

BUDGET ITEM JUSTIFICATION SHEET

DATE: FEBRUARY 2004

APPROPRIATION/  
PROCUREMENT, PAN&MC

P-1 NOMENCLATURE:  
LINEAR CHARGES, ALL TYPES

(BLIN: 103000 )

	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	
QUANTITY								
COST (M\$)	43.381	36.281	10.286	8.587	29.487	36.889	31.630	

MARINE CORPS RESERVES (M) \$'S:

FY03	FY04	FY05	FY06	FY07	FY08	FY09
4.258	3.922	1.150	0.969	3.212	4.007	3.442

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APPROPRIATION/ PROCUREMENT,	PAN&MC	P-1 NOMENCLATURE: ROCKET MOTOR, 5 INCH						
	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	
QUANTITY	1,658	242	240	471	465	455	448	
COST (M\$)	13.631	1.999	2.000	4.000	4.000	4.000	4.000	
<p>The Rocket Motor, 5-inch MK22 Mod 4 (DODIC J143) is a solid-fuel motor used for towing M58, M59, M68A2, and M69 Linear Demolition Charges (LDCs) into the air over obstacles or minefields for breaching, training, or test applications. The rocket motor is approximately 77 inches long, 5 inches in diameter, weighs 128 pounds, and contains 42 pounds of N-5 double-base propellant. It has a tractor motor design which incorporates two forward mounted, rearward facing, exhaust nozzles which are threaded into the motor headcap. The Mod 3 Rocket Motor is approximately the same overall size and weight as the Mod 4 Rocket Motor and has virtually identical performance characteristics. However, the Mod 3 configuration is a pusher type having a single rear-mounted exhaust nozzle. The Mod 3 configuration is no longer operational and is used only for some training and test applications.</p> <p>Combat Expenditures: 57</p>								
	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	
CONSUMPTION	13.631	1.999	2.000	4.000	4.000	4.000	4.000	
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
COST (M\$)	13.631	1.999	2.000	4.000	4.000	4.000	4.000	

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APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CHARGE, DEMO LINEAR HE					
	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	
QUANTITY	238	558	103	0	347	614	496	
COST (M\$)	7.754	16.553	3.500	0.007	11.675	20.733	17.119	

The Charge, Demolition High Explosive Linear M58A4 (DODIC M913) is a trailer-mounted and rocket-towed linear demolition charge designed to provide a clear path for combat vehicles during minefield and barrier breaching operations. The M58 is capable of clearing a path up to 46-feet wide and 350-feet long through a minefield. The total unpacked length of the linear demolition charge is 555 feet. The demolition section provides the explosive force and is 350-feet long. The arresting cable is a nylon rope that provides a standoff distance between the vehicle and the explosion. The arresting cable is 205-feet long. The demolition section consists primarily of a 3/4-inch nylon core rope, 700 composition C4 demolition blocks, and two strands of pentaerythritol tetranitrate (PETN) detonating cord. The total explosive weight of the demolition blocks is 1,750 pounds. The blocks are attached to the core rope similar in appearance to a linked sausage. The blocks are sheathed with an outer layer of nylon. The two strands of detonating cord pass through the entire length of the demolition section. The demolition section and the arresting cable are coiled inside the container. Most of the arresting cable is beneath the demolition section. The fuze, which is packaged, is normally on top of the coiled demolition section.

Combat Expenditures: 35

	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	
CONSUMPTION	7.754	16.553	3.500	0.007	11.675	20.733	17.119	
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
COST (M\$)	7.754	16.553	3.500	0.007	11.675	20.733	17.119	

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APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CHARGE, DEMO LINEAR HE					
	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	
QUANTITY	332	548	151	139	419	364	308	
COST (M\$)	10.699	16.729	4.786	4.580	13.812	12.156	10.511	

The Linear Demolition Charge M59A1 (DODIC ML25) is a rocket-towed, linear demolition charge designed to provide a clear path for combat vehicles during minefield and barrier breaching operations. The M59 is capable of clearing a path up to 46-feet wide and 350-feet long through a minefield. The total unpacked length of the linear demolition charge is 555 feet. The demolition section provides the explosive force and is 350-feet long. The arresting cable is a nylon rope that provides a standoff distance between the vehicle and the explosion. The arresting cable is 205-feet long. The demolition section consists primarily of a 3/4-inch nylon core rope, 700 composition C4 demolition blocks, and two strands of pentaerythritol tetranitrate (PETN) detonating cord. The total explosive weight of the demolition blocks is 1,750 pounds. The blocks are attached to the core rope similar in appearance to a linked sausage. The blocks are sheathed with an outer layer of nylon. The two strands of detonating cord pass through the entire length of the demolition section. The demolition section and the arresting cable are coiled inside the container. Most of the arresting cable is beneath the demolition section. The fuze, which is packaged, is normally on top of the coiled demolition section.

Combat Expenditures: 31

	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	
CONSUMPTION	10.699	16.729	4.786	4.580	13.812	12.156	10.511	
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
COST (M\$)	10.699	16.729	4.786	4.580	13.812	12.156	10.511	