

EXHIBIT R-2, RDT&E Budget Item Justification

DATE:

February 2006

APPROPRIATION/BUDGET ACTIVITY

RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY /

BA 5

R-1 ITEM NOMENCLATURE

0604221N, P-3 MODERNIZATION PROGRAM

COST (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	
Total PE Cost	11.838	10.637	16.139	8.638	3.572	3.563	3.610	
1152 P-3 SENSOR INTEGRATION	5.855	4.319	14.036	6.493	1.422	1.343	1.316	
3016 FATIGUE LIFE MANAGEMENT PROGRAM	2.120	2.968	2.103	2.145	2.150	2.220	2.294	
9368 ALR-95 SEI NETWORKING PROGRAM	2.898							
9551 PERSONAL DIGITAL ASSISTANT MAINTENANCE	.965							
9999, CONGRESSIONAL ADDS		3.350						

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

This program provides for P-3C aircraft systems development in subsurface and surface surveillance, search, detection, localization, classification, attack and communications in support of Sea Shield/Sea Power 21. The P-3C Sensor Integration project integrates advanced and future ASW and ASuW sensors, weapons systems, and supporting technology into legacy P-3C systems and phased capabilities upgrades. Also, P-3 Sensor Integration will expand software and hardware technology of P-3 systems to integrate additional sensor and processing capabilities, environmental prediction tools, tactical decision aides, color capabilities and communications to improve aircrew tactical proficiency and battlespace awareness. Sensor Integration is a continuous effort to integrate and test newly evolving ASW and ASuW technologies such as Analyzer Sub-Unit and System Controller Technology Insertions, "Extended Echo Ranging" (EER) family of Multi-Static active systems, Acoustic Rapid Cots Insertion (ARCI), Non-acoustic ASW sensors and systems, and future Technical Refresh insertions for obsolescence and processing improvements. Develop interface control for ASW weapon improvement solutions. The Over the Horizon (OTH) Wideband system will provide the P-3C AIP aircraft the capability to conduct OTH Satellite communications which will allow the on-station aircraft to transmit real time sensitive acoustic intelligence data which will maximize enemy detections, tracking, and engagement opportunities.

Fatigue Life Management Program is required to manage P-3/EP-3 inventory fatigue life and includes ongoing structural analysis, analyzing emergent structural issues, conducting engineering studies, assessing Fleet impact, and applying new technologies such as Non-Destructive Inspection (NDI) techniques.

ALR-95 SEI Networking Program will provide Specific Emitter Identification (SEI) connectivity to common tactical networks. The ALR-95 Radio Frequency Distribution (RFD) will upgrade the system of the ALR-95 with fiber optic cable to reduce losses and improve performance. The ALR-95 electronic support measures (ESM) system specific emitter identification (SEI) networking and performance enhancement upgrade.

The Personal Digital Assistant Maintenance Application Program (PDA MAP) will reduce paper data collection and manual data entry process associated with scheduled maintenance inspections. PDA MAP will improve efficiency, increase data collection accuracy, and reduce Naval Aviation Logistics Command Management Information System (NALCOMIS) data entry time.

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EXHIBIT R-2a, RDT&E Project Justification								DATE: February 2006	
APPROPRIATION/BUDGET ACTIVITY RDT&E, N /		BA 5		PROGRAM ELEMENT NUMBER AND NAME 0604221N, P-3 MODERNIZATION PROGRAM				PROJECT NUMBER AND NAME 1152, P-3 SENSOR INTEGRATION	
COST (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		
1152 P-3 SENSOR INTEGRATION	5.855	4.319	14.036	6.493	1.422	1.343	1.316		
RDT&E Articles Qty									

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

This program provides for P-3C aircraft systems development in subsurface and surface surveillance, search, detection, localization, classification, attack and communications in support of Sea Shield/Sea Power 21. The P-3C Sensor Integration project integrates advanced and future ASW and ASuW sensors, weapons systems, and supporting technology into legacy P-3C systems and phased capabilities upgrades. The program also advances Air ARCI efforts by replacing legacy MIL-SPEC UYS-1 with increasingly open, COTS-based architecture. Also, P-3 Sensor Integration will expand software and hardware technology of P-3 systems to integrate additional sensor and processing capabilities, environmental prediction tools, tactical decision aides, color capabilities and communications to improve aircrew tactical proficiency and battlespace awareness. Sensor Integration is a continuous effort to integrate and test newly evolving ASW and ASuW technologies such as Analyzer Sub-Unit (ASU) and System Controller (SC) Technology Insertions, "Extended Echo Ranging" (EER) family of Multi-Static active systems, Acoustic Rapid Cots Insertion (ARCI), Non-acoustic ASW sensors and systems, and future Technical Refresh insertions for obsolescence and processing improvements. Develop interface control for ASW weapon improvement solutions. The Over the Horizon (OTH) Wideband system will provide the P-3C AIP aircraft the capability to conduct OTH Satellite communications which will allow the on-station aircraft to transmit real time sensitive acoustic intelligence data which will maximize enemy detections, tracking and engagement opportunities.

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EXHIBIT R-2a, RDT&E Project Justification				DATE: February 2006
APPROPRIATION/BUDGET ACTIVITY RDT&E, N /		PROGRAM ELEMENT NUMBER AND NAME BA 5 0604221N, P-3 MODERNIZATION PROGRAM		PROJECT NUMBER AND NAME 1152, P-3 SENSOR INTEGRATION
B. ACCOMPLISHMENTS / PLANNED PROGRAM:				
	FY 2005	FY 2006	FY 2007	
Accomplishments / Effort / Sub-total Cost			11.000	
RDT&E Articles Qty				
<p>The OTH Wideband program will provide P-3C AIP aircraft the capability to conduct OTH Satellite communications. Specifically, this program will design, develop, integrate and evaluate this capability on the P-3C AIP aircraft.</p>				
	FY 2005	FY 2006	FY 2007	
Accomplishments / Effort / Sub-total Cost	3.844			
RDT&E Articles Qty				
<p>P-3 Critical Obsolescence Program (COP): Integration, prototyping, testing, aircraft support, logistics, contracting, engineering, and program management of the five COP systems (HF Radio, Data Link, Infrared Detection, Tactical ASW Auto-Pilot, and Inter Communications).</p>				
	FY 2005	FY 2006	FY 2007	
Accomplishments / Effort / Sub-total Cost	2.011	4.319	3.036	
RDT&E Articles Qty				
<p>This program provides for P-3C aircraft systems development in subsurface and surface surveillance, search, detection, localization, classification, attack and communications in support of Sea Shield/Sea Power 21. The P-3C Sensor Integration project integrates advanced and future ASW and ASuW sensors, weapons systems, and supporting technology into legacy P-3C systems and phased capabilities upgrades. Also, P-3 Sensor Integration will expand software and hardware technology of P-3 systems to integrate additional sensor and processing capabilities, environmental prediction tools, tactical decision aides, color capabilities and communications to improve aircrew tactical proficiency and battlespace awareness. Sensor Integration is a continuous effort to integrate and test newly evolving ASW and ASuW technologies such as Analyzer Sub-Unit (ASU) and System Controller (SC) Technology Insertions, "Extended Echo Ranging" (EER) family of Multi-Static active systems, Acoustic Rapid Cots Insertion (ARCI), Non-acoustic ASW sensors and systems, Digital Sono Receiver, and future Technical Refresh insertions for obsolescence and processing improvements. Develop interface control for ASW weapon improvement solutions.</p>				

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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 5		0604221N, P-3 MODERNIZATION PROGRAM		1152, P-3 SENSOR INTEGRATION
C. PROGRAM CHANGE SUMMARY				
Funding:		FY 2005	FY 2006	FY 2007
Previous President's Budget:		6.124	4.387	3.215
Current BES / President's Budget:		5.855	4.319	14.036
Total Adjustments		-0.269	-0.068	10.821
Summary of Adjustments				
Congressional Reductions			-0.002	
Congressional Rescissions				
Congressional Undistributed Reductions		-0.027	-0.046	
Congressional Increases				
Economic Assumptions			-0.020	0.067
Miscellaneous Adjustments		-0.242		10.754
Subtotal		-0.269	-0.068	10.821
Schedule:				
The P-3 ARCI program and Future Fleet Technology Insertion milestone moved from 2Q/06 to 2Q/05 to meet an emergent priority requirement for implementing improvements into the USQ-78.				
Technical:				
N/A				

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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 5		0604221N, P-3 MODERNIZATION PROGRAM			1152, P-3 SENSOR INTEGRATION			
D. OTHER PROGRAM FUNDING SUMMARY:		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Cost
BLI 0538 P-3 Critical Obsolescence Program (COP) (OSIP 04-04)		24.267	34.169	43.697	42.120	46.174	39.698	35.462	264.718	530.305
E. ACQUISITION STRATEGY: The Air Deployable Active Receiver/Improved Extended Echo Ranging (IEER) Operational Requirements Document (Ser# 297(1)-05-97)) for 1152 was approved on 29 December 1997. The P-3 ASUW Improvement Program (AIP) ORD (Ser#355-88-94) for 2417 was approved on 30 March 1994. The Acquisition Plan (AIR-93-08A Rev 2) was approved on 30 March 1998. The ASR (AIR-ASR-26A Rev 3) was approved 29 Nov 1999 which includes Over the Horizon (OTH) Wideband system.										

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Exhibit R-3 Cost Analysis (page 1)								02/06		DATE: February 2006				
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT					PROJECT NUMBER AND NAME							
RDT&E, N /		0604221N, P-3 MODERNIZATION PROGRAM					1152, P-3 SENSOR INTEGRATION							
Contract Method & Type		Performing Activity & Location			Total PY s Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Cost Categories														
PRODUCT DEVELOPMENT														
Primary Hdw Development-LM Eagan		C-FP	LOCKHEED MARTIN CORP, EAGAN, MN							5.700	10/31/2006	.799	6.499	6.499
Systems Eng - LM Eagan		SS-CPFF	LOCKHEED MARTIN CORP, EAGAN, MN							2.850	10/31/2006	1.300	4.150	4.150
Systems Eng - LOCKHEED-MARTIN		SS-CPFF	LOCKHEED MARTIN CORP, MANASSAS, VA			1.741	2/15/2005			1.436	1/30/2007		3.177	3.177
Systems Eng - VARIOUS		VARIOUS	VARIOUS			30.440	.050	1/15/2005	2.132	1/8/2006		Continuing	Continuing	
All other PY Product Development Cost						6.425								6.425
SUBTOTAL PRODUCT DEVELOPMENT						36.865	1.791		2.132	9.986		Continuing	Continuing	
Remarks:														
SUPPORT														
OTH Software Development-NAWC PAX		WX	NAWCAD, PATUXENT RIVER MD							.850	10/31/2006	.400	1.250	
Software Development -NAWC PAX		WX	NAWCAD, PATUXENT RIVER MD			2.897	.200	1/19/2005	.500	1/8/2006	1.600	1/8/2007	Continuing	Continuing
All other PY Support Cost						22.340							22.340	22.340
SUBTOTAL SUPPORT						25.237	.200		.500	2.450		Continuing	Continuing	
Remarks:														
TEST & EVALUATION														
Dev Test & Eval -NAWC PAX		WX	NAWCAD, PATUXENT RIVER MD			2.241	1.642	1/8/2005	.650	1/8/2006		Continuing	Continuing	
OTH Test Support		WX	NAWCAD, PATUXENT RIVER MD							.350	10/31/2006	.150	.500	
SUBTOTAL TEST & EVALUATION						2.241	1.642		.650	.350		Continuing	Continuing	
Remarks:														
MANAGEMENT														
Government Program Management Support		WX	NAWCAD, PATUXENT RIVER MD			.794	.988	1/8/2005	.400	1/8/2006		Continuing	Continuing	
Government Tech Support		WX	NAWCAD, PATUXENT RIVER MD			.366	.500	1/8/2005	.450	1/8/2006		Continuing	Continuing	
Government Tech Support - MITRE		MIPR	THE MITRE CORPORATION, MCLEAN VA				.070	2/10/2005					.070	
Logistics Support		WX	NAWCAD, PATUXENT RIVER MD			.370	.664	1/8/2005	.187	1/8/2006		Continuing	Continuing	
OTH Government Eng Sup-NAWC PAX		WX	NAWCAD, PATUXENT RIVER MD							.500	10/31/2006	.250	.750	
OTH Government Tech Support		WX	NAWCAD, PATUXENT RIVER MD							.250	10/31/2006	.100	.350	
OTH Logistics Support		WX	NAWCAD, PATUXENT RIVER MD							.250	10/31/2006	.100	.350	
OTH Program Management Support		WX	NAWCAD, PATUXENT RIVER MD							.250	10/31/2006	.100	.350	
All other PY Management Cost						13.060							13.060	
SUBTOTAL MANAGEMENT						14.590	2.222		1.037	1.250		Continuing	Continuing	
Remarks:														
Total Cost						78.933	5.855		4.319	14.036		Continuing	Continuing	
Remarks:														

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EXHIBIT R4, Schedule Profile

DATE:

February 2006

APPROPRIATION/BUDGET ACTIVITY

RDT&E, N / BA-5

PROGRAM ELEMENT NUMBER AND NAME

0604221N, P-3 MODERNIZATION PROGRAM

PROJECT NUMBER AND NAME

1152, P-3 SENSOR INTEGRATION

Fiscal Year	FY 2005				FY 2006				FY 2007				FY 2008				FY 2009				FY 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
EER Multi-Static Active Sensor System Support																																
EER Fleet Technology Insertion																																
P-3 Critical Obsolescence Program Integration & Test																																
P-3 Critical Obsolescence Program Kits & Installation																																
P-3 ARCI program and Future Fleet Technology Insertion																																
OTH Wideband																																

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R-1 Shopping List Item No 89

Exhibit R-4, Schedule Profile
(Exhibit R-4, page 7 of 25)

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EXHIBIT R-2a, RDT&E Project Justification								DATE: February 2006	
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA 5		PROGRAM ELEMENT NUMBER AND NAME 0604221N, P-3 MODERNIZATION PROGRAM					PROJECT NUMBER AND NAME 3016, FATIGUE LIFE MANAGEMENT PROGRAM		
COST (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		
3016 FATIGUE LIFE MANAGEMENT PROGRAM	2.120	2.968	2.103	2.145	2.150	2.220	2.294		
RDT&E Articles Qty									
<p>A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</p> <p>Fatigue Life Management Program is required to manage P-3/EP-3 inventory fatigue life and includes ongoing structural analysis, analyzing emergent structural issues, conducting engineering studies, assessing Fleet impact, and applying new technologies such as Non-Destructive Inspection (NDI) techniques.</p>									

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EXHIBIT R-2a, RDT&E Project Justification				DATE: February 2006
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA 5		PROGRAM ELEMENT NUMBER AND NAME 0604221N, P-3 MODERNIZATION PROGRAM		PROJECT NUMBER AND NAME 3016, FATIGUE LIFE MANAGEMENT PROGRAM
B. ACCOMPLISHMENTS / PLANNED PROGRAM:				
	FY 2005	FY 2006	FY 2007	
Accomplishments / Effort / Sub-total Cost	2.120	2.968	2.103	
RDT&E Articles Qty				
<p>Fatigue Life Management Program : Manage P-3/EP-3 inventory fatigue life including conducting structural analysis, analyzing structural issues, conducting engineering studies, assessing Fleet impact. Research, test and apply new Fatigue Inspection techniques to the P-3/EP-3 Fleet.</p>				

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EXHIBIT R-2a, RDT&E Project Justification		DATE: February 2006
APPROPRIATION/BUDGET ACTIVITY RDT&E, N /	BA 5	PROGRAM ELEMENT NUMBER AND NAME 0604221N, P-3 MODERNIZATION PROGRAM
		PROJECT NUMBER AND NAME 3016, FATIGUE LIFE MANAGEMENT PROGRAM
C. PROGRAM CHANGE SUMMARY		
Funding:	FY 2005	FY 2006
Previous President's Budget:	2.954	3.014
Current BES / President's Budget:	2.120	2.968
Total Adjustments	-0.834	-0.046
Summary of Adjustments		
Congressional Reductions		
Congressional Rescissions		
Congressional Undistributed Reductions	-0.059	-0.032
Congressional Increases		
Economic Assumptions		0.084
Miscellaneous Adjustments	-0.775	-0.011
Subtotal	-0.834	-0.046
Schedule:		
Not Applicable		
Technical:		
Not Applicable		

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EXHIBIT R-2a, RDT&E Project Justification							DATE: February 2006	
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA 5		PROGRAM ELEMENT NUMBER AND NAME 0604221N, P-3 MODERNIZATION PROGRAM				PROJECT NUMBER AND NAME 3016, FATIGUE LIFE MANAGEMENT PROGRAM		
D. OTHER PROGRAM FUNDING SUMMARY: N/A		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011 To Complete Total Cost
<p>E. ACQUISITION STRATEGY:</p> <p>The Fatigue Life Management Program leverages off of prior work done under P-3 SLAP (2451). The ASUW Improvement Program (AIP) ORD 355-88-94 was approved 30 March 94. PMP #0526 Ser 902D1/6U324405 was approved on 6 Feb 1986. Navy Decision Coordination Paper W-0484-AS was signed 23 Jun 1984. Work will be performed by LMAS and other industry participants along with the NAVAIR Structural Engineering Dept, AIR-4.3. This program supports the 7 June 2003 CNO approved P-3/EP-3 Sustainment Bridge to MMA.</p>								

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Exhibit R-3 Cost Analysis (page 1)										DATE: February 2006		
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA 5		PROGRAM ELEMENT 0604221N, P-3 MODERNIZATION PROGRAM				PROJECT NUMBER AND NAME 3016, FATIGUE LIFE MANAGEMENT PROGRAM						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost to Complete	Total Cost	Target Value of Contract
PRODUCT DEVELOPMENT												
SYSTEMS ENGINEERING -LOCKHEED	C-CPIF	LOCKHEED MARTIN CORPORATION, MARIE		.401	1/4/2005	2.268	1/4/2006	1.403	1/4/2007	6.009	10.081	10.081
SUBTOTAL PRODUCT DEVELOPMENT				.401		2.268		1.403		6.009	10.081	
Remarks:												
SUPPORT												
SUBTOTAL SUPPORT												
Remarks:												
TEST & EVALUATION												
SUBTOTAL TEST & EVALUATION												
Remarks:												
MANAGEMENT												
Government Eng Sup	WX	NAWCAD, PATUXENT RIVER MD		1.719	12/30/2004	.700	12/5/2005	.700	12/31/2006	2.800	5.919	
SUBTOTAL MANAGEMENT				1.719		.700		.700		2.800	5.919	
Remarks:												
Total Cost				2.120		2.968		2.103		8.809	16.000	
Remarks:												

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EXHIBIT R4, Schedule Profile																								DATE:				February 2006					
APPROPRIATION/BUDGET ACTIVITY										PROGRAM ELEMENT NUMBER AND NAME										PROJECT NUMBER AND NAME													
RDT&E, N / BA-5										0604221N P-3 Modernization Program										3016, FATIGUE LIFE MANAGEMENT PROGRAM													
Fiscal Year	2004				2005				2006				2007				2008				2009				2010				2011				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Inventory Fatigue Life Management/Sustainment																																	

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EXHIBIT R-2a, RDT&E Project Justification								DATE:
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUMBER AND NAME					PROJECT NUMBER AND NAME	
RDT&E, N / BA 5		0604221N, P-3 MODERNIZATION PROGRAM					9368, ALR-95 SEI NETWORKING PROGRAM	
COST (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	
9368 ALR-95 SEI NETWORKING PROGRAM	2.898							
RDT&E Articles Qty								
<p>A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</p> <p>The U.S. Navy P-3C "Orion" is increasingly being tasked to conduct long-endurance standoff maritime surveillance operations. In support of these missions, the P-3C is being upgraded with the Anti-Surface Warfare Improvement Program (AIP). AIP incorporates a number of sensor system additions to the aircraft. Among these enhancements are a SAR/ISAR radar for high resolution target identification, a long range electro-optical surveillance system, communications and survivability enhancements and the new ALR-95 electronic support measures (ESM) system. Phased Capability Upgrade (PCU), encompasses improvements to the aircraft including Link 16, Global Command and Control System-Maritime (GCCS-M), Integrated Tactical Picture (ITP) Precision Targeting Workstation (PTW), Architecture Upgrade, ALR 95 Geo-Location, ALR 95 Networking, and Tactical Common Data Link (TCDL). PCU will provide sensor and C4I modernization which will enhance the Carrier Strike Group/ Expeditionary Strike Group (CSG/ESG) integration and a bridge to the Multi-Mission Maritime Aircraft (MMA) architecture. The new ESM System includes Specific Emitter Identification (SEI) capability that permits the P-3 to passively detect, identify and track high interest targets at extremely distant ranges. Currently, the P-3 shares intelligence associated with SEI contacts only with ground-based Tactical Support Center. There is an urgent fleet requirement to ensure the P-3 can connect with other fleet and ISR platforms to exchange SEI contact information in real time. The FY05 Congressional Add of \$1.5M provides ALR-95 electronic support measures (ESM)system specific emitter identification (SEI) networking and performance enhancement upgrade. The FY05 Congressional Add of \$1.5M for the ALR-95 RFD will upgrade the Radio Frequency Distribution system of the ALR-95 with fiber optic cable to reduce losses and improve performance.</p>								

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EXHIBIT R-2a, RDT&E Project Justification				DATE:
APPROPRIATION/BUDGET ACTIVITY RDT&E, N /		PROGRAM ELEMENT NUMBER AND NAME BA 5 0604221N, P-3 MODERNIZATION PROGRAM		PROJECT NUMBER AND NAME 9368, ALR-95 SEI NETWORKING PROGRAM
B. ACCOMPLISHMENTS / PLANNED PROGRAM:				
	FY 2005	FY 2006	FY 2007	
Accomplishments / Effort / Sub-total Cost	2.898			
RDT&E Articles Qty				
<p>The SEI system as deployed is not equipped to handle the large increase of high interest targets that have resulted from the wide-ranging war on terrorism. These shortcomings can be addressed with upgrades to the system. The system will be upgraded to conform to the Navy's standard tactical message format. In addition, upgraded CPU cards and SEI card sets will be selected and tested to change significantly the ability to handle many targets in a single area. The FY05 Congressional Add of \$1.5M provides ALR-95 electronic support measures (ESM)system specific emitter identification (SEI) networking and performance enhancement upgrade. The FY-05 Congressional Add for the ALR-95 RFD will upgrade the Radio Frequency Distribution system of the ALR-95 with fibre optic cable to reduce losses and improve performance.</p>				

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EXHIBIT R-2a, RDT&E Project Justification				DATE:
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUMBER AND NAME		PROJECT NUMBER AND NAME
RDT&E, N /		BA 5		0604221N, P-3 MODERNIZATION PROGRAM
				9368, ALR-95 SEI NETWORKING PROGRAM
C. PROGRAM CHANGE SUMMARY				
Funding:				
FY 2005 FY 2006 FY 2007				
Previous President's Budget: 2.971				
Current BES / President's Budget: 2.898				
Total Adjustments -0.073				
Summary of Adjustments				
Congressional Reductions				
Congressional Rescissions				
Congressional Undistributed Reductions -0.073				
Congressional Increases				
Economic Assumptions				
Miscellaneous Adjustments				
Subtotal -0.073				
Schedule:				
Not Applicable				
Technical:				
Not Applicable				

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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 5		0604221N, P-3 MODERNIZATION PROGRAM					9368, ALR-95 SEI NETWORKING PROGRAM			
D. OTHER PROGRAM FUNDING SUMMARY:		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Cost
N/A										
E. ACQUISITION STRATEGY:										
Existing Sole Source FFP contract to EDO										

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APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUMBER AND NAME					PROJECT NUMBER AND NAME	
RDT&E, N / BA 5		0604221N, P-3 MODERNIZATION PROGRAM					9551, PERSONAL DIGITAL ASSISTANT MAINTENANCE APP	
COST (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	
9551 PERSONAL DIGITAL ASSISTANT MAINTENANCE	.965							
RDT&E Articles Qty								
<p>A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</p> <p>The Personal Digital Assistant Maintenance Application Program (PDA MAP) will reduce paper data collection and manual data entry process associated with scheduled maintenance inspections. PDA MAP will improve efficiency, increase data collection accuracy, and reduce Naval Aviation Logistics Command Management Information System (NALCOMIS) data entry time.</p>								

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APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA 5		PROGRAM ELEMENT NUMBER AND NAME 0604221N, P-3 MODERNIZATION PROGRAM		PROJECT NUMBER AND NAME 9551, PERSONAL DIGITAL ASSISTANT MAINTENANCE APP
B. ACCOMPLISHMENTS / PLANNED PROGRAM:				
	FY 2005	FY 2006	FY 2007	
Accomplishments / Effort / Sub-total Cost	.965			
RDT&E Articles Qty				
<div style="border: 1px solid black; padding: 10px; min-height: 150px;"><p>The Personal Digital Assistant Maintenance Application Program (PDA MAP) will reduce paper data collection and manual data entry process associated with scheduled maintenance inspections. PDA MAP will improve efficiency, increase data collection accuracy, and reduce Naval Aviation Logistics Command Management Information System (NALCOMIS) data entry time.</p></div>				

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EXHIBIT R-2a, RDT&E Project Justification				DATE: February 2006
APPROPRIATION/BUDGET ACTIVITY RDT&E, N /	BA 5	PROGRAM ELEMENT NUMBER AND NAME 0604221N, P-3 MODERNIZATION PROGRAM	PROJECT NUMBER AND NAME 9551, PERSONAL DIGITAL ASSISTANT MAINTENANCE APP	
C. PROGRAM CHANGE SUMMARY				
Funding:	FY 2005	FY 2006	FY 2007	
Previous President's Budget:	0.989	0.000	0.000	
Current BES / President's Budget:	0.965	0.000	0.000	
Total Adjustments	-0.024	0.000	0.000	
Summary of Adjustments				
Congressional Reductions				
Congressional Rescissions				
Congressional Undistributed Reductions	-0.024			
Congressional Increases				
Economic Assumptions				
Miscellaneous Adjustments				
Subtotal	-0.024	0.000	0.000	
Schedule:				
Not Applicable				
Technical:				
Not Applicable				

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EXHIBIT R-2a, RDT&E Project Justification								DATE: February 2006	
APPROPRIATION/BUDGET ACTIVITY RDT&E, N /		PROGRAM ELEMENT NUMBER AND NAME BA 5		PROGRAM ELEMENT NUMBER AND NAME 0604221N, P-3 MODERNIZATION PROGRAM			PROJECT NUMBER AND NAME 9551, PERSONAL DIGITAL ASSISTANT MAINTENANCE APP		
D. OTHER PROGRAM FUNDING SUMMARY:		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete Total Cost
N/A									
E. ACQUISITION STRATEGY: Sole source contract to Computer Products, Inc for the engineering and manufacturing development of the Personal Digital Assistant Maintenance Application.									
:									

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EXHIBIT R-2a, RDT&E Project Justification							DATE:	
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUMBER AND NAME					PROJECT NUMBER AND NAME	
RDT&E, N / BA 5		0604221N, P-3 MODERNIZATION PROGRAM					9999, CONGRESSIONAL ADDS	
COST (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	
9999 CONGRESSIONAL ADDS		3.350						
RDT&E Articles Qty								
A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:								
Congressional Adds								

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EXHIBIT R-2a, RDT&E Project Justification				DATE: February 2006	
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA 5		PROGRAM ELEMENT NUMBER AND NAME 0604221N, P-3 MODERNIZATION PROGRAM		PROJECT NUMBER AND NAME 9999, CONGRESSIONAL ADDS	
B. ACCOMPLISHMENTS / PLANNED PROGRAM:					
9368	FY 2005	FY 2006	FY 2007		
Accomplishments / Effort / Sub-total Cost		1.350			
RDT&E Articles Qty					
ALR-95 ESM SYSTEMS SEI NETWORKING AND PERFORMANCE UPGRADE					
<p>The SEI system as deployed is not equipped to handle the large increase of high interest targets that have resulted from the wide-ranging war on terrorism. These shortcomings can be addressed with upgrades to the system. The system will be upgraded to conform to the Navy's standard tactical message format. In addition, upgraded CPU cards and SEI card sets will be selected and tested to change significantly the ability to handle many targets in a single area.</p>					
9551	FY 2005	FY 2006	FY 2007		
Accomplishments / Effort / Sub-total Cost		1.000			
RDT&E Articles Qty					
PERSONAL DIGITAL ASSISTANT MAINTENANCE APPLICATION					
<p>The Personal Digital Assistant Maintenance Application Program (PDA MAP) will reduce paper data collection and manual data entry process associated with scheduled maintenance inspections. PDA MAP will improve efficiency, increase data collection accuracy, and reduce Naval Aviation Logistics Command Management Information System (NALCOMIS) data entry time.</p>					
9772	FY 2005	FY 2006	FY 2007		
Accomplishments / Effort / Sub-total Cost		1.000			
RDT&E Articles Qty					
P-3C HIGH RESOLUTION DIGITAL RECORDER					
<p>Engineering, development, and test and evaluation of the AIMS EO/IR Sensor System Recorder. The sensor systems are capable of providing the warfighter with higher quality real-time intelligence. The current recorders are capable of recording.</p>					