

BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: February 2004																									
APPROPRIATION/BUDGET ACTIVITY Weapons Procurement, Navy BA-4: Other Weapons							P-1 ITEM NOMENCLATURE Airborne Mine Neutralization System/422500/74AM																										
Program Element for Code B Items: 0604373N Airborne Mine Countermeasures							Other Related Program Elements 0204302N																										
	Prior Years	ID Code		FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total																					
QUANTITY																																	
COST (In Millions)		B		\$0.7	\$0.0	\$0.0	\$13.3	\$31.6	\$23.5	\$34.4	CONT.	CONT.																					
SPARES COST (In Millions)				\$0.0	\$0.0	\$0.0	\$1.2	\$3.5	\$3.4	\$3.6	CONT.	CONT.																					
<p>PROGRAM DESCRIPTION/JUSTIFICATION: Airborne Mine Countermeasures (AMCM) Equipment is currently used by MH-53E helicopters to counter the threat of sea mines. The MH-60S helicopter will be adapted for the AMCM mission in support of the development of an Organic Fleet AMCM program. The equipment is divided into two broad categories -- minesweeping and minehunting. (1) Minesweeping is performed by mechanical or influence sweeps. In mechanical sweeping, the mine mooring is severed by the sweep gear allowing the mine to float to the surface where it is destroyed. In influence sweeping, a magnetic or acoustic field which simulates the magnetic/acoustic signature of a ship is introduced into the water. This field causes the mine mechanism to actuate. (2) In mine hunting, the object is to actually locate and classify minelike objects (usually by means of high resolution sonar) and mark or neutralize mines using explosive devices. AMCM squadrons currently have mechanical, magnetic, and acoustic sweeping capabilities, and mine surveillance and marking capabilities. Their mission is to locate, classify and neutralize moored and bottom mines.</p> <p>Airborne Mine Neutralization System (AMNS) is composed of the following major subsystems and components:</p> <table border="0"> <tr> <td><u>MH-53E</u></td> <td><u>MH-60S</u></td> </tr> <tr> <td>(a) Operator Control Console</td> <td>Launched Handling Sub-system</td> </tr> <tr> <td>(b) Winch Mod Kit</td> <td>Neutralizer Sub-system</td> </tr> <tr> <td>(c) In water assembly</td> <td>Software</td> </tr> <tr> <td>(d) Neutralizer</td> <td></td> </tr> <tr> <td>(e) Launched stowage assembly</td> <td></td> </tr> <tr> <td>(f) Davit Sheave assembly</td> <td></td> </tr> <tr> <td>(g) Software</td> <td></td> </tr> </table> <p>AMNS procurements will be funded by: OPN for the AMNS combat system. WPN for AMNS neutralizer program.</p> <p>Rapid Airborne Mine Clearance System (RAMICS) MIW program will satisfy the U.S. Navy's need for rapid mine clearance capability required to neutralize near-surface and surface (floating) moored sea mines. RAMICS will use geo-location data provided by other minehunting and mine reconnaissance systems, use a laser system to reacquire targets and to direct the fire of supercavitating projectiles that will render the mines inoperable. RAMICS includes the following major subsystems and components:</p> <table border="0"> <tr> <td>(a) Gun Subsystem</td> </tr> <tr> <td>(b) MK258 Mod 1 ammunition</td> </tr> <tr> <td>(c) Targeting Sensor Subsystem</td> </tr> <tr> <td>(d) Fire Control Subsystem</td> </tr> <tr> <td>(e) Software</td> </tr> </table> <p>The system will be deployed from the MH-60S helicopter and will provide organic airborne mine defense for Carrier Strike Groups (CSG) and Expeditionary Strike Groups (ESG). This capability will be of critical importance in littoral zones, confined straits, choke points, and the Amphibious Objective area (AOA).</p> <p>RAMICS procurements will be funded by: WPN for the RAMICS combat system. PANMC for RAMICS projectile ammunition program.</p>													<u>MH-53E</u>	<u>MH-60S</u>	(a) Operator Control Console	Launched Handling Sub-system	(b) Winch Mod Kit	Neutralizer Sub-system	(c) In water assembly	Software	(d) Neutralizer		(e) Launched stowage assembly		(f) Davit Sheave assembly		(g) Software		(a) Gun Subsystem	(b) MK258 Mod 1 ammunition	(c) Targeting Sensor Subsystem	(d) Fire Control Subsystem	(e) Software
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CLASSIFICATION:

UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System						DATE: February 2004					
APPROPRIATION/BUDGET ACTIVITY Weapons Procurement, Navy				BA-4: Other Weapons						ID Code B			P-1 ITEM NOMENCLATURE/SUBHEAD Airborne Mine Neutralization System/422500/74AM		
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2002			FY 2003			FY 2004			FY 2005		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
AM065	<u>Unit Cost - AMNS Neutralizer</u>	B					15	48.00	720						
Subtotal									720				0		0

UNCLASSIFIED