	EXHIBIT R-2,	RDT&E Budget Item	Justification				DATE:	
							Februa	ry 2006
APPROPRIATION/BUDGET ACTIVITY						R-1 ITEM NOMENC	LATURE	
RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY	/		BA 5			0604216N, MULTI-N	MISSION HELICOPT	ER UPGRADE
COST (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	
Total PE Cost	80.105	49.122	19.259	14.483	.542	.845	.227	
1707 MH-60R DEVELOPMENT	76.866	47.422	19.259	14.483	.542	.845	.227	
9548 AQS-22 AIRBORNE LOW-FREQUENCY SONAR	1.594							
9549 MULTI-MISSION HELICOPTER UPGRADE DEV	1.645							
9999 CONGRESSIONAL ADD		1.700						

(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: From program inception through FY99, Project H1707 was funded under P.E. 0604212N, ASW & Other Helo Development, Project Unit H1707.

1707 - The MH-60R Multi-Mission Helicopter provides battle group protection and adds significant capability in littorals and regional conflicts. The MH-60R Multi-Mission Helicopter represents a significant avionics improvement to the H-60 series helicopters by enhancing primary mission areas of Undersea Warfare (USW) and Surface Warfare (SUW). Airborne Low Frequency Sonar (ALFS) will be added to enhance the existing acoustic suite. An added Multi-Mode Radar includes an Inverse Synthetic Aperture Radar mode (ISAR) which permits stand-off classification of hostile threats. An improved Electronics Surveillance Measures system (ESM) will enable passive detection and targeting of radar sources not currently detectable. Integration of Common Data Link (CDL) will be incorporated into the MH-60R as part of Block-I.

9548 - The MH-60R Multi-Mission Helicopter AQS-22 Airborne Low Frequency Sonar(ALFS), (Congressional Add). ALFS is the primary Undersea Warfare (USW) sensor of the Multi-Mission Helicopter.

9549 - The MH-60R Multi-Mission Helicopter Legacy Subsystems Improvement, (Congressional Add).

9999 - Congressional Add.

EXHIB	T R-2a, RDT&E	Project Justific	ation					DATE:
								February 2006
APPROPRIATION/BUDGET ACTIVITY		PROGRAM EL	EMENT NUM	BER AND NAM	1E		PROJECT NU	IMBER AND NAME
RDT&E, N /	BA 5	0604216N, MU	JLTI-MISSION	HELICOPTER	UPGRADE		1707, MH-60F	R DEVELOPMENT
COST (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	
1707 MH-60R DEVELOPMENT	76.866	47.422	19.259	14.483	.542	.845	.227	
RDT&E Articles Qty								

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

From program inception through FY99, Project H1707 was funded under P.E. 0604212N, ASW & Other Helo Development, Project Unit H1707.

1707 - The MH-60R Multi-Mission Helicopter provides battle group protection and adds significant capability in coastal littorals and regional conflicts. The MH-60R Multi-Mission Helicopter represents a significant avionics improvement to the H-60 series helicopters by enhancing primary mission areas of Undersea Warfare (USW) and Surface Warfare (SUW). Airborne Low Frequency Sonar (ALFS) will be added to enhance the existing acoustic suite. An added Multi-Mode Radar includes an Inverse Synthetic Aperture Radar mode (ISAR) (permits stand-off classification of hostile threats). An improved Electronics Surveillance Measures system (ESM) will enable passive detection and targeting of radar sources not currently detectable. Integration of Common Data Link (CDL), will be incorporated into the MH-60R as part of Block-I.

Exhibit R-2a, RDTEN Project Justification (Exhibit R-2a, Page 2 of 20)

	EXHIBIT R-2a, RDT&	Project Justific	cation			DATE:
		-				February 20
APPROPRIATION/BUDGET ACTIVITY			EMENT NUMBER A			JMBER AND NAME
RDT&E, N / B. ACCOMPLISHMENTS / PLANNED PROGRAM:	BA 5	0604216N, MU	JLTI-MISSION HELIC	OPTER UPGRADE	1707, MH-60	R DEVELOPMENT
. ACCOMPLISHMENTS / PLANNED PROGRAM:						
	FY 2005	FY 2006	FY 2007			
ccomplishments / Effort / Sub-total Cost	15.918		11.041			
DT&E Articles Qty						
IH-60R Mission Avionics testing. Avionics Mission Block I		on efforts. Ope	erational Test and Eva	aluation, Developmental Test	ting, Live Fire Testing,	Testing for Manned Flight Si
d Acoustics Processor development, integration and testi	ing.					
	FY 2005	FY 2006	FY 2007			
complishments / Effort / Sub-total Cost	4.798		1.459			
DT&E Articles Qty	4.790	2.707	1.400			
TAL ATTICLES QTY						
				em Engineering, Program Ma	nagement, Travel as red	quired to support the MH-
	Small Business Innovation Res	earch (SBIR) as	required.	em Engineering, Program Ma	nagement, Travel as red	quired to support the MH-
60R development program, test activities (TECHEVAL), and	Small Business Innovation Res	earch (SBIR) as		em Engineering, Program Ma	nagement, Travel as red	quired to support the MH-
60R development program, test activities (TECHEVAL), and	Small Business Innovation Res	earch (SBIR) as	required.	em Engineering, Program Ma	nagement, Travel as red	quired to support the MH-
60R development program, test activities (TECHEVAL), and complishments / Effort / Sub-total Cost DT&E Articles Qty	Small Business Innovation Res	FY 2006	FY 2007	em Engineering, Program Ma	nagement, Travel as red	quired to support the MH-
60R development program, test activities (TECHEVAL), and complishments / Effort / Sub-total Cost DT&E Articles Qty	Small Business Innovation Res	FY 2006	FY 2007	em Engineering, Program Ma	nagement, Travel as red	quired to support the MH-
complishments / Effort / Sub-total Cost	Small Business Innovation Res	FY 2006	FY 2007	em Engineering, Program Ma	nagement, Travel as red	quired to support the MH-
60R development program, test activities (TECHEVAL), and complishments / Effort / Sub-total Cost DT&E Articles Qty	Small Business Innovation Res	FY 2006	FY 2007	em Engineering, Program Ma	nagement, Travel as red	quired to support the MH-
complishments / Effort / Sub-total Cost	Small Business Innovation Res	FY 2006	FY 2007	em Engineering, Program Ma	nagement, Travel as rec	quired to support the MH-
60R development program, test activities (TECHEVAL), and complishments / Effort / Sub-total Cost DT&E Articles Qty	FY 2005 9.016 reversability between C-Band a	FY 2006 2.500 nd Ku Band upg	FY 2007 prades.	em Engineering, Program Ma	nagement, Travel as red	quired to support the MH-
complishments / Effort / Sub-total Cost DT&E Articles Qty Avionics Block-1 Upgrade for the Common Data Link (CDL),	FY 2005 reversability between C-Band a	FY 2006 FY 2006 ROW Band upg	FY 2007 prades.	em Engineering, Program Ma	nagement, Travel as rec	quired to support the MH-
complishments / Effort / Sub-total Cost DT&E Articles Qty Avionics Block-1 Upgrade for the Common Data Link (CDL), complishments / Effort / Sub-total Cost	FY 2005 9.016 reversability between C-Band a	FY 2006 FY 2006 ROW Band upg	FY 2007 prades.	em Engineering, Program Ma	nagement, Travel as red	quired to support the MH-
Engineering specialists, integrated logistics support, Govern 60R development program, test activities (TECHEVAL), and complishments / Effort / Sub-total Cost DT&E Articles Qty Avionics Block-1 Upgrade for the Common Data Link (CDL), complishments / Effort / Sub-total Cost DT&E Articles Qty	FY 2005 Peversability between C-Band a FY 2005 FY 2005 FY 2005 4.555	FY 2006 A 2.500 Ind Ku Band upg FY 2006 6.440	required. FY 2007 prades. FY 2007 1.602			
ccomplishments / Effort / Sub-total Cost DT&E Articles Qty Avionics Block-1 Upgrade for the Common Data Link (CDL), ccomplishments / Effort / Sub-total Cost DT&E Articles Qty Afframe test articles engineering support, GFE, and risk man	FY 2005 Peversability between C-Band a FY 2005 FY 2005 FY 2005 4.555	FY 2006 A 2.500 Ind Ku Band upg FY 2006 6.440	required. FY 2007 prades. FY 2007 1.602			
complishments / Effort / Sub-total Cost DT&E Articles Qty Avionics Block-1 Upgrade for the Common Data Link (CDL), Complishments / Effort / Sub-total Cost DT&E Articles Qty Avionics Block-1 Upgrade for the Common Data Link (CDL), Complishments / Effort / Sub-total Cost DT&E Articles Qty Afframe test articles engineering support, GFE, and risk man	FY 2005 Peversability between C-Band a FY 2005 FY 2005 FY 2005 4.555	FY 2006 A 2.500 Ind Ku Band upg FY 2006 6.440	required. FY 2007 prades. FY 2007 1.602			
complishments / Effort / Sub-total Cost DT&E Articles Qty Avionics Block-1 Upgrade for the Common Data Link (CDL), Complishments / Effort / Sub-total Cost DT&E Articles Qty Avionics Block-1 Upgrade for the Common Data Link (CDL), Complishments / Effort / Sub-total Cost DT&E Articles Qty Afframe test articles engineering support, GFE, and risk man	FY 2005 Peversability between C-Band a FY 2005 FY 2005 FY 2005 4.555	FY 2006 A 2.500 Ind Ku Band upg FY 2006 6.440	required. FY 2007 prades. FY 2007 1.602			
complishments / Effort / Sub-total Cost DT&E Articles Qty Avionics Block-1 Upgrade for the Common Data Link (CDL), complishments / Effort / Sub-total Cost DT&E Articles Qty Affame test articles engineering support, GFE, and risk man	FY 2005 Peversability between C-Band a FY 2005 FY 2005 FY 2005 4.555	FY 2006 A 2.500 Ind Ku Band upg FY 2006 6.440	required. FY 2007 prades. FY 2007 1.602			
complishments / Effort / Sub-total Cost DT&E Articles Qty Avionics Block-1 Upgrade for the Common Data Link (CDL), complishments / Effort / Sub-total Cost DT&E Articles Qty Affame test articles engineering support, GFE, and risk man	FY 2005 Peversability between C-Band a FY 2005 FY 2005 FY 2005 4.555	FY 2006 A 2.500 Ind Ku Band upg FY 2006 6.440	required. FY 2007 prades. FY 2007 1.602			
complishments / Effort / Sub-total Cost DT&E Articles Qty Avionics Block-1 Upgrade for the Common Data Link (CDL), Complishments / Effort / Sub-total Cost DT&E Articles Qty Avionics Block-1 Upgrade for the Common Data Link (CDL), Complishments / Effort / Sub-total Cost DT&E Articles Qty Afframe test articles engineering support, GFE, and risk man	FY 2005 Peversability between C-Band a FY 2005 FY 2005 FY 2005 4.555	FY 2006 A 2.500 Ind Ku Band upg FY 2006 6.440	required. FY 2007 prades. FY 2007 1.602			
complishments / Effort / Sub-total Cost DT&E Articles Qty Avionics Block-1 Upgrade for the Common Data Link (CDL), Complishments / Effort / Sub-total Cost DT&E Articles Qty Avionics Block-1 Upgrade for the Common Data Link (CDL), Complishments / Effort / Sub-total Cost DT&E Articles Qty Afframe test articles engineering support, GFE, and risk man	FY 2005 Peversability between C-Band a FY 2005 FY 2005 FY 2005 4.555	FY 2006 A 2.500 Ind Ku Band upg FY 2006 6.440	required. FY 2007 prades. FY 2007 1.602			
complishments / Effort / Sub-total Cost DT&E Articles Qty Avionics Block-1 Upgrade for the Common Data Link (CDL), complishments / Effort / Sub-total Cost DT&E Articles Qty Afframe test articles engineering support, GFE, and risk man	FY 2005 Peversability between C-Band a FY 2005 FY 2005 FY 2005 4.555	FY 2006 A 2.500 Ind Ku Band upg FY 2006 6.440	required. FY 2007 prades. FY 2007 1.602			
60R development program, test activities (TECHEVAL), and ccomplishments / Effort / Sub-total Cost DT&E Articles Qty Avionics Block-1 Upgrade for the Common Data Link (CDL), ccomplishments / Effort / Sub-total Cost DT&E Articles Qty	FY 2005 9.016 reversability between C-Band a FY 2005 4.555 nagement board support. Proce	FY 2006 FY 2006 A 2.500 IN A Band upg FY 2006 A 440 Irement of Digital	FY 2007 prades. FY 2007 1.602 al Mock-up and weight			

Exhibit R-2a, RDTEN Project Justification (Exhibit R-2a, Page 3 of 20)

investigations, and repairs in support of the test program. ILS support, Program Management support, Risk Management Board Support, and subvendor support.

	EXHIBIT R-2a, RD7	&E Project Justific	cation		DATE:
APPROPRIATION/BUDGET ACTIVITY		PROGRAM EL	EMENT NUMBER AND NAME	PROJECT NU	February 2006 MBER AND NAME
RDT&E, N /	BA 5		JLTI-MISSION HELICOPTER UPGRADE	1707, MH-60F	DEVELOPMENT
C. PROGRAM CHANGE SUMMARY					
Funding:	FY 2005	FY 2006	FY 2007		
Previous President's Budget:	78.0				
Current President's Budget:	76.8				
Total Adjustments	-1.1				
, oral i rajastino no		022	0.000		
Summary of Adjustments					
Congressional Reductions					
Congressional Rescissions					
Congressional Undistributed Reductions	-1.4				
Congressional Increases	0.0				
Economic Assumptions		-0.219	0.532		
Miscellaneous Adjustments	0.3		-0.193		
	Subtotal -1.	39 -0.722	0.339		
*Numbers may not add due to rounding					
Technical: Not applicable					
Schedule: Not applicable					
Schedule: Not applicable					
Schedule: Not applicable					

EXHI	BIT R-2a, RDT&E	Project Justifica	ation					DATE:		
								F	ebruary 2006	
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELI	EMENT NUMB	ER AND NAMI	E		PROJECT NU	IMBER AND NA	ME	
RDT&E, N /	BA 5	0604216N, MU	LTI-MISSION I	HELICOPTER	UPGRADE		1707, MH-60F	R DEVELOPME	NT	
D. OTHER PROGRAM FUNDING SUMMARY:	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Cost	
									0.000	
APN-1 BLI-018200	359.386	551.006	915.742	951.064	1,144.480	1,198.116	1,205.622	2,760.793	9,086.209	
APN-6 Initial Spares BLI: 0605-10	58.979	77.069	22.576	1.078	1.795	0.507	0.535		162.539	
APN-5 Aircraft Modifications OSIP 001-06		4.375	4.932	3.326	3.925	2.983	3.040	16.575	39.156	

Related RDT&E

0604507N Enhanced Modular Signal Processor

0604212N ASW & Other Helo Development LAMPS MK-IIData Link

0604261N Acoustics Search Sensors

0604216N AN/SQ-22 Airborne Low Frequency Sonar (ALFS) H9548

0604216N Multi-Mission Helicopter Legacy Sub-System, H9459

E. ACQUISITION STRATEGY: The MH-60R acquisition strategy has been revised based on the program restructure, which occurred in FY2002. The restructure encompassed a replan of the EMD-II contract resulting in a change in contract type from Cost Plus Fixed Fee (CPFF) to Cost Plus Award Fee (CPAF) and inclusion of Sikorsky in development efforts. The restructure also extended the test schedule, which will culminate in a Milestone III and Initial Operating Capability (IOC) in FY2005. The program includes an evolutionary acquisition Block-I Upgrade effort which began in FY2004.

Exhibit R-2a, RDTEN Project Justification (Exhibit R-2a, Page 5 of 20)

Exhibit R-3 Cost Analysis (page 1)									DATE:	Februa	ry 2006	
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT				PROJECT N	NUMBER AN	D NAME	l	i chida	1 2 2 0 0 0	
	BA 5	0604216N, MULTI-MISSION HELICOP	TED LIDGEAR)E			OR DEVELO					
KDT&E, N /	Contract	00042 TOIN, MOLTI-MISSION FIELICOP	TER OFGRAL	J		1707, 1011-0	OK DEVELO	IVILIVI				Targe
	Method &		Total PY s	FY 2005	FY 2005	FY 2006	FY 2006	FY 2007	FY 2007	Cost to		Value
Cost Categories	Type	Performing Activity & Location	Cost	Cost	Award Date		Award Date	Cost	Award Date		Total Cost	Contra
PRODUCT DEVELOPMENT	Туре	r enorming Activity & Location	Cost	COSI	Awaiu Date	Cost	Awaiu Date	Cost	Awaid Date	Complete	Total Cost	Contra
Primary Hdw Development, Airframe (SAC)	SS-CPAF	SIKORSKY, STRATFORD, CT	63.415	1 555	10/6/2004	6.440	2/6/2006	1.602	2/6/2007		76.012	76.0
Primary Hdw Development, Avionics (LMSI)		LOCKHEED MARTIN, OWEGO, NY	611.061		12/30/2004	27.663	2/6/2006	5.157			686.460	686.4
Primary Hdw Development, Avionics (EWSI)		NSWC, PANAMA CITY FL	011.001		10/30/2004	2.500	2/0/2000	5.157	2/0/2007		11.516	000.4
All Product Cost from FY90-04	043 017	VARIOUS	153.316	3.010	10/30/2004	2.300					153.316	
SUBTOTAL PRODUCT DEVELOPMENT		77111000	827.792	56.150		36.603		6.759			927.304	
Remarks: Of award fees in past award fee periods	s, Lockheed N	lartin was awarded 63% and Sikorsky Aircraft	Corporation wa	s aw arded 79	%.							
SUPPORT												
Government Eng Technical Services	WX	NAWCAD, PATUXENT RIVER MD	.030							3.945	3.975	
Government Eng Technical Services	WX	OASN (FM&C) FMA, WASH DC		.250	11/30/2004						.250	
All Product Cost from FY90-04		VARIOUS	123.014								123.014	
SUBTOTAL SUPPORT			123.044	.250						3.945	127.239	
TEST & EVALUATION		1							, , , , , , , , , , , , , , , , , , ,			
Dev Test & Eval		NAWCAD, PATUXENT RIVER MD	72.346		11/30/2004		11/30/2005	11.041	11/30/2006	12.152	114.604	
Dev Test & Eval Dev Test & Eval	WX	NUWC DET, NEWPORT RI	.388	.207	11/30/2004		11/30/2005 11/30/2005	11.041	11/30/2006	12.152	1.118	
Dev Test & Eval Dev Test & Eval Live Fire Test & Eval	WX WX	NUWC DET, NEWPORT RI NAWCWD, CHINA LAKE CA		.207 .025	11/30/2004 11/30/2004			11.041	11/30/2006	12.152	1.118 .337	
Dev Test & Eval Dev Test & Eval Live Fire Test & Eval Oper Test & Eval	WX WX WX	NUWC DET, NEWPORT RI NAWCWD, CHINA LAKE CA NAVAIR PAC FLT, SAN DIEGO CA	.388	.207 .025 .450	11/30/2004 11/30/2004 11/30/2004	.523	11/30/2005	11.041	11/30/2006	12.152	1.118 .337 .450	
Dev Test & Eval Dev Test & Eval Live Fire Test & Eval Oper Test & Eval Oper Test & Eval	WX WX WX	NUWC DET, NEWPORT RI NAWCWD, CHINA LAKE CA NAVAIR PAC FLT, SAN DIEGO CA COMOPTEVFOR, NORFOLK VA	.388 .312 1.244	.207 .025 .450	11/30/2004 11/30/2004	.523		11.041	11/30/2006	12.152	1.118 .337 .450 4.924	
Dev Test & Eval Dev Test & Eval Live Fire Test & Eval Oper Test & Eval Oper Test & Eval All Product Cost from FY90-04	WX WX WX	NUWC DET, NEWPORT RI NAWCWD, CHINA LAKE CA NAVAIR PAC FLT, SAN DIEGO CA	.388 .312 1.244 13.143	.207 .025 .450 3.180	11/30/2004 11/30/2004 11/30/2004	.523	11/30/2005		11/30/2006		1.118 .337 .450 4.924 13.143	
Dev Test & Eval Dev Test & Eval Live Fire Test & Eval Oper Test & Eval Oper Test & Eval All Product Cost from FY90-04 SUBTOTAL TEST & EVALUATION Remarks:	WX WX WX	NUWC DET, NEWPORT RI NAWCWD, CHINA LAKE CA NAVAIR PAC FLT, SAN DIEGO CA COMOPTEVFOR, NORFOLK VA	.388 .312 1.244	.207 .025 .450	11/30/2004 11/30/2004 11/30/2004	.523	11/30/2005	11.041	11/30/2006	12.152	1.118 .337 .450 4.924	
Dev Test & Eval Dev Test & Eval Live Fire Test & Eval Oper Test & Eval Oper Test & Eval All Product Cost from FY90-04 SUBTOTAL TEST & EVALUATION Remarks: MANAGEMENT	WX WX WX	NUWC DET, NEWPORT RI NAWCWD, CHINA LAKE CA NAVAIR PAC FLT, SAN DIEGO CA COMOPTEVFOR, NORFOLK VA VARIOUS	388 .312 1.244 13.143 87.432	.207 .025 .450 3.180	11/30/2004 11/30/2004 11/30/2004	.523	11/30/2005		11/30/2006		1.118 .337 .450 4.924 13.143 134.575	
Dev Test & Eval Dev Test & Eval Live Fire Test & Eval Oper Test & Eval Oper Test & Eval All Product Cost from FY90-04 SUBTOTAL TEST & EVALUATION Remarks: MANAGEMENT Contractor Engr Sup - ETS (NON-FFRDC)	WX WX WX WX	NUWC DET, NEWPORT RI NAWCWD, CHINA LAKE CA NAVAIR PAC FLT, SAN DIEGO CA COMOPTEVFOR, NORFOLK VA VARIOUS NAWCAD, PATUXENT RIVER MD	388 .312 1.244 13.143 87.432	.207 .025 .450 3.180 15.918	11/30/2004 11/30/2004 11/30/2004 11/30/2004 11/30/2004	.523 .500 8.032	11/30/2005	11.041			1.118 .337 .450 4.924 13.143 134.575	
Dev Test & Eval Dev Test & Eval Live Fire Test & Eval Oper Test & Eval Oper Test & Eval All Product Cost from FY90-04 SUBTOTAL TEST & EVALUATION Remarks: MANAGEMENT Contractor Engr Sup - ETS (NON-FFRDC) Contractor Engr Sup - ETS (NON-FFRDC)	WX WX WX WX	NUWC DET, NEWPORT RI NAWCWD, CHINA LAKE CA NAVAIR PAC FLT, SAN DIEGO CA COMOPTEVFOR, NORFOLK VA VARIOUS NAWCAD, PATUXENT RIVER MD VARIOUS	388 .312 1.244 13.143 87.432	.207 .025 .450 3.180	11/30/2004 11/30/2004 11/30/2004 11/30/2004 11/30/2004	.523 .500 8.032	11/30/2005 11/30/2005 12/30/2005 VARIOUS	11.041	VARIOUS		1.118 .337 .450 4.924 13.143 134.575 5.907	
Dev Test & Eval Dev Test & Eval Live Fire Test & Eval Oper Test & Eval Oper Test & Eval All Product Cost from FY90-04 SUBTOTAL TEST & EVALUATION Remarks: MANAGEMENT Contractor Engr Sup - ETS (NON-FFRDC) Contractor Engr Sup - ETS (NON-FFRDC) Program Mgmt Sup - MSS (NON-FFRDC)	WX WX WX WX VX VARIOUS VARIOUS	NUWC DET, NEWPORT RI NAWCWD, CHINA LAKE CA NAVAIR PAC FLT, SAN DIEGO CA COMOPTEVFOR, NORFOLK VA VARIOUS NAWCAD, PATUXENT RIVER MD VARIOUS NAWCAD, PATUXENT RIVER MD NAWCAD, PATUXENT RIVER MD	388 .312 1.244 13.143 87.432 1.575 12.620	.207 .025 .450 3.180 15.918 2.705 .903	11/30/2004 11/30/2004 11/30/2004 11/30/2004 11/30/2004 12/30/2004 VARIOUS	.523 .500 8.032 1.627 .110	11/30/2005 11/30/2005 12/30/2005 VARIOUS 10/30/2005	.579 .200	VARIOUS 10/30/2006		1.118 .337 .450 4.924 13.143 134.575 5.907 14.212	
Dev Test & Eval Dev Test & Eval Live Fire Test & Eval Oper Test & Eval Oper Test & Eval Oper Test & Eval All Product Cost from FY90-04 SUBTOTAL TEST & EVALUATION Remarks: MANAGEMENT Contractor Engr Sup - ETS (NON-FFRDC) Contractor Engr Sup - ETS (NON-FFRDC) Program Mgmt Sup - MSS (NON-FFRDC) Travel	WX WX WX WX VX VARIOUS VARIOUS	NUWC DET, NEWPORT RI NAWCWD, CHINA LAKE CA NAVAIR PAC FLT, SAN DIEGO CA COMOPTEVFOR, NORFOLK VA VARIOUS NAWCAD, PATUXENT RIVER MD VARIOUS NAWCAD, PATUXENT RIVER MD NAVAIRHQ, PATUXENT RIVER MD	388 .312 1.244 13.143 87.432 1.575 12.620	.207 .025 .450 3.180 15.918 2.705 .903	11/30/2004 11/30/2004 11/30/2004 11/30/2004 11/30/2004	.523 .500 8.032	11/30/2005 11/30/2005 12/30/2005 VARIOUS 10/30/2005	.579 .200	VARIOUS		1.118 .337 .450 4.924 13.143 134.575 5.907 14.212 .520 4.120	
Dev Test & Eval Dev Test & Eval Live Fire Test & Eval Oper Test & Eval Oper Test & Eval Oper Test & Eval All Product Cost from FY90-04 SUBTOTAL TEST & EVALUATION Remarks: MANAGEMENT Contractor Engr Sup - ETS (NON-FFRDC) Contractor Engr Sup - ETS (NON-FFRDC) Program Mgmt Sup - MSS (NON-FFRDC) Travel All Product Cost from FY90-04	WX WX WX WX VX VARIOUS VARIOUS	NUWC DET, NEWPORT RI NAWCWD, CHINA LAKE CA NAVAIR PAC FLT, SAN DIEGO CA COMOPTEVFOR, NORFOLK VA VARIOUS NAWCAD, PATUXENT RIVER MD VARIOUS NAWCAD, PATUXENT RIVER MD NAWCAD, PATUXENT RIVER MD	1.575 12.620 1.70 11.695	2.705 .903 .450 3.180 15.918 2.705 .903	11/30/2004 11/30/2004 11/30/2004 11/30/2004 11/30/2004 12/30/2004 VARIOUS	.523 .500 8.032 1.627 .110 .320 .730	11/30/2005 11/30/2005 12/30/2005 VARIOUS 10/30/2005	.579 .200	VARIOUS 10/30/2006 10/30/2006		1.118 .337 .450 4.924 13.143 134.575 5.907 14.212 .520 4.120 11.695	
Dev Test & Eval Dev Test & Eval Live Fire Test & Eval Oper Test & Eval Oper Test & Eval Oper Test & Eval All Product Cost from FY90-04 SUBTOTAL TEST & EVALUATION Remarks: MANAGEMENT Contractor Engr Sup - ETS (NON-FFRDC) Contractor Engr Sup - ETS (NON-FFRDC) Program Mgmt Sup - MSS (NON-FFRDC)	WX WX WX WX VX VARIOUS VARIOUS	NUWC DET, NEWPORT RI NAWCWD, CHINA LAKE CA NAVAIR PAC FLT, SAN DIEGO CA COMOPTEVFOR, NORFOLK VA VARIOUS NAWCAD, PATUXENT RIVER MD VARIOUS NAWCAD, PATUXENT RIVER MD NAVAIRHQ, PATUXENT RIVER MD	388 .312 1.244 13.143 87.432 1.575 12.620	.207 .025 .450 3.180 15.918 2.705 .903	11/30/2004 11/30/2004 11/30/2004 11/30/2004 11/30/2004 12/30/2004 VARIOUS	.523 .500 8.032 1.627 .110	11/30/2005 11/30/2005 12/30/2005 VARIOUS 10/30/2005	.579 .200	VARIOUS 10/30/2006 10/30/2006		1.118 .337 .450 4.924 13.143 134.575 5.907 14.212 .520 4.120	

CLASSIFICATION:																												
EXHIBIT R4, Schedu	le Profile																				DATE	:						
APPROPRIATION/BUDG	ET ACTIV	ITV			DDO	2DAM	EI EMI	ENIT N	IUMBE	D AND	NAM	_					PROJ	IECT N	IIIMDE	D ANI	NAM	1 E	F	ebrua	ary 20	06		
RDT&E, N /	BA-5								n Helico				lopme	nt				MH-60				·-						
, ,																												
Fiscal Year		20	05			20	06			20	07			20	08			20	09			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					IOC	MS III																						
Test & Evaluation Milestones	TECL	EVAL																										
Development Test	OT																											
Operational Test		OTRR	OP	EVAL]																							
Follow-on Test						DT-	IIIA		DT-IIIA	В																		
											T-IIIB																	
Production Milestones																												
LRIP III FY 05		LRIP-	III Sta	rt	LC	T-IV S	tart																					
MS III/Lot-IV FY 06															<u> </u>													
Deliveries									LRIP SHC				▼ OT-IV		87													

CLASSIFICATION:

Exhibit R-4a, Schedule Detail					DATE:				
					į i	ebruary 20	06		
APPROPRIATION/BUDGET ACTIVITY				PROJECT NU	MBER AND N				
RDT&E, NBA-5				1707 MH-60F	H-60R DEVELOPMENT				
Schedule Profile	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		
OTIIA	1Q - 2Q								
TECHEVAL	1Q - 2Q								
OTRR (OPEVAL)	2Q - 3Q								
OPEVAL	3Q - 4Q								
IOC		1Q							
Milestone III (MS-III)		2Q							
Block-I									
Block 1 Upgrade DTIIIA		2Q - 3Q							
Block 1 Upgrade OTIIIA		4Q	1Q						
Block 1 Upgrade DTIIIB			1Q - 2Q						
Block 1 Upgrade OTIIIB			2Q -3Q						
Production Milestone									
LRIP-III FY05	2Q								
Lot-IV FY06		2Q							
				<u> </u>					

R-1 SHOPPING LIST - Item No.

	EXHIBIT R-2a,	RDT&E Proje	ct Justification					DATE:
								February 2006
APPROPRIATION/BUDGET ACTIVITY		PROGRAM E	LEMENT NUM	BER AND NAME			PROJECT NU	IMBER AND NAME
RDT&E, N /	BA 5	0604216N, M	ULTI-MISSION	HELICOPTER I	JPGRADE		9548, AQS-22	AIRBORNE LOW-FREQUENCY SONAR (ALFS)
COST (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	
9548 AQS-22 AIRBORNE LOW-FREQUENCY SONAR	1.594							
RDT&E Articles Qty								
RDT&E Articles Qty								

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: The An/AQS-22 Airborne Low Frequency Sonar (ALFS) is the primary Undersea Warfare (USW) sensor of the MH60R Multi-Mission Helicopter. Congressional Add.

B. ACCOMPLISHMENTS / PLANNED PROGRAM:

	EXHIBIT R-2	a, RDT&E Proje	ect Justification	1			DATE: February 2006
ROPRIATION/BUDGET ACTIVITY		PROGRAM E	LEMENT NUN	MBER AND NAM		PROJECT NU	MBER AND NAME
	BA 5	0604216N, N	IULTI-MISSIOI	N HELICOPTER	UPGRADE	9548, AQS-22	AIRBORNE LOW-FREQUENCY SONAR (ALFS)
•	FY 2005	FY 2006	FY 2007			! '	,
omplishments / Effort / Sub-total Cost	1.59	4					
&E Articles Qty							
		L	-L		<u>.</u>		
Reeling Machine Control Unit (RMUC) and the	Reeling Machine Interl	ace Unit (RMIL	I) for the ALFS	system.			

C. PROGRAM CHANGE SUMMARY

Funding: Previous President's Budget: FY 2005 FY 2006 FY 2007 1.632

	EXHIB	IT R-2a,	RDT&E Project	Justification					DATE:	February 200)6
ROPRIATION/BUDGET ACTIVITY &E, N /	BA 5				ER AND NAME HELICOPTER U				IMBER AND NA	AME DW-FREQUENCY S	
urrent President's Budget: otal Adjustments	2,10	1.594 -0.038	0.000 0.000	0.000 0.000	1221001 121(0	. 010101	ļ	70 10, 7100 22	THE EN	SW TREGOLINOT	5010 II () () ()
Summary of Adjustments Congressional Reductions Congressional Rescissions Congressional Undistributed Reductions Congressional Increases Economic Assumptions Miscellaneous Adjustments		-0.038									
	ubtotal	-0.038	0.000	0.000							
Schedule:											
Not applicable.											
Technical:											
Not applicable.											
THER PROGRAM FUNDING SUMMARY: -1 BLI-018200 -6 Initial Spares BLI: 0605-10		2005 359.386 58.979	FY 2006 551.006 77.069	FY 2007 915.742 22.576	FY 2008 951.064 1.078	FY 2009 1,144.480 1.795	FY 2010 1,198.116 0.507	FY 2011 1,205.622 0.535	To Complete 2,760.793	Total Cost 9,086.209 162.539	

R-1 Shopping List Item No 87 Exhibit R-2a, RDTEN Project Justification (Exhibit R-2a, Page 11 of 20)

	EXHIBIT R	-2a, RDT&E Project Justification	DATE:
PPROPRIATION/BUDGET ACTIVITY	BA 5	PROGRAM ELEMENT NUMBER AND NAME 0604216N, MULTI-MISSION HELICOPTER UPGRADE	February 2006 PROJECT NUMBER AND NAME 9548, AQS-22 AIRBORNE LOW-FREQUENCY SONAR (ALFS)
telated RDT&E 604216N, H1707 MH-60R Multi-Mission Helicopte	er Upgrade Developm	ent	
E. ACQUISITION STRATEGY:			
stablish a U.S. based production capability for the	ALFS wet end subsy	rstem	

UNCLASSIFIED

R-1 Shopping List Item No 87

Exhibit R-2a, RDTEN Project Justification
(Exhibit R-2a, Page 12 of 20)

	EXHIBIT	R-2a, RDT&E	Project Justifi	cation					DATE:
									February 2006
APPROPRIATION/BUDGET ACTIVITY		PROGRAM E	LEMENT NUM	IBER AND NAM	ЛΕ		PROJECT NU	MBER AND N	IAME
RDT&E, N /	BA 5	0604216N, M	ULTI-MISSION	I HELICOPTER	UPGRADE		9549, MULTI-	MISSION HEL	ICOPTER UPGRADE DEV
COST (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011		
9549 MULTI-MISSION HELICOPTER UPGRADE DEV	1.645								
RDT&E Articles Qty									

The Legacy Subsystems Improvement is for the research, design, and development of improved subsystems on the MH-60R Multi-Mission Helicopter. Congressional Add.

Exhibit R-2a, RDTEN Project Justification (Exhibit R-2a, Page 13 of 20)

	EXHIBI	T R-2a, RDT8	E Project Justi	fication			DATE:
APPROPRIATION/BUDGET ACTIVITY				MBER AND NAME		PROJECT NUMBER AN	
RDT&E, N / B. ACCOMPLISHMENTS / PLANNED PROGRAM:	BA 5	0604216N, I	MULTI-MISSIO	N HELICOPTER L	IPGRADE	9549, MULTI-MISSION I	HELICOPTER UPGRADE DEV
5. ACCOMPLISHMENTS / PLANNED PROGRAM.							
	FY 2005	FY 2006	FY 2007				
Accomplishments / Effort / Sub-total Cost	1.64	5					
RDT&E Articles Qty							
Multi-Mission Helicopter Legacy Subsystems Improvem and introduction of center console manufacturing innovations and introduction of center console manufacturing innovations.	ent to include: res ations.	search, design	and developme	ent of improved su	bsystems on the N	MH-60R program. Requirements i	nclude removal of flotation bag provisions

Exhibit R-2a, RDTEN Project Justification (Exhibit R-2a, Page 14 of 20)

	EXHIB	T R-2a, RDT&E	Project Justification		DATE: February 2006
APPROPRIATION/BUDGET ACTIVITY RDT&E, N /	BA 5		EMENT NUMBER AND NAME ILTI-MISSION HELICOPTER U	PROJECT NUMBER AND N 9549, MULTI-MISSION HEI	NAME
PROGRAM CHANGE SUMMARY					
Funding: Previous President's Budget: Current President's Budget: Total Adjustments	FY 2005 1.68 1.64 -0.03	5 0.000	FY 2007 0.000 0.000 0.000		
Summary of Adjustments Congressional Reductions Congressional Rescissions Congressional Undistributed Reductions Congressional Increases Economic Assumptions Miscellaneous Adjustments Subt	-0.03 otal -0.03		0.000		
Schedule:					
Not applicable					
Technical:					
Not applicable					

Exhibit R-2a, RDTEN Project Justification (Exhibit R-2a, Page 15 of 20)

	DATE:			
				February 2006
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NA	AME
RDT&E, N /	BA 5	0604216N, MULTI-MISSION HELICOPTER UPGRADE	9549, MULTI-MISSION HELI	COPTER UPGRADE DEV

D. OTHER PROGRAM FUNDING SUMMARY:	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Cost
APN-1 BLI-018200	359.386	551.006	915.742	951.064	1,144.480	1,198.116	1,205.622	2,760.793	9,086.209
APN-6 Initial Spares BLI: 0605-10	58.979	77.069	22.576	1.078	1.795	0.507	0.535		162.539
APN-5 Aircraft Modifications OSIP 001-06		4.375	4.932	3.326	3.925	2.983	3.040	16.575	39.156

Related RDT&E

0604216N, H1707 MH-60R Multi-Mission Helicopter Upgrade Development

E. ACQUISITION STRATEGY:

Multi-Mission Helicopter Legacy Subsystems Improvement to include: research, design and development of improved subsystems on the MH-60R program. Requirements include removal of flotation bag provisions and introduction of center console manufacturing innovations.

EXHIBIT R-2a, RDT&E Project Justification D									DATE: February 2006	
APPROPRIATION/BUDGET ACTIVITY		PROGRAM EI	LEMENT NUM	BER AND NAM	ΛE		PROJECT NU	IMBER AND N	IAME	
RDT&E, N /	BA 5	0604216N, MU	JLTI-MISSION	HELICOPTER	UPGRADE		9999, Congres	ssional Add		
COST (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011			
9549 MULTI-MISSION HELICOPTER UPGRADE DEV		1.700								
RDT&E Articles Qty										
RDT&E Articles Qty										

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

9999 - Congressional Add: The Legacy Subsystems Improvement is for the research, design, and development of improved subsystems on the MH-60R Multi-Mission Helicopter. Congressional Add.

Exhibit R-2a, RDTEN Project Justification (Exhibit R-2a, Page 17 of 20)

PROGRAM ELEMENT NUMBER AND NAME DT&E, N / BA 5 D604216N, MULTI-MISSION HELICOPTER UPGRADE PROJECT NUMBER AND NAME 9999, Congressional Add PROJECT NUMBER AND NAME 9999, Congressional Add PROJECT NUMBER AND NAME 9999, Congressional Add FY 2005 FY 2006 FY 2007 Complishments / Effort / Sub-total Cost		EXHII	BIT R-2a, RDT&	E Project Justi	fication		DATE:
ACCOMPLISHMENTS / PLANNED PROGRAM: FY 2005	PPROPRIATION/BUDGET ACTIVITY	RA 5	PROGRAM	ELEMENT NUI	MBER AND NAME	PROJECT NUM	February 2006 MBER AND NAME
complishments / Effort / Sub-total Cost 49 Multi-mission Helicopter Legacy Subsystem Improve 1.700 lulti-Mission Helicopter Legacy Subsystems Improvement to include: research, design and development of improved subsystems on the MH-60R program. Requirements include removal of flotation bag provision	. ACCOMPLISHMENTS / PLANNED PROGRAM:	DA 3	000421014, 1	NOL II-WIIOOIO	HILLIOOF TER OF ORABE	jasaa, congress	sional Add
complishments / Effort / Sub-total Cost 49 Multi-mission Helicopter Legacy Subsystem Improve 1.700 lulti-Mission Helicopter Legacy Subsystems Improvement to include: research, design and development of improved subsystems on the MH-60R program. Requirements include removal of flotation bag provision		EV 2005	EV 2006	EV 2007			
49 Multi-mission Helicopter Legacy Subsystem Improve 1.700 1	ccomplishments / Effort / Sub-total Cost	F1 2003	F1 2000	F1 2007			
Julit-Mission Helicopter Legacy Subsystems Improvement to include: research, design and development of Improved subsystems on the MH-60R program. Requirements include removal of flotation bag provision and introduction of center console manufacturing innovations.	549 Multi-mission Helicopter Legacy Subsystem Improve		1.70	0			
	Aulti-Mission Helicopter Legacy Subsystems Improvement and introduction of center console manufacturing innovation	to include: rons.	esearch, design	and developm	ent of improved subsystems on t	he MH-60R program. Requir	rements include removal of flotation bag provision

Exhibit R-2a, RDTEN Project Justification (Exhibit R-2a, Page 18 of 20)

	EXHIBIT R-2a, RDT&E Project Justification DATE:					
APPROPRIATION/BUDGET ACTIVITY RDT&E, N /	BA 5	PROGRAM ELEMENT NUMBER AND NAME 0604216N, MULTI-MISSION HELICOPTER UPGRADE	PROJECT NUMBER AND I 9999, Congressional Add	February 2006 NAME		
. PROGRAM CHANGE SUMMARY						
Funding: Previous President's Budget: Current President's Budget: Total Adjustments	FY 2005 0.00 0.00 0.00	00 0.000 0.000 00 1.700 0.000				
Summary of Adjustments Congressional Reductions Congressional Rescissions Congressional Undistributed Reduct Congressional Increases Economic Assumptions Miscellaneous Adjustments		1.700				
	Subtotal 0.00	00 1.700 0.000				
Schedule:						
Not applicable						
Technical:						
Not applicable						

Exhibit R-2a, RDTEN Project Justification (Exhibit R-2a, Page 19 of 20)

	DATE:			
			February 2006	
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NAME	
RDT&E, N /	BA 5	0604216N, MULTI-MISSION HELICOPTER UPGRADE	9999, Congressional Add	

D. OTHER PROGRAM FUNDING SUMMARY:	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Cost
APN-1 BLI-018200	359.386	551.006	915.742	951.064	1,144.480	1,198.116	1,205.622	2,760.793	9,086.209
APN-6 Initial Spares BLI: 0605-10	58.979	77.069	22.576	1.078	1.795	0.507	0.535		162.539
APN-5 Aircraft Modifications OSIP 001-06		4.375	4.932	3.326	3.925	2.983	3.040	16.575	39.156

Related RDT&E

0604216N, H1707 MH-60R Multi-Mission Helicopter Upgrade Development

E. ACQUISITION STRATEGY:

Multi-Mission Helicopter Legacy Subsystems Improvement to include: research, design and development of improved subsystems on the MH-60R program. Requirements include removal of flotation bag provisions and introduction of center console manufacturing innovations.