

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System									DATE: February 2004				
APPROPRIATION/BUDGET ACTIVITY Weapons Procurement, Navy BA-3 Torpedo and Other Related Equipment				ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD Torpedo Support Equipment BLI: 330100 SBHD: H3F8												
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS														
			FY 2002 and Prior Total Cost	FY 2003			FY 2004			FY 2005							
				Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost					
	N76																
F8001	Lightweight Support Equipment					448			190						1,450		
F8002	Other Equipment Investment					3,219			4,083						1,695		
F8830	Production Engineering - In House					1,623			1,267						1,296		
F8840	Quality Assurance					65			172						73		
F8860	Acceptance T & E					449			452						444		
F8900	Production Engineering - Contractor					180			183						187		
Total	Lightweight Total					5,984			6,347						5,145		
	N77																
F8100	Exercise and Expendables and Component Replacement					6,678			7,922						8,082		
F8101	Other Equipment Investment					9,011			7,533						6,428		
F8833	Production Engineering (In-house)					1,631			1,443						2,055		
F8843	Quality Assurance					400			589						632		
F8863	Acceptance Test and Evaluation					220			223						359		
F8893	Production Engineering - Contractor					600			700						700		
Total	Heavyweight Total					18,540			18,410						18,256		
						24,524			24,757						23,401		

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BUDGET ITEM JUSTIFICATION SHEET P-40											DATE: February 2004	
APPROPRIATION/BUDGET ACTIVITY <b>Weapons Procurement, Navy/BA-3 Torpedo and Related Equipment</b>							P-1 ITEM NOMENCLATURE <b>Torpedo Support Equipment BLI: 330100 SBHD: H3F8</b>					
Program Element for Code B Items:							Other Related Program Elements					
	FY 2002 and Prior	ID Code	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Program	
QUANTITY												
COST (\$M)	CONT.		\$24.5	\$24.8	\$23.4	\$41.7	\$26.7	\$30.4	\$28.3	CONT.	CONT.	
Initial Spares (\$M)			\$1.6	\$0.4	\$0.6	\$0.4	\$0.7	\$0.9	\$1.0	CONT.	CONT.	
<p>The Torpedo Support Equipment account procures various 4T and associated torpedo components required to ready weapons for Surface Ships, Sub-Surface, Fixed Wing, and Rotary to achieve and maintain a readiness posture sufficient to counter the enemy sub-surface threat. The objective of this line is to provide the Fleet with ready exercise weapons for conducting training maneuvers which involve actually firing the torpedoes, and to maintain warshot inventories in an operational ready-for-issue status in support of combat ready deployment by anti-submarine warfare forces. After a torpedo is fired during a training exercise it is recovered and all expendable components such as batteries, cables, igniters (as well as various accessories required for air-launched torpedoes), must be replaced. These items as well as components such as exercise heads, fuel tanks, and exhaust valves which may be used more than onetime, but which are worn out or lost in service, are procured each fiscal year in quantities dependent upon the Fleet training requirements and tempo of operations. The torpedoes requiring support are the MK46 Mod 5A(S), MK46 Mod 5A(SW), MK 48 Mod 4, 5, and 6, MK 50, MK 54 and their associated Support and Test Equipment (S&amp;TE). Cost codes F8001- Lightweight Support Equipment and F8100 - Heavyweight Exercise and Expendables and Component Replacement procures 4T components to support Fleet Proficiency Firings. 4T Components includes the following: lead droppers, seawater batteries, pressure cylinders, REXTORP kits, sway brace pads, suspension bands, thermal batteries, boiler assemblies, stop squibs, shutdown valves, gas injection assemblies, tailnuts, air stabilizers, wire coils, flex hoses, otto fuel, igniters, propellant, umbilical cables, and containers. Cost Codes F8002 - Lightweight Other Equipment Investment and F8101 - Heavyweight Other Equipment Investment procures and installs ECP/ORDALT material required for Support and Test Equipment and to retrofit torpedoes including 4T components to the latest ready-for-issue (RFI) configuration. In addition to 4T components procurement and other equipment investment, this account provides for production support and test/evaluation for these components and procurement of product improvement hardware and related equipment.</p> <p>During POM04, FY06 - 09 Heavyweight funding was increased to procure Torpedo Support Equipment necessary to increase MK 48 ADCAP Toredpo Proficiency exercise firings as requested by Commander Naval Submarine Forces and approved by N77. The significant increase is necessary to provide 4T COG items for the increased firing requirements in FY07 and out.</p>												

P-1 SHOPPING LIST

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<b>BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)</b>	Weapon System	<b>A. DATE</b> February 2004
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<b>B. APPROPRIATION/BUDGET ACTIVITY</b> Weapons Procurement, Navy BA-3 Torpedo Support Equipment	<b>C. P-1 ITEM NOMENCLATURE</b> Torpedo Support Equipment	<b>SUBHEAD</b> H3F8
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Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY2003										
Otto Fuel	28	12.970	NSWC Indian Head	Option	SS / FFP	NSWC Indian Head, MD	8/03	10/03	Yes	
MK50 REXTORP Kit	300	0.100	NUWC, Keyport	Option	C / FFP	Team Keyport Services, Poulsbo WA	1/03	9/03	Yes	
Universal REXTORP	2	27.500	NUWC, Keyport	11/02	C / FFP	Team Keyport Services, Poulsbo WA	1/03	1/04	Yes	
Torpedo Wire Coil	762	2.949	NAVSEA	Option	C / FFP	Entwistle, Hudson, MA	7/03	6/04	Yes	
Sub Wire Coil	450	2.099	NAVSEA	Option	C / FFP	Entwistle, Hudson, MA	7/03	4/04	Yes	
Flex Hose (Improved)	865	1.036	NAVSEA	Option	C / FFP	Cortland Cable Co, Cortland, NY	1/03	12/03	Yes	
Otto Fuel	172	12.970	NSWC Indian Head	Option	C / FFP	NSWC Indian Head, MD	1/03	2/03	Yes	
Igniter	800	0.151	NAVSEA	Option	C / FFP	Quantic, Hollister, CA	5/03	1/04	Yes	
MK62-1 A-Cable Recepticle	120	1.213	NAVSEA	Option	C / FFP	SEACON Phoenix, Westerly, R.I.	5/03	4/04	Yes	
MK62-1 A-Cable Insert	1000	0.092	NAVSEA	Option	C / FFP	General Reliance Inc., Denville NJ	5/03	10/03	Yes	
FY2004										
MK50 REXTORP Kit	500	0.100	NUWC, Keyport	1/04	C / FFP	Unknown	3/04	8/04	Yes	
MK50 Single Card Data Recorder	10	4.000	NUWC, Keyport	Option	C / FFP	Team Keyport Services, Poulsbo WA	12/03	1/05	Yes	
Otto Fuel	6	16.650	NSWC Indian Head	Option	SS / FFP	NSWC Indian Head, MD	12/03	2/04	Yes	
Torpedo Wire Coil	775	3.099	NAVSEA	Option	C / FFP	Entwistle, Hudson, MA	3/04	1/05	Yes	
Sub Wire Coil	800	2.135	NAVSEA	1/04	C / FFP	Unknown	3/04	1/05	Yes	
Flex Hose (Improved)	650	1.080	NAVSEA	Option	C / FFP	Cortland Cable Co, Cortland, NY	1/04	1/04	Yes	
Otto Fuel	134	16.650	NSWC Indian Head	Option	SS / FFP	NSWC Indian Head, MD	12/03	2/04	Yes	
Igniter	700	0.250	NAVSEA	1/04	C / FFP	Unknown	3/04	1/05	Yes	
Propellant	500	0.750	NAVSEA	1/04	SS / FFP	Unknown	3/04	1/05	Yes	
MK62-1 A-Cable Recepticle	201	1.154	NAVSEA	Option	C / FFP	SEACON Phoenix, Westerly, R.I.	3/04	1/05	Yes	
MK62-1 A-Cable Insert	1000	0.097	NAVSEA	Option	C / FFP	General Reliance Inc., Denville NJ	3/04	1/05	Yes	

<b>D. REMARKS</b>
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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE			
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE					SUBHEAD	
Weapons Procurement, Navy					Torpedo Support Equipment					H3F8	
BA-3 Torpedo Support Equipment					Torpedo Support Equipment					H3F8	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE	
FY2005											
Universal REXTORP	50	28.000	NUWC, Keyport	11/04	C / FFP	Unknown	1/05	1/06	Yes		
MK50 REXTORP Kit	500	0.100	NUWC, Keyport	Option	C / FFP	Unknown	3/05	8/05	Yes		
Torpedo Wire Coil	743	3.069	NAVSEA	Option	C / FFP	Entwistle, Hudson, MA	3/05	1/06	Yes		
Sub Wire Coil	1200	2.200	NAVSEA	Option	C / FFP	Unknown	3/05	1/06	Yes		
Flex Hose (Improved)	1200	1.080	NAVSEA	11/04	C / FFP	Unknown	3/05	1/06	Yes		
Igniter	700	0.250	NAVSEA	Option	C / FFP	Unknown	3/05	1/06	Yes		
Propellant	1000	0.750	NAVSEA	Option	SS / FFP	Unknown	3/05	1/06	Yes		
MK62-1 A-Cable Receptacle	840	1.000	NAVSEA	Option	C / FFP	SEACON Phoenix, Westerly, R.I.	3/05	1/06	Yes		
MK62-1 A-Cable Insert	1000	0.100	NAVSEA	Option	C / FFP	General Reliance Inc., Denville NJ	3/05	1/06	Yes		
D. REMARKS											