interface																												
Test Set Rehost Dev	\neg																											
PDR																												
CDR																												
T&E																												
IOC								L																				
Semi-Annual Blk Upgrades																												
EW Processor																												
PDR CDR	П																											
T&E			ŀ																									
IOC																												
Semi-Annual Blk Upgrades																												
10																												
ASOC Upgrade																												
TACTS Com Pro Anal PDR																												
CDR																												
T&E			ľ																									
IOC																												
Semi-Annual Blk Upgrades																												
Radar Display Subsystem																												
PDR																												
CDR			ļ			ı			ļ																			
T&E IOC									ļ																			
Semi-Annual Blk Upgrades																					1							
TTR Common Display																												
PDR																												
CDR																												
T&E																												
IOC																						1						
Link 16 TACTS Intregration																						1						
PDR																												
CDR															[
T&E																												
IOC								<u></u>					L										<u> </u>	<u> </u>	<u></u>	<u></u>	L_	<u></u>
F/A-18 E/F TACTS GPS																												
PDR																												
CDR										1			L		<u> </u>													
T&E																L												
IOC						l		1	l	l	1		l					1					1	1	1	1	l	1

DESTOC	CLASSIFICATIO	N:							
ROTEE, N BA-7 Schedule Profile FY 2005 FY 2006 FY 2007 FY 2008 FY 2009 FY 2010 FY 2011 FY 2010 FY 2011 FY 2010 FY 20							F		6
Schedule Profile									
DESTRUCT 10				•	•	0604 (TRID) C	ombat Trainin	g Systems Dev	elopment
10-40 10-4	Schedule Profi	le	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Test Set Rehost 10	JDS IOC		1Q						
Test Set Rehost PDR CDR Tase 10 10 10 10-40 Tocon	Semi-annual Block	Upgrades	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q		
Test Set Rehost PDR CDR Tase 10 10 10 10-40 Tocon	LATD/TACTS Interf	200	10.20						
PDR	LATR/TACTS IIILEII	ace				+			
DOR 10			1Q						
Table					ļ				ļ
DC			10	1	1				
Semi-Annual Block Upgrades 3Q-4Q				1	 	+		 	
EW Processor		Upgrades		10-40	10-40	1Q-4Q	10-40	 	
DPR	Com / mildai biock	opg. 4400	5 d 7 d	1 54 754	134 754	1 3 7 3	1 9 7 94	1	
DPR	EW Processor			İ	1			1	
TRE				<u> </u>					
DCC			4Q						
Semi-Annual Block Upgrades									
ASOC Upgrade				4Q	10.10	10.10	10.10		
TACTS Com Pro Anal	Semi-Annual Block	Upgrades			1Q-4Q	1Q-4Q	1Q-4Q		
PDR	ASOC Upgrade		1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q		
PDR	TACTS Com Pro Ai	nal				1			
TRE			1Q-3Q						
OC Semi-Annual Block Upgrades 1Q-4Q 1Q	CDR		4Q						
Semi-Annual Block Upgrades 1Q-4Q 1									
Radar Display Subsystem PDR 10-3Q CDR 4Q 10-2Q TASE OC Semi-Annual Block Upgrades TTR Common Display PDR CDR TASE OC CDR TASE TO-3Q TO-4Q				4Q					
PDR	Semi-Annual Block	Upgrades			1Q-4Q	1Q-4Q	1Q-4Q		
PDR	Radar Display Subs	system							
CDR		ĺ	1Q-3Q						
IOC Semi-Annual Block Upgrades IQ-4Q I									
Semi-Annual Block Upgrades 1Q-4Q 1Q-3Q 1									
TTR Common Display PDR CDR T&E IOC IIII 10-3Q IQ-3Q				4Q					
PDR 1Q-3Q 1Q-3Q 1Q T&E 1Q-3Q 1Q-3Q 1Q IOC 3Q-4Q 1Q 1Q Link 16 TACTS Integration 1Q-3Q 1Q-3Q 1Q PDR 4Q 1Q-2Q 1Q-2Q IOC 3Q-4Q 1Q-2Q 1Q IOC 3Q-4Q 1Q-2Q 1Q Link 16 TACTS Integration 1Q-3Q 1Q-3Q 1Q PDR 1Q-3Q 1Q-3Q 1Q CDR 4Q 1Q-2Q 1Q T&E 3Q-4Q 1Q-2Q 1Q T&E 3Q-4Q 1Q-2Q 1Q	Semi-Annual Block	Upgrades			1Q-4Q	1Q-4Q	1Q-4Q		
PDR 1Q-3Q 1Q-3Q 1Q T&E 1Q-3Q 1Q-3Q 1Q IOC 3Q-4Q 1Q 1Q Link 16 TACTS Integration 1Q-3Q 1Q-3Q 1Q PDR 4Q 1Q-2Q 1Q-2Q IOC 3Q-4Q 1Q-2Q 1Q IOC 3Q-4Q 1Q-2Q 1Q Link 16 TACTS Integration 1Q-3Q 1Q-3Q 1Q PDR 1Q-3Q 1Q-3Q 1Q CDR 4Q 1Q-2Q 1Q T&E 3Q-4Q 1Q-2Q 1Q T&E 3Q-4Q 1Q-2Q 1Q	TTR Common Disp	lav							
CDR 3Q-4Q 1Q T&E 1Q-3Q 1Q-3Q IOC 3Q-4Q 1Q Link 16 TACTS Integration 1Q-3Q 1Q-3Q PDR 4Q 1Q-2Q T&E 3Q-4Q 1Q-2Q IOC 3Q-4Q 1Q-2Q Link 16 TACTS Integration 1Q-3Q 1Q-3Q PDR 1Q-3Q 1Q-3Q CDR 4Q 1Q-2Q T&E 3Q-4Q 1Q-2Q T&E 3Q-4Q 1Q-2Q						1Q-3Q			
IOC							1Q		
Link 16 TACTS Integration	T&E								
PDR 1Q-3Q	IOC						3Q-4Q	1Q	
PDR 1Q-3Q				ļ		1			
CDR 4Q 1Q-2Q		gration		10.00	ļ				
T&E 3Q-4Q 1Q-2Q 1					10.00				
IOC 3Q-4Q				4Q		10.00			
Link 16 TACTS Integration 1Q-3Q PDR 1Q-3Q CDR 4Q 1Q-2Q T&E 3Q-4Q 1Q-2Q				 	3Q-4Q	1Q-2Q		1	
PDR 1Q-3Q CDR 4Q 1Q-2Q T&E 3Q-4Q 1Q-2Q	IOC		<u> </u>	1	 	3Q-4Q		1	
PDR 1Q-3Q CDR 4Q 1Q-2Q T&E 3Q-4Q 1Q-2Q	Link 16 TACTS Into	gration		1	1	+		+	
CDR 4Q 1Q-2Q		grauori		10-30	 	+		1	
T&E 3Q-4Q 1Q-2Q				40	10-20	+		1	
100				74	30-40	10-20		<u> </u>	
	IOC			 	JQ-4Q	3Q-4Q		+	

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification							DATE:	
							Februa	ry 2006
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEM	ENT NUMBER ANI	D NAME		PROJECT NUMBE	R AND NAME		
RDT&E, N / BA-7	0204571N Consoli	idated Training Syst	tems Development		1427 Surface Tacti	cal Team Trainer (STTT) (1427/3087)	
COST (\$ in Millions)		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Project Cost		9.477	* 21.537	* 5.466	5.803	* 11.744	* 11.244	* 10.886
RDT&E Articles Qty		N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Includes project units 1427/3087

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

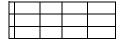
The Battle Force Tactical Training (BFTT) Program provides realistic joint warfare training across the spectrum of armed conflict; realistic unit level team training in all warfare areas; a mpans to link ships together which are in different homeports for coordinated training; external stimulation of shipboard training systems; and simulation of non-shipboard forces. BFTT uses a distributed architecture, integrating existing training systems, and uses Distributed Interactive Simulation (DIS) protocols. BFTT provides ships Corpmanding Officers and Battle Group/Battle Force Commanders with the ability to conduct coordinated realistic, high stress, combat system level team training as an integral part of the Afloat Training Organization. BFTT provides a baseline capability/system that meets the Operational Requirements Document (ORD). Stimulators/Simulators (STIM/SIM) provides standardized Radio Frequency (RF), Intermediate Frequency (IF), and/or Digital injection into surface ship radars and fire control systems for training of shipboard operators/teams as part of the BFTT System. The Distributed Shipboard Classroom provides a capability for shipboard instructors to utilize current online multimedia training technology to improve the quality, quantity and effectiveness of mission critical, military, safety and administrative training mandated by OPNAV, TYCOM and Fleet directives. It initiates development of the active electronic countermeasures training capability to BEWT and to the BFTT software. NSST System effort develops integrated COTS based navigation and shiphandling trainers to support navigation team training in Fleet Concentration Areas, as well as developing and integrating shipboard virtual reality shiphandling trainers for use onboard surface ships. The Total Ship Training System (TSTS) addition to BFTT connects combat system, navigation/ship control, engineering/propulsion, and damage control training, simultaneously exercising all primary elements of the crew in realistic combat-like conditions.

R-1 SHOPPING LIST - Item No.

	ication			DATE:	
				February 2	006
PPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMB	ER AND NAME	PROJECT NUMBER AND N	NAME	
DT&E, N / BA-7	0204571N Consolidated Traini	ing Systems Development	1427 Surface Tactical Team	Trainer (STTT) (1427/3087)	
Assemblishments/Blowned Business					
Accomplishments/Planned Program					
		FY 05	FY 06	FY 07	
Accomplishments/Effort/Subtotal Cost		5.653	5.685	5.466	
RDT&E Articles Quantity		N/A	N/A	N/A	
prioritized Training Systems capabili	ities in multiple mission areas inclu	aing AAW, SUW, ASW	, ымр, Ew areas.		
		1			
		FY 05	FY 06	FY 07	
Accomplishments/Effort/Subtotal Cost		FY 05 1.501	FY 06 0.000	FY 07 0.000	

PROGRAM ELEMENT NUMBER AND NAME RDT&E, N / BA-7 PROGRAM ELEMENT NUMBER AND NAME 1427 Surface Tactical Team Trainer (STTT) (1427/3087) B. Accomplishments/Planned Program (Cont.) Prof. Pro	BIT R-2a, RDT&E Project Justification	ation			DATE:	
B. Accomplishments/Planned Program (Cont.) FY 05					Februa	ary 2006
Accomplishments/Effort/Subtotal Cost	'RIATION/BUDGET ACTIVITY	PROGRAM ELEMENT N	UMBER AND NAME	PROJECT NUMBER AND	NAME	
Accomplishments/Effort/Subtotal Cost	N /BA-7	0204571N Consolidated 7	Fraining Systems Development	1427 Surface Tactical Tean	m Trainer (STTT) (1427/3087)	
Accomplishments/Effort/Subtotal Cost 0.981 0.000 0.000 RDT&E Articles Quantity N/A N/A N/A N/A Funding is being provided specifically for TOMAHAWK operator and team training development and integration into BFTT. Effort was complete in Pr 05 FY 06 FY 07 Accomplishments/Effort/Subtotal Cost FY 05 FY 06 FY 07 Accomplishments/Effort/Subtotal Cost 1.342 15.852 0.000 RDT&E Articles Quantity NA NA NA The Total Ship Training System (TSTS) connects combat system, navigation/ship control, engineering/propulsion, and damage control training, sim exercising all primary elements of the crew in realistic combat-like conditions. TSTS is inclusive of the Navigation Seamanship & Shiphandling Trai Engineering Operations & Casualty Control Trainer (EOCCT); Combat System Casualty Control Trainer (CSCCT); Damage Control Training & Man System (DCTMS); Training Exercise & Management System (TMS); Naval Gunfire Support Trainer (NGST) (formerly VAST); and the Augmented Fighting Trainer (ARFF). TSTS efforts include system/software engineering, software design, software development, system integration and test. I Congressional Plus up of \$1M provided to analyze requirements, design, develop and deliver a functional prototype with related documentation for TSTS. Prototypes of the various TSTS hardware and software subsystems will be designed and documented in a design specification including, Pe	·			l	, ,,	
Accomplishments/Effort/Subtotal Cost 0.981 0.000 0.000 RDT&E Articles Quantity N/A N/A N/A N/A N/A N/A Funding is being provided specifically for TOMAHAWK operator and team training development and integration into BFTT. Effort was complete in FY 05 FY 06 FY 07 Accomplishments/Effort/Subtotal Cost 1.342 15.852 0.000 RDT&E Articles Quantity NA NA NA NA The Total Ship Training System (TSTS) connects combat system, navigation/ship control, engineering/propulsion, and damage control training, sim exercising all primary elements of the crew in realistic combat-like conditions. TSTS is inclusive of the Navigation Seamanship & Shiphandling Trai Engineering Operations & Casualty Control Trainer (EOCCT); Combat System Casualty Control Trainer (CSCCT); Damage Control Training & Man System (DCTMS); Training Exercise & Management System (TMS); Naval Gunfire Support Trainer (NGST) (formerly VAST); and the Augmented Fighting Trainer (ARFF). TSTS efforts include system/software engineering, software development, system integration and test. I Congressional Plus up of \$1M provided to analyze requirements, design, develop and deliver a functional prototype with related documentation for TSTS. Prototypes of the various TSTS hardware and software subsystems will be designed and documented in a design specification including, Petrone Company (Company Company Co	nplishments/Planned Program (Cont.))				
Accomplishments/Effort/Subtotal Cost				1	T	1
Funding is being provided specifically for TOMAHAWK operator and team training development and integration into BFTT. Effort was complete in Frunding is being provided specifically for TOMAHAWK operator and team training development and integration into BFTT. Effort was complete in Frunding is being provided specifically for TOMAHAWK operator and team training development and integration into BFTT. Effort was complete in Frunding is Frunding in Frunding in Frunding in Frunding in Frunding is Frunding in F						
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Accomplishments/Effort/Subtotal Cost RDT&E Articles Quantity The Total Ship Training System (TSTS) connects combat system, navigation/ship control, engineering/propulsion, and damage control training, sime exercising all primary elements of the crew in realistic combat-like conditions. TSTS is inclusive of the Navigation Seamanship & Shiphandling Trainering Operations & Casualty Control Trainer (EOCCT); Combat System Casualty Control Trainer (CSCCT); Damage Control Training & Man System (DCTMS); Training Exercise & Management System (TMS); Naval Gunfire Support Trainer (NGST) (formerly VAST); and the Augmented Fighting Trainer (ARFF). TSTS efforts include system/software engineering, software design, software development, system integration and test. I Congressional Plus up of \$1M provided to analyze requirements, design, develop and deliver a functional prototype with related documentation for TSTS. Prototypes of the various TSTS hardware and software subsystems will be designed and documented in a design specification including, Peterson and the state of the various to the various						
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The Total Ship Training System (TSTS) connects combat system, navigation/ship control, engineering/propulsion, and damage control training, sime exercising all primary elements of the crew in realistic combat-like conditions. TSTS is inclusive of the Navigation Seamanship & Shiphandling Trainering Operations & Casualty Control Trainer (EOCCT); Combat System Casualty Control Trainer (CSCCT); Damage Control Training & Man System (DCTMS); Training Exercise & Management System (TMS); Naval Gunfire Support Trainer (NGST) (formerly VAST); and the Augmented Fighting Trainer (ARFF). TSTS efforts include system/software engineering, software design, software development, system integration and test. I Congressional Plus up of \$1M provided to analyze requirements, design, develop and deliver a functional prototype with related documentation for TSTS. Prototypes of the various TSTS hardware and software subsystems will be designed and documented in a design specification including, Peterson and the state of the various TSTS hardware and software subsystems will be designed and documented in a design specification including, Peterson and the state of the various TSTS hardware and software subsystems will be designed and documented in a design specification including, Peterson and the state of the various TSTS hardware and software subsystems will be designed and documented in a design specification including, Peterson and the state of the various TSTS hardware and software subsystems will be designed and documented in a design specification including.			FY 05	FY 06	FY 07	
The Total Ship Training System (TSTS) connects combat system, navigation/ship control, engineering/propulsion, and damage control training, sime exercising all primary elements of the crew in realistic combat-like conditions. TSTS is inclusive of the Navigation Seamanship & Shiphandling Trainering Operations & Casualty Control Trainer (EOCCT); Combat System Casualty Control Trainer (CSCCT); Damage Control Training & Man System (DCTMS); Training Exercise & Management System (TMS); Naval Gunfire Support Trainer (NGST) (formerly VAST); and the Augmented Fighting Trainer (ARFF). TSTS efforts include system/software engineering, software design, software development, system integration and test. I Congressional Plus up of \$1M provided to analyze requirements, design, develop and deliver a functional prototype with related documentation for TSTS. Prototypes of the various TSTS hardware and software subsystems will be designed and documented in a design specification including, Peterson and the control training including, Peterson and the control training is provided to analyze requirements, design, develop and deliver a functional prototype with related documentation for TSTS. Prototypes of the various TSTS hardware and software subsystems will be designed and documented in a design specification including, Peterson and the control training is provided to analyze requirements.					0.000	
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	rcising all primary elements of the crew in ineering Operations & Casualty Control 1 tem (DCTMS); Training Exercise & Mananting Trainer (ARFF). TSTS efforts including the second Plus up of \$1M provided to an S. Prototypes of the various TSTS hards	crew in realistic combat-like ontrol Trainer (EOCCT); Con & Management System (TMS s include system/software ened to analyze requirements, c S hardware and software sub	conditions. TSTS is inclusion bat System Casualty Cons); Naval Gunfire Support gineering, software designdesign, develop and delive psystems will be designed	sive of the Navigation Settrol Trainer (CSCCT); E Trainer (NGST) (formerly, software development or a functional prototype and documented in a de	eamanship & Shiphandlin Damage Control Training by VAST); and the Augme t, system integration and with related documentati	Mg Trainer (NSST); & Management ented Reality Fire test. FY05 ion for elements of
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EXHIBIT R-2, RDT&E Budget Item Justification				DATE:
_				February 2006
APPROPRIATION/BUDGET ACTIVITY		P	ROGRAM ELEMENT	NUMBER AND NAME
RDT&E, N / BA-7		0:	204571N Consolidate	ed Training Systems Development
B. PROGRAM CHANGE SUMMARY:				
Funding:	FY 2005	FY 2006	FY 2007	
Previous President's Budget:	9.569	21.864	9.914	
Current FY07 PRESBUD Budget:	9.477	21.537	5.466	
Total Adjustments	-0.092	-0.327	-4.448	
Summary of Adjustments				
Small Business Innovation	-0.077			
Program Adjustments	-0.005		-4.532	
Economic Assumptions		-0.099	0.084	
Execution Adjustments	-0.010			
Congressional Undistributed Reductions		-0.228		
Subtotal	-0.092	-0.327	-4.448	



HIBIT R-2a, RDT&E	Project Justilication							DATE:	Februa	ry 2006
PROPRIATION/BUDGET	ACTIVITY	PROGRAM EL	EMENT NUME	BER AND NAM	IE	PROJECT NUI	MBER AND NA	AME		•
T&E, N /	BA-7	0204571N Cor	solidated Trair	ning Systems D	evelopment	1427 Surface T	actical Team 1	Trainer (STTT)	(1427/3087)	
C. OTHER PROGRA	M FUNDING SUMMARY:	·							То	Total
Line Item No. & Nar	<u>ne</u>	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	<u>Complete</u>	Cost
OPN 276200 (Surface BFTT/	TSTS portion only)	34.252	34.56	13.404	27.045	34.389	37.44	28.486	0	209.576
	tion strategy for system deve	lopment utilizes the spiral dev e BFTT ACAT IVM Milestone I			d by OSD. Inc	eremental acqui	sition and field	ing, utilizing co	ommercial off-the	e-shelf technology
The BFTT acquisi	tion strategy for system deve				d by OSD. Inc	eremental acqui	sition and field	ing, utilizing co	ommercial off-the	e-shelf technology

	(1 ans							DATE:			Februar	v 2006		
Exhibit R-3 Cost Analysis (p APPROPRIATION/BUDGET ACT	VITY		PROGRAM E	LEMENT		PROJECT NU	MBER AND N	JAMF			i Chiuai	y 2000		
RDT&E, N / BA-7	••••				ning Systems Development			Trainer (STTT) (1427/3087)					
Cost Categories	Contract	Performing	1	Total			FY 05	1	FY 06		FY 07			
•	Method	Activity &		PY s			Award	FY 06	Award	FY 07	Award	Cost to	Total	Target Valu
	& Type	Location		Cost		Cost	Date	Cost	Date	Cost	Date	Complete	Cost	of Contract
Primary Hardware Development		NAVSEA 02		11.498		0.600		1.163		1.119	TBD		14.380	14.38
Ancillary Hardware Development	*	NAVSEA 02		0.999				1.163		0.000			2.162	2.10
Component Development	*	11,1102,102		0.000				11.100		0.000			0.000	0.00
Ship Integration	-	†						0.291		0.279	TBD		0.570	
Ship Suitability	-	†						0.201		0.2.0			0.000	
		PHD / NUWC	C Crane /											
Systems Engineering	*	NAVSSES / N	IAVSEA 02	23.531		1.127	01/05	2.463	01/06	0.830	TBD	Continuing	Continuing	N
Training Development													0.000	
Licenses	*	CDSA		3.663		0.142	01/05						3.805	N
Tooling	-	1020/1		0.000		0.1.12	0 17 00						0.000	.,
GFE	-	†		2.497								0.000	2.497	2.49
Award Fees	-	†		0.357								0.000	0.357	
Subtotal Product Development	+	+		42.544		1.869		5.080		2.228		Continuing	Continuing	0.0.
Development Support	\Box	T											0.000	
Software Development	*	NAWC Orlando		49.634		5.804	01/05	10.283	01/06	2.588	TBD	Continuing	Continuing	N
	+	020/1/10/102		10.001		0.001	01700	10.200	0 1700	2.000		Continuing	0.000	
														IN IN
Training Development	+												0.000	
													0.000	
Training Development Integrated Logistics Support	*	NAWC Orlando		11.072		0.946	01/05							
Training Development Integrated Logistics Support Configuration Management	*	NAWC Orlando		11.072		0.946	01/05						0.000	
Training Development Integrated Logistics Support Configuration Management Technical Data	*	NAWC Orlando		11.072		0.946	01/05						0.000 12.018	N
Training Development Integrated Logistics Support Configuration Management Technical Data GFE	*	NAWC Orlando		11.072		0.946	01/05	10.283		2.588	3	Continuing	0.000 12.018 0.000	N
Training Development Integrated Logistics Support Configuration Management Technical Data GFE Award Fees	*	NAWC Orlando					01/05	10.283		2.588		Continuing	0.000 12.018 0.000 0.000	

Fubibit D. 2 Coot Analysis (s.	~~ O\							DATE:			Fabrus : :	2000		
Exhibit R-3 Cost Analysis (pa APPROPRIATION/BUDGET ACTIV		l _D	ROGRAM ELE	EMENIT		PROJECT NU	IMPED AND N	NAME			Februar	y 2006		
RDT&E, N / BA-7	111				ng Systems Development			n Trainer (STTT)	(1427/2007)					
Cost Categories	Contract	Performing		Total	Tig Systems Development		FY 05	Trainer (3111)	FY 06		FY 07			
oost oatogones	Method	Activity &		PY s			Award	FY 06	Award	FY 07	Award	Cost to	Total	Target Value
	& Type	Location		Cost		Cost	Date	Cost	Date	Cost	Date	Complete	Cost	of Contract
		NAWC Orlando												
Developmental Test & Evaluation	*	NAVSSES / NAV	VSEA 02	5.469		0.426	01/05	4.174	01/06	0.071	TBD	Continuing		
Operational Test & Evaluation													0.000	
Live Fire Test & Evaluation													0.000	1
Test Assets													0.000	1
Tooling													0.000	
GFE													0.000	
Award Fees													0.000	
Subtotal T&E				5.469		0.426		4.174		0.071		Continuing	Continuing	N/A
Remarks: - *WX/RX/RCP/IPR -		<u>, </u>												
-*WX/RX/RCP/IPR - -	<u>. </u>	<u>. </u>									T		I 0,000	I
		<u> </u>											0.000	
-*WX/RX/RCP/IPR - -	*	CDSA / NAVSSES	S	4.315		0.432	01/05	2.000	01/06	0.579	TBD	Continuing	Continuing	N/A
- *WX/RX/RCP/IPR	*	CDSA / NAVSSES	s	4.315		0.432	01/05	2.000	01/06	0.579	TBD	Continuing	Continuing 0.000	N/A
- *WX/RX/RCP/IPR	*	CDSA / NAVSSES	S	4.315		0.432	01/05	2.000	01/06	0.579	TBD	Continuing	Continuing	N/A
- *WX/RX/RCP/IPR	*	CDSA / NAVSSES	S	4.315		0.432	01/05	2.000	01/06	0.579	TBD	Continuing	Continuing 0.000	N/A
- *WX/RX/RCP/IPR		CDSA / NAVSSES	S	4.315		0.432	01/05	2.000	01/06	0.579	TBD	Continuing	Continuing 0.000 0.000	N/A
- *WX/RX/RCP/IPR		CDSA / NAVSSE	s	4.31 <u>5</u> 4.31 <u>5</u>		0.432	01/05	2.000	01/06	0.579		Continuing	Continuing 0.000 0.000 0.000	N/A
-*WX/RX/RCP/IPR		CDSA / NAVSSES	S				01/05		01/06				Continuing 0.000 0.000 0.000 0.000	N/A
*WX/RX/RCP/IPR		CDSA / NAVSSES	S				01/05		01/06				Continuing 0.000 0.000 0.000 0.000	N/A
-*WX/RX/RCP/IPR		CDSA / NAVSSES	S				01/05		01/06				Continuing 0.000 0.000 0.000 0.000	N/A
-*WX/RX/RCP/IPR		CDSA / NAVSSES	S	4.315		0.432	01/05	2.000	01/06	0.579		Continuing	Continuing	N/A
*WX/RX/RCP/IPR		CDSA / NAVSSES	S		0.000		01/05		01/06				Continuing	N/A
-*WX/RX/RCP/IPR		CDSA / NAVSSES	S	4.315	0.000	0.432	01/05	2.000	01/06	0.579		Continuing	Continuing	N/A
Contractor Engineering Support Contractor Engineering Support Covernment Engineering Support Cravel Cabor (Research Personnel) CBIR Assessment Subtotal Management Remarks: *WX/RX/RCP		CDSA / NAVSSES	S	4.315	0.000	0.432	01/05	2.000	01/06	0.579		Continuing	Continuing	N/A

	DATE:								
	February 2006								
APPROPRIATION/BUDGET ACTIVITY		PROGRAM EI	LEMENT NUM	BER AND NAM	ИΕ		PROJECT NU	MBER AND N	IAME
RDT&E, N /	BA 7	0204571N, CC	ONSOLIDATED	TRAINING S	YSTEMS		2124, AIR WA	RFARE TRAII	NING DEVELOPMENT
COST (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		
2124 AIR WARFARE TRAINING DEVEP	1.412	1.420	1.687	1.726	1.763	1.801	1.840		1
RDT&E Articles Qty									

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

This project transitions new training system technologies for use in naval aviation training. Products from this effort are directly tied to the Nawy and Marine Corps Aviation Simulation Master Plans (\$479M), the MH-60R/S master plan, the Multi-Mission Maritime Aircraft (MMA) program, and will support the development and design of future naval aviation training/mission rehearsal systems. Tasks include: 1) Advanced training systems specification development to provide for modular, High Level Architecture (HLA) compliant, high fidelity Distributed Mission Training (DMT) and mission rehearsal capabilities, ashore and afloat. Mission rehearsal is defined as the practice of planned tasks and functions critical to mission success using a true-to-life, interactive representation of the expected operating environment. Technologies to be developed and integrated include: 1) DMT weapons server, weather server, common mission training stations, high resolution helmet mounted, and/or flat panel displays, photographic quality image generation, portable source initiative (PSI) database reuse, advanced environmental effects modeling, fused radar/infra-red/electro-optic and acoustic sensor simulations, physics-based IR stimulations; and 2) the Aviation Training Technology Integration Facility (ATTIF), which is a man-in-the-loop test bed for the integration of software, hardware, and networked systems. New technologies will include intelligent computer generated forces (CGFs) as virtual and constructive entities for threat or friendly interaction. Additionally, "man-in-the-loop" intelligent agents will be integrated to the ATTIF, including an HLA node for participation and benchmarking fleet exercises in the synthetic battle space. This ATTIF capability provides a window to fleet aviators for critical comment, evaluation, and fine tuning of new and innovative technologies before final transition to the Fleet. Debrief/AAR and intelligent training support tools are focused on human performance enhancements for Fleet readiness and

Metrics - These technology transitions will both lower total ownership costs (TOC) of the training systems (life-cycle visual system database re-use, reduced instructor manning profiles, software-based fidelity enhancements), and increase fleet readiness by enhancing overall system fidelity to the projected operating environments. NASMP/MCSMP readiness improvements are conservatively forecast at 14-28% following associated technology upgrades to stand alone, or networked simulators.

	DATE:		
	February 2006		
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NAME
RDT&E, N /	BA 7	0204571N, CONSOLIDATED TRAINING SYSTEMS	2124, AIR WARFARE TRAINING DEVELOPMENT
B. ACCOMPLISHMENTS / PLANNED PROGRAM:			

Develop and integrate ATTIF modular architecture components for Navy DMT, deployable E-2C crew station, intelligent synthetic forces, and tactical scenario control. Demonstrate low-cost DMT configurations, while maintaining or increasing fidelity. Demonstrate low cost training and mission rehearsal configurations and evaluate variable fidelity cockpits. Demonstrate instructor support technology including advanced scenario generation, multi-SAF control, automated measures of performance (MOP), and debrief/AAR products for NASMP. Analyze GOTS/COTS alternatives for network centric warfare connectivity in the simulated battlespace, while reducing training system life cycle costs.

	FY 2005	FY 2006	FY 2007	
Accomplishments / Effort / Sub-total Cost	.494	.369	.329	
RDT&E Articles Qty				

Integrate IR (NVG & Forward Looking Infra-Red (FLIR) sensor simulation)) with Sensor Host government software. Perform risk reduction, integration and productization of Sensor host for Naw DMT and legacy devices. Demonstrate GOTS capability for cost-effective database materialization, and develop PSI/RSD specifications for implementation on DMT, deployed trainers, legacy, and new visual system upgrade programs. Develop texture storage, PSI material reference processes/standards, and automated applications for R/T publishing, R/T shadows, R/T combat effects, and very high resolution visuals.

	FY 2005	FY 2006	FY 2007	
Accomplishments / Effort / Sub-total Cost	.268	.355	.486	
RDT&E Articles Qty				

Develop/specify and evaluate intelligent training support tools (ITST) for application to NASMP, MH-60R, MMA, and large scale coalition-level battle exercises. Specify, test and integrate human performance-centered design into NASMP common components, the ATTIF/DMT testbed, and deployable systems. Develop automated performance measurement and after-action review (AAR) specifications and products that increase instructor efficiency and training efficacy in a reduced instructor manning environment.

	EXHIBI [*]	ΓR-2a, RDT&	E Project Justific	ation			DATE:	
			•				February 2006	
APPROPRIATION/BUDGET ACTIVITY		PROGRAM I	ELEMENT NUM	BER AND NAME		PROJECT NUMBER AND NA	AME	
RDT&E, N /	BA 7 0204571N, CONSOLIDATED TRAINING SYSTEMS 2124, AIR WARFARE						IING DEVELOPMENT	
	EV 2005	FY 2006	EV 2007					
A	FY 2005		FY 2007					
Accomplishments / Effort / Sub-total Cost	.297	.369	.455					
RDT&E Articles Qty								
Provide for upgraded and modular Mission Training Station Analyze, develop, and integrate ATTIF modular architecture initiatives, and intelligent synthetic forces. Upgrade commuTEN compatible, and JSAF compatible, thereby maximizing	components for iOS/MTS hui	or F/A-18 cock man interface	oit avionics, MH-6 to be Joint Missi	60R avionics, intellig on Planning System	ent instructor operator a (JMPS) compatible, nex	gents, small footprint E-2C, TA tt generation threat system (NC	CAIR/MMA common GUI	

7 TY 2005	0204571N, COI	EMENT NUMBE NSOLIDATED T	R AND NAME Raining Systems	PROJECT NUMBER AND I 2124, AIR WARFARE TRAI	
	EV 2000				
	EV 0000				
	FY 2006	FY 2007			
1.458	1.442	1.742			
1.412	1.420	1.687			
-0.046	-0.022	-0.055			
-0.017	-0.015				
	-0.007	0.009			
-0.029		-0.064			
-0.046	-0.022	-0.055			
	-0.046 -0.017 -0.029	-0.046 -0.022 -0.017 -0.015 -0.007 -0.029	-0.046 -0.022 -0.055 -0.017 -0.015 -0.007 0.009 -0.029 -0.064	-0.046 -0.022 -0.055 -0.017 -0.015 -0.007 0.009 -0.029 -0.064	-0.046 -0.022 -0.055 -0.017 -0.015 -0.007 0.009 -0.029 -0.064

	EXHIBIT R-2a, RDT&E Project Justification											
APPROPRIATION/BUDGET ACTIVITY RDT&E, N /		PROGRAM EL 0204571N, CO	_	February 2006 ER AND NAME ARE TRAINING DEVELOPMENT								
D. OTHER PROGRAM FUNDING SUMMARY:	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete Total Cost				
APN Line 22. BA-7 BLI 0705 Common Ground Equipment (USMC Federation Simulators)	0.000	19.415	31.616	23.829	39.629	32.993	31.723	179.205				
APN Line 16. BA-7 BLI 0705 Common Ground Equipment (Fleet Aircrew Simulator Training (FAST))	53.743	86.026	50.359	51.375	51.922	54.972	51.669	400.066				

Related RDT&E

(U) P.E. 0604245N, Project # H2279, Sub-Project Title: USMC H-1 Upgrades

E. ACQUISITION STRATEGY:

Air Warfare Training Development (AWTD) is a joint 6.4 R&D technology transition team, tied closely to the Navy and Marine Corps Aviation Simulation Master Plans. A true, multidisciplinary, joint Integrated Product Team (IPT) approach is utilized through a combination of reimbursable and direct cite/MIPR contract processes to accomplish the IPTs principal objectives. These technology transitions continue to successfully target improvements in fleet readiness, and reductions in total system life cycle costs. AWTD R&D investment directly supports achievement of cost-wise readiness metrics for the Naval Aviation Training enterprise team.

			<u></u>						DATE:			
Exhibit R-3 Cost Analysis (page 1)										Februa	ry 2006	
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT				PROJECT I						
RDT&E, N /	BA 7	0204571N, CONSOLIDATED TRAINING SY	'STEMS			2124, AIR V		RAINING D	1	NT		
	Contract				FY 2005		FY 2006		FY 2007			Target
	Method &		Total PY s	FY 2005	Award	FY 2006	Award	FY 2007	Award	Cost to		Value of
Cost Categories	Type	Performing Activity & Location	Cost	Cost	Date	Cost	Date	Cost	Date	Complete	Total Cost	Contract
PRODUCT DEVELOPMENT												
System Engineering		L3 Communications Corp. Arlington TX	3.775				VARIOUS		VARIOUS			7.23
System Engineering		Information Network Systems Inc. PA		.148			VARIOUS	.763	VARIOUS	3.272	4.881	4.88
System Engineering		Aptima Woburn MA		.164	1/14/2005	5					.164	.16
System Engineering	WX	NAWCTSD, ORLANDO	5.104	.343	1/1/2005						5.447	
SUBTOTAL PRODUCT DEVELOPMEN			8.879	1.015		1.048		1.313		5.472	17.727	
Remarks:												
SUPPORT												
Develop Support Equipment	SS-FFP	CACI, Inc. Alexandria VA	.857	.145	12/8/2004		VARIOUS	.150		.711	2.013	2.013
SUBTOTAL SUPPORT			.857	.145		.150		.150		.711	2.013	2.01
Remarks: TEST & EVALUATION		I				1			I	T		
Developmental Test and Evaluation	WX	NAWCAD, PATUXENT RIVER MD	4.833	.240	1/1/2005	.207	VARIOUS	.209	VARIOUS	.912	6.401	
SUBTOTAL TEST & EVALUATION	WX	IN WORD, I MI OKENI KIVEK MD	4.833	.240	17172000	.207	77111000	.209		.912		
Remarks:												
MANAGEMENT												
Travel	TO	NAVAIR HQ, PATUXENT RIVER MD	.164	.012	1/2/2005			.015		.251	.457	
SUBTOTAL MANAGEMENT			.164	.012		.015		.015		.251	.457	
Remarks:												
Total Cost			14.733	1.412		1.420		1.687		7.346	26.598	
Remarks:												

EXHIBIT R4, Schedule Profile																	DATE:											
																					F	ebrua	ary 20	06				
APPROPRIATION/BUDGET ACTIVITY	PRO	GRAM	ELEM	ENT N	IUMBE	R AND	NAM	E					PRO	IECT N	NUMBE	R ANI	D NAME											
RDT&E, N / BA-7	0204	571N/C	Consoli	dated	Trainin	g Syste	ems D	evelop	ment				2124/	Air Wa	arfare 1	raining	g Devel	opmei	nt									
Final Vari		20	005			200	06			20	007			20	80			200	09			20	10			20	11	
Fiscal Year				1						l					1							l						Т
	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	
IASMP																												
cquisition 4 RDT&E Milestones	TRAN	SITIO	N TO	NASM	^			TRANS & MH-0	5. TO	NASM	P TR	ANS.	TO NA	SMP	TRA	NS. TO	D NASN	ИP	TRA	NS. TO) NCT	E	TRA	NS. TC	NCT		TRAN	
	Ī															/1								/				1
ATTIF MOD Architecture																												
ATTIF Integr. & modifications				/	/			/\	\			$ \wedge $				A				\wedge				\triangle				1/
Software (specifications & GOTS)	Base	line.			<u> </u>				<u> </u>			1 4			l	, .				/ `	. ,			/				+'
Weapons Server Software	H/A18	8C; Lo	1 Int		F T/	CAIR		Int to MARI	AIIII		nt to A MMA	H				to ASV VAST	V		Int NC	to FST	/		Int t	o DMO	c	li li	nt to JI	IFC.C
NGTS Common GUI C-DMTS (ATTIF Integr.) (3)	Archi	tecture	į	\				\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	· ···viL	ITST	VIIVI/ (7.11	∇			110	∇				\\\\ \\\\	Ĭ			7,
ntelligent Trng Support Tools (Maritime)				V				····								V				`V				V				'
Test & Evaluation																												
Milestones	7	₹7	,	7																								
WEAPS server Oceana/Lemoore		\		`,_ <u>H</u> .	60R		N	ARITII	٧Ę																			
WEAPS Server Maritime (Base/H-60R)				\/-					<u> </u>			\perp	A	SWV	AST			FST				DMO	С			JFCO	М	
C-DMTS Spec/Demo		\			;; ₹7TRI	K DEM	0) -							>				7./. -								 7		
TST AAR toolset DEMO			+						- √																			
Sensor stimulation (3)				32	ΑŽ	/-8B	M.	<u>H-6</u> 0S																				
Sensor Host Specs (2)		∇	Ocean:	`√M	H-60R	V′		`V																				
Compat/Environ -fft-		` '	Vocario	1					Λ						ІНМС	s												
Combat/Environ. effects Helmet-mounted		+		 	†				/	ľ		.	ļ.,		F/A-18	C		F.	A-18 E	/F				MV-22				MM
cueing w/sensor fusion												ļ`	7		$\mid \lor \mid$				∇					\bigvee				7,
Super resolution IGs w/sensors												ļ <u>-</u>	\mathbb{Z}			AIR V			GIO	M LIN	ĸ		DE	PCOV	ED			FIN
Deployed SIMS (DMT/Sensor capable)												ļ <u>-</u>	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			DÉWO			GIO				SI	MŠ ŽÒI	NT			DEN
MMA/NUCAV JSF DMT specs/Demo Production Milestones		†	+									1	₹′			∇				\bigvee				\bigvee				
N/A See above																												
transitions to NASMP	1		1		1	1	l			l	1	1		1								l			1	1		

Exhibit R-4a, Schedule Detail					DATE:		
						February 20	06
APPROPRIATION/BUDGET ACTIVITY				PROJECT NU	IMBER AND N	AME	
RDT&E, N / BA-7				2124/Air Warfa	are Training De	evelopment	
Schedule Profile	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Transition Milestones		1Q	1Q,4Q	4Q	4Q	4Q	4Q
ATTIF MOD Architecture							
ATTIF integration & modifications	4Q	4Q	4Q	4Q	4Q	4Q	4Q
Software (specifications & GOTS)							
Weapons Server software (F/A18C) Int to ATTIF (NGTS GUI)	1Q, 4Q			-			
Int to ATTIF (NGT3 GOI)	4Q	4Q		4Q	4Q	4Q	4Q
Int Trng Supp Tools, (ITST) MARITIME	+0	79	2Q	70	70	70	73
Test and Evaluation (Prototypes)							
WEAPS server Upgrades Oceana/Lemoore	2Q, 4Q						
WEAPS server Upgrades MARITIME (3)	4Q		1Q, 4Q	2Q	2Q	2Q	2Q
C-DMTS Spec/Demo	2Q	1Q					
ITST/AAR toolset DEMO (2)			1Q				
Sensor Host stimulation (3)	4Q	2Q, 4Q					
Sensor Host specs (2)	2Q						
Combat/Environ. Effects			1Q				
Helmet-mounted cueing w/sensor fusion			4Q	3Q	3Q	4Q	4Q
Super resolution IGs w/sensors			4Q				
Deployed SIMS (DMT/Sensor capable)			4Q	4Q	4Q	4Q	
MMA / NUCAV JSF DMT Specifications (3)			4Q				
				1			

	EXHIBIT R-2a, RDT&E Project Justification												
	PROPRIATION/BUDGET ACTIVITY PROGRAM ELEMENT NUMBER AND NAME PROJECT NUMBER AND N												
APPROPRIATION/BUDGET ACTIVITY	AME												
RDT&E, N /	BA 7	0204571N, CC	NSOLIDATED	TRAINING S	YSTEMS		3093, TACTIC	AL COMBAT	TRAINING SYSTEM (TCTS).				
COST (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011						
3093 TACTICAL COMBAT TRAINING SYSTEM (TCTS).	7.468	16.044	7.734	10.550	3.041	5.439	9.221						
RDT&E Articles Qty	2	3	1										

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: The Tactical Combat Training System will provide the Navy a replacement for major portions of the Tactical Aircrew Combat Training
System (TACTS) and Large Area Tracking Range (LATR) system. TCTS will also provide fleet deployable training for at sea training and tactics development. By providing a rangeless capability, the system
will greatly increase the area where live instrumented training can be conducted. Initial fielding of a Non-Developmental Item (NDI) Pod system is planned at NAS Key West. The program incorporates an
evolutionary development (incremental) towards a system capable of supporting a broad spectrum of naval platforms through weapons simulations, participant weapons system stimulation, open architecture
and a high capacity/long range secure data link. The Milestone Decision Authority approved program rebaseline on May 23, 2005.

	EXHIBIT	R-2a, RDT&E	Project Justific	cation			DATE:
							February 2006
APPROPRIATION/BUDGET ACTIVITY			LEMENT NUM			PROJECT NUMBER AND N	
RDT&E, N /	BA 7	0204571N, CO	ONSOLIDATE	D TRAINING S	YSTEMS	3093, TACTICAL COMBAT T	RAINING SYSTEM (TCTS).
					1		
		<u> </u>			<u>l</u>		
B. ACCOMPLISHMENTS / PLANNED PROGRAM:							
	FY 2005	FY 2006	FY 2007		1		
Accomplishments / Effort / Sub-total Cost	7.468	16.044	7.734		1		
RDT&E Articles Qty	2	3	1		1		
Initiate development of Fixed Ground Subsystem (FGS) for us Ground Subsystem for delivery of the larger Nawy training rang will continue the development of the JTRS advance data link.							
			1		Ť		

	EXHIBIT	R-2a, RDT&E F	Project Justification			DATE:
PPROPRIATION/BUDGET ACTIVITY	Ti-	DROCRAMEL	EMENT NUMBER AND NAME		PROJECT NUMBER ANI	February 2006
DT&E.N /			NSOLIDATED TRAINING SYST	FMS		AT TRAINING SYSTEM (TCTS).
DIGE, N	DA I	320 4 37 11 4 , 00	NOOLIDATED TRAINING GTGT	LINO	3033, TACTIOAL COMBA	AT TRAINING STOTEM (1016).
. PROGRAM CHANGE SUMMARY						
Funding:	FY 2005	FY 2006	FY 2007			
Previous President's Budget:	9.375	16.288	8.312			
Current President's Budget:	7.468	16.044	7.734			
Total Adjustments	-1.907	-0.244	-0.578			
Summary of Adjustments						
Congressional Undistributed Reductions	-0.148	-0.170				
Economic Assumptions	-0.148	-0.170 -0.074	0.042			
	4.750	-0.074				
Program Adjustments	-1.759	0.044	-0.620			
Subtotal	-1.907	-0.244	-0.578			
Phase 4 Advanced Datalink FY06 2Q/4Q Phase 1 DT FY05 1Q Keywest IOC FY05 3Q Beaufort IOC FY08 4Q Phase 2 DTB2-1, 2-2A, 2B, 2-3, 2-4, 2-5, OTC2-1 FY IOC Lemoore FY08 4Q IOC CVW-5 FY07 1Q IOC Oceana FY09 1Q IOC Yuma FY07 3Q IOC Cherry PT FY09 3Q	/05 2Q - FY07 1Q	P P P P IC IC IC	hase 4 MSB FY06 1Q hase 5 Battle Group FY-10 - FY hase 1 (NDI)DTC1-1, DTC1-2/D hase 1 NDI - Transportable (GS hase 2 Internal Subsystem (IS) hase 2 Internal Subsystem (IS) CC Key West FY06 2Q DC CVW-5 FY07 3Q DC Beaufort FY08 4Q DC Fallon FY09 1Q	T Assist, OTB-3 FY05 G, AS) FRP FY074Q LRIP FY06 3Q	3Q	
·		IC	OC Oceana FY09 2Q OC Cherry Pt. FY09 3Q			
Technical: Not applicable						

		DATE:								
									February 2006	
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME PROJECT NUMBER AND NAME							NAME		
RDT&E, N /	BA 7	0204571N, CONSOLIDATED TRAINING SYSTEMS 3093, TACTICAL COMBAT TRA						T TRAINING SYS	STEM (TCTS).	
D. OTHER PROGRAM FUNDING SUMMARY: Related OPN: Weapons Range Support Equipment, LI 4204 Related APN: Other Production Charges, LI 0725	FY 2005 42.864 6.079	FY 2006 59.456 10.275	FY 2007 56.226 19.501	FY 2008 41.696 22.878	FY 2009 60.655 28.439	FY 2010 59.875 25.983	FY 2011 60.825 23.066	To Complete	Total Cost 0.000	

E. ACQUISITION STRATEGY:

TCTS will employ an evolutionary acquisition strategy to procure a base Non-Developmental Item System and evolutionary development of the system to meet the full ORD requirements. TCTS will be a cooperative program with the USAF P5 CTS program. The USAF awarded a 10-year contract in June 2003.

									DATE:			
Exhibit R-3 Cost Analysis (page 1)		DDOODAN ELEMENT				IDDO IDOT I		ID NIAME		Februa	ry 2006	
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT					NUMBER AN					
RDT&E, N /	BA 7	0204571N, CONSOLIDATED TRAINING SYS	TEMS			3093, TAC1		<u>BAT TRAINI</u>	NG SYSTEN	И (TCTS)	1	
	Contract				FY 2005		FY 2006		FY 2007			Target
	Method &		Total PY s	FY 2005	Award	FY 2006	Award	FY 2007	Award	Cost to		Value c
Cost Categories	Type	Performing Activity & Location	Cost	Cost	Date	Cost	Date	Cost	Date	Complete	Total Cost	Contrac
PRODUCT DEVELOPMENT												
Primary Hdw Development	SS CPFF	CUBIC DEFENSE APPS, INC, SAN DIEGO, CA	1.783	1.673	12/04	2.610	11/05				6.066	6.0
SUBTOTAL PRODUCT DEVELOPMEN			1.783	1.673		2.610					6.066	
Remarks:												
SUPPORT												
Integrated Logistics Sup	SS CPFF	CUBIC DEFENSE APPS, INC, SAN DIEGO, CA				1.062	1/06	.511	TBD		1.573	1.5
Integrated Logistics Sup		VARIOUS	.230	.158	VARIOUS					1.733	2.121	
Software Development		CUBIC DEFENSE APPS, INC, SAN DIEGO, CA	1	1.242	12/04		1/06	4.531	TBD	30	9.328	9.3
Software Development		CUBIC DEFENSE APPS, INC, SAN DIEGO, CA				1 01000	.,			19.746		19.7
SUBTOTAL SUPPORT	00 0		.230	1.400		4.617		5.042		21.479		
TEST & EVALUATION	VA BIOLIO	LANDIO LO		407	\/A BIOLIO	100	VA DIOLIO		VA BIOLIO	200	4.007	
Dev Test & Eval - ETS (NON-FFRDC)		VARIOUS		.137	VARIOUS			.260		.980	1.807	
Dev Test & Eval - Reimb Fld Spt		NAWCAD, PATUXENT RIVER MD	.082	1.309	10/04		1/06	.482	TBD		3.868	
Dev Test & Eval - Reimb Fld Spt	VARIOUS	VARIOUS		.430	VARIOUS		VARIOUS			1.600	2.460	
SUBTOTAL TEST & EVALUATION			.082	1.876		2.855		.742		2.580	8.135	
Remarks:												
MANAGEMENT												
Contractor Eng Sup		CUBIC DEFENSE APPS, INC, SAN DIEGO, CA	.040			4.225	1/06	.650			4.915	4.9
Contractor Eng Sup		VARIOUS	 			.200		.200		3.050	3.450	
Government Eng Sup		NAWCAD, Pax River MD	.267		VARIOUS			.880		2.740	7.237	
Program Mgmt Sup		NAWCAD, Pax River MD	.187	.130	VARIOUS		VARIOUS	.085		.294	.981	
Program Mgmt Sup		TSD Orlando FL		.139	11/04		11/05	.135	11/06	.405	.829	
Travel	ТО	NAVAIR HQ, PATUXENT RIVER, MD	.055	.002	10/04	l .					.057	
SUBTOTAL MANAGEMENT			.549	2.519		5.962		1.950		6.489	17.469	
Remarks:		I	I									
Total Cost			2.644	7.468		16.044		7.734		30.548	64.438	
Remarks:	•		•			•		-	•			

EXHIBIT R4, Schedule Prof																		1					DATE:			Febru	ıary 2	2006		
APPROPRIATION/BUDGET ACT							PROGE																MAN C		(TO-	۵)				
RDT&E, N /	BA-7						020457	1N C	onsolic	ated 1	rainin	g Syst	ems D	evelop	ment				3093 7	actica	I Comb	oat Tra	aining S	System	(TCT	S)				
Fiscal Year				200	05			200	06			200	07	ı		20	08			200)9			201	10			201	1	
Acquisition Milestones			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
ORD Approval Phase 1 MS C Oct 03 Phase 2 MS B Oct 03					Phase	e 4 M	S B	Pha:	se 2 M se 3 M	S C S B		Pt _	ase 3	MS C																
Acquisition Phase Phase 1 NDI - Transportable (GS, AS] S)																													
Phase 2 Internal Subsystem (IS) Phase 3 Rack Mounted Subsystem (Phase 4 Advanced Datalink	RS)							ţ		I				I I			I	I	I								I			
Phase 4 Advanced Datalink Phase 5 Battle Group Internal Subsystem Dev						[I	
Rack Mounted Subsystem Dev								Ţ																						
Ground Subsystem Dev																														
Test & Evaluation Milestones																														
Phase 1 (NDI) DTC1-1, DTC1-2/DT Phase 2 DTB2-1, 2-2A, 2B, DTC2- Phase 3 DTB3-1, 3-2		-1																												
Production Milestones			LRIP										FRP /																	
Phase 1 NDI - Transportable (GS, AS	S)	4						ř	\ LRI	P			FRP 2	/																
Phase 2 Internal Subsystem (IS) Phase 3 Rack Mounted Subsystem (RS)				4	\ L	RIP	¥	,_,				FRP /																	
Phase 4 Advanced Datalink																														
Deployments																														
IOC							Key M	loct			C)	√ /W-5	Vuma																	

Exhibit R-4a, Schedule Detail						DATE:		
						Fe	ebruary 200	6
APPROPRIATION/BUDGET ACTIVITY	PROGRAM EL	.EMENT			PROJECT NU	MBER AND N	AME	
RDT&BA-7	0204571N Cor	solidated Trai	ning Systems [Development	3093 Tactical	Combat Trainir	ng System (TC	TS)
Schedule Profile		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
ORD Approval								1
Phase 1 NDI - Transportable (GS, AS)		1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q
Phase 2 Internal Subsystem (IS)		1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q
Phase 3 Rack Mounted Subsystem (RS)			3Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q
Phase 4 Advanced Datalink			1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q
Phase 5 Battle Group							1Q-4Q	1Q-4Q
Phase 1 MS C								
IOC Key West			2Q					
Phase 2 MS B								
Phase 2 MS C			3Q					
IOC CVW-5				2Q				
Phase 3 MS B			3Q					
Phase 3 MS C				3Q				
IOC Yuma				3Q				
Phase 4 MS B			1Q					
Phase 1 DT/OT				1Q-2Q				
Phase 2 DT/OT		4Q	1Q-4Q	1Q				
Phase 3 DT/OT			4Q	1Q				

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	EXHIBIT	R-2a, RDT&E	Project Justific	cation					DATE: February 2006
APPROPRIATION/BUDGET ACTIVITY		PROGRAM EI	EMENT NUM	BER AND NAM	ИΕ		PROJECT NU	IMBER AND N	,
RDT&E, N /	BA 7	0204571N, CC	ONSOLIDATE	TRAINING S	YSTEMS DEV	ELOPMENT	9999, Congres	ssional Adds	
COST (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		
9999 Congressional Adds		2.000							
RDT&E Articles Qty									

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

3087 Congressional Plus up of \$1M provided for Total Ship Training System to analyze requirements, design, develop and deliver a functional prototype with related documentation for elements of TSTS. Prototypes of the various TSTS hardware and software subsystems will be designed and documented in a design specification including, Personnel Management subsystem, Communication Audio Capture subsystem, and the Video Capture subsystem.

9794 The Sea Target Laser Aim Scoring System (STLASS) provides real-time, quantitative feedback on critical aspects of laser guided weapon employment not currently available from existing Navy laser scoring systems. This feedback has been proven to significantly improve flight crew weapon delivery capabilities during nearly a decade of use by the U.S. Army. The system consists of three major components: A Base Station, Target Kit and Aircraft Flight Data Unit. STLASS will be adapted to existing Navy seaborne targets to support Navy H-60 armed helicopter training and readiness events requiring laser scoring capability.

	EXHIB	BIT R-2a, RDT&I	E Project Justif	ication			DATE:	
								February 2006
APPROPRIATION/BUDGET ACTIVITY		PROGRAM E	ELEMENT NUI	MBER AND NAME		PROJECT NUM	BER AND NAME	
RDT&E, N /	BA 7	0204571N, C	ONSOLIDATE	D TRAINING SYST	EMS DEVELOPMENT	9999, Congressi	onal Adds	
B. ACCOMPLISHMENTS / PLANNED PROGRAM:								
3087 Total Ship Training System (TSTS)	FY 2005	FY 2006	FY 2007	T 1				
Accomplishments / Effort / Sub-total Cost		1.000)					
	ated documentation for							
RDT&E Articles Qty Design and develop a functional prototype with rela		elements of TST	S.					
RDT&E Articles Qty Design and develop a functional prototype with rela 9794 STLASS	FY 2005	elements of TST	S. FY 2007					
Accomplishments / Effort / Sub-total Cost RDT&E Articles Qty Design and develop a functional prototype with rela 9794 STLASS Accomplishments / Effort / Sub-total Cost RDT&E Articles Qty		elements of TST	S. FY 2007					
RDT&E Articles Qty Design and develop a functional prototype with rela 9794 STLASS Accomplishments / Effort / Sub-total Cost RDT&E Articles Qty	FY 2005	elements of TST FY 2006 1.000	S. FY 2007					
RDT&E Articles Qty Design and develop a functional prototype with rela 9794 STLASS Accomplishments / Effort / Sub-total Cost	FY 2005	elements of TST FY 2006 1.000	S. FY 2007	nd flight data unit to I	Navy H-60 configuration	requirements.		