

Exhibit P-40, BUDGET ITEM JUSTIFICATION						DATE: <b>February 2004</b>					
APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy/APN-5 Aircraft Modifications</b>						P-1 ITEM NOMENCLATURE <b>H-60 Modifications</b>					
Program Element for Code B Items:						Other Related Program Elements					
	Prior Years	ID Code	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total
QTY		A									
COST (In Millions)	51.5	A	21.1	19.3	11.7	12.5	13.9	7.9	8.4		146.1
<p>This line item funds modifications to H-60 series aircraft. The H-60 series current inventory is comprised of: 40 HH-60H, 160 SH-60B, 74 SH-60F. The current retrofit plan is comprised of: 74 MH-60S and 36 MH-60R. The design service life of these weapon systems is 10,000 hours, the average service life remaining is as follows: SH-60B 4,946 hours, SH-60F 7,557 and HH-60H 7,691. The SH-60B is the vehicle component of the LAMPS MK III Weapon System on surface combatants. The primary missions of the SH-60B are Anti-Submarine (ASW) and Anti-Surface Warfare (ASUW). The SH-60F is an ASW, dipping sonar helicopter assigned to carrier airwings based aboard aircraft carriers (CV). The SH-60F primary mission is protection of the CV inner zone. The HH-60H is a Combat Search and Rescue (CSAR) and Special Warfare Support (SWS) helicopter assigned to carrier airwings aboard CVs and also in two reserve squadrons. SH-60B requirements are driven by the number of LAMPS MK III ships to be supported. The overall goal of the modifications budgeted is for the Gearbox Corrosion and Safety Related Systems Upgrade, Transmission Beam Fatigue, and AMCM /Armed Helo (Correction of Deficiencies) for the MH-60S and the Armed Block I Upgrade for the MH-60R. The specific modifications budgeted and programmed are:</p>											
(TOA, \$ in Millions)											
OSIP No.	Description	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total
08-96	T-700 Engine Improvements	21.7	0.6								22.3
17-00	Helicopter Integrated Mechanical Diagnostic System (IMDS)	12.2	10.5								22.7
25-00	Sonar Improvements	13.0									13.0
06-01	H-60 Ultra Low Maintenance Battery	2.6									2.6
17-02	Advance Helicopter Emergency Egress Lighting System (ADHEELS)	2.0									2.0
08-03	Gearbox Corrosion		0.1	2.4							2.5
09-03	H-60 Safety Related Systems Upgrade		10.0	13.1	7.2	4.7	5.3	5.2	5.4		50.9
16-04	MH-60S AMCM/Armed Helo			3.8	4.5	3.3	3.8				15.4
XX-06	MH-60R Armed Block I Upgrade					4.5	4.8	2.6	3.0		14.9
	<b>Total</b>	<b>51.5</b>	<b>21.1</b>	<b>19.3</b>	<b>11.7</b>	<b>12.5</b>	<b>13.9</b>	<b>7.9</b>	<b>8.4</b>		<b>146.1</b>
<b>Note: Totals may not add due to rounding.</b>											

MODIFICATION TITLE: T-700 Engine Upgrade (OSIP 08-96)

MODELS OF SYSTEMS AFFECTED: SH-60B, SH-60F, HH-60H TYPE MODIFICATION: Operational Enhancement

DESCRIPTION/JUSTIFICATION: The Navy H-60 helicopter engine improvement modifications include the following safety and reliability improvements, auto ignition, which activates a time delay relay enabling ignition during an overspeed event and subsequent re-light, transient droop improvement (TD) which minimizes NR droop in hot/heavy gross weight environment and suitable contingency power making increased power available at high gross weight. Current inventory: 40 HH-60H, 160 SH-60B and 74 SHH-60F aircraft. Inventory includes - 1 HH-60H, currently being rebuilt at Troy, AL, 2 additional SH-60Bs designated NSH-60B, and 1 SH-60F aircraft designated YSH-60F. All the systems are being modified per ORD#s SOR 12-18, 015-05-84 and 085-05-86.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: The planned engine improvements are already developed and in production in Army Blackhawk helicopters. The Navy conducted flight testing of the FY 1996 validation/verification period in order to verify the operation in the Naval Hawk application.

FINANCIAL PLAN: (TOA, \$ in Millions)

	Prior Years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY2009		To Complete		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
PROCUREMENT																					
Installation Kits																					
ECP 3930	281	3.1																	281	3.1	
Installation Kits N/R		1.3																			1.3
Installation Equipment																					
DECUs	562	11.0																	562	11.0	
Installation Equipment N/R																					
Engineering Change Orders																					
Data		0.4																			0.4
Training Equipment		0.5																			0.5
Support Equipment		0.2																			0.2
ILS		0.5																			0.5
Other Support		1.6																			1.6
Interim Contractor Support																					
Installation Cost	243	3.0	38	0.6																281	3.6
<b>Total Procurement</b>	<b>843</b>	<b>21.7</b>	<b>0</b>	<b>0.6</b>																<b>843</b>	<b>22.3</b>

Notes:

1. Totals may not add due to rounding
2. Asterisk indicates amount less than \$50K

Exhibit P-3a

MODELS OF SYSTEMS AFFECTED: SH-60B, SH-60F, HH-60H

MODIFICATION TITLE: T-700 Engine Improvements (OSIP 08-96)

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: Contractor Field Mod Team

ADMINISTRATIVE LEAD-TIME: 1 Months

PRODUCTION LEAD-TIME: 12 Months

CONTRACT DATES: FY 2003: \_\_\_\_\_

FY 2004: \_\_\_\_\_

FY 2005: \_\_\_\_\_

DELIVERY DATE: FY 2003: \_\_\_\_\_

FY 2004: \_\_\_\_\_

FY 2005: \_\_\_\_\_

(\$ in Millions)

Cost:	Prior Years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		TOTAL		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
FY 2002 & PY (281 ) kits	243	3.0	38	0.6																281	3.6
FY 2003 ( ) kits																					
FY 2004 ( ) kits																					
FY 2005 ( ) kits																					
FY 2006 ( ) kits																					
FY 2007 ( ) kits																					
FY 2008 ( ) kits																					
FY 2009 ( ) kits																					
To Complete ( ) kits																					
<b>TOTAL</b>	<b>243</b>	<b>3.0</b>	<b>38</b>	<b>0.6</b>																<b>281</b>	<b>3.6</b>

Installation Schedule

	FY 2002 & Prior	FY 2003				FY 2004				FY 2005				FY 2006							
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
In	243				38																
Out	243				38																

	FY 2007				FY 2008				FY 2009				To Complete	TOTAL
	1	2	3	4	1	2	3	4	1	2	3	4		
In														281
Out														281

MODIFICATION TITLE: Helicopter Integrated Mechanical Diagnostic System (IMD) (OSIP 17-00)

MODELS OF SYSTEMS AFFECTED: SH-60B, HH-60H, SH-60F, MH-60 TYPE MODIFICATION: Operational Enhancement/ Safety

DESCRIPTION/JUSTIFICATION: Integrated Mechanical Diagnostic System (IMD) is a helicopter monitoring and diagnostic systems that provides continuous onboard monitoring and diagnostic of engine health, gearbox, drive train vibrations, oil debris, and rotor track and balance.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Revised Acquisition Strategy from lease concept to procurement; approved by PEO (A) December 1999. IMD Development Testing (DT) started on the SH-60B at Rotary Wing January 2000. Limited LRIP decision April 2001, for hardware based on DT-IIA. Software DT-IIB completed November 2002. DT-IIC completed December 2003. Current inventory: 40 HH-60H, 160 SH-60B and 74 SH-60F a/c. Inventory includes 1 HH-60H currently being rebuilt at Troy, AL, 2 SH-60B designated NSH-60B, and 1 additional SH-60F aircraft designated YSH-60F.

FINANCIAL PLAN: (TOA, \$ in Millions)

	Prior Years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY2009		To Complete		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
PROCUREMENT																					
MH-60 Install Kits																					
Legacy A/C Install Kits	3	1.2																		3	1.2
MH-60 N/R Engineering				5.0																	5.0
Legacy A/C N/R Engineering		2.8		2.0																	4.8
Engineering Change Orders																					
Data		0.4		0.3																	0.8
Training Equipment				0.1																	0.1
Support Equipment		0.2		0.1																	0.3
ILS		1.0		0.1																	1.1
Other Support		6.0		2.8																	8.8
Interim Contractor Support																					
Installation Cost	3	0.5																			3 0.5
<b>Total Procurement</b>	<b>3</b>	<b>12.2</b>		<b>10.5</b>																	<b>3 22.7</b>

Notes:

1. Totals may not add due to rounding
2. Asterisk indicates amount less than \$50K

**Exhibit P-3a**

MODELS OF SYSTEMS AFFECTED: SH-60B, SH-60F, HH-60H MODIFICATION TITLE: Integrated Mechanical Diagnostic System (IMDS) (OSIP 17-00)

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: Contractor Field Mod Team

ADMINISTRATIVE LEAD-TIME: 6 Months PRODUCTION LEAD-TIME: 2 Months

CONTRACT DATES: FY 2003: \_\_\_\_\_ FY 2004: \_\_\_\_\_ FY 2005: \_\_\_\_\_

DELIVERY DATE: FY 2003: \_\_\_\_\_ FY 2004: \_\_\_\_\_ FY 2005: \_\_\_\_\_

(\$ in Millions)

Cost:	Prior Years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		TOTAL		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
FY 2002 & PY (3) kits	3	0.5																		3	0.5
FY 2003 ( ) kits																					
FY 2004 ( ) kits																					
FY 2005 ( ) kits																					
FY 2006 ( ) kits																					
FY 2007 ( ) kits																					
FY 2008 ( ) kits																					
FY 2009 ( ) kits																					
To Complete ( ) kits																					
<b>TOTAL</b>	<b>3</b>	<b>0.5</b>																		<b>3</b>	<b>0.5</b>

Installation Schedule

	FY 2002 & Prior	FY 2003				FY 2004				FY 2005				FY 2006							
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
In	3																				
Out	2	1																			

	FY 2007				FY 2008				FY 2009				To Complete	TOTAL
	1	2	3	4	1	2	3	4	1	2	3	4		
In														3
Out														3

Exhibit P-3a

Individual Modification

MODIFICATION TITLE: Sonar Improvement (OSIP 25-00)

MODELS OF SYSTEMS AFFECTED: SH-60F

TYPE MODIFICATION: Operational Enhancement/ Safety

DESCRIPTION/JUSTIFICATION: High failure rates of the AN/AQS-13F transmitter/battery assemblies call for an improvement in reliability. The purpose of the change to the AN/AQS-13F transducer is to: 1) Replace 65 transmitter assemblies with the improved IGBT version (as previously accomplished on 68 transmitters via LECF 12991), the 2) Add auto-disconnects to battery circuitry preventing battery drainage when power is removed. The battery auto-disconnect will be accomplished on 133 transducers. Current inventory: 74 SH-60F aircraft. Inventory includes 1 additional SH-60F aircraft designated YSH-60F. FY02 procurement of New High Strength Cables replaced the existing cables on 24 SH-60F aircraft. During dipping of the transducers for a sonar reading, tearing occurred in the previous cables, resulting in the loss of transducers.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (TOA, \$ in Millions)

	Prior Years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY2009		To Complete		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
PROCUREMENT																					
Installation Kits	172	5.9																	172	5.9	
Install Kits N/R		*																			*
Installation Equipment N/R		5.7																			5.7
Engineering Change Orders		*																			*
Data																					
Training Equipment																					
Support Equipment																					
ILS		0.2																			0.2
Other Support		1.2																			1.2
Interim Contractor Support																					
Installation Cost																					
<b>Total Procurement</b>	<b>172</b>	<b>13.0</b>																		<b>172</b>	<b>13.0</b>

Notes:

1. Totals may not add due to rounding
2. Asterisk indicates amount less than \$50K
3. Installation will be accomplished as an "O" Level Install

Exhibit P-3a

Individual Modification

MODIFICATION TITLE: H-60 Ultra Low Maintenance Battery (OSIP 06-01)

MODELS OF SYSTEMS AFFECTED: SH-60B, HH-60H, SH-60F TYPE MODIFICATION: Operational Enhancement/ Safety

DESCRIPTION/JUSTIFICATION: Initiative replaces the current battery for the H-60 weapons system with ULM Battery. The ULM Battery reduces the cost of ownership, by reducing maintenance requirement, reduces weigh and reduces the risk of hazmat discharge. This equipment will be provided for the current inventory of 40 HH-60H, 160 SH-60B and 74 SH-60F aircraft. Inventory includes 1 HH-60H currently being rebuilt at Troy, AL, 2 additional SH-60Bs designated NSH-60B, and 1 additional SH-60F designated YSH-60F. Installations will be accomplished at "O" level.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: The ULM Battery is currently being used by the Coast Guard H-60 aircraft. This would provide the H-60 community with a common use item.

FINANCIAL PLAN: (TOA, \$ in Millions)

	Prior Years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY2009		To Complete		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
PROCUREMENT																					
Installation Kits																					
Retrofit Kits	274	0.8																		274	0.8
Installation Kits N/R**	1	1.4																		1	1.4
Installation Equipment																					
ULM Battery	270	0.3																		270	0.3
Installation Equipment N/R																					
Engineering Change Orders																					
Data																					
Training Equipment																					
Support Equipment																					
ILS																					
Other Support		0.1																			0.1
Interim Contractor Support																					
Installation Cost																					
<b>Total Procurement</b>	<b>275</b>	<b>2.6</b>																		<b>275</b>	<b>2.6</b>

Notes:

1. Totals may not add due to rounding
2. Asterisk indicates amount less than \$50K
3. \*\*One ULM A-kit procured as a test asset will be installed into an active aircraft.
4. Installation will be accomplished at "O" Level

MODIFICATION TITLE: Advance Helicopter Emergency Egress Lighting System ADHEELS (OSIP17-02)

MODELS OF SYSTEMS AFFECTED: SH-60B, SH-60F, HH-60H TYPE MODIFICATION Operational Enhancement/ Safety

DESCRIPTION/JUSTIFICATION: The ADHEELS 2000/f1 is a self-contained, automatically activated, emergency exit/escape light system. Some of the more impressive characteristics of the system include both automatic and manual activation, automatically activated by water immersion, G-sensitive switch, pitch/roll>110 degrees activation, system weight is <10lb per aircraft vs. 27lb for AFC-46 heels, five (5) year maintenance cycle (battery package replacement). Current retrofit plan reflects: (13) SH-60B, (75) SH-60F, and (39) HH-60H.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (TOA, \$ in Millions)

	Prior Years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY2009		To Complete		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
PROCUREMENT																					
Installation Kits	127	1.0																		127	1.0
Retrofit Kits																					
Installation Kits N/R		0.1																			0.1
Installation Equipment																					
Installation Equipment N/R																					
Engineering Change Orders																					
Data		0.2																			0.2
Training Equipment																					
Support Equipment																					
ILS																					
Other Support		0.1																			0.1
Interim Contractor Support																					
Installation Cost	**	0.6	20		107															127	0.6
<b>Total Procurement</b>		<b>2.0</b>																			<b>2.0</b>

Notes:

1. Totals may not add due to rounding
  2. Asterisk indicates amount less than \$50K
- \*\* FY02 Congressional Add funding provided for kit procurements and installation.

**Exhibit P-3a**

MODELS OF SYSTEMS AFFECTED: SH-60B, SH-60F, HH-60H      MODIFICATION TITLE: Advance Helicopter Emergency Egress Lighting System (OSIP 17-02)

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: Contractor Field Mod Team

ADMINISTRATIVE LEAD-TIME: 2 Months      PRODUCTION LEAD-TIME: 3 Months

CONTRACT DATES:      FY 2003: \_\_\_\_\_      FY 2004: \_\_\_\_\_      FY 2005: \_\_\_\_\_

DELIVERY DATE:      FY 2003: \_\_\_\_\_      FY 2004: \_\_\_\_\_      FY 2005: \_\_\_\_\_

(\$ in Millions)

Cost:	Prior Years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		TOTAL		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
FY 2002 & PY ( 127) kits	**	0.6	20		107															127	0.6
FY 2003 ( ) kits																					
FY 2004 ( ) kits																					
FY 2005 ( ) kits																					
FY 2006 ( ) kits																					
FY 2007 ( ) kits																					
FY 2008 ( ) kits																					
FY 2009 ( ) kits																					
To Complete ( ) kits																					
<b>TOTAL</b>	<b>0</b>	<b>0.6</b>	<b>20</b>		<b>107</b>															<b>127</b>	<b>0.6</b>

Installation Schedule

\*\* FY02 Congressional Add funding provided for kit procurements and installation.

	FY 2002 & Prior	FY 2003				FY 2004				FY 2005				FY 2006							
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
In					20	54	53														
Out					20	54	53														

	FY 2007				FY 2008				FY 2009				To Complete	TOTAL
	1	2	3	4	1	2	3	4	1	2	3	4		
In														127
Out														127

MODIFICATION TITLE: Gearbox Corrosion (OSIP 08-03)

MODELS OF SYSTEMS AFFECTED: SH-60B, SH-60F, HH-60H TYPE MODIFICATION: Operational Enhancement

DESCRIPTION/JUSTIFICATION: Currently, the Main Gear Box is NRE developing sensor (a flight critical area) to check for corrosion once a year during a 365 day inspection. Approximately 3 out of 10 Main Gear Boxes are found to have excessive corrosion and need to be replaced. A monitoring sensor placed on the Main Gear Box forward bridge assembly would provide an early warning system when corrosion starts to become excessive. In reaction to this warning, additional preventative measures could be taken resulting in substantially less money and man-hours being spent repairing/replacing the Main Gear Box.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Sensor Lab Testing was completed October 2002, Sensor Field Validation commenced September 2003, Sensor Acquisition March 2004, Sensor Installation August 2004 and Squadron Training October 2004.

FINANCIAL PLAN: (TOA, \$ in Millions)

	Prior Years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY2009		To Complete		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
PROCUREMENT																					
Installation Kits																					
Installation Kits N/R				0.1		2.4															2.5
Installation Equipment																					
Installation Equipment N/R																					
Engineering Change Orders																					
Data																					
Training Equipment																					
Support Equipment																					
ILS																					
Other Support																					
Interim Contractor Support																					
Installation Cost																					
<b>Total Procurement</b>				<b>0.1</b>		<b>2.4</b>															<b>2.5</b>

Notes:

1. Totals may not add due to rounding
2. Asterisk indicates amount less than \$50K

MODIFICATION TITLE: H-60 Safety Related Systems Upgrade (OSIP 09-03)

MODELS OF SYSTEMS AFFECTED: SH-60B, SH-60F, HH-60H TYPE MODIFICATION: Operational Enhancement

DESCRIPTION/JUSTIFICATION: Gunners Belts are H-60 Series Systems Safety Working Group (SSWG) number 1 item of concern. Procure 1 per aircraft for 160 SH-60B, and 3 per 74 SH-60Fs, 40 HH-60Hs, and 39 MH-60Ss. Gunner's Belt (Web Retractors) are used by crewmen when they are out of seats, i.e., as during unprepared landing in a Landing Zone (LZ) during VERTREP operations. T700 Engine Safety Improvements (White Harness) funds ECPs to provide encapsulated (waterproof) engine wire harness. In addition troubleshoot T700 Engine problems unique to H-60 community and find fixes. Support proposed Joint ECP to provide an Engine High Speed Shaft Flex Coupling Replacement, a proven Lead The Fleet (LTF) concept that would remove the potential for catastrophic engine failures, by increasing margin of safety and readiness while reducing inspection and maintenance tasks. Stabilator Control System Redesign solves problem of uncommanded runaway without caution alerts. H-60 Lighted RAST Probe provides a luminescent messenger cable.

MODELS OF SYSTEMS AFFECTED: MH-60R, MH-60S TYPE MODIFICATION: Operational Enhancement

DESCRIPTION/JUSTIFICATION: Cockpit Voice Recorder and Flight Data Recorder is to provide crash data to assist accident investigation personnel in gathering data to determine the cause of the accident. The Ground Proximity Warning System (GPWS) will be a software-based system that takes existing aircraft data and calculates a recovery profile to the above ground attitude of the aircraft. If the recovery profile (plus a suitable buffer) intercepts this ground height, GPWS will generate a warning to the pilot. Other means of generating a warning may also be used to ensure maximum detection with minimum nuisance cues. The retrofit plan for systems to be modified is as follows: MH-60S 74; MH-60R 36

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Off the shelf items (minor mod required), off the shelf components for a 1-level fixed contract lead time is 6 months and production is 3 months to deliver all parts required. Joint Engineering Change Proposal with Army testing completed May 20, 2001.

METHOD OF IMPLEMENTATION: The Gunner Belts, White Harness, High Speed Shaft, Lighted Rast Probe, Cockpit Voice Recorder and Flight Data Recorders are "O" Level Installs.

FINANCIAL PLAN: (TOA, \$ in Millions)

	Prior Years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY2009		To Complete		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
PROCUREMENT																					
Installation Kits (SH-60B/SH-60F/HH-60H)																					
SH-60B Gunners Belt Kits			160	0.3																	
SH-60F Gunners Belt Kits			222	0.4																	
HH-60H Gunners Belt Kits			120	0.2																	
MH-60S Gunners Belt Kits			116	0.2																	
White Harness (ALL TMS)			548	0.2																	
H-60 High Speed Shaft (ALL TMS)			322	4.0	191	2.1	166	2.0													
H-60 Lighted RAST Probe (SH-60B/SH-60F/HH-60H)			202	0.1																	
New White Harness (ALL TMS)					140	0.7															
Installation Kits (MH-60S, MH-60R)																					
MH-60S CVR/FDR							37	1.3													
MH-60R CVR/FDR							20	0.8													
Installation Kits N/R (MH-60S/MH-60R)				0.2																	
Installation Kits N/R (SH-60B/SH-60F/HH-60H)				0.9																	
Installation Kits N/R (H-60) Hellfire Sea Target						1.0															
Installation Equipment N/R (MH-60S/MH-60R)						3.2															
Installation Equipment N/R (SH-60B/SH-60F/HH-6H)				1.0		2.9															
Installation Equipment (MH-60S/MH-60R)																					
MH-60R/S Gunners Belts			104	0.3																	
MH-60S GPWS					37	0.3	30	0.8													
MH-60R GPWS					12	0.1	12	0.1													
Installation Equipment (SH-60B/SH-60F/HH-6H)																					
SH-60B/SH-60F/HH-6H Gunners Belts			78	0.2																	
Engineering Change Orders						0.1															
Data				1.0		0.1		0.3													
Training Equipment				0.1		0.1		0.2													
Support Equipment																					
ILS				0.2		0.2		0.4													
Other Support				0.6		0.2		0.3													
Interim Contractor Support																					
Installation Cost					49	2.1	42	1.0													
<b>Total Procurement</b>			<b>1872</b>	<b>10.0</b>	<b>380</b>	<b>13.1</b>	<b>265</b>	<b>7.2</b>													

Notes:

1. Totals may not add due to rounding
2. Asterisk indicates amount less than \$50K
3. Gunner Belts, White Harness, New White Harness, High Speed Shaft, Lighted RAST Probe, Cockpit Voice Recorder and Flight Data Recorders are "O" Level Installs.
4. H-60 Lighted RAST Probe will be procured for 160 SH-60Bs, 21 SH-60Fs and 21 HH-60Hs.
5. New White Harness will be procured for 50 SH-60Bs, 51 SH-60Fs, and 39 HH-60Hs.

Exhibit P-3a

MODELS OF SYSTEMS AFFECTED: MH-60S GPWS MODIFICATION TITLE: H-60 Safety Related Systems Upgrade (OSIP 09-03)

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: Contractor Field Mod Team

ADMINISTRATIVE LEAD-TIME: 4 Months PRODUCTION LEAD-TIME 6 Months

CONTRACT DATES: FY 2003: \_\_\_\_\_ FY 2004: Jan-04 FY 2005: Jan-05 FY 2006: Jan-06

DELIVERY DATE: FY 2003: \_\_\_\_\_ FY 2004: Jul-04 FY 2005: Jul-05 FY 2006: Jul-06

(\$ in Millions)

Cost:	Prior Years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		TOTAL		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
FY 2002 & PY ( ) kits																					
FY 2003 ( ) kits																					
FY 2004 (37) kits					37	1.5														37	1.5
FY 2005 (30) kits							30	0.6												30	0.6
FY 2006 (7) kits									7	0.2										7	0.2
FY 2007 ( ) kits																					
FY 2008 ( ) kits																					
FY 2009 ( ) kits																					
To Complete (0) kits																					
<b>TOTAL</b>					<b>37</b>	<b>1.5</b>	<b>30</b>	<b>0.6</b>	<b>7</b>	<b>0.2</b>									<b>74</b>	<b>2.3</b>	

Installation Schedule

	FY 2002 & Prior	FY 2003				FY 2004				FY 2005				FY 2006							
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
In									37				30								
Out								37				30									

	FY 2007				FY 2008				FY 2009				To Complete	TOTAL
	1	2	3	4	1	2	3	4	1	2	3	4		
In														
Out														

**Exhibit P-3a**

MODELS OF SYSTEMS AFFECTED: MH-60R GPWS MODIFICATION TITLE: H-60 Safety Related Systems Upgrade (OSIP 09-03)

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: Contractor Field Mod Team

ADMINISTRATIVE LEAD-TIME: 4 Months PRODUCTION LEAD-TIME 6 Months

CONTRACT DATES: FY 2003: \_\_\_\_\_ FY 2004: Jan-04 FY 2005: Jan-05 FY 2006: Jan-06

DELIVERY DATE: FY 2003: \_\_\_\_\_ FY 2004: Jul-04 FY 2005: Jul-05 FY 2006: Jul-06

(\$ in Millions)

Cost:	Prior Years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		TOTAL		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
FY 2002 & PY ( ) kits																					
FY 2003 ( ) kits																					
FY 2004 (12) kits					12	0.6															
FY 2005 (12) kits							12	0.4													
FY 2006 (12) kits																					
FY 2007 ( ) kits																					
FY 2008 ( ) kits																					
FY 2009 ( ) kits																					
To Complete ( ) kits																					
<b>TOTAL</b>					<b>12</b>	<b>0.6</b>	<b>12</b>	<b>0.4</b>													

Installation Schedule

	FY 2002 & Prior	FY 2003				FY 2004				FY 2005				FY 2006							
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
In									12				12								
Out									12				12								

  

	FY 2007				FY 2008				FY 2009				To Complete	TOTAL
	1	2	3	4	1	2	3	4	1	2	3	4		
In														
Out														

Exhibit P-3a

Individual Modification

MODIFICATION TITLE: AMCM/Armed Helo (Correction of Deficiencies) (OSIP 16-04)

MODELS OF SYSTEMS AFFECTED: MH-60S

TYPE MODIFICATION: Operational Enhancement

DESCRIPTION/JUSTIFICATION: Based on Developmental and Operational testing, Fleet aircraft require modifications to correct identified deficiencies incorporated in production aircraft. These modifications include corrections to Common Cockpit Avionics, Auxiliary Fuel System, High Maintenance Battery, Search and Rescue Equipment, Exterior Lighting, Rotor System and Airframe and Night Vision Display. Current retrofit plan is as follows: 65 MH-60S. The Aux Tank A kit will be retrofit on 50 aircraft. The Bifilar B Kit will be retrofit as an "O" Level install on 51 aircraft. These capabilities will be incorporated as forward fit in all subsequent aircraft during production.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: The MH-60S aircraft completed OPEVAL in Mar 2002; MS III was completed 12 Aug 2002. The validation of the Aux Tank A will be complete in the second quarter of FY 2005.

FINANCIAL PLAN: (TOA, \$ in Millions)

	Prior Years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY2009		To Complete		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
PROCUREMENT																					
Installation Kits																					
ECP 4000 Retrofit					5	0.5	24	2.0													
Bifilar					10	0.5	41	1.9													
NVD KIT							7	0.2													
Retrofit Kits																					
Installation Kits N/R						2.6															
Installation Equipment																					
Installation Equipment N/R																					
Engineering Change Orders																					
Data																					
Training Equipment																					
Support Equipment																					
ILS																					
Other Support						0.2		0.1													
Interim Contractor Support																					
Installation Cost								12	0.4												
<b>Total Procurement</b>						<b>3.8</b>		<b>4.5</b>													

Notes:

1. Totals may not add due to rounding
2. Asterisk indicates amount less than \$50K



