	EXHIBIT R-2,	RDT&E Budget Item	Justification				DATE:	
							Februa	ry 2006
APPROPRIATION/BUDGET ACTIVITY						R-1 ITEM NOMENC	LATURE	
REASEARCH DEVELOPMENT TEST & EVALUATION, NAVY	/		BA 7			0204152N, E-2 SQL	JADRONS	
COST (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	
Total PE Cost	18.255	17.022	1.540	1.577	1.592	1.618	1.658	
0463 E-2C IMPROVEMENTS	5.908	2.222	1.540	1.577	1.592	1.618	1.658	
9999 CONGRESSIONAL ADDS	*12.347	**14.800						

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

E-2 Improvements provide for product improvements and incorporation of innovative technologies for the evolution of E-2 Battle Management and Command and Control (BMC2) capabilities in support of naval warfare command and control requirements. It has previously funded developments for the modification or replacement of selected weapon replaceable assemblies of current installed subsystems. For example, the program developed a Mission Computer Upgrade (MCU), applying on-going developments in data processing and target detection, which will relieve current bottlenecks in signal and data processing. It has also provided for experimentation with wideband internet protocol (IP) concepts, to include technologies such as High Frequency IP Router Network (HF SIPRNET), VRC-99 digital IP radio as a surrogate to the Joint Tactical Radio System, machine-to-machine digital data communications, airborne Advanced Digital Networking System, and open architected hardware and software computing environments. These efforts have laid the foundation for growth to provide additional functional capabilities to satisfy evolving operational requirements, e.g., Battle Space Networking, Cooperative Engagement Capability (CEC), Satellite Communications (SATCOMS), and permits the evolutionary growth of a Combat Identification and Theater Air and Missile Defense (TAMD) Capability.

FY2005-2011: Funding provides for evaluation and demonstration of technology for new emergent systems and subsystems. This initiative allows for data collection and the evaluation of new technologies in the context of emerging missions and requirements including Theater Air and Missile Defense, Ballistic Missile Defense, littoral warfare, combat identification including specific emitter identification, multi-source integration, Airborne Battlefield Command and Control (ABC2) and Single Integrated Air Picture (SIAP) as well as parts and system obsolescence. Emphasis will be upon the following areas: participation in exercises to assess capabilities against emerging threats; identify deficiencies, identification of candidate solutions; and ground/airborne demonstrations of the identified technologies.

	EXHIBIT	R-2a, RDT&E	Project Justific	ation					DATE:
									February 2006
APPROPRIATION/BUDGET ACTIVITY		PROGRAM EL	EMENT NUMI	BER AND NAM	ΛE		PROJECT NU	MBER AND N	IAME
RDT&E, N /	BA 7	0204152N, E-2	SQUADRON	S			0463, E-2C IM	PROVEMENT	TS .
COST (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		
0463 E-2C IMPROVEMENTS	5.908	2.222	1.540	1.577	1.592	1.618	1.658		
RDT&E Articles Qty									

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

E-2 Improvements provides for product improvements and incorporation of innovative technologies for the evolution of E-2 Battle Management and Command and Control (BMC2) capabilities in support of naval warfare command and control requirements. It has previously funded developments for the modification or replacement of selected weapon replaceable assemblies of current installed subsystems. For example, the program developed a Mission Computer Upgrade (MCU), applying on-going developments in data processing and target detection, which will relieve current bottlenecks in signal and data processing. It has also provided for experimentation with wideband internet protocol (IP) concepts, to include technologies such as High Frequency IP Router Network (HF SIPRNET), VRC-99 digital IP radio as a surrogate to the Joint Tactical Radio System, machine-to-machine digital data communications, airborne Advanced Digital Networking System, and open architected hardware and software computing environments. These efforts have laid the foundation for growth to provide additional functional capabilities to satisfy evolving operational requirements, e.g., Battle Space Networking, Cooperative Engagement Capability (CEC), Satellite Communications (SATCOMS), and permits the evolutionary growth of a Combat Identification and Theater Air and Missile Defense (TAMD) Capability.

FY2005-2011: Funding provides for evaluation and demonstration of technology for new emergent systems and subsystems. This initiative allows for data collection and the evaluation of new technologies in the context of emerging missions and requirements including Theater Air and Missile Defense, Ballistic Missile Defense, littoral warfare, combat identification including specific emitter identification, multi-source integration, Airborne Battlefield Command and Control (ABC2) and Single Integrated Air Picture (SIAP) as well as parts and system obsolescence. Emphasis will be upon the following areas: participation in exercises to assess capabilities against emerging threats; identify deficiencies, identification of candidate solutions; and ground/airborne demonstrations of the identified technologies.

			DATE:					
		BIT R-2a, RDT&	,					February 2006
APPROPRIATION/BUDGET ACTIVITY				IMBER AND NAM	ИΕ		NUMBER AND NAME	
DT&E, N /	BA 7	0204152N, E	-2 SQUADRO	ONS		0463, E-2C	IMPROVEMENTS	
. ACCOMPLISHMENTS / PLANNED PROGRAM:								
	FY 2005	FY 2006	FY 2007					
ccomplishments / Effort / Sub-total Cost	1.2		1 1 2007					
DT&E Articles Qty	1.2	20						
	l	· ·	1	1				
Developed software applications to automate the Air Office of Naval Research Knowledge Superiority Asst ATO/ACO information and conduct hardware/software	urance Future Naval	Capabilities. Co	onducted full d	ata base developr	ment in FY 2005 to a	allow automated track İ	dentification, and fusion of	
	FY 2005	FY 2006	FY 2007					
Accomplishments / Effort / Sub-total Cost	3.5	61 1.11	9 .76	61				
DT&E Articles Qty								
Conducted demonstration of High Frequency Secret Prototype waveforms, TALISMAN SABER and DARP used to conduct demonstrations on E-2 airborne Net Tactical Information Services, IP enabled communicanetwork applications), and airborne demonstration of and Joint Task Force Exercise.	PA TTNT experiment work Centric Collaborations systems (such	. Developed È-2 prative Targeting n as HF SIPRNE	RAIDER for I (NCCT) capab T. VRC-99 and	Digital Communica ility, IP networkin d TTNT), machine	ations Suite capabilit g concepts (includin -to-machine interfac	ity to FA-18 strike aircra ng Advanced Digital Net ce, open architected col	aft. Funding will be tworking Systems, mputing environment,	
	FY 2005	FY 2006	FY 2007					
accomplishments / Effort / Sub-total Cost		84 .20		00				
RDT&E Articles Qty								
Single Integrated Air Picture (SIAP) Block 0 Successfully completed Preliminary Design Review/C Outyear funding will support testing and fielding of SI			SIAP Block 0	software for imple	ementation and fieldi	ing in Systems Configu	ration Set (SCS)-05.	

Accomplishments / Effort / Sub-total Cost RDT&E Articles Qty Multi-Source Integration (MSI) Phase II Developed software applications to facilitate incorporation of ne sets, performance measures, and data analysis tools in suppo Weapon System, including MSI, Combat ID, and Distributed W Surveillance (ES), Link 16, Link 11, and Cooperative Engagem	FY 2005 .934 ew technologi		FY 2007	IS	:	PROJECT NUMBER AND 0463, E-2C IMPROVEME	
RDT&E, N / E Accomplishments / Effort / Sub-total Cost RDT&E Articles Qty Multi-Source Integration (MSI) Phase II Developed software applications to facilitate incorporation of ne sets, performance measures, and data analysis tools in suppo Weapon System, including MSI, Combat ID, and Distributed W Surveillance (ES), Link 16, Link 11, and Cooperative Engagem	FY 2005 .934 ew technologi	0204152N, E - FY 2006	-2 SQUADRON FY 2007	IS	•		
Accomplishments / Effort / Sub-total Cost RDT&E Articles Qty Multi-Source Integration (MSI) Phase II Developed software applications to facilitate incorporation of ne sets, performance measures, and data analysis tools in suppo Weapon System, including MSI, Combat ID, and Distributed W Surveillance (ES), Link 16, Link 11, and Cooperative Engagem	FY 2005 .934 ew technologi	FY 2006	FY 2007				
Accomplishments / Effort / Sub-total Cost RDT&E Articles Qty Multi-Source Integration (MSI) Phase II Developed software applications to facilitate incorporation of ne sets, performance measures, and data analysis tools in suppo Weapon System, including MSI, Combat ID, and Distributed W Surveillance (ES), Link 16, Link 11, and Cooperative Engagem	.934 ew technologi		FY 2007 .579				
Accomplishments / Effort / Sub-total Cost RDT&E Articles Qty Multi-Source Integration (MSI) Phase II Developed software applications to facilitate incorporation of ne sets, performance measures, and data analysis tools in suppo Weapon System, including MSI, Combat ID, and Distributed W Surveillance (ES), Link 16, Link 11, and Cooperative Engagem	.934 ew technologi		.579				
Multi-Source Integration (MSI) Phase II Developed software applications to facilitate incorporation of ne sets, performance measures, and data analysis tools in suppo Weapon System, including MSI, Combat ID, and Distributed W Surveillance (ES), Link 16, Link 11, and Cooperative Engagem	ew technologi	.000	10.10				
Developed software applications to facilitate incorporation of ne sets, performance measures, and data analysis tools in suppo Weapon System, including MSI, Combat ID, and Distributed W Surveillance (ES), Link 16, Link 11, and Cooperative Engagem		•					
to support advanced sensor networking. Fund Fleet Battle Gro	Veapons Coor nent Capability	II. Fund softwardination. Fund (CEC). Fund	are architecture d all-source data I requirements a	analysis and de a fusion in the lanalysis for dev	ign for incorporation of one including radar, Identif	diverse applications in the E-2 ication Friend or Foe (IFF), Elec	ctronic

	EXHIBIT R-2a, RDT&E Project Justification							DATE:	Fobruary 2006
APPROPRIATION/BUDGET ACTIVITY RDT&E, N /	BA 7	PROGRAM EL 0204152N, E-2	EMENT NUMB		IE		PROJECT NUMBER	R AND NAME	February 2006
C. PROGRAM CHANGE SUMMARY									
Funding: Previous President's Budget: Current President's Budget: Total Adjustments	FY 2005 6.0 5.9 -0.0	08 2.222	FY 2007 1.540 1.540 0.000						
Summary of Adjustments Congressional Reductions Congressional Rescissions Congressional Undistributed Reduction	ons -0.0 0.0								
Economic Assumptions	0.0	-0.010	0.008						
Miscellaneous Adjustments	-0.04 Subtotal -0.09		-0.008 0.000						
Schedule changes are due to resolution of S	software Trouble Repo	18 (51 KS) III 5011	ware Systems t	Johnguration	3ei 03 (3C303	O).			
Technical: Not Applicable.					· ·				
Not Applicable. D. OTHER PROGRAM FUNDING SUMMARY:	FY 2005	FY 2006	FY 2007 203 572	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	
Not Applicable. D. OTHER PROGRAM FUNDING SUMMARY: APN-1/E-2C (LI# 14 & 15) APN-5/E-2C (LI# 37)	246.79 15.5	55 245.857 48 13.484	203.572 9.087	FY 2008 9.051	FY 2009 8.278	FY 2010 8.467	FY 2011 8.681	To Complete 54.650	696.184 127.246
Not Applicable. D. OTHER PROGRAM FUNDING SUMMARY: APN-1/E-2C (LI# 14 & 15) APN-5/E-2C (LI# 37)	246.7	55 245.857 48 13.484	203.572					•	696.184
Not Applicable. D. OTHER PROGRAM FUNDING SUMMARY: APN-1/E-2C (LI# 14 & 15) APN-5/E-2C (LI# 37) APN-6/E-2C (LI# 55)	246.79 15.59 6.59	55 245.857 48 13.484 30 0.446	203.572 9.087 0.515					•	696.184 127.246
Not Applicable. D. OTHER PROGRAM FUNDING SUMMARY: APN-1/E-2C (LI# 14 & 15)	246.79 15.59 6.59	55 245.857 48 13.484 30 0.446	203.572 9.087 0.515					•	696.184 127.246
Not Applicable. D. OTHER PROGRAM FUNDING SUMMARY: APN-1/E-2C (LI# 14 & 15) APN-5/E-2C (LI# 37) APN-6/E-2C (LI# 55)	246.79 15.59 6.59	55 245.857 48 13.484 30 0.446	203.572 9.087 0.515					•	696.184 127.246
Not Applicable. D. OTHER PROGRAM FUNDING SUMMARY: APN-1/E-2C (LI# 14 & 15) APN-5/E-2C (LI# 37) APN-6/E-2C (LI# 55) APN-1/APN-6 funding after FY07 is related to P.E. E. ACQUISITION STRATEGY:	246.79 15.59 6.59	55 245.857 48 13.484 30 0.446	203.572 9.087 0.515					•	696.184 127.246
Not Applicable. D. OTHER PROGRAM FUNDING SUMMARY: APN-1/E-2C (LI# 14 & 15) APN-5/E-2C (LI# 37) APN-6/E-2C (LI# 55) APN-1/APN-6 funding after FY07 is related to P.E. E. ACQUISITION STRATEGY:	246.79 15.59 6.59	55 245.857 48 13.484 30 0.446	203.572 9.087 0.515					•	696.184 127.246

Exhibit R-3 Cost Analysis (page 1)									DATE:	Februa	rv 2006	
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT				PROJECT I	NUMBER AN	ND NAME	1		.,	
RDT&E, N /	BA 7	0204152N, E-2 SQUADRONS					IMPROVEM					
RDTQL, N 7	Contract	0204102N, E-2 OQUADITONO				0403, L-20	FY 2006	ILIVIO	1			Target
	Method &		Total PY s	FY 2005	FY 2005	FY 2006	Award	FY 2007	FY 2007	Cost to		Value of
Cook Cotomorica		Danfarmaina Astivity O. Lagation		Cost	Award Date	Cost	Date	Cost	Award Date		Total Cost	Contract
Cost Categories	туре	Performing Activity & Location	Cost	Cost	Award Date	Cost	Date	Cost	Award Date	Complete	Total Cost	Contract
PRODUCT DEVELOPMENT	VARIOUS	VARIOUS	0.500	0.40	VARIOUS						0.570	
Primary Hdw Development		VARIOUS	8.532	.040							8.572	
Primary Hdw Development - ABC2		VARIOUS	.200	.734		.682	VARIOUS	.361	VARIOUS		1.977	
Primary Hdw Development - MSI		VARIOUS	1.467	.030	11/04						1.497	
Primary Hdw Development - SIAP	VARIOUS	VARIOUS		.090	04/05						.090	
SUBTOTAL PRODUCT DEVELOPMEN			10.199	.894		.682		.361			12.136	
Remarks:												
SUPPORT												
Development Support	WX	NAWCWD, CHINA LAKE CA		.284	10/04						.284	
Government Engineering		NAWCAD, PATUXENT RIVER MD	75.228	.661	10/04	.350	11/05	.200	11/06	Continuina	Continuing	
Government Engineering Support - SIAF	VARIOUS	TBD				.200	01/06	.200	01/07		Continuing	
Government Engineering Support - VAR		NAWCAD, PATUXENT RIVER MD	.300	.242	10/04					<u> </u>	.542	
SUBTOTAL SUPPORT			75.528	1.187		.550		.400		Continuing	Continuing	
TEST & EVALUATION												
Dev Test & Eval - ABC2 (Non-FFRDC)	VARIOUS	TBD				.319	11/05				.319	
Dev Test & Eval - AODS (Non-FFRDC)	WX	NAWCAD, PATUXENT RIVER MD		.626	10/04						.626	
Dev Test & Eval - MSI (Non-FFRDC)	VARIOUS	TBD						.180	02/07	Continuing	Continuing	
Dev Test & Eval - VARIOUS	WX	COM OFF COMLANTFLT, NORFOLK VA		.043	11/04						.043	
Dev Test & Eval - VARIOUS	WX	NAWCAD, PATUXENT RIVER MD		2.278	11/04	.341	11/05	.049	11/06	Continuing	Continuing	
SUBTOTAL TEST & EVALUATION				2.947		.660		.229		Continuing	Continuing	
Remarks:									Ι		T	
MANAGEMENT	1444	NAME OF THE PROPERTY OF THE PARTY OF THE PAR	1.004	500	44/04	.293	44/05	F00	44/00	Cambination	Comtinuis	
Program Management Support		NAWCAD, PATUXENT RIVER MD	1.921	.562	11/04	.293	11/05	.500	11/06	Continuing	Continuing	000
Program Management Support (Non-FF		ADVANCED INFORMATION ENGINEERING		.300	11/04	22=				0 11 1	.300	.300
Travel	VARIOUS	NAVAIR, PAXTUXENT RIVER MD	.184	.018	11/04	.037	11/05	.050			Continuing	
SUBTOTAL MANAGEMENT			2.105	.880		.330		.550	1	Continuing	Continuing	
Remarks:												
Total Cost			87.832	5.908		2.222		1.540		Continuing	Continuing	
Remarks:												

CLASSIFICATION:

EXHIBIT R4, Schedule	e Profile	е																							DATE	:	F	ebrua	ary 20	06		
APPROPRIATION/BUDGE RDT&E, N /	T ACTI\								PROG 02041				IUMBE RONS	R AND	NAMI	Ē					PROJ 0463,					1E						
Fiscal Year		FY	2005			FY 2	2006			FY 2	2007			FY 2	2008			FY 2	2009			FY 2	2010			FY	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	1	2	3	4
Acquisition Milestones																																
MSI PH I						Deplo	y																									
AODS			FQT	-		Deplo	y Inte	rim S/\	W to A	HE																						
ABC2	F SIPRI	NET FI	eet _{Tali} Sal	sman ber	\ \	: Warri Develo		ΙΛ.	06	JEFX ()6 Par	2																				
MSI PH II							JTFX ()6	Inte	erim D 2K	eploy			Tra	nsitior AHE QT	1																
SIAP BIk 0						Deplo	y																									
Production Milestones																																

CLASSIFICATION:

Exhibit R-4a, Schedule Detail						DATE:	February 20	ne
APPROPRIATION/BUDGET ACTIVITY	PROGRAM E	LEMENT			PROJECT NU	IMBER AND N		00
RDT8BA-7		2 SQUADRON	S			IPROVEMENT		
Schedule Profile	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	
MSI PH I Deploy		2Q						
AODS FQT	1Q - 4Q							
AODS Deploy		2Q						
AODS Interim S/W to AHE		4Q						
ABC2 Development	1Q - 4Q	1Q - 4Q	1Q - 4Q					
ABC2 HF SIPRNET Fleet Prototype	1Q							
ABC2 Talisman Saber	3Q							
ABC2 Trident Warrior		1Q						
ABC2 Joint Expeditionary Force Exercise (JEFX) 06		4Q						
ABC2 JEFX 06 Part 2			2Q					
MSI PH II FQT	1Q - 4Q	1Q - 4Q	1Q - 4Q	1Q - 4Q				
MSI PH II Joint Task Force Exercise (JTFX)		3Q						
MSI Ph II Interm Deploy HE2K			1Q					
MSI PH II Transition to AHE				2Q				
SIAP Blk 0	1Q-4Q							
SIAP Blk 0 Deploy HE2K		2Q						
. ,								

	EXHIBIT	EXHIBIT R-2a, RDT&E Project Justification							DATE: February 2006
APPROPRIATION/BUDGET ACTIVITY RDT&E, N /		PROGRAM EI 0204152N, E-	_		МЕ		PROJECT NU 9999, CONGR		NAME
COST (\$ in Millions) 9999 CONGRESSIONAL ADDS	FY 2005 *12.347	FY 2006 **14.800	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		1
RDT&E Articles Qty Not Applicable									

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

CONGRESSIONAL ADDS.

*The FY 2005 budget reflects the following Congressional adds: \$2.1M for E-2C Program Support Activity (PSA)/E-2C Hawkeye Propeller Safety and Reliability which has been revised by \$.022 for Congressional Undistributed Adjustments, \$.019 for Small Business Innovation Research (SBIR), and \$.002 for Department of Energy for a final amount of \$2.057M; \$1.7M for Non-Cooperative Combat Identification Capability which has been revised by \$.016 for Congressional Undistributed Adjustments, \$.038 for SBIR, and .001 for Department of Energy for a final amount of \$1.645M; \$5.1M for PMRF Net-Centric Test Bed/Advanced Hawkeye (AHE) Testing which has been revised by \$.046 for Congressional Undistributed Adjustments, \$.116 for SBIR, and \$.004 Department of Energy for a final amount of \$4.934M; \$2.8M for Airborne Data Terminal Set which has been revised by \$.027 for Congressional Undistributed Adjustments, \$.049 for SBIR, and \$.002 for Department of Energy for a final amount of \$2.722M; and \$1.0M for Magneto Rheological Shock Engine Mount which has been revised by \$.010 for Congressional Undistributed Adjustments, and \$.001 for Department of Energy for a final amount of \$9.889M.

**The FY 2006 budget reflects the following Congressional adds: \$2.1M for E-2C Program Support Activity (PSA); \$1.3M for Non-Cooperative Combat Identification Capability; \$3.4M for PMRF Net-Centric Test Bed/Advanced Hawkeye (AHE) Testing; \$1.0M for Magneto Rheological Shock Engine Mount; \$2.6M for Airborne Advance Network; \$1.0M for Global Information Grid Middleware Portal; \$3.4M for Pacific Missile Range Facility Makaha Ridge FORCENet Lab.

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Exhibit R-2 RDTEN Budget Item Justification
(Exhibit R-2, Page 9 of 13)

	EXHIBI	IT R-2a, RDT&I	E Project Justif	fication		DATE:
APPROPRIATION/BUDGET ACTIVITY				MBER AND NAM		February 2006 NUMBER AND NAME
RDT&E, N /	BA 7	0204152N, E	-2 SQUADRO	NS	9999, CON	GRESSIONAL ADDS
B. ACCOMPLISHMENTS / PLANNED PROGRAM:						
	FY 2005	FY 2006	FY 2007			
Accomplishments / Effort / Sub-total Cost	2.05		1 2007			
RDT&E Articles Qty	2.00	7 2.100	,			
9418-E2C Program Support Activity-SBIR Phase III			1	L		
Congressional Add for E-2C Program Support Activity	/.					
Supported development and testing of Model Driven S	software architecture a	and Publish/Sub	oscribe Middlev	ware for E-2 Hav	keye mission computer.	
	FY 2005	FY 2006	FY 2007			
Accomplishments / Effort / Sub-total Cost	1.64	5 1.300				
RDT&E Articles Qty						
9419-Non-Cooperative Combat Identification Capabilit	ty					
Congressional Add for E-2C Program Support Activity						
	FY 2005	FY 2006	FY 2007			
Accomplishments / Effort / Sub-total Cost	4.93	4 3.400)			
RDT&E Articles Qty						
9420- PMRF Net-Centric Test Bed/Adv Hawkeye Test	ing					
Congressional Add for PMRF Net-Centric Test Bed/A	dvanced Hawkeye Te	etina				
Supported science and technology and advanced tec	hnology demonstration	on initiatives for	potential transi	ition to the F-2C	Hawkeye program	
Cupported deletion and teermology and developed tee	iniology domonoration	511 II I	potoritiai tranoi	11011 10 1110 12 20	namoyo program.	
						<u> </u>

UNCLASSIFIED

R-1 Shopping List Item No 171

R-1 Shopping List Item No 171

Exhibit R-2 RDTEN Budget Item Justification (Exhibit R-2, Page 10 of 13)

	EXHIBI	T R-2a, RDT	&E Project Justif	ication		DATE:
						February 2006
APPROPRIATION/BUDGET ACTIVITY				MBER AND NAME	PROJECT NUMBER AND N	
RDT&E, N /	BA 7	0204152N,	E-2 SQUADRO	NS	9999, CONGRESSIONAL AI	DDS
						
	FY 2005	FY 2006	FY 2007			
Accomplishments / Effort / Sub-total Cost	2.722	2				
RDT&E Articles Qty						
9615-Airborne Data Terminal Set (DTS)						
Enhanced the Advanced Hawkeye data communications	capability.					
	IEV 0005	FV 0000	FV 0007	1		
Accomplishments / Effort / Sub-total Cost	FY 2005 .989	FY 2006 1.0	FY 2007			
Accomplishments / Effort / Sub-total Cost	.988	1.0	00			
RDT&E Articles Qty						
9616-Magneto Rheological Shock Engine Mount						
Congressional Add for Magneto Rheological (MR) Shock Fund research, develop and test an airworthy MR shock r		C aircraft.				

UNCLASSIFIED

R-1 Shopping List Item No 171

R-1 Shopping List Item No 171

Exhibit R-2 RDTEN Budget Item Justification (Exhibit R-2, Page 11 of 13)

	FXH	IBIT R-2a, RDT&E Project Justification	DATE:
	E/(II	iBH IV 24, IVB IVE I Toject ductilication	February 2006
PPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NAME
DT&E, N /	BA 7	0204152N, E-2 SQUADRONS	9999, CONGRESSIONAL ADDS
		•	
	FY 2005	FY 2006 FY 2007	
complishments / Effort / Sub-total Cost		2.600	
T&E Articles Qty			
14-Airborne Advanced Network			
Congressional Add for Airborne Advanced Network.			
Develop air-to-air kill chain networking techniques and	d applications to im	aprove intereperability and level of service	
Develop all-to-all kill chain networking techniques and	a applications to in	iprove interoperability and level of service.	
	I=\(FV 0000	
	FY 2005	FY 2006 FY 2007	
complishments / Effort / Sub-total Cost		1.000	
T&E Articles Qty			
45-Global Information Grid			
Congressional Add for Global Information Grid Mid	dleware Portal.		
Development of a services oriented Architecture to	provide network	centric enterprise services.	
	FY 2005	FY 2006 FY 2007	
complishments / Effort / Sub-total Cost	1 1 2003	3.400	
T&E Articles Qty		3.400	
46-Pacific Missile Range Facility Pearl Harbor			
to-Facilic Wilssile Italige Facility Feari Flarbor			
Congressional Add for Pacific Missile Range Facility	Makaha Ridge FO	RCENet Lab.	
Fund Cooperative Engagement Capability (CEC) like	capability for Maka	aha Ridge to connect to Pearl Harbor CEC network.	
3.9 , (,	7		

UNCLASSIFIED

R-1 Shopping List Item No 171

R-1 Shopping List Item No 171

Exhibit R-2 RDTEN Budget Item Justification (Exhibit R-2, Page 12 of 13)

EXHIBIT R-2a, RDT&E Project Justification								DATE: February 2006	
APPROPRIATION/BUDGET ACTIVITY RDT&E, N /		PROGRAM ELEMENT NUMBER AND NAME 0204152N, E-2 SQUADRONS				PROJECT NUMBER AND N 9999, CONGRESSIONAL A		NAME	
C. PROGRAM CHANGE SUMMARY									
Funding: Previous President's Budget: Current President's Budget: Total Adjustments	FY 2005 12.576 12.347 -0.229	14.800	FY 2007 0.000 0.000 0.000						
Summary of Adjustments Congressional Reductions Congressional Rescissions Congressional Undistributed Reductions Congressional Increases Economic Assumptions Miscellaneous Adjustments Subto	-0.232 0.003 tal -0.229	14.800	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 Complete	Total Cost
E. ACQUISITION STRATEGY: Not Applicable.									