EXHIBIT R-2, RDT&E Budget Item Justification							DATE:	
•							Februar	y 2006
APPROPRIATION/BUDGET ACTIVITY						R-1 ITEM NOMENC	LATURE	
RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY /		В	A 7			0205633N, AVIATIO	N IMPROVEMENTS	3
COST (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	
Total PE Cost	75.417	94.928	71.612	66.503	67.900	67.889	69.446	
0601 COMMON GROUND EQUIPMENT	2.547	2.962	3.051	3.158	3.226	3.301	3.378	•
0852 CONSOLIDATION AUTOM SPT SYS	5.226	6.674	6.880	7.134	7.315	7.367	7.480	
1041 ACFT EQ REL/MAINT PROG	2.509	2.909	2.997	2.278	2.757	2.789	2.844	•
1355 A/C ENG COMP IMP (CIP)	50.431	67.778	58.684	53.933	54.602	54.432	55.744	•
9109 A/C AGE EXPLORATION	2.887							
9426 AUTOMATED WIRE ANALYSIS	4.149							
9427 DIGITAL INTEGRATED COCKPIT DISPLAY *	.968							
9628 CORROSION INHIBITING COATINGS	1.361							
9629 NANO-COMPOSITE HARD-COAT FOR AIRCRAFT	2.227							
9630 CENTRER FOR DEFENSE SUSTAINMENT	.977							
9631 DEV. OF NEXT GENERATION TECH. FOR THE	2.136							
9999 CONGRESSIONAL ADDS		14.605						
								·

Project 0601 - Common Ground Equipment is a Naval Aviation Project to apply new technology to common support equipment necessary to support multiple aircraft.

Project 0852 - Consolidated Automated Support System (CASS) is a standardized Automated Test Equipment (ATE) with computer assisted, multi-function capabilities to support the maintenance of aircraft subsystems and missiles.

Project 1041 - Aircraft Equipment Reliability/Maintainability Improvement Program (AERMIP) is the only Nawy program that provides engineering support for in-service out-of-production aircraft equipment, and provides increased readiness at reduced operational and support cost.

Project 1355 - Aircraft Engine Component Improvement Program (CIP) develops reliability and maintainability (R&M) and safety enhancements for in-service Nawy aircraft engines, transmissions, propellers, starters, auxiliary power units, electrical generating systems, fuel systems in the systems of the system of the system of the systems of the system of

Project 9109 - Áircraft Age Exploration Model for Naval Aircraft platforms. The model will use existing Naval Aircraft data to establish connections between age and reliabilty, maintainability, and readiness and will provide the Navy with a valuable tool for understanding, predicting, and communicating impacts of decisions to be extend aircraft service lives and for mitigating risks associated with these decisions. This is a continuation of efforts initiatied in FYQ2 to add enhanced functionality to include automatic identification of reliability degredation items and automatic tracking of actuals against model generated predictions. Project 9426 - Current practices have technicians perform electrical testing on aircraft using both manual and automated methods. Once a short or open is found using existing test equipment, the technician must then find the physical location of the fault, one wire at a time, using pin-to-pin tests with handheld multi-meters and visual inspection. This generally involves at least two individuals connecting leads to each end of a wire to be tested. This is a slow process and reactive in nature. New commercial technology that incorporates Standing Wave Reflectometry (SWR) can proactively identify all hard faults (e.g. shorts and opens) of wiring malfunctions from a single end wire test, verify system modifications, and localize aircraft wiring malfunctions to within inches. This capability does not exist in the U.S. Navy today. A single wiring analyzer can serially test up to 1,152 wires at a time and the system can be expanded to test up to a maximum of 128,000 test points. This effort is to develop, validate and qualify this capability for Naval Avaition applications.

Project 9427 - The TH-57 Helicopter is the Nawy's only primary helicopter pilot training platform, and is expected to remain in that capacity until 2025. All Nawy fleet helicopters will have digital cockpits by 2012. To remain viable as an effective training platform, which meets the training requirements of an all digital helicopter fleet, the TH-57 cockpit can best utilize a digital design to effect greater aircraft training utilization. Research and Development funds will be utilized to produce a product that keeps pace with the rapidly changing fleet helicopter pilot training requirements and provides increased hard landing/crash and exceedence warning system protection to aircrews. The following areas will be explored: Requirement Analysis, Cost Estimation, Crew Systems/Human System Integration, Logistics Support Analysis, and Aircraft Integration.

Project 9428 - The NAVAIR Technology Commercialization Initiative is an effort to transition commercial technology for Naval Avaition Applications.

Project 9628 - The Corrosion Inhibiting Coatings initiative is an effort to develop and test a conductive polymer coating for increased corrosion resistance.

Project 9629 - The Nano-Composite Hard-Coat for Aircraft Canopies initiative is an effort to develop and test improved canopy coating materials.

Project 9630 - The Center for Defense Sustainment Technology initiative is an effort to support the Joint Council on Aging Aircraft (JCAA) National Strategy efforts in the Cost of Aging, obsolescence management and rotocraft dynamic component technologies.

Project 9631 - Development of Next Generation Technology for the Inspection of Aircraft Engines, Diagnostics and Repair will lead to the development of a next generation Common Video Borescope Set to support the fleet maintenance requirement to inspect internal components of aircraft engines and airframes for defects. The goals of this effort are to address deficiencies in the current inspection equipment by improving sunvivability, reducing proliferation/inventory, reducing maintenance costs, improving training and reliabilty, providing an upgradeable design, and maximizing commonality of inspection between the Organizational and Intermediate levels of maintenance.

Project 9999 Congressional Adds.

*The Department of the Navy has determined that funding is not required.

Totals may not add due to rounding.

	EXHIBIT	R-2a, RDT&E	Project Justific	cation					DATE:
									February 2006
APPROPRIATION/BUDGET ACTIVITY		PROGRAM EL	EMENT NUM	BER AND NAM	1E		PROJECT NU	MBER AND N	IAME
RDT&E, N /	BA 7	0205633N, AV	IATION IMPR	OVEMENTS			0601, COMMO	ON GROUND I	EQUIPMENT
COST (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		
W0601 COMMON GROUND EQUIPMENT	2.547	2.962	3.051	3.158	3.226	3.301	3.378		
RDT&E Articles Qty	1	1	1						

Common Ground Equipment is a Naval Aviation Project to apply new technology to common support equipment necessary to support multiple systems/aircraft within the Navy. The common support equipment items developed with this budget is briefed to the Air Force, Army and Coast Guard for possible use in joint procurement in the production phase.

The items procured with this budget are new technology items that are required to meet fleet aircraft requirements in both testing and loading of aircraft systems.

	EXHIE	SIT R-2a, RDT&E Project Justification		DATE:
				February 2006
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND N	AME
RDT&E, N /	BA 7	0205633N, AVIATION IMPROVEMENTS	0601, COMMON GROUND E	EQUIPMENT

B. ACCOMPLISHMENTS / PLANNED PROGRAM:

TETI	FY 2005	FY 2006	FY 2007	
Accomplishments / Effort / Sub-total Cost		1.200	1.651	
RDT&E Articles Qty				

Turboprop Engine Test Instrumentation (TETI) - The Turboprop Engine Test Instrumentation (TETI) program objective is to provide an integrated computer based measurement and automation system for Intermediate Maintenance level testing of Navy/Marine Turboprop engines. The acquisition approach is to develop, acquire, validate, deploy and support production configurations of TETI and Test Program Sets (TPS), utilizing the existing Jet Engine Test Initiative (JETI) technology, and integrate this capability into existing land based engine test systems. This enhanced capability will allow for full performance engine testing of the T56 Series Turboprop engines. An ECP will be developed to upgrade the existing engine test systems.

NGMH	FY 2005	FY 2006	FY 2007	
Accomplishments / Effort / Sub-total Cost	2.453	1.762	1.400	
RDT&E Articles Qty	1	1	1	

Next Generation Munitions Handler (NGMH) - R&D program to develop robotic weapons loader for both ship and shore with primary focus on targeting future weapons and aircraft. Plan is to support CVNX initiatives and to back-fit current CVs and amphibious ships. Utilize technology features developed under NGMH program. One Lab prototype will upload/download munitions in support of seabased axiation, specifically the CVN-21 environment. It will be a self-powered diesel/electric unit with human amplification technology. Newly developed high-torque electric actuator/motors will provide the robotics. Variable geometry Ilonator wheels will provide the mobility for the vehicle. Self-diagnostics for mainteance analysis will be included for the design.

SETI	FY 2005	FY 2006	FY 2007	
Accomplishments / Effort / Sub-total Cost	.094			
RDT&E Articles Qty				

Shaft Engine Test Instrumentation (SETI) - Program objective is to provide an integrated computer based measurement and automation system for Intermediate Maintenance level testing of Navy/Marine Turbo shaft engines. The acquisition approach is to develop, acquire, validate, deploy and support production configurations of SETI and Test Program Sets (TPS), utilizing the existing Jet Engine Test Initiative (JETI) technology, and integrate this capability into existing land based (A/E372T-24) and (A/F37T-16) engine test systems. This enhanced capability will allow for full performance engine testing of the T58, T64, and T700 Turbo shaft engines. An ECP will be developed to upgrade the existing engine test systems.

	EXHIBIT	R-2a, RDT&E I	Project Justification	DATE: February 2006
PPROPRIATION/BUDGET ACTIVITY		PROGRAM EL	EMENT NUMBER AND NAME	PROJECT NUMBER AND NAME
DT&E, N /	BA 7	0205633N, AVI	ATION IMPROVEMENTS	0601, COMMON GROUND EQUIPMENT
PROGRAM CHANGE SUMMARY				
Funding:	FY 2005	FY 2006	FY 2007	
Previous President's Budget:	2.626	3.007	2.812	
Current President's Budget:	2.547	2.962	3.051	
Total Adjustments	-0.079	-0.045	0.239	
Summary of Adjustments				
Congressional Reductions				
Congressional Rescissions				
S .	0.000	0.024		
Congressional Undistributed Reductions	-0.009	-0.031		
Congressional Increases	0.001	0.044	0.040	
Economic Assumptions	0.074	-0.014	0.016	
Miscellaneous Adjustments	-0.071		0.223	
Subtota	I -0.079	-0.045	0.239	
original schedule was determined to unrealistic. The so Milestone A was mistakenly included on the FY06/07 P through a Milestone A.	chedule change President's budg	will allow the p get, and has be	program to be executed much more effer en eliminated. As TETI is a spinoff of the	mately two quarters. After the early planning meetings for the TETI program, the ctively, including early obligation and expenditure of the program RDT&E funds. wo other engine test system programs (JETI and SETI), there is no need to go
Acquisition, testing and production milestones adjusted original schedule was determined to unrealistic. The sc Milestone A was mistakenly included on the FY06/07 F through a Milestone A. Due to the anticipated complexity of the NGMH, and the	chedule change President's budg e potential for the equire the produ	will allow the p get, and has be ne production co action contracto	orogram to be executed much more effer en eliminated. As TETI is a spinoff of the contract award going to a different contract r to build and successfully performance	ctively, including early obligation and expenditure of the program RDT&E funds.
Acquisition, testing and production milestones adjusted original schedule was determined to unrealistic. The so Milestone A was mistakenly included on the FY06/07 F through a Milestone A. Due to the anticipated complexity of the NGMH, and the additional time was incorporated into the schedule to re-	chedule change President's budg e potential for the equire the produ	will allow the p get, and has be ne production co action contracto	orogram to be executed much more effer en eliminated. As TETI is a spinoff of the contract award going to a different contract r to build and successfully performance	ctively, including early obligation and expenditure of the program RDT&E funds. wo other engine test system programs (JETI and SETI), there is no need to go actor than the original developer (Foster Miller Corporation),
Acquisition, testing and production milestones adjusted original schedule was determined to unrealistic. The so Milestone A was mistakenly included on the FY06/07 F through a Milestone A. Due to the anticipated complexity of the NGMH, and the additional time was incorporated into the schedule to re-	chedule change President's budg e potential for the equire the produ	will allow the p get, and has be ne production co action contracto	orogram to be executed much more effer en eliminated. As TETI is a spinoff of the contract award going to a different contract r to build and successfully performance	ctively, including early obligation and expenditure of the program RDT&E funds. wo other engine test system programs (JETI and SETI), there is no need to go actor than the original developer (Foster Miller Corporation),
Acquisition, testing and production milestones adjusted original schedule was determined to unrealistic. The so Milestone A was mistakenly included on the FY06/07 F through a Milestone A. Due to the anticipated complexity of the NGMH, and the additional time was incorporated into the schedule to re-	chedule change President's budg e potential for the equire the produ	will allow the p get, and has be ne production co action contracto	orogram to be executed much more effer en eliminated. As TETI is a spinoff of the contract award going to a different contract r to build and successfully performance	ctively, including early obligation and expenditure of the program RDT&E funds. wo other engine test system programs (JETI and SETI), there is no need to go actor than the original developer (Foster Miller Corporation),
Acquisition, testing and production milestones adjusted original schedule was determined to unrealistic. The sc Milestone A was mistakenly included on the FY06/07 F through a Milestone A. Due to the anticipated complexity of the NGMH, and the additional time was incorporated into the schedule to re	chedule change President's budg e potential for the equire the produ	will allow the p get, and has be ne production co action contracto	orogram to be executed much more effer en eliminated. As TETI is a spinoff of the contract award going to a different contract r to build and successfully performance	ctively, including early obligation and expenditure of the program RDT&E funds. wo other engine test system programs (JETI and SETI), there is no need to go actor than the original developer (Foster Miller Corporation),
Acquisition, testing and production milestones adjusted original schedule was determined to unrealistic. The sc Milestone A was mistakenly included on the FY06/07 F through a Milestone A. Due to the anticipated complexity of the NGMH, and the additional time was incorporated into the schedule to re-	chedule change President's budg e potential for the equire the produ	will allow the p get, and has be ne production co action contracto	orogram to be executed much more effer en eliminated. As TETI is a spinoff of the contract award going to a different contract r to build and successfully performance	ctively, including early obligation and expenditure of the program RDT&E funds. wo other engine test system programs (JETI and SETI), there is no need to go actor than the original developer (Foster Miller Corporation),

	EXHIBIT	R-2a, RDT&E I	Project Justifica	DATE:	DATE: February 2006					
APPROPRIATION/BUDGET ACTIVITY RDT&E, N /		PROGRAM ELI 0205633N, AVI	_		E		PROJECT NUMBE 0601, COMMON G	R AND NAME ROUND EQUIPMENT	,	
D. OTHER PROGRAM FUNDING SUMMARY:	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complet	e Total Cost	
APN 070500 Ground Support Equipment Related RDT&E: Not Applicable	221.065	191.086	176.362	172.941	162.476	165.849	169.639	Continuir	g Continuing	

E. ACQUISITION STRATEGY:

This is a non-ACAT program. Field activities propose tentative RDT&E projects. Internal panel merits and selects projects. Field activities develop projects and submit results. Operational Advisory Group (OAG) process selects projects to transition to procurement.

Exhibit R-3 Cost Analysis (page 1)									DATE:	Februa	ry 2006	
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT				PROJECT N	NUMBER AN	ID NAME	I		.,	
	BA 7	0205633N, AVIATION IMPROVEMENTS					MON GROU		IENT			
,	Contract	,										Target
	Method &		Total PY s	FY 2005	FY 2005	FY 2006	FY 2006	FY 2007	FY 2007	Cost to		Value of
Cost Categories	Type	Performing Activity & Location	Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Complete	Total Cost	Contract
PRODUCT DEVELOPMENT		,								•		
Primary Hdw Development-NGMH	C-FFP	FOSTER-MILLER INC, WALTHAM, MA		1.712	3/31/2005	1.265	3/31/2006				2.977	2.97
Primary Hdw Development-NGMH	VARIOUS	TBD	17.112					.913	3/31/2007	Continuing	Continuing	
Primary Hdw Development-SETI	C-FFP	RACAL INSTRUMENTS INC, IRVINE, CA		.094	5/5/2005					_	.094	.09
Primary Hdw Development-TETI	VARIOUS	VARIOUS				.694	VARIOUS	.815	3/31/2007	Continuing	Continuing	
Systems Eng-NGMH	VARIOUS	VARIOUS	.466			.282	VARIOUS	.327	3/31/2007	Continuing	Continuing	
Systems Eng-TETI	VARIOUS	NAWCAD, LAKEHURST, NJ				.282	3/31/2006	.427	3/30/2007	Continuing	Continuing	
SUBTOTAL PRODUCT DEVELOPMEN			17.578	1.806		2.523		2.482		Continuing	Continuing	
Remarks:												
SUPPORT												
Develop Support Equip-NGMH	VARIOUS	VARIOUS	6.151	.741	VARIOUS	.015	VARIOUS	.015	VARIOUS	Continuing	Continuing	
Integrated Logistics Sup-NGMH		VARIOUS	.060		12/31/2004		12/31/2005		12/31/2006		Continuing	
Integrated Logistics Sup-TETI		VARIOUS	1000		VARIOUS		VARIOUS	.030			Continuing	
Software Development-TETI		NAWCAD, LAKEHURST, NJ			v/ ii (i 0 0 0		12/30/2005			Continuing		
Studies & Analyses-NGMH		VARIOUS	.030		VARIOUS		VARIOUS		VARIOUS		Continuing	
Studies & Analysis -TETI		NAWCAD, LAKEHURST, NJ			***********		12/31/2005		12/29/2006		Continuing	
SUBTOTAL SUPPORT	771111000	TO WOOLD, EXILETION OF, INC	6.241	.741		.119		.120			Continuing	
TEST & EVALUATION Dev Test & Eval-NGMH Dev Test & Eval-TETI		VARIOUS TBD	.060				VARIOUS	.184	12/31/2006		Continuing	
SUBTOTAL TEST & EVALUATION			.060			.155		.284		Continuing	Continuing	ĺ
Remarks: MANAGEMENT		I	T				Γ		T	T		Т
Contractor Eng Sup-TETI	VARIOUS	VARIOUS	.025			025	VARIOUS	.025	VARIOUS	Continuing	Continuing	—
Government Eng Sup-TETI		VARIOUS	.060				VARIOUS			Continuing		——
Program Mgmt Sup-TETI		TBD	.000				12/15/2005		12/15/2006		Continuing	
Travel-TETI		NAVAIRHQ, PAX RIVER, MD	.073				VARIOUS		VARIOUS		Continuing	—
SUBTOTAL MANAGEMENT	.0	TO THE TOTAL PROPERTY OF THE PARTY OF THE PA	.160			.165		.165			Continuing	
Remarks:			1 .100			.100		.100		T Containing	Continuing	
Total Cost			24.039	2.547		2.962		3.051		Continuing	Continuing	
Remarks:							ı			,	,	

CLASSIFICATION:																												
EXHIBIT R4, Schedule																					DATE	:	F	ebrua	ary 20	06		
APPROPRIATION/BUDGET	Γ ACTIVI	TY			PRO	GRAM	ELEM	ENT N	UMBE	R AND	NAM C	E					PROJ	ECT N	IUMBE	R ANI	D NAM	1E						
RDT&E, N /					02056	633N A	Aviation	n Impro	vemer	nts							0601	Comm	on Gro	und E	auipm	ent						
Fiscal Year		20	05				006			20	07			20	08			20				20	10			20	11	
	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 TETI								MS B											MS C		FRP DECIS	SION						
Prototype Phase													P	rototyp	pe Pha	se	<u> </u>											
Radar System Development																												
EDM Radar Delivery																												
Software 1XXSW Delivery 2XXSW Delivery																												
Test & Evaluation Milestones TETI Development Test Operational Test											De	evelopi	mental	Testir		eratio	nal Tes	sting										
Production Milestones TETI																												
FRP FY 10																				FF	AP Sta	rt						

CLASSIFICATION:																												
EXHIBIT R4, Schedule	Profile																				DATE	<u>:</u>	F	ebrua	arv 20	006		
APPROPRIATION/BUDGET	ACTIVIT	ΓΥ			PROG	RAM	ELEMI	ENT NU	JMBEI	R AND	NAME						PROJ	ECT N	IUMBE	R AND	D NAM	E			,			
RDT&E, N /					02056	33N A	viation	Impro	vemer	nts							0601											
Fiscal Year		200)5			20				20	07			20	08			20				20	10			20	11	
	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 NGMH								MS B								MS C						FRP DECIS	SION					
Prototype Phase			Pro	ototype	Phase	Э	<u> </u>																					
Radar System Development																												
EDM Radar Delivery																												
Software 1XXSW Delivery 2XXSW Delivery																												
Test & Evaluation Milestones NGMH																												
Development Test					Develo	pmen	tal Tes	ting		┙																	1	1
Operational Test											Ope	rationa	l Testi	ng														
Production Milestones NGMH																LRIP(:	3)											_
FRP FY 10																					FRI	Start						
Deliveries NGMH																			L	RIP (3	3)							

CLASSIFICATION:							
Exhibit R-4a, Schedule Detail					DATE:		
					F	ebruary 20	06
APPROPRIATION/BUDGET ACTIVITY				PROJECT NU	MBER AND N	AME	
RDT8BA-7				0601 Commor	Ground Equip	ment	
Schedule Profile - TETI	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Prototype Phase			2Q-4Q	1Q-4Q	1Q-3Q		
Milestone B		4Q					
Developmental Testing			3Q-4Q	1Q-3Q			
Milestone C (MS C)					3Q		
Operational Testing				3Q-4Q	1Q-3Q		
Full Rate Production Decision						1Q	
Full Rate Production Start						1Q	

Exhibit R-4a, Schedule Detail					DATE:		
					F	ebruary 20	06
PPROPRIATION/BUDGET ACTIVITY				PROJECT NU	MBER AND N	AME	
RDT&BA-7				0601 Commor	Ground Equip	ment	
Schedule Profile - NGMH	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Prototype Phase	1Q-4Q	1Q-4Q					
Milestone B		4Q					
Developmental Testing	3Q-4Q	1Q-4Q	1Q-2Q				
Milestone C (MS C)				4Q			
Operational Testing			1Q-4Q	1Q-4Q			
Start Low-Rate Initial Production I (LRIP I)				4Q			
Low-Rate Initial Production I Delivery					4Q		
Full Rate Production Decision						2Q	
Full Rate Production Start						2Q	

	EXHIBIT	R-2a, RDT&E	Project Justific	cation					DATE:				
APPROPRIATION/BUDGET ACTIVITY		PROGRAM EL	LEMENT NUM	BER AND NAM	1E		PROJECT NU	MBER AND N	IAME				
RDT&E, N /	BA 7	0205633N, AV	IATION IMPR	OVEMENTS		0852, CONSOLIDATED AUTOM SPT SYS							
COST (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011						
W0852 CONSOLIDATED AUTOM SPT SYS	5.226	6.674	6.880	7.134	7.315	7.367	7.480						
RDT&E Articles Qty	1	1	1										

The Consolidated Automated Support System (CASS) project designs and develops modular automated test equipment with computer-assisted, multi-function test capability, standardized hardware, and standard software elements. CASS responds to Fleet Commanders' expressed requirements to correct serious deficiencies in existing automatic test equipment. Program objectives are: (1) increase material readiness; (2) reduce life cycle costs; (3) improve tester sustainability at depot and intermediate maintenance levels; (4) reduce proliferation of unique test equipment, and (5) provide test capability for existing and emerging avionics/electronics systems.

Technologies being developed include synthetic instruments, new Advanced Targeting Forward Looking Infrared (ATFLIR) electro-optics capability, multi-analog test capability to enable functional testing, and CASS station modernization elements.

	EXH	IIBIT R-2a, RDT&E Project Justification		DATE:				
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND N	IAME				
RDT&E, N /	BA 7	0205633N, AVIATION IMPROVEMENTS	0852, CONSOLIDATED AU	TOM SPT SYS				

B. ACCOMPLISHMENTS / PLANNED PROGRAM:

CASS Modernization Development	FY 2005	FY 2006	FY 2007	
Accomplishments / Effort / Sub-total Cost	4.368	2.364	4.458	
RDT&E Articles Qty				

CASS Modernization Development

Develops and integrates the technologies that will comprise the Modernization Program for the early lots of CASS stations which will be modernized and updated to current testing technologies while maintaining full compatibility with the legacy test program sets. Technologies include: downsized and scalable packaging techniques, multi-lingal runtime capability, interoperability framework and architectures, diagnostics data handling, virtual/synthetic/next-generation instrument concepts and the Agile Rapid Global Combat Support (ARGCS) Advanced Concept Technology Demonstration (ACTD).

Electro-Optic Capability	FY 2005	FY 2006	FY 2007	
Accomplishments / Effort / Sub-total Cost	.830	2.190	.320	
RDT&E Articles Qty				

Electro-Optic Capability

Develops a downsized electro-optic support system to enable Reconfigurable Transportable CASS (RTCASS) to provide support for Marine Air FLIR and LASER Targeting systems.

CASS Station Upgrades	FY 2005	FY 2006	FY 2007	
Accomplishments / Effort / Sub-total Cost	.028	2.120	2.102	
RDT&E Articles Qty				

CASS Station Upgrades

Provides technologies for upgrading CASS station test capability to test emerging weapon system requirements. Includes development of new test capability and extending existing test range accuracies in the time and frequency domain. Specifically to support low-frequency analog/digital, electro-optic, and radio frequency (RF) emerging weapon systems.

	EXHI	BIT R-2a, RDT&E Project Justification		DATE:					
				February 2006					
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND N	AME					
RDT&E, N /	BA 7 0205633N, AVIATION IMPROVEMENTS 0852, CONSOLIDATED AU								

	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	0205633N, AV	IATION IMPROVEMENTS	0852, CONSOLIDATED AU	TOM SPT SYS
C. PROGRAM CHANGE SUMMARY					
Funding:	FY 2005	FY 2006	FY 2007		
Previous President's Budget:	5.406		6.356		
Current President's Budget:	5.226	6.674	6.880		
Total Adjustments	-0.180	-0.102	0.524		
Summary of Adjustments Congressional Reductions Congressional Rescissions Congressional Undistributed Reductions	-0.103	-0.071			
Congressional Increases	0.001				
Economic Assumptions		-0.031	0.036		
Miscellaneous Adjustments	-0.078		0.488		
Subto	otal -0.180	-0.102	0.524		
Schedule: The schedule was amended to add eCASS	which is the name	of the new mo	dernized CASS stations. The point of ARGCS	S is to demonstrate the test technologies th	at will be used in eCASS.
Technical:					
Not Applicable					

	EXHIBIT	R-2a, RDT&E	Project Justifica	ation				DATE:	DATE: February 2006				
APPROPRIATION/BUDGET ACTIVITY RDT&E, N /		PROGRAM EL 0205633N, AVI	PROJECT NUMBER 0852, CONSOLIDAT	BER AND NAME DATED AUTOM SPT SYS									
D. OTHER PROGRAM FUNDING SUMMARY:	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Cost				
APN 070500 CASS Related RDT&E: Not Applicable	76.617	75.059	79.720	82.250	83.935	85.675	97.630	Continuing	Continuing				
F ACQUISITION STRATEGY:													

Formal test technology reviews with industry are conducted annually (cooperative Joint Services initiative) to define maturity of needed technologies. Further studies are conducted as needed. Procurement strategy is determined by market survey and cooperative opportunities.

Exhibit R-3 Cost Analysis (page 1)									DATE:	Februa	ary 2006	
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT				PROJECT N	NUMBER AN	ID NAME	1	1 00140	ary 2000	
RDT&E, N /	BA 7	0205633N, AVIATION IMPROVEMENTS					SOLIDATED		T SYS			
	Contract	020000011,711111111111111111111111111111				0002, 00.11	1	1010110				Target
	Method &		Total PY s	FY 2005	FY 2005	FY 2006	FY 2006	FY 2007	FY 2007	Cost to		Value of
Cost Categories		Performing Activity & Location	Cost		Award Date	Cost	Award Date		Award Date		Total Cost	Contract
PRODUCT DEVELOPMENT	Турс	l enorming Activity & Location	COSt	Cost	Award Date	0031	Award Date	0031	Award Date	Complete	Total Cost	Contrac
Primary Hdw Dev CASS EO	VARIOUS	VARIOUS	2.400	.830	VARIOUS	2.190	VARIOUS	320	VARIOUS	Continuing	Continuing	
Primary Hdw Dev CASS EO	C CDEE	NORTHROP GRUMMAN SYSTEMS CORP.	2.400	3.112		2.190	VARIOUS	.320	VARIOUS	Continuing	3.112	3.1
Filliary nuw Dev CASS Mou	C-CFFF	SYKESVILLE, MD		3.112	11/4/2004						3.112	3.1
Primary Hdw Dev CASS Mod	C CDEE	BOEING, ST LOUIS, MO				1.314	11/4/2005	3 006	11/4/2006	Continuing	Continuing	
Primary Hdw Dev CASS Mod Primary Hdw Development CASS Upgra		VARIOUS	23.111			1.522		1.283			Continuing	
SUBTOTAL PRODUCT DEVELOPMEN		VARIOUS	25.511	3.942		5.026		4.699			Continuing	
SUBTOTAL PRODUCT DEVELOPMEN	1		25.511	3.942		5.020		4.099		Continuing	Continuing	
Remarks:												
SUPPORT												
Develop Support Equip CASS Mod		NAWCAD, LAKEHURST NJ		.571	11/2/2004	1.050			11/4/2006	Continuing	Continuing	
Develop Support Equip CASS Upgrade:		VARIOUS	.250	.026	VARIOUS	.248	VARIOUS			Continuing	Continuing	
ETS (NON-FFRDC) CASS Mod	VARIOUS	VARIOUS		.389	VARIOUS			.310	VARIOUS	Continuing	Continuing	
SUBTOTAL SUPPORT			.250	.986		1.298		1.831		Continuing	Continuing	
TEST & EVALUATION SUBTOTAL TEST & EVALUATION												
Remarks:												
MANAGEMENT									1			
Travel CASS Mod	TO	NAVAIRHQ, PATUXENT RIVER MD	.974	.279	VARIOUS					Continuina	Continuing	
Travel CASS Mod (NATEC)		NAVAL TECHNICAL REPRESENTATIVE, HURST, TX		.017	VARIOUS					Continuing		
Travel CASS Upgrades (HQ)	TO	NAVAIRHQ, PATUXENT RIVER MD		.002	VARIOUS	.350	VARIOUS	.350	VARIOUS	Continuing	Continuing	
SUBTOTAL MANAGEMENT	i -	,	.974	.298		.350		.350			Continuing	
Remarks:	1		1 33.1				l .		I.	,	,g	
Total Cost			26.735	5.226		6.674		6.880		Continuing	Continuing	
Remarks:												

	Profile																				DATE	:		ebrua	ry 20	nne .		
APPROPRIATION/BUDGE	T ACTIVI	TY			PROG	SRAM	ELEM	ENT N	UMBE	R AND	NAM	E					PROJ	ECT N	IUMBE	R ANI	I D NAM	1E		ebiua	ii y 20	100		
RDT&E, N /					02056							_										Suppor	t Svste	em				
		20	05			20				20	07			20	008			20				20′				20	11	
Fiscal Year	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	
Acquisition Milestones ARGCS																												
Contract Award																												
System Development			Sy	stem C	Develop	pment																						
Testing												Te	esting															
eCASS												0		1														<u> </u>
Contract Award												Contra	ct Awa	u														1
System Development															1	Sys	tem De	velopi	ment									1
Testing																									Test	ing		
	\perp		igsquare	<u> </u>	\bigsqcup																							_

CLASSIFICATION: Exhibit R-4a, Schedule Detail DATE: February 2006 APPROPRIATION/BUDGET ACTIVITY PROGRAM ELEMENT PROJECT NUMBER AND NAME RDT8BA-7 0852 Consolidated Automated Support System 0205633N Aviation Improvements Schedule Profile - ARGCS FY 2005 FY 2006 FY 2007 FY 2008 FY 2009 FY 2010 FY 2011 Contract Award System Development 1Q-4Q 1Q-4Q 1Q 1Q-4Q 1Q-4Q Testing Schedule Profile - eCASS Contract Award 1Q System Development 1Q-4Q 1Q-4Q 1Q-2Q 2Q-4Q 1Q-4Q Testing

	EXHIBI ⁻	ΓR-2a, RDT&E	Project Justific	ation				DA	DATE: February 2006					
APPROPRIATION/BUDGET ACTIVITY	MBER AND NAME	Ε												
RDT&E, N /	Q REL/MAINT PRO	OG												
COST (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011							
1041 ACFT EQ REL/MAINT PROG	2.509	2.909	2.997	2.278	2.757	2.789	2.844							
RDT&E Articles Qty	DT&E Articles Qty													

AERMIP is the only Navy program which provides Research, Development, Test & Evaluation (RDT&E) engineering support specifically for in-service, out-of-production aircraft equipment. AERMIP increases readiness through Reliability and Maintainability (R&M) and safety improvements to existing systems and equipment installed in Naval aircraft. It also provides a transition vehicle to deploy Total Ownership Cost (TOC) reduction initiatives through flight-test support and Fleet Test & Evaluation. It meets affordable readiness objectives by providing a cost-effective solution to obsolescence problems encountered when service lives are extended. AERMIP promotes commonality and standardization across aircraft platform lines and among the services through extension of application and use of non-developmental items. AERMIP also decreases life cycle costs through reduced operational and support costs. AERMIP facilitates the Operational, Safety and Improvement Program by applying proven low-risk solutions to current fleet problems. AERMIP also funds high priority flight testing which is not associated with any acquisition or development program under the Flight Test General (FTG) task.

B. ACCOMPLISHMENTS / PLANNED PROGRAM:

	FY 2005	FY 2006	FY 2007
Accomplishments / Effort / Sub-total Cost		1.290	1.390
RDT&E Articles Qty			

AIR VEHICLE (B):

Qualify new commercially available state-of-the-art fire and thermal barrier materials. Qualification and implementation of advanced non-chrome primers with adequate corrosion protection properties. Perform field-testing and validation of the Office of Naval Research developed topcoat with enhanced durability so that it can last 8 years between repainting for approval for all Naval Aviation. Apply the latest sensor technology to develop an "after market" add-on fire bottle-monitoring device that affords immediate visible indication of bottle condition (go / no go). Incorporation of improved corrosion protection schemes while maintaining electrical and EMI performance will dramatically extend seal and surface life, reduce EMI degradation, and reduce corrosion maintenance cost. Field test and qualify for usage for all Naval Aviation an Office of Naval Research developed long-life CPC that can be effectively employed on a 308-day maintenance cycle. Opportunities and issues arise yearly that demand immediate attention to provide significant benefit or to avert an unanticipated problem. AERMIP actively pursues these issues and opportunities and responds quickly to implement a solution. Products are a qualified material or piece of equipment and the procedures/process required for its implementation.

	EXHIBI	DATE:	
			February 2006
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NAME
RDT&E, N /	BA 7	0205633N, AVIATION IMPROVEMENTS	1041, ACFT EQ REL/MAINT PROG
			<u>.</u>
	FY 2005	FY 2006 FY 2007	
Accomplishments / Effort / Sub-total Cost	2.509	1.619 1.607	
RDT&E Articles Qty			

AVIONICS AND WIRING (A):

Validate and transition Office of Naval Research (ONR) funded Smart Wire technology by conducting full aircraft flight test. Verify and validate a replacement Advanced Data Collection System that remotely downloads memory unit information for the AN/ASH-37(v) Structural Data Recording Set (SDRS). Test and perform the required changes to validate the ASW-27 as a replacement to the ASW-25. Perform the required testing to validate that the miniature version Arc Fault Circuit Breaker designed for fighter/attack aircraft and helicopters will work through system level Electro Magnetic Compatibility (EMC) and lighting events. Advance the Processor Maintainability efforts beyond the initial prototype stage to validate that accuracy of the developed common processes to ensure that reliability and maintainability issues caused by obsolescence components are identified and solutions options developed before the issues become critical. Replace ASQ-208 to reduce maintenance cost and inrease system readiness. Test and perform the required changes to validate a replacement APN-202 system. Opportunities and issues arise yearly that demand immediate attention to provide significant benefit or to avert an unanticipated problem. AERMIP actively pursues these issues and opportunities and responds quickly to implement a solution. Products are a qualified material or piece of equipment and the procedures/process required for its implementation.

	EXHIB	IT R-2a, RDT&E	Project Justifica	ation				DATE:	F-1
APPROPRIATION/BUDGET ACTIVITY RDT&E, N /	BA 7	PROGRAM EL 0205633N, AV			IE		PROJECT NUMBER AN 1041, ACFT EQ REL/MA	D NAME	February 2006
C. PROGRAM CHANGE SUMMARY									
Funding:	FY 2005	FY 2006	FY 2007						
Previous President's Budget:	2.05		3.013						
Current BES / President's Budget:	2.50		2.997						
Total Adjustments	0.45		-0.016						
Summary of Adjustments									
Congressional Reductions									
Congressional Rescissions									
Congressional Undistributed Reductions	-0.01								
Congressional Increases	0.00								
Economic Assumptions		-0.013	0.015						
Miscellaneous Adjustments	0.46		-0.031						
Su	ıbtotal 0.45	2 -0.044	-0.016						
Schedule: N/A									
Technical: N/A									
O. OTHER PROGRAM FUNDING SUMMARY:	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Cost
205633N, Aircraft Exploration Model Development, 910 205633N, Automated Wire Analysis, 9426 205633N, Corrosion Inhibiting Coatings, 9628	09								
205633N, Nano-Composite Hard-Coat for Aircraft Can	opies, 9629								
E. ACQUISITION STRATEGY: N/A									

Exhibit D. 2 Coot Applysic (page 1)									DATE:	Echrus	ry 2006	
Exhibit R-3 Cost Analysis (page 1) APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT				PROJECT NU	MDED AND NA	ME		rebiua	ily 2006	
RDT&E, N /	BA 7	0205633N, AVIATION IMPROVEMENTS				1041, ACFT E						
NDTGE, IV /		0203033N, AVIATION IIVII NOVEIVIENTO				1041, ACI 1 E	2 INCL/MAINT I	ROG				
	Contract		Total PY s		FY 2005		FY 2006		FY 2007	Cost to		T 1/-1
Cost Categories	Method & Type	Performing Activity & Location	Cost	FY 2005 Cost		FY 2006 Cost		FY 2007 Cost	Award Date	Cost to	Total Cost	Target Valu of Contrac
PRODUCT DEVELOPMENT	Турс	T Choming / Cuvity & Eccation	0031	1 1 2000 0031	7twara Date	1 1 2000 0031	7 twara bate	1 1 2007 0031	7tward Date	Complete	1 Otal Cost	OI CONTIGO
Systems Engineering	WX	NAWCAD, PATUXENT RIVER MD				1.165	3/1/2006	1.388	11/1/2006	4.916	7.469	
Systems Engineering		NAWCAD, PATUXENT RIVER MD				.989	3/1/2006	1.229	11/1/2006	3.037	5.255	
Systems Engineering		PRAYTHEON				.300	3/1/2006	.250	1/1/2007	2.105	2.655	2.65
Systems Engineering		P EAGAN MCALLISTER ASSOC INC				.200	3/1/2006	.200	1, 1,2001	2.100	.200	.20
SUBTOTAL PRODUCT DEVELOPMEN		External mortal and the control of t				2.654	0/1/2000	2.867		10.058	15.579	
Remarks: Systems Engineering Acc	omplishment A - Avioni	ice & Wiring, Systems Engineering Accomplishmer	nt B - Air Vehicle									
SUPPORT												
Studies & Analyses	WX	NADEP, SAN DIEGO CA		.068	10/31/2004	.125	3/1/2006				.193	
Studies & Analyses	WX	NAWCAD, PATUXENT RIVER MD	10.754	1.417	10/31/2004						12.171	
SUBTOTAL SUPPORT			10.754	1.485		.125					12.364	í
	1			1		1		1		1	I	Г
TEST & EVALUATION												
SUBTOTAL TEST & EVALUATION												
Remarks:												
MANAGEMENT												
Contractor Eng Sup - Direct Cite	SSFFP	RAYTHEON, IN	.900	.839	VARIOUS	.120	VARIOUS	.120	VARIOUS	.570	2.549	2.54
Program Mgmt Sup	WX	NAWCAD, PATUXENT RIVER MD	.120	.175	10/31/2004						.295	1
Travel	WX	NAWCAD, PATUXENT RIVER MD	.020	.010	10/31/2004	.010	11/30/2005	.010	11/30/2006	.040	.090	i
SUBTOTAL MANAGEMENT			1.040	1.024		.130		.130		.610	2.934	1
	oport costs are no longe	er required, as PM has been converted to EOB bills										
Total Cost			11.794	2.509		2.909		2.997		10.668	30.877	1
Total Cost Remarks:			11.794	2.509		2.909		2.997		10.668		30.877

CLASSIFICATION:																												
EXHIBIT R4, Schedule Profile																					DATE	:	F	EBRU	ARY 2	006		
APPROPRIATION/BUDGET ACTIVITY					PROG	RAM	ELEM	ENT N	IUMBE	R AN	D NAM	1E					PROJ	ECT N	IUMBE	R AN	D NAN	ИΕ						
RDT&E, N /	BA-7							n Impr																	. 5	(450	· ·	
RDT&E, N /	DA-7				02056	SSIN, I	Avialio	n impr	overne	inis			1				1041, A	ircraft E	quipmer	nt Kellat	oility/Ma	intainab	ility Impi	ovemen	t Progra	m (AER	MIP)	
Fiscal Year		FY	2005		FY 2006 FY 2007 FY 2008						FY 2	2009			FY 2010 FY 2011													
FISCALTEAL	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
Avionics and Wiring:																												
Smart Wire	_	+	+	=		 	+	=															<u> </u>					
Arc Fault Circuit Breaker					\vdash		 														!							
ASQ-208																												
APN-202 Improvement Program							1							1	 						1	1	t					
AN/ASH-37(V) Structural Data Recording Set (SDRS)	-1	t =		H =																	1	1	t					
Processor Maintainability Program	-	<u> </u>																					<u> </u>					
ASW-25 Replacement	_	-	 	 											$\vdash \equiv$							\vdash						H
Investigate High Value Return on Investment																												
involugate riigh value Retain on involunon																												
	-																											
Air Vehicle:																												
Corrosion Barriers Tapes and Films																												
Thermal Barrier Coating Improvement																												
Improved Firewall Materials					_																							
Advanced Non-Chrome Primers																												
Advanced Performance Topcoat					_																		1					
Imbedded Fire Bottle Condition Sensor																							1					
EMI Sealants and Coatings																												
Improved Corrosion Preventative Compounds																							1					
Investigate High Value Return on Investment																												
invooligato riigii value retuin on invoolinont	_	 																					 					
																						-	-					
	-	<u> </u>																				-	<u> </u>					
	_	1	1	<u> </u>			 							<u> </u>	1						_	 	1		-			_
		1	-				1								1						1	1	1					
	_																											
		1	-				1								1						1	1	1					
	-	<u> </u>	-	 			1							 	1						-	1	 		-			
	-	1	1	-			1							-	1							1	1					
-	-	<u> </u>	-	 			1							 	1						-	1	 		-			
		1	<u> </u>	-			1							<u> </u>	<u> </u>							1	<u> </u>					

khibit R-4a, Schedule Detail						DATE: FEBRU	ARY 2006
PROPRIATION/BUDGET ACTIVITY	PROGRAM EI	EMENT			PROJECT NU	MBER AND NA	ME
DT8BA-7		IATION IMPRO)/FMENTS		10/1 ACET EO E	REL/MAINT PROG	
				EV 2000			EV 2011
chedule Profile Avionics and Wiring:	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Smart Wire	1Q-4Q	1Q-4Q					
Arc Fault Circuit Breaker	10-40	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q		
ASQ-208	1Q-4Q	10,70	10,70	10.70	10, 10,		
APN-202 Improvement Program	1Q-4Q						
AN/ASH-37(V) Structural Data Recording Set (SDRS)	1 1 1 1 1	1Q-4Q	1Q-4Q	1Q-4Q			
Processor Maintainability Program		1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q
ASW-25 Replacement		1Q-4Q	1Q-4Q	1Q-4Q			
Investigate High Value Return on Investment	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q
Air Vehicle:							
Corrosion Barriers Tapes and Films	1Q-4Q						
Thermal Barrier Coating Improvement		1Q-4Q	1Q-4Q	1Q-4Q	10.10		
Improved Firewall Materials		1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q		
Advanced Non-Chrome Primers Advanced Performance Topcoat		1Q-4Q 1Q-4Q	1Q-4Q 1Q-4Q	1Q-4Q			
Imbedded Fire Bottle Condition Sensor		1Q-4Q 1Q-4Q	1Q-4Q 1Q-4Q				
EMI Sealants and Coatings	+	1Q-4Q 1Q-4Q	1Q-4Q 1Q-4Q	1Q-4Q			
Improved Corrosion Preventative Compounds		1Q-4Q	1Q-4Q	1Q-4Q	<u> </u>		
Investigate High Value Return on Investment	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q

	EXHIBIT	R-2a, RDT&E	Project Justific	cation				DATE:				
APPROPRIATION/BUDGET ACTIVITY		PROGRAM EL	EMENT NUMI	BER AND NAM	IE		PROJECT NU	JMBER AND NAME				
RDT&E, N /	BA 7	0205633N, AV	IATION IMPR	OVEMENTS			1355, A/C EN	G COMP IMP (CIP)				
COST (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011					
1355 A/C ENG COMP IMP (CIP)	50.431	67.778	58.684	53.933	54.602	54.432	55.744					
RDT&E Articles Qty												
								<u>l</u>				

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: The Aircraft Engine Component Improvement Program (CIP) provides the only source of critical design and development engineering support to resolve safety, reliability and maintainability deficiencies of in-service Nawy aircraft propulsion systems. The highest priority issues CIP addresses concern safety-of-flight deficiencies which account for approximately 80% of CIP efforts. The program also corrects service-revealed deficiencies, improves Operational Readiness (OR) and Reliability and Maintainability (R&M), and reduces platform Life Cycle Cost (LCC). Budgets are allocated across platform-specific teams and multi-platform product support teams based upon long term strategies to achieve safety and affordable readiness goals; the R-3 exhibit details annual portions of those long-term plans. CIP tasks have reduced the rate of in-flight aborts, safety incidents, non-mission capable rates, scheduled and unscheduled engine removals, maintenance work hours, and overall cost of ownership. This is accomplished through the maintenance and validation of specification performance, testing to qualify engineering changes, verifying life limits, and improving the inherent reliability of the propulsion system as an integral part of Reliability Centered Maintenance (RCM) initiatives. Historically, the missions, tactics, and environmental exposure of military aircraft systems change to meet new threats or operational demands, and often result in unforeseen problems, which if not corrected, can cause critical safety/readiness degradation, such as those experienced during DESERT SHIELD/DESERT STORM operations due to sand erosion. In addition, new problems arise through actual use during deployment of the aircraft. Development programs, while geared to resolve as many problems as possible before deployment, cannot duplicate actual operations or account for the vast array of environmental and usage variables, particularly when aircraft missions vary from those the aircraft was

	EXHIBI [*]	R-2a, RDT&E Pr	oject Justification			DATE:
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEN	MENT NUMBER AN	D NAME	PROJECT NUMBER AND N	February 2006
RDT&E, N /	BA 7		TION IMPROVEME		1355, A/C ENG COMP IMP	
B. ACCOMPLISHMENTS / PLANNED PROGRAM: Accomplishments / Effort / Sub-total Cost	FY 2005 7.866	FY 2006 FY 7.953	2007 8.696			
RDT&E Articles Qty						
Multi-Platform Product Support Teams Projects designed to provide common support to multiple pla modeling and simulation, diagnostics, engine reliability asso vane repair processes and life cycle support; and improve e	essment, and	structural integrity;	improve products ar	nd processes for fuels, lubricants,		
	EV 0005	IEV 0000 IEV	0007			
Accomplishments / Effort / Sub-total Cost	FY 2005		.100			
RDT&E Articles Qty		.100	.100			
Review safety ECP's and support incorpation safety required	ments.					
Accomplishments / Effort / Sub-total Cost RDT&E Articles Qty	FY 2005	FY 2006 FY .200	2007 .200			
V-22 (T406) Review safety ECP's and support incorpation safety requirer	nents.					

·	EXHIB	IT R-2a, RDT&E	Project Justification		DATE:
DDDODDIATION/DUDGET ACTIVITY		IDDOOD AAA E	LEMENT NUMBER AND NAME	IDDO IECT NI IMPER AND N	February 2006
APPROPRIATION/BUDGET ACTIVITY RDT&E, N /	BA 7		LEMENT NUMBER AND NAME VIATION IMPROVEMENTS	PROJECT NUMBER AND N 1355, A/C ENG COMP IMP	
DI&E, N /	DA I	U2U3033N, A	VIATION IMPROVEMENTS	1355, A/C ENG COMP IMP	(CIP)
	FY 2005	FY 2006	FY 2007		
Accomplishments / Effort / Sub-total Cost	1.86		2.877		
RDT&E Articles Qty					
T-45 (F405) Address top safety issues reported from fleet. Ar	nalveis and redesign co	mnonents with s	ervice revealed deficiencies		
Address top salety issues reported from fleet. At	ialysis and redesign col	iiponents with s	ervice revealed deliciericles.		
	FY 2005		FY 2007		
ccomplishments / Effort / Sub-total Cost	8.24	4 14.924	12.398		
DT&E Articles Qty					
F-18 C/D/E/F (F414/F404)					
Analysis and redesign of fuel nozzles and contro components with service revealed deficiencies.	I system to resolve sub	idle flameout iss	sues. Analysis of combustion linear to o	determine cause for durability problems. Analysis	and redesign of
	FY 2005		FY 2007		
Accomplishments / Effort / Sub-total Cost	.12	4			
RDT&E Articles Qty					
E 44D/D (E440)					1
F-14B/D (F110)	Lliab program to the to -	radaalan aff	Address sytematics of comparate Ut-	and the reduction of maintenance hours. Improve	mente to
propulsion system safety through an active life management					
	anagement program for	unical rotating (components. Enorts to reduce the engir	ne non-recoverable in-ilight shutdown kate and pro	ppuisiON
evetam related mission abort rate					
system related mission abort rate.					
system related mission abort rate.					
system related mission abort rate.					
system related mission abort rate.					
system related mission abort rate.					
system related mission abort rate.					

	EXHIBI	T R-2a, RDT&E Project Justification	DATE:
PPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUMBER AND NAME	February 2006 PROJECT NUMBER AND NAME
RDT&E, N /	BA 7	0205633N, AVIATION IMPROVEMENTS	1355, A/C ENG COMP IMP (CIP)
			• • • • • • • • • • • • • • • • • • • •
	Imy again	[F] (000 F] (000 F]	
.ccomplishments / Effort / Sub-total Cost	FY 2005 8.58 ²	FY 2006 FY 2007 4 14.507 9.068	
RDT&E Articles Qty	8.584	14.507 9.068	
DIGE Articles Qty			
maintenance program; improve compressor blade re	etention design; and de	evelop corrosion resistant bearing designs. Improve the me	d by the Operational Advisory Group (OAG); reliability-centered can time between engine removal based upon continued issues based upon engine structural integrity assessments
ccomplishments / Effort / Sub-total Cost	FY 2005 3.936	FY 2006 FY 2007 3.988 3.892	
RDT&E Articles Qty			
	oort of a Fleet Leader	Program, Analytical Condition Insepction (ACI), Engine Life	anagement program issues for engine components. Project Management Program (ELMP) execution and design fixes for any service
	FY 2005	FY 2006 FY 2007	
Accomplishments / Effort / Sub-total Cost	.399	.523 .615	
RDT&E Articles Qty			
UH1N (T400) Address top safety concerns as ranked by the OAC			uals, continue to improve time-between-overhaul and reduced nproved Compressor Coating, T400 Life Management, Study T400 Parts

	EXHIBI	T R-2a, RDT&I	Project Justif	cation			DATE:	
PPROPRIATION/BUDGET ACTIVITY		PROGRAM E	LEMENT NUM	IBER AND NAME		PROJECT NUMBER AN	D NAME	February 2006
DT&E, N /	BA 7		VIATION IMPR			1355, A/C ENG COMP I		
,						<u> </u>	,	
	FY 2005	FY 2006	FY 2007					
ccomplishments / Effort / Sub-total Cost	4.13	4.308	4.205					
RDT&E Articles Qty								
Advanced Helicopter Transmission Lubricant Progr Component Life Limit efforts. Time on wing and Me turbine. Efforts in the area of engine power loss, s	an Time Between Rem	ovals (MTBR)						
ccomplishments / Effort / Sub-total Cost	FY 2005	FY 2006	FY 2007					
RDT&E Articles Qty	.78	.831	.811	-				
DT&E Afficies Qty								
Address the top readiness degraders and AVDLR of engine inspection program. Study and implement					armuai mainteriance awa	iteriess brief and annual P-4	uoa majui	
	FY 2005	FY 2006	FY 2007					
	5.94			 				
Accomplishments / Effort / Sub-total Cost	5.94	0.200	0.919	+				
Accomplishments / Effort / Sub-total Cost RDT&E Articles Qty								

	EXHIBI*	T R-2a, RDT&E	Project Justifi	cation		DATE: February 2006
APPROPRIATION/BUDGET ACTIVITY		PROGRAM E	LEMENT NUM	BER AND NA	IE IPRO	JECT NUMBER AND NAME
RDT&E, N /	BA 7		VIATION IMPR			A/C ENG COMP IMP (CIP)
		•			<u>.</u>	
	FY 2005	FY 2006	FY 2007			
Accomplishments / Effort / Sub-total Cost	.618	В				
RDT&E Articles Qty						
S3 (TF34) High Pressure Compressor (HPC) life limit implementation Combustion Chamber Frame (CCF) and HPT physics base analysis. Initiate the development of improved Eddy Curre Mechanics (FM) capabilities. Investigate propulsion and p commercial critical part hardware commonality analysis.	ed thermal mode ent (EC) inspecti	els. Develop Li ion techniques	PT physics bas for small holes	ed thermal mo and specific fe	els. Collect engine parameter fligh atures. Analyze and correlate HPC	data required to perform updated engine mission EC inspection requirements to critical part Fracture
	FY 2005	FY 2006	FY 2007			
Accomplishments / Effort / Sub-total Cost	.440					
RDT&E Articles Qty	1	1				
			r	1		
A	FY 2005	FY 2006	FY 2007			
Accomplishments / Effort / Sub-total Cost RDT&E Articles Qty	7.501	9.731	8.462			
P3, E2, C2, C130 (T56) Implement the Engine Monitory System version 7.0 upgray propeller designs, perform engine hot section corrosion an and verification testing of redesigned first stage turbine blacoupling, compressor leakage, generator problems, and engineering the stage of	d fatigue analys des. Resolve se	is, and bearing ervice revealed	improvements. problem. Work	Analysis of reconstruction	design for first stage turbine blades lel nozzle choking issue. Resolve	on T56-A-427 engines. Qualification

	EXHIBIT	ΓR-2a, RDT&E	Project Justifica	ation				DATE:	Sobruary 2006
APPROPRIATION/BUDGET ACTIVITY		PROGRAM EL			E		PROJECT NUMBER AND	NAME	February 2006
RDT&E, N /	BA 7	0205633N, AV	ATION IMPRO	VEMENTS			1355, A/C ENG COMP IMF	(CIP)	
C. PROGRAM CHANGE SUMMARY									
Funding:	FY 2005	FY 2006	FY 2007						
Previous President's Budget:	51.962		58.095						
Current President's Budget:	50.431		58.684						
Total Adjustments	-1.531	-1.032	0.589						
Summary of Adjustments Congressional Reductions Congressional Rescissions Congressional Undistributed Reductions Congressional Increases Economic Assumptions Miscellaneous Adjustments Subtotal	-0.870 -0.661 -1.531	-0.313	0.642 -0.053 0.589						
Schedule: Not applicable									
Technical:									
Not applicable									
D. OTHER PROGRAM FUNDING SUMMARY:	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Cost
Not applicable									
E. ACQUISITION STRATEGY:									
Not applicable									

Firthist D. O. Cont. Anathralia (source 4)										DATE:			
Exhibit R-3 Cost Analysis (page 1)						I== 0 := 0= 1			February 2006				
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT					NUMBER AN						
RDT&E, N /	BA 7	0205633N, AVIATION IMPROVEMENTS 1355, A/C ENG COMP IMP (CIP)											
	Contract									_			
	Method &		Total PY s	FY 2005	FY 2005	FY 2006	FY 2006	FY 2007	FY 2007	Cost to		Target Value of	
Cost Categories	Туре	Performing Activity & Location	Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Complete	Total Cost	Contract	
PRODUCT DEVELOPMENT													
Systems Eng F110 Engine Program		GE - OHIO	17.868	.124	12/04	1					17.992	17.992	
Systems Eng F402 Engine Program		NAWCAD, PATUXENT RIVER MD		1.380	12/04			1.365	12/06		4.143		
Systems Eng F402 Engine Program		ROLLS ROYCE - UK	33.094	2.556			12/05	2.527	12/06		40.767	40.767	
Systems Eng T58/T64 Engine Program		GE - MASS	37.342	4.769	10/04			6.350	12/06		56.834	56.834	
Systems Eng T58/T64 Engine Program		NAWCAD, PATUXENT RIVER MD		3.815	10/04		10/05	2.718	10/06		12.667		
Systems Eng J52 Engine Program		P&W - FLORIDA	15.046	4.261	12/04		12/05	4.777	10/06		28.405	28.405	
Systems Eng J52 Engine Program		NAWCAD, PATUXENT RIVER MD		1.684	12/04		12/05	2.142	12/06		5.764		
Systems Eng T56 Engine Program		ROLLS ROYCE - IN	11.838	5.099	02/05		02/06	3.091	02/07		23.585	23.585	
Systems Eng T56 Engine Program	VARIOUS	NAWCAD, PATUXENT RIVER MD		2.402	02/05	6.174		5.371	02/07		13.947		
Systems Eng F405 Engine Program		ROLLS ROYCE - UK	11.260	1.862	12/04	4.003	12/05	2.877	12/06		20.002	20.002	
Systems Eng F414 /F404 Eng Prog	SS-CPFF	GE - MASS	11.628	8.244	12/04	14.924	12/05	12.398	12/06		47.194	47.194	
Systems Eng T700 Engine Program	SS-CPFF	GE - MASS	8.115	2.411	01/05	2.570	01/06	2.490	01/07		15.586	15.586	
Systems Eng T700 Engine Program	VARIOUS	NAWCAD, PATUXENT RIVER MD		1.720	01/05	1.738	01/06	1.715	01/07		5.173		
Systems Eng TF34 Engine Program	VARIOUS	NAWCAD, PATUXENT RIVER MD		.338	11/04						.338		
Systems Eng TF34 Engine Program	SS-CPFF	G.E OHIO	7.565	.280	11/04						7.845		
Systems Eng T406 Engine Program	WX	NAWCAD, PATUXENT RIVER MD	1.000			.200	12/05	.200	12/06	Continuing	Continuing		
Systems Eng T400 Engine Program	SS-CPFF	P&W - FLORIDA	2.167	.399	12/04	.523	12/05	.615	12/06		3.704	3.704	
Systems Eng J85 Engine Program	SS-CPFF	GE - OK	1.045	.781	11/04	.831	11/05	.811	11/06		3.468	3.468	
Systems Eng F100 Engine Program	WX	NAWCAD, PATUXENT RIVER MD			11/04	.100	10/05	.100	10/06	Continuing	Continuing		
Systems Eng Props Program	SS-CPFF	HAM SUNSTRAND - CON	7.420	.440	12/04	.452	12/05	.441	12/06		8.753	8.753	
Systems Eng Contracts under 1.0M	VARIOUS	VARIOUS	15.782	.004	10/04	.106	10/05	.109	10/06	Continuing	Continuing		
Systems Eng Lab Fld Act-1.0 or more	WX	NAWCAD, PATUXENT RIVER MD	133.474	6.376	10/04	6.304	10/05	7.112	10/06	Continuing	Continuing		
Systems Eng Other In-House Spt	VARIOUS	VARIOUS	17.300	.310	10/04	.374	10/05	.316	10/06	Continuing	Continuing		
GFE-GFP Fuel Improvement	MILSTRIP	DES/DLA	4.706	.663	10/04	.663	10/05	.663	10/06	Continuing	Continuing		
Award Fees	SS-CPFF		1.305				İ				1.305	1.305	
SUBTOTAL PRODUCT DEV			337.955	49.918		67.272		58.188		Continuing	Continuing		

Totals may not add due to rounding.

Exhibit R-3 Cost Analysis (page 1)									DATE:	Fehi	ruary 2006		
APPROPRIATION/BUDGET ACTIV	/ITY I	PROGRAM ELEMENT				PROJECT N	NUMBER AND) NAME					
RDT&E, N /		0205633N. AVIATION IMPROVEMEN	NTS			1355, A/C ENG COMP IMP (CIP)							
Accomplishments / Effort / Sub-tota	al Cost	,						(- /					
SUPPORT													
Develop Support Equip	VARIOUS	VARIOUS	5.483	.281	VARIOUS	.318	VARIOUS	.310	VARIOUS	Continuing	Continuing		
SUBTOTAL SUPPORT			5.483	.281		.318		.310		Continuing	Continuing		
EST & EVALUATION													
ESTAEVALUATION													
	VARIOUS	VARIOUS	2.907	.053	VARIOUS	.054	VARIOUS	.053	VARIOUS	Continuing	Continuing		
Dev Test & Eval		VARIOUS	2.907 2.907	.053 .053	VARIOUS	.054 .054	VARIOUS	.053 .053	VARIOUS				
ev Test & Eval		VARIOUS			VARIOUS		VARIOUS		VARIOUS				
Dev Test & Eval SUBTOTAL TEST & EVALUATION		VARIOUS			VARIOUS		VARIOUS		VARIOUS				
Dev Test & Eval SUBTOTAL TEST & EVALUATION MANAGEMENT				.053	VARIOUS	.054	VARIOUS			Continuing			
Dev Test & Eval SUBTOTAL TEST & EVALUATION MANAGEMENT Program Mgmt Sup		VARIOUS	2.907	.053		.054	VARIOUS	.053	VARIOUS	Continuing Continuing	Continuing Continuing		
DEST & EVALUATION DEV TEST & EVALUATION SUBTOTAL TEST & EVALUATION MANAGEMENT Program Mgmt Sup Travel - Acquisition Planning SUBTOTAL MANAGEMENT	VARIOUS	VARIOUS	2.907	.053	VARIOUS	.054	VARIOUS	.053	VARIOUS	Continuing Continuing Continuing	Continuing Continuing		
Dev Test & Eval SUBTOTAL TEST & EVALUATION MANAGEMENT Program Mgmt Sup Travel - Acquisition Planning	VARIOUS	VARIOUS	2.907 1.188 .093	.053	VARIOUS	.054 .054 .080	VARIOUS	.053 .053 .080	VARIOUS	Continuing Continuing Continuing	Continuing Continuing Continuing		
Dev Test & Eval SUBTOTAL TEST & EVALUATION MANAGEMENT Program Mgmt Sup Travel - Acquisition Planning	VARIOUS	VARIOUS	2.907 1.188 .093	.053	VARIOUS	.054 .054 .080	VARIOUS	.053 .053 .080	VARIOUS	Continuing Continuing Continuing	Continuing Continuing Continuing		
Dev Test & Eval SUBTOTAL TEST & EVALUATION MANAGEMENT Program Mgmt Sup Travel - Acquisition Planning	VARIOUS	VARIOUS	2.907 1.188 .093	.053	VARIOUS	.054 .054 .080	VARIOUS	.053 .053 .080	VARIOUS	Continuing Continuing Continuing	Continuing Continuing Continuing		
Dev Test & Eval SUBTOTAL TEST & EVALUATION MANAGEMENT Program Mgmt Sup Travel - Acquisition Planning	VARIOUS	VARIOUS	2.907 1.188 .093	.053	VARIOUS	.054 .054 .080	VARIOUS	.053 .053 .080	VARIOUS	Continuing Continuing Continuing	Continuing Continuing Continuing		
Dev Test & Eval SUBTOTAL TEST & EVALUATION MANAGEMENT Program Mgmt Sup Travel - Acquisition Planning	VARIOUS	VARIOUS	2.907 1.188 .093	.053	VARIOUS	.054 .054 .080	VARIOUS VARIOUS	.053 .053 .080	VARIOUS	Continuing Continuing Continuing Continuing	Continuing Continuing Continuing		

			DATE:							
		February 2	2006							
APPROPRIATION/BUDGET ACTIVITY		PROGRAM E	LEMENT NUM	BER AND NAM	ΛE		PROJECT NU	MBER AND N	AME	
RDT&E, N /	BA 7	0205633N, A\	/IATION IMPR	OVEMENTS			9109, A/C AG	E EXPLORATI	ON	
COST (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011			
9109 A/C AGE EXPLORATION	2.887									
RDT&E Articles Qty										

The Aircraft Age Exploration Model Development is for Naval Aircraft platforms. The model will use existing Naval Aircraft data to establish connections between age and reliabilty, maintainability, and readiness and will provide the Navy with a valuable tool for understanding, predicting, and communicating impacts of decisions to extend aircraft service lives and for mitigating risks associated with these decisions. This is a continuation of efforts initiatied in FY02 to add enhanced functionallity to include automatic identification of reliability degredation items and automatic tracking of actuals against model generated predictions.

B. ACCOMPLISHMENTS / PLANNED PROGRAM:

	FY 2005	FY 2006	FY 2007
Accomplishments / Effort / Sub-total Cost	2.887		
RDT&E Articles Qty			

AIRCRAFT AGE EXPLORATION

Develop enhancements to computer model that integrates existing maintenance data with predictive computations to determine future reliability and maintianability conditions for aircraft and components. Enhancements include automated generation of reliability and maintainability opportunity triggers and also real time tracking of actual results against predicted performance.

Develop technical data to include user manuals and other training materials. Conduct user training sessions as required for model validation.

Using a combination of historical and current maintenance data perform model verification and validation studies to demonstrate acceptable level of confidence in outputs produced by the model.

	EXHIBIT	R-2a, RDT&E	Project Justific	cation				DA	TE:	-h 2000
APPROPRIATION/BUDGET ACTIVITY RDT&E, N /	BA 7	PROGRAM EL 0205633N, AV			ΜE		PROJECT NUMI 9109, A/C AGE I		E	ebruary 2006
C. PROGRAM CHANGE SUMMARY										
Funding: Previous President's Budget: Current A2President's Budget: Total Adjustments	FY 2005 2.938 2.887 -0.051		FY 2007 0.000 0.000 0.000							
Summary of Adjustments Congressional Reductions Congressional Rescissions Congressional Undistributed Reductions Congressional Increases	-0.052 0.001									
Economic Assumptions Miscellaneous Adjustments Subtotal	-0.051	0.000	0.000							
Schedule: N/A Technical: N/A										
D. OTHER PROGRAM FUNDING SUMMARY: 0205633N, Aircraft Equipment Reliability & Maintainability Imp 0205633N, Automated Wire Analysis, 9426 0205633N, NAVAIR Technology Commercialization, 9428 0205633N, Corrosion Inhibiting Coatings, 9628 0205633N, Nano-Composite Hard-Coat for Aircraft Canopies,		FY 2006 gram (AERMIP)	FY 2007), 1041	FY 2008	FY 2009	FY 2010	FY 2011	To	o Complete	Total Cost
E. ACQUISITION STRATEGY: N/A										
E. ACQUISITION STRATEGY: N/A										

	EXHIBIT	ΓR-2a, RDT&E	Project Justific	cation				DA	ATE:	
										February 2006
APPROPRIATION/BUDGET ACTIVITY		PROGRAM EI	LEMENT NUM	BER AND NAM	E		PROJECT NU	MBER AND NAMI	E	
RDT&E, N /	BA 7	0205633N, AV	IATION IMPR	OVEMENTS			9426, AUTOM	ATED WIRE ANA	LYSIS	
COST (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011			
9426 AUTOMATED WIRE ANALYSIS	4.149									
RDT&E Articles Qty										

Current practices have technicians perform electrical testing on aircraft using both manual and automated methods. Once a short or open is found using existing test equipment, the technician must then find the physical location of the fault, one wire at a time, using pin-to-pin tests with handheld multi-meters and visual inspection. This generally involves at least two individuals connecting leads to each end of a wire to be tested. This is a slow process and reactive in nature. New commercial technology that incorporates Standing Wave Reflectometry (SWR) can proactively identify all hard faults (e.g. shorts and opens) of wiring malfunctions from a single end wire test, verify system modifications, and localize aircraft wiring malfunctions to within inches. This capability does not exist in the U.S. Navy today. A single wiring analyzer can serially test up to 1,152 wires at a time and the system can be expanded to test up to a maximum of 128,000 test points. This effort is to develop, validate and qualify this capability for Naval Avaition applications.

B. ACCOMPLISHMENTS / PLANNED PROGRAM:

	FY 2005	FY 2006	FY 2007
Accomplishments / Effort / Sub-total Cost	4.149		
RDT&E Articles Qty			

AUTOMATED WIRE ANALYSIS

Develop the software required to utilize the new technology that incorporates Standing Wave Reflectometry (SWR) that can proactively identify all hard faults (e.g. shorts and opens) of wiring malfunctions from a single end wire test, verify system modifications, and localize aircraft wiring malfunctions to within inches.

Testing to ensure that the product works in a true fleet environment. Aircraft to be studied are the EA-6B, C-2, S-3, E-6, H-46, and H-53.

User training and the development of the materials required for training and after training reference.

	EXHIB	IT R-2a, RDT&E	Project Justific	ation				DATE:	February 2006
APPROPRIATION/BUDGET ACTIVITY	D4.7	PROGRAM EL			E			BER AND NAME	ebruary 2000
RDT&E, N /	BA 7	0205633N, AV	IATION IMPRO	VEMENTS			9426, AUTOMA	FED WIRE ANALYSIS	
C. PROGRAM CHANGE SUMMARY									
Funding	FY 2005	FY 2006	FY 2007						
Funding: Previous President's Budget:	4.25		0.000						
Current President's Budget:	4.14		0.000						
Total Adjustments	-0.11		0.000						
Summary of Adjustments Congressional Reductions Congressional Rescissions									
Congressional Undistributed Reductions	-0.01	1							
Congressional Increases Economic Assumptions Miscellaneous Adjustments	0.00								
Subto	-0.01	0.000	0.000						
Schedule: N/A									
Technical: N/A									
OTHER PROGRAM FUNDING SUMMARY: 205633N, Aircraft Equipment Reliability & Maintainability I 205633N, Age Exploration Model Development, 9109	FY 2005 mprovement Pro	FY 2006 ogram (AERMIP)	FY 2007 , 1041	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Cost
205633N, NAVAIR Technology Commercialization, 9428 205633N, Corrosion Inhibiting Coatings, 9628 205633N, Nano-Composite Hard-Coat for Aircraft Canopi	es, 9629								
E. ACQUISITION STRATEGY: N/A									

PPROPRIATION/BUDGET ACTIVITY DT&E, N / COST (\$ in Millions) 628 CORROSION INHIBITING COATINGS	BA 7	PROGRAM E 0205633N, A	I EMENT NUM			DATE: February 20				
OST (\$ in Millions)	BA 7			RED AND NAM	E		PROJECT NUMBER AND NAME			ruary 2006
COST (\$ in Millions)	BA 7	0203033N, A			_				ITING COATINGS	
			T TON IIVIFK	JVEIVIENTS			9020, CORKC		ITING COATINGS	
	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011			
	1.361		F1 2007	F1 2006	F1 2009	F1 2010	FT ZUII	1		
DT&E Articles Qty	1.301							1		
DI &L Alticles Qty		l				l	1	1		
ACCOMPLISHMENTS / PLANNED PROGRAM:										
:. ACCOMPLISHMENTS / PLANNED PROGRAM:	EV 2005	IEV 2006	IEV 2007	I						
	FY 2005	FY 2006	FY 2007							
a. ACCOMPLISHMENTS / PLANNED PROGRAM: a.ccomplishments / Effort / Sub-total Cost EDT&E Articles Qty	FY 2005 1.361	FY 2006	FY 2007							

	EXHIE	BIT R-2a, RDT&E Project Justi	fication			DATE:
APPROPRIATION/BUDGET ACTIVITY RDT&E, N /	BA 7	PROGRAM ELEMENT NUI 0205633N, AVIATION IMP			PROJECT NUMBER AND N 9628, CORROSION INHIBIT	
C. PROGRAM CHANGE SUMMARY						
Funding: Previous President's Budget: Current President's Budget: Total Adjustments	FY 2005 1.38 1.36 -0.02	0.000 0.00	0			
Summary of Adjustments Congressional Reductions Congressional Rescissions Congressional Undistributed Reductions Congressional Increases Economic Assumptions Miscellaneous Adjustments	-0.02					
S	ubtotal -0.02	27 0.000 0.00	00			
Schedule: N/A						
Technical: N/A						
D. OTHER PROGRAM FUNDING SUMMARY: 0205633N, Aircraft Equipment Reliability & Maintainabil 0205633N, Age Exploration Model Development, 9109 0205633N, NAVAIR Technology Commercialization, 94 0205633N, Automated Wire Analysis, 9426 0205633N, Nano-Composite Hard-Coat for Aircraft Car	28	FY 2006 FY 2007 ogram (AERMIP), 1041	FY 2008 FY 200	9 FY 2010	FY 2011	To Complete Total Cost
E. ACQUISITION STRATEGY: N/A						

	EXHIBIT	R-2a, RDT&E	Project Justific	cation					DATE:	
							I			ebruary 2006
APPROPRIATION/BUDGET ACTIVITY				BER AND NAM	ΛE		PROJECT NU			
RDT&E, N /	BA 7	0205633N, A	VIATION IMPR	OVEMENTS		1	9629, NANO-	COMPOSITE	HARD-COAT FO	OR AIRCRAFT CANOPIES
COST (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	<u> </u>		
9629 NANO-COMPOSITE HARD-COAT FOR AIRCRAFT	2.227							<u> </u>		
RDT&E Articles Qty								1		
B. ACCOMPLISHMENTS / PLANNED PROGRAM:										
				•						
	FY 2005	FY 2006	FY 2007							
Accomplishments / Effort / Sub-total Cost	2.227									
RDT&E Articles Qty										
NANO-COMPOSITE HARD COAT FOR AIRCRAFT CAN Develop and transition an optically transparent coating fo		screens and c	anopies that is	resistant to ab	rasion and ch	emical attack				

	EXHIBI	T R-2a, RDT&E Project Justificat	tion		DATE:	February 2006
APPROPRIATION/BUDGET ACTIVITY RDT&E, N /	BA 7	PROGRAM ELEMENT NUMBE 0205633N, AVIATION IMPROV		PROJECT NUMBER ANI 9629, NANO-COMPOSIT	O NAME	OR AIRCRAFT CANOPIES
C. PROGRAM CHANGE SUMMARY Funding: Previous President's Budget: Current President's Budget: Total Adjustments	FY 2005 2.279 2.227 -0.052	0.000 0.000				
Summary of Adjustments Congressional Reductions Congressional Rescissions Congressional Undistributed Reductions Congressional Increases Economic Assumptions Miscellaneous Adjustments	-0.053 0.001 Subtotal -0.052					
Schedule: N/A						
Technical: N/A						
D. OTHER PROGRAM FUNDING SUMMARY: 0205633N, Aircraft Equipment Reliability & Maintainal 0205633N, Age Exploration Model Development, 910 0205633N, NAVAIR Technology Commercialization, 9 0205633N, Automated Wire Analysis, 9426 0205633N, Corrosion Inhibiting Coatings, 9628	9	FY 2006 FY 2007 gram (AERMIP), 1041	FY 2008 FY 2009	FY 2010 FY 2011	To Complete	Total Cost
E. ACQUISITION STRATEGY: N/A						

	EXHIBI*	ΓR-2a, RDT&E	Project Justific	cation					DATE:
									February 2006
APPROPRIATION/BUDGET ACTIVITY		PROGRAM EI	LEMENT NUM	BER AND NAM	IE		PROJECT NU	MBER AND N	IAME
RDT&E, N /	BA 7	0205633N, AV	IATION IMPR	OVEMENTS			9630, CENTE	R FOR DEFEN	NSE SUSTAINMENT TECHNOLOGY
COST (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		
9630 CENTRER FOR DEFENSE SUSTAINMENT	.977								
RDT&E Articles Qty									

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: This effort will fund a Center for Defense Sustainment Technology that will conduct studies and analysis support for Aging Aircraft issues. It will also conduct aircraft obsolescence requirements analysis, focused research and development, and implementation and deployment of solutions and best practice identification and dissemination. The overall goal of these activities is to safely extend the service life of legacy aircraft that we currently cannot afford to replace, to intelligently invest in solutions that reduce the operating costs of these fleets, and to reduce redundancy of efforts in development and fielding of these solutions. This center is a public-private partnership including not for profit consortia, small business, Government activities, and academia.

B. ACCOMPLISHMENTS / PLANNED PROGRAM:

	FY 2005	FY 2006	FY 2007
Accomplishments / Effort / Sub-total Cost	.977		
RDT&E Articles Qty			

Center for Defense Sustainment Technology

To support the establishment of Center for Defense Sustainment Technology, which will conduct studies and analysis support for Aging Aircraft issues. This center is a public-private partnership including not for profit consortia, small business, Government activities and academia. FY05 funding has specifically been targeted to support the Joint Council on Aging Aircraft (JCAA) National Strategy efforts in the Cost of Aging, obsolescence management and rotorcraft dynamic component technologies.

	EXHIB	IT R-2a, RDT&E	Project Justifica	ation				DATE:	February 2006
APPROPRIATION/BUDGET ACTIVITY RDT&E, N /	BA 7		EMENT NUMB		ΛE		PROJECT NUM 9630. CENTER	BER AND NAME FOR DEFENSE SUSTA	INMENT TECHNOLOGY
C. PROGRAM CHANGE SUMMARY				-			1		
Funding: Previous President's Budget: Current President's Budget: Total Adjustments	FY 2005 0.99 0.97 -0.01	7 0.000	FY 2007 0.000 0.000						
Summary of Adjustments Congressional Reductions Congressional Rescissions Congressional Undistributed Reductions Congressional Increases Economic Assumptions Miscellaneous Adjustments	-0.01 total -0.01		0.000						
Sub	totai -0.01	3 0.000	0.000						
Schedule: Not Applicable Technical: Not Applicable									
D. OTHER PROGRAM FUNDING SUMMARY: Not Applicable	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Compl	ete Total Cost
E. ACQUISITION STRATEGY: Not Applicable									

	EXHIBIT	ΓR-2a, RDT&E	Project Justifi	cation					DATE:
									February 2006
APPROPRIATION/BUDGET ACTIVITY		PROGRAM E	LEMENT NUM	IBER AND NAM	ИE		PROJECT NU	IMBER AND N	AME
RDT&E, N /	BA 7	0205633N, A	/IATION IMPR	OVEMENTS			9631, DEV. OF	NEXT GEN. TE	ECH. FOR THE INSPECT OF ACRFT ENG
COST (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		
W9631 DEV. NEXT GEN. TECH. FOR INSPECT OF A/C	2.136								
RDT&E Articles Qty									

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

Project 9631 - Development of Next Generation Technology for the Inspection of Aircraft Engines, Diagnostics and Repair will lead to the development of a next generation Common Video Borescope Set to support the fleet maintenance requirement to inspect internal components of aircraft engines and airframes for defects. The goals of this effort are to address deficiencies in the current inspection equipment by improving survivability, reducing proliferation/inventory, reducing maintenance costs, improving training and reliability, providing an upgradeable design, and maximizing commonality of inspection between the Organizational and Intermediate levels of maintenance.

	EXHI	BIT R-2a, RDT	&E Project Justific	ation	·	DATE:		
			•			February 2006		
PPROPRIATION/BUDGET ACTIVITY		PROGRAM	I ELEMENT NUM	BER AND NAME	PROJECT NUMBER AND NAME			
RDT&E, N /	BA 7	0205633N,	AVIATION IMPR	OVEMENTS	9631, DEV. OF NEXT GEN	TECH. FOR THE INSPECT OF ACRET EN		
. ACCOMPLISHMENTS / PLANNED PROGRAM:								
	JEV 2005	I=\(, 0000	IEV					
	FY 2005	FY 2006	FY 2007					
ccomplishments / Effort / Sub-total Cost	2.1	36						
DT&E Articles Qty								
inspection of internal components of Naw/Marine a training and reliability, and maximizing commonali				, , ,	, , ,			

	EXHIB	T R-2a, RDT&E	Project Justification		DATE: February 2006
APPROPRIATION/BUDGET ACTIVITY		PROGRAM FI	EMENT NUMBER AND NAME	PROJECT NUMBER AND	
RDT&E, N /	BA 7		/IATION IMPROVEMENTS		ECH. FOR THE INSPECT OF ACRFT ENG
,		•		,	
C. PROGRAM CHANGE SUMMARY					
Funding:	FY 2005	FY 2006	FY 2007		
Previous President's Budget:	3.27	0.000	0.000		
Current President's Budget:	2.13	0.000	0.000		
Total Adjustments	-1.13	0.000	0.000		
Summary of Adjustments					
Congressional Reductions					
Congressional Rescissions	-1.05				
Congressional Undistributed Reductions	-0.08				
Congressional Increases	0.00				
Economic Assumptions					
Miscellaneous Adjustments					
Subto	tal -1.13	0.000	0.000		
E. ACQUISITION STRATEGY: This is a non-ACAT Source selection panel evaluated proposals and selected			nitiated a solicitation for a Broad Agency Ar act may be awarded for a prototype and/or p		with proposals due by February 2005.

XHIBIT R-2a, RDT&E Project Justification	on								
							DATE:		
PPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-7	PROGRAM ELEMI 02056533N, AVIAT	ENT NUMBER AND			PROJECT NUMBER		February 2006		
COST (\$ in Millions)		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	
999 Congressional Adds		0.000	14.605	0.000	0.000	0.000	0.000	0.000	
RDT&E Articles Qty									

PROGRAM ELEMENT NUMBER AND NAME BA7 0205633N, AVIATION IMPROVEMENTS CONGRESSIONAL ADDS Complishments/Planned Program
BA7 0205633N, AVIATION IMPROVEMENTS CONGRESSIONAL ADDS Complishments/Planned Program 747 FY 05 FY 06 FY 07 Complishments/Effort/Subtotal Cost 0.500 DT&E Articles Quantity Advanced very lightweight avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics systems are subject to the study and evaluate advanced cooling technologies for integration into existing avionics systems are subject to the study and evaluate advanced cooling technologies for integration into existing avionics systems are subject to the study and evaluate advanced cooling technologies for integration into existing avionics systems are subject to the subje
complishments/Planned Program 747 FY 05 FY 06 FY 07 ccomplishments/Effort/Subtotal Cost 0.500 DT&E Articles Quantity Advanced very lightweight avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing a system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing a system for airborne platform - This effort is to study and evaluate advanced cooling technologies for integrat
FY 05 FY 06 FY 07 Complishments/Effort/Subtotal Cost 0.500
FY 05 FY 06 FY 07 Complishments/Effort/Subtotal Cost 0.500
Advanced very lightweight avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platform into existing avionics system for airborne platform into existing avionics system for airborne platform into exist avionic system for airborne platform into exist avionic system for airbor
Advanced very lightweight avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platform into existing avionics system for airborne platform into existing avionics system for airborne platform into exist avionic system for airborne platform into exist avionic system for airbor
Advanced very lightweight avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platforms - This effort is to study and evaluate advanced cooling technologies for integration into existing avionics system for airborne platform into exist avionics system for airborne platform into exist avionics system for airborne platform into exist avionics avionics avionics avionics system for airborne platform into exist avi
748 FY 05 FY 06 FY 07 complishments/Effort/Subtotal Cost 5.100
omplishments/Effort/Subtotal Cost 5.100
ccomplishments/Effort/Subtotal Cost 5.100
ccomplishments/Effort/Subtotal Cost 5.100
of the Antides Quantity
749 FY 05 FY 06 FY 07
ccomplishments/Effort/Subtotal Cost 0.750
DT&E Articles Quantity

EXHIBIT R-2a, RDT&E Project Justific	DATE:				
PROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUM	RED AND NAME	PROJECT NUMBER AND NA		ruary 2000
DT&E, N / BA7				IVIL	
JIGE, N / BA/	UZUS633N, AVIATION IMPR	OVENIENTS	CONGRESSIONAL ADDS		
Accomplishments/Planned Program (Cont.)				
9750		FY 05	FY 06	FY 07	
Accomplishments/Effort/Subtotal Cost			1.055		
RDT&E Articles Quantity					
F404/F414 Borescope Equipment Service durable/reliable F404/F414 engine borescop increase time on wing. This system will be e	e for use in engine inspections. The bo quipped with interchangeable video pro	rescopes are utilized for bes, increased illumina	or engine inspections to locate defec	ts in the engine and	
monitor resolution, built in battery capability a	and deliver increased reliability and acc	uracy of inspections.			
9751		FY 05	FY 06	FY 07	
9751 Accomplishments/Effort/Subtotal Cost		FY 05	FY 06 4.200	FY 07	
Accomplishments/Effort/Subtotal Cost RDT&E Articles Quantity NAVAIR Depot Maintenance Operations U	•	d modify as required Au	4.200 utomatic Identification Technology (A	IT) for operation	
Accomplishments/Effort/Subtotal Cost RDT&E Articles Quantity	Naval Aviation Organic Depots. This s	d modify as required Au	4.200 utomatic Identification Technology (A	IT) for operation	
Accomplishments/Effort/Subtotal Cost RDT&E Articles Quantity NAVAIR Depot Maintenance Operations U and application in the harsh environments of	Naval Aviation Organic Depots. This s	d modify as required Au	4.200 utomatic Identification Technology (A	IT) for operation]
Accomplishments/Effort/Subtotal Cost RDT&E Articles Quantity NAVAIR Depot Maintenance Operations U and application in the harsh environments of to integrate this required capability into Nava	Naval Aviation Organic Depots. This s	d modify as required Au ystem and business pr	4.200 utomatic Identification Technology (A occess improvements must be design	IT) for operation ned and deployed	
Accomplishments/Effort/Subtotal Cost RDT&E Articles Quantity NAVAIR Depot Maintenance Operations U and application in the harsh environments of to integrate this required capability into Nava	Naval Aviation Organic Depots. This s	d modify as required Au ystem and business pr	4.200 utomatic Identification Technology (A rocess improvements must be design	IT) for operation ned and deployed	
Accomplishments/Effort/Subtotal Cost RDT&E Articles Quantity NAVAIR Depot Maintenance Operations U and application in the harsh environments of to integrate this required capability into Nava 9752 Accomplishments/Effort/Subtotal Cost	Naval Aviation Organic Depots. This s I Aviation Depots. This seffort is to develop and qualify a real	d modify as required Au system and business pr FY 05	4.200 utomatic Identification Technology (A ocess improvements must be design FY 06 2.000	IT) for operation ned and deployed FY 07	speed of

CLASSIFICATION:							
EXHIBIT R-2a, RDT&E Project Justification				DATE: February 2006			
PPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUM	IBER AND NAME	PROJECT NUMBER AND N	,			
RD BA7	0205633N, AVIATION IMPROVEMENTS		CONGRESSIONAL ADDS				
B. Accomplishments/Planned Program	,						
9753		FY 05	FY 06	FY 07			
Accomplishments/Effort/Subtotal Cost			1.000				
RDT&E Articles Quantity							
corrosion resistance.							
		FY 05	FY 06	FY 07			
Accomplishments/Effort/Subtotal Cost		1103	1100	1101			
RDT&E Articles Quantity							
		FY 05	FY 06	FY 07			
Accomplishments/Effort/Subtotal Cost							
RDT&E Articles Quantity							
	R-1 SHC	PPING LIST - Item N	o. 183				

CLASSIFICATION:						
EXHIBIT R-2a, RDT&E Project Justification DATE: February 2006						
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NAME				
RDT&E, N / BA-7	0205633N, AVIATION IMPROVEMENTS	CONGRESSIONAL ADDS				
C. PROGRAM CHANGE SUMMARY:						
Funding: Previous President's Budget: Current President's Budget Total Adjustments Summary of Adjustments Congressional Reductions Congressional Rescissions Congressional Undistributed Reductior Congressional Increases Economic Assumptions Miscellaneous Adjustments Subtotal Schedule:	FY 05 FY 06 0.000 14.605 14.605 14.605	FY 07				
Not Applicable Technical: Not Applicable						
R-1 SHOPPING LIST - Item No. 183						
	IX I GITOT I ING EIGT - REITHO.					

CLASSIFICATION:										
EXHIBIT R-2a, RDT&E Project Justification						DATE:				
APPROPRIATION/BUDGET ACTIVITY	IDDOCDAM E	I EMENT NI IM	IDED AND NA	ME	IDDO IECT NI	IMPED AND N	^ N/E		February 2006	
RDT&E, N / BA-7		PROGRAM ELEMENT NUMBER AND NAME 0205633N, AVIATION IMPROVEMENTS			PROJECT NUMBER AND NAME CONGRESSIONAL ADDS					
					CONTONIZOON	0.0.1271220				
D. OTHER PROGRAM FUNDING SUMMARY:	:							То	Total	
	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Cost	
E. ACQUISITION STRATEGY: *										
Not Applicable										
R-1 SHOPPING LIST - Item No. 183										