

# UNCLASSIFIED

CLASSIFICATION:

EXHIBIT R-2, RDT&E Budget Item Justification								DATE: <b>February 2002</b>			
APPROPRIATION/BUDGET ACTIVITY <b>RESEARCH DEVELOPMENT TEST &amp; EVALUATION, NAVY / BA-5</b>						R-1 ITEM NOMENCLATURE 0604216N Multi-Mission Helicopter Upgrade Development					
COST (\$ in Millions)	Prior Years Cost		FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Total Program
Total PE Cost	693.584		78.386*	148.068	88.969	52.199	21.053	0.362	0.428	0.000	1,083.049
H1707 MMH Upgrade Development	693.584		78.386*	135.381	88.969	52.199	21.053	0.362	0.428	0.000	1,070.362
H3053 MH-60S AMCM				12.687							12.687
Quantity of RDT&E Articles	2										2
<p>From program inception through FY99, the program was funded under P.E. 0604212N, ASW &amp; Other Helo Development, Project Unit H1707.</p> <p>*The FY 2001 budget reflects a \$5M Congressional add for ATIRCM/CMWS Integration and a \$4M Congressional add for Advanced Threat Infrared Countermeasures which were reduced by \$.206M and \$.036M respectively for Congressional Undistributed adjustments.</p> <p>(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:                      The MH-60R Multi-Mission Helicopter Upgrade Development provides battle group protection and adds significant capability in coastal littorals and regional conflicts. The MH-60R Multi-Mission Helicopter Upgrade Development represents a significant avionics modification 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. FY01 and FY02 reflect remanufacture of MH-60R. FY03 and out reflects a new production procurement strategy.</p> <p>(U) JUSTIFICATION FOR BUDGET ACTIVITY:                      This program is funded under Engineering &amp; Manufacturing Development because it encompasses engineering and manufacturing development of new end-items prior to production approval decision.</p>											

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EXHIBIT R-2a, RDT&E Project Justification								DATE: <b>February 2002</b>			
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-5</b>	PROGRAM ELEMENT NUMBER AND NAME PE 0604216N Multi-Mission Helicopter Upgrade Development					PROJECT NUMBER AND NAME H1707 MMH Upgrade Development					
COST (\$ in Millions)	Prior Years Cost	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Total Program	
Project Cost	693.584	78.386	135.381	88.969	52.199	21.053	0.362	0.428	0.000	1,070.362	
RDT&E Articles Qty	2									2	

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

\*The FY 2001 budget reflects a \$5M Congressional add for ATIRCM/CMWS Integration and a \$4M Congressional add for Advance Threat Infrared Countermeasures which were reduced by \$.206M and \$.036M respectively for Congressional Undistributed adjustments.

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

The MH-60R Multi-Mission Helicopter Upgrade Development provides battle group protection and adds significant capability in coastal littorals and regional conflicts. The MH-60R Multi-Mission Helicopter Upgrade Development represents a significant avionics modification 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. FY01 and FY02 reflect remanufacture of MH-60R. FY03 and out reflects a new production procurement strategy.

**(U) PROGRAM ACCOMPLISHMENTS AND PLANS:**

1. FY 2001 Accomplishments:

- (U) (\$46.686) EMD Phase I and II: Continued ESM development and design of operator/tactical assistance software programs and integrated self-defense suite. Continued system software development and support DT-IIC and ALFS Operational testing. Conducted Test Readiness Review (TRR) and continued test flights of Test Article aircraft. Continued procurement of management, manufacturing, material, and engineering labor associated with Test Articles avionics. Supported an Acquisition Baseline Review.
- (U) (\$12.681) Conducted DT-IIB and DT-IIC testing for MH-60R. Tested a prototype aircraft and concentrated on Acoustics (including ALFS), Radar ESM, and Common Cockpit. Testing supported LRIP II procurement decision.
- (U) (\$2.696) Continued avionics hardware updates, integration and testing, production test equipment development, Integrated Logistics Support, Engineering, and Testing.
- (U) (\$1.022) Procured Test Articles support, GFE repair, parts support, and maintenance of test articles.

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<ul style="list-style-type: none"> <li>- (U) (\$3.999) Engineering and Logistics evaluated and analyzed for impacts to the MH-60R design on Dynamic Component life. Built test coupons and performed certification testing. Conducted instrumented ground and flight tests.</li> <li>- (U) (\$2.544) Continued documentation and processed requirements for multiple LRIP reviews. Continued Navy logistics, systems engineering and test support, program management and travel. Supported requirements for Test Article aircraft including aircraft maintenance, trainer systems development, Integrated Logistics Support, and field activity support.</li> <li>- (U) (\$4.794) (Congressional Add) Completed ATIRCM/CMWS integration on the MH-60R. Performed integration of Common Missile Warning System to include sensor alignment/sensor placement study for MH-60R mission profiles, and modification of existing ARMY threat data for over water and Littoral threats. Performed risk reduction efforts to incorporate integrated Advanced Tactical Infrared-Red Counter Measures.</li> <li>- (U) (\$3.964) (Congressional Add) Performed integration of ATIRCM into the MH-60R. Effort included installation and testing of dual LASER/dual Jam-Head arrangement and programming and testing of User Defined Module (UDM) for aircraft threats over water.</li> </ul> <p>2. FY 2002 PLANS:</p> <ul style="list-style-type: none"> <li>- (U) (\$74.200) EMD Phase I and II: Continue system software and hardware development and integration to include: RADAR mode development, ESM development, acoustics and post processing, mission planning, weapons, stores and self defense, data fusion, logistics products including Integrated Electronic Technical Manuals, boresighting equipment and integration. Support aircraft integration, problem investigation and resolution, lab management and upgrades, hardware investigations and repairs in support of the test program. Provide ILS support, Program Management support, Risk Management Board support, and subvendor support.</li> <li>- (U) (\$12.400) Airframe test articles, GFE repair, and risk management board support. Procurement of Digital Mock-up and weight reduction studies, Integrated Self Detection integration development and vibration testing. Complete and deliver test article aircraft.</li> <li>- (U) (\$9.150) Provide engineering specialties, Integrated Logistics Support, Contractor Services Support, System Engineering, Program Management and Travel as required to support the MH-60R developmental program and test activities (DT-IIC).</li> <li>- (U) (\$17.050) Continue testing of MH-60R and its mission avionics.</li> <li>- (U) (\$5.100) Continue Acoustics (including ALFS) development, integration and testing. Correct deficiencies encountered during testing and integration in order to support DT-IID.</li> <li>- (U) (\$13.000) Continue engineering and Logistics evaluation and analysis of impacts to the MH-60R design on Dynamic Component life. Continue to build test coupons and perform certification testing. Continue to conduct instrumented ground and flight tests.</li> </ul>		

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APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-5</b>	PROGRAM ELEMENT NUMBER AND NAME 0604216N Multi-Mission Helicopter Upgrade Development	PROJECT NUMBER AND NAME H1707 MMH Upgrade Development
<p>- (U) (\$4.483) Portion of extramural program reserved for Small Business Innovation Research assessment in accordance with 15USC 638.</p> <p>3. FY 2003 PLANS:</p> <ul style="list-style-type: none"> <li>- (U) (\$53.521) EMD Phase II: Continue system software and hardware development and integration to include: RADAR mode development, ESM development, acoustics and post processing, mission planning, weapons, stores and self defense, data fusion, logistics products development including IETMs, boresighting equipment and integration. Continue to support aircraft integration, problem investigation and resolution, lab management and upgrades, hardware investigations and repairs in support of the test program. Continue to provide ILS support, Program Management support, Risk Management Board support and subvendor support.</li> <li>- (U) (\$9.900) Continue Airframe test articles, GFE repair, and risk management board support. Support TECHEVAL, provide ILS support and correct deficiencies found during testing.</li> <li>- (U) (\$8.848) Continue to provide engineering specialties, Integrated Logistics Support, Contractor Services Support, Systems Engineering, Program Management, and Travel as required to support the MH-60R developmental program and test activities (DT-IID &amp; OT-IIA).</li> <li>- (U) (\$16.200) Continue developmental and operational testing of MH-60R and it's mission avionics.</li> <li>- (U) (\$.500) Continue Acoustics processor (including ALFS) development, integration and testing. Correct deficiencies encountered during testing and integration in order to support TECHEVAL &amp; OPEVAL.</li> </ul>		

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APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-5</b>		PROGRAM ELEMENT NUMBER AND NAME 0604216N Multi-Mission Helicopter Upgrade Dev			PROJECT NUMBER AND NAME H1707 MMH Upgrade Development						
<b>(U) B. PROGRAM CHANGE SUMMARY:</b>											
		<u>FY2001</u>	<u>FY 2002</u>	<u>FY2003</u>							
(U) FY 2002 President's Budget:		83.115	136.618								
(U) Adjustments from the FY 2002 President's Budget:		-4.729	-1.237								
(U) FY2003 President's Budget Submit:		78.386	135.381	88.969							
 <b>CHANGE SUMMARY EXPLANATION:</b>											
<p>(U) Funding: The FY 2001 net decrease of \$4.729 million reflects a decrease of \$5.000 million for TADIRCM, a decrease of \$2.133 million for Small Business Innovation Research assessment, and a decrease of \$1.595 million for reprioritization of requirements within the Navy offset by an increase of \$3.999 for Dynamic Components. The FY2002 net decrease of \$1.237 reflects a decrease of \$1.210 million for undistributed congressional reduction and a decrease of \$.030 million for reprioritization of requirements within the Navy.</p> <p>(U) Schedule: Schedule changes are due to program restructure and a new acquisition strategy to build new production aircraft vice remanufacture.</p> <p>(U) Technical: Not Applicable.</p>											
 <b>(U) C. OTHER PROGRAM FUNDING SUMMARY:</b>											
	<u>Line Item No. &amp; Name</u>	<u>Prior Years</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>To Complete</u>	<u>Total</u>
	APN-1 (BLI -018200)	223.328	53.676	9.933	116.212	392.768	397.215	409.733	419.567	5919.588	7942.020
	APN-6 Initial Spares (BLI-060510)	12.263	0.000	0.000	0.000	59.814	65.018	52.580	52.924	5.600	248.199
<p>Related RDT&amp;E</p> <p>(U) PE 0604507N Enhanced Modulare Signal Processor</p> <p>(U) PE 0604261N Acoustic Search Sensors</p> <p>(U) PE 0604212N ASW &amp; Other Helo Development (TCDL)</p>											

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**Exhibit R-2, RDTEN Budget Item Justification**  
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<b>APPROPRIATION/BUDGET ACTIVITY</b>	<b>PROGRAM ELEMENT NUMBER AND NAME</b>	<b>PROJECT NUMBER AND NAME</b>																										
<b>RDT&amp;E, N / BA-5</b>	PE 0604216N Multi-Mission Helicopter Upgrade Dev	H1707 MMH Upgrade Development																										
<p>(U) D. ACQUISITION STRATEGY: The contracting plan for Common Cockpit was changed from a Federal Acquisition Regulation contract to a Section 845 Other Transaction. In FY99, the program was restructured to allow two prime contractors for the LRIP and Test Articles. A sole source contract was awarded to Sikorsky for the Air Vehicle portion and Lockheed Martin Systems Integration for the avionics integration.</p> <p>(U) E. SCHEDULE PROFILE:</p> <table style="width: 100%; border-collapse: collapse; margin-top: 20px;"> <thead> <tr> <th style="width: 25%;"></th> <th style="width: 20%; text-align: center;"><u>FY 2001</u></th> <th style="width: 20%; text-align: center;"><u>FY 2002</u></th> <th style="width: 20%; text-align: center;"><u>FY 2003</u></th> <th style="width: 15%; text-align: center;"><u>TO COMPLETE</u></th> </tr> </thead> <tbody> <tr> <td>(U) Program Milestones</td> <td></td> <td></td> <td></td> <td>Milestone III 3Q/05 IOC 4Q/05</td> </tr> <tr> <td>(U) Engineering Milestones</td> <td>TRR#2 3Q/01</td> <td></td> <td>OTRR (OTIIA) 2Q/03</td> <td>OTRR (OPEVAL) 3Q/04</td> </tr> <tr> <td>(U) T&amp;E Milestones</td> <td>DT-IIB 2Q/00-2Q/01 DT-IIC 3Q/01-4Q/02</td> <td>Complete DT-IIC 4Q/02</td> <td>DT-IID 1Q/03-3Q/03 OTIIA 2Q/03-3Q/03</td> <td>TECHEVAL 1Q/04-2Q/04 OPEVAL 3Q/04-1Q/05</td> </tr> <tr> <td>(U) Contract Milestones</td> <td></td> <td>LMSI EMD II REPLAN 1Q/02</td> <td></td> <td></td> </tr> </tbody> </table>					<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>TO COMPLETE</u>	(U) Program Milestones				Milestone III 3Q/05 IOC 4Q/05	(U) Engineering Milestones	TRR#2 3Q/01		OTRR (OTIIA) 2Q/03	OTRR (OPEVAL) 3Q/04	(U) T&E Milestones	DT-IIB 2Q/00-2Q/01 DT-IIC 3Q/01-4Q/02	Complete DT-IIC 4Q/02	DT-IID 1Q/03-3Q/03 OTIIA 2Q/03-3Q/03	TECHEVAL 1Q/04-2Q/04 OPEVAL 3Q/04-1Q/05	(U) Contract Milestones		LMSI EMD II REPLAN 1Q/02		
	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>TO COMPLETE</u>																								
(U) Program Milestones				Milestone III 3Q/05 IOC 4Q/05																								
(U) Engineering Milestones	TRR#2 3Q/01		OTRR (OTIIA) 2Q/03	OTRR (OPEVAL) 3Q/04																								
(U) T&E Milestones	DT-IIB 2Q/00-2Q/01 DT-IIC 3Q/01-4Q/02	Complete DT-IIC 4Q/02	DT-IID 1Q/03-3Q/03 OTIIA 2Q/03-3Q/03	TECHEVAL 1Q/04-2Q/04 OPEVAL 3Q/04-1Q/05																								
(U) Contract Milestones		LMSI EMD II REPLAN 1Q/02																										



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Exhibit R-3 Cost Analysis (page 1)							DATE: <b>February 2002</b>					
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NUMBER AND NAME						
<b>RDT&amp;E, N / BA-5</b>			0604216N Multi-Mission Helicopter Upgrade Dev			H1707 MMH Upgrade Development						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	FY 03 Cost	FY 03 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Engineering Support	WX	NAWC-AD PAX (Warm, PA)	32.580								32.580	
Engineering Support	RX	NAWC-AD PAX	6.266	2.134	12/00	2.567	12/01	3.322	12/02	2.526	16.815	
Integrated Logistics Support	WX	Cherry Point, Lakehurst	5.395	0.562	11/00	1.941	03/02	1.376	12/02	1.206	10.480	
Integrated Logistics Support	RX	Cherry Point, Lakehurst	0.070								0.070	
Training Support	RX/WX	NUWC/NAWC-AD PAX	1.371								1.371	
Other FY93 & Prior Year Cost	MISC	MISC Activities	46.260								46.260	
GFE - FLIR	RX	NSWC Crane, Indy	4.214								4.214	
GFE - AVR-2 Laser Interface Unit	MIPR	Army, Ft. Monmouth, NJ	1.636								1.636	
GFE- M299 Missile Launcher	MIPR	Redstone Arsenal	0.257								0.257	
Misc GFE Milstrips	Reqn	NAVICP	0.333								0.333	
GFE - Tester	WX	Crane	0.060								0.060	
GFE - Pyton Interface Unit	WX	Crane	0.500								0.500	
GFE - ALE-47 Countermeasures	WX/MIPR	Crane/Robins AFB	0.138								0.138	
COTS AP Engineering (H2631)	WX	NAWC-AD PAX	0.517								0.517	
SGS Equipment (H2633)	WX/RX	MISC Activities	0.969								0.969	
PADS Engineering Support (H2414)	WX/RX	MISC Activities	6.351								6.351	
AIC Engineering Support (H2413)	WX	NAWC-AD PAX	3.148								3.148	
AIC Engineering Support (H2413)	RX	NAWC-AD PAX	1.570								1.570	
Subtotal Support			111.635	2.696		4.508		4.698		3.732	127.269	
Remarks: NSWC Crane, Indy for \$2.6M adds into the TOTAL but doesn't print in the TOTAL Cost Column.												

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Exhibit R-2, RD TEN Budget Item Justification  
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Exhibit R-3 Cost Analysis (page 2)								DATE: <b>February 2002</b>				
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NUMBER AND NAME						
<b>RDT&amp;E, N / BA-5</b>			0604216N Multi-Mission Helicopter Upgrade Dev			H1707 MMH Upgrade Development						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	FY 03 Cost	FY 03 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	WX	NAWC-AD, Pax River	19.622	8.983	10/00	15.483	11/01	14.663	11/02	20.804	79.555	
Operational Test & Evaluation	WX	NAWC-AD, Pax River	0.031	0.930	10/00	1.167	11/01	1.404	11/02	2.250	5.782	
Live Fire Test & Evaluation	WX	NAWC-WD, China Lake		0.787	10/00	0.400	11/01	0.133	11/02	0.096	1.416	
Developmental Test & Evaluation	WX	SNWSC-San Diego		0.035	10/00						0.035	
Subtotal T&E			19.653	10.735		17.050		16.200		23.150	86.788	
Remarks:												
Engineering Support (FFRDC)	MIPR	CECOM, Ft. Monmouth, NJ	2.452	0.711	12/00	0.669	01/02	0.309	12/02	0.256	4.397	
Government Engineering Support	WX	NAWC-AD Pax River	1.783	0.527	11/00	3.041	01/02	2.209	11/02	0.857	8.417	
Program Management Support	RX	MISC Activities	2.362	0.822	12/00	0.109	01/02	1.106	12/02	0.647	5.046	
PADS Management Support	RX	MISC Activities	1.081								1.081	
COTS AP Engineering (FFRDC)	MIPR	CECOM, Ft. Monmouth, NJ	0.063								0.063	
Travel	WX	NAWC-AD Pax River	1.474	0.943	10/00	0.753	10/01	0.526	10/02	1.500	5.196	
SBIR Assessment						4.551					4.483	
Subtotal Management			9.215	3.003		9.123		4.150		3.260	28.751	
Remarks:												
Total Cost			693.584	78.386		135.381		88.969		74.042	1,070.362	
Remarks:												

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**Exhibit R-2, RDTE Budget Item Justification**  
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<b>RDT&amp;E, N / BA-5</b>	0604216N Multi-Mission Helicopter Upgrade Development					H3053 MH-60S AMCM					
COST (\$ in Millions)	Prior Years Cost		FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Total Program
Project Cost				<b>12.687</b>							<b>12.687</b>
RDT&E Articles Qty											
<p>(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: The Helicopter Combat Support (HC) mission is to maintain forward deployed fleet sustainability through rapid airborne delivery of materials and personnel and to support amphibious operations through search and rescue coverage. The primary roles of the aircraft are to conduct vertical replenishment (VERTREP), day/night ship-to-ship, ship-to-shore, and shore-to-ship external transfer of cargo; internal transport of passengers, mail and cargo, vertical on board delivery (VOD); airhead operations, and day/night search and rescue (SAR). The aircraft secondary roles include torpedo and drone recovery, noncombatant evacuation operations (NEO), Sea Air Land (SEAL) and Explosive Ordnance Disposal (EOD) support. The MH-60S ORD was modified in May 2000 to add Organic Airborne Mine Countermeasures (OAMCM) as a primary mission for the MH-60S. The AMCM mission will provide Carrier Battle Groups (CVBGs) and Amphibious Readiness Groups (ARGs) with an OAMCM capability.</p> <p>(U) PROGRAM ACCOMPLISHMENTS AND PLANS:</p> <p>1. FY 2001 ACCOMPLISHMENTS: N/A</p> <p>2. FY 2002 PLANS:</p> <p style="padding-left: 40px;">-(U) (\$12.687) Modification of MH-60S aircraft to support AMCM test and evaluation activities.</p> <p>3. FY 2003 PLANS: N/A</p>											

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<b>RDT&amp;E, N / BA-5</b>	0604216N Multi-Mission Helicopter Upgrade Development	H3053 MH-60S AMCM						
 (U) B. PROGRAM CHANGE SUMMARY:								
	<u>FY2001</u>	<u>FY2002</u>	<u>FY2003</u>					
(U) FY 2002 President's Budget Submit:		12.800						
(U) Adjustments from the FY 2002 President's Budget:		-0.113						
(U) FY 2003 President's Budget Submit:		12.687						
 CHANGE SUMMARY EXPLANATION:								
(U) Funding: FY 2002 reflects a decrease of \$.113 million for an undistributed Congressional reduction.								
(U) Schedule: Not applicable								
(U) Technical: Not applicable								
 (U) C. OTHER PROGRAM FUNDING SUMMARY:								
<u>Line Item No. &amp; Name</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>To Complete</u>
017900 APN-1 MH-60S	283.821	254.031	372.155	384.157	445.996	551.736	595.468	1,607.030
AMCM (Included in numbers above)		9.504	18.000	46.264	41.779	35.260	42.949	98.255
060510 APN-6 MH-60S	29.873	19.280	0.000	23.604	0.549	0.533	0.561	0.000
0604212N, H2415, MH-60S Development	30.807	41.721	23.241	20.158	13.056	11.987	6.198	Continuing
 (U) D. ACQUISITION STRATEGY:								
 (U) E. SCHEDULE PROFILE: See MH-60S Development schedule in PE 0604212N, PU H2415								

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Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	FY 03 Cost	FY 03 Award Date	Cost to Complete	Total Cost	Target Value of Contract
MH-60S NRE and Modifications	SS/CPAF	Sikorsky, Stratford, CT				12.687	3/02				12.687	12.687
Subtotal Product Development						12.687					12.687	12.687
Remarks:												
Subtotal Support												

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Exhibit R-3 Cost Analysis (page 2)										DATE: <b>February 2002</b>		
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-5</b>			PROGRAM ELEMENT 0604216N Multi-Mission Helicopter Upgrade Development				PROJECT NUMBER AND NAME H3053 MH-60S AMCM					
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	FY 03 Cost	FY 03 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Subtotal T&E												
Remarks:												
Subtotal Management												
Remarks:												
Total Cost						12.687					12.687	
Remarks:												

R-1 SHOPPING LIST - Item No. 97

# UNCLASSIFIED