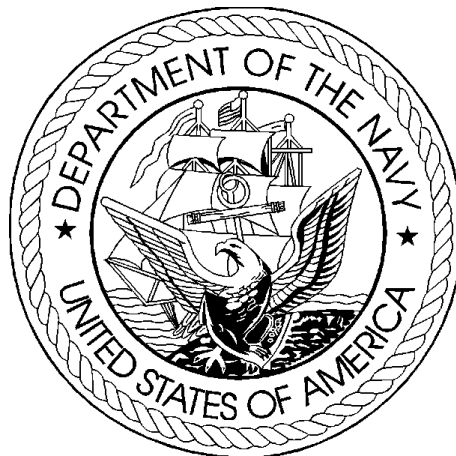


DEPARTMENT OF THE NAVY
FISCAL YEAR (FY) 2002
AMENDED BUDGET SUBMISSION



JUSTIFICATION OF ESTIMATES
JUNE 2001

PROCUREMENT OF AMMUNITION,
NAVY AND MARINE CORPS
BUDGET ACTIVITY 2

UNCLASSIFIED

DEPARTMENT OF THE NAVY

FY 2002 PROCUREMENT PROGRAM

SUMMARY
(\$ IN MILLIONS)

JUNE 2001

APPROPRIATION: PROCUREMENT OF AMMO, NAVY & MARINE CORPS

ACTIVITY -----	FY 2000 -----	FY 2001 -----	FY 2002 -----
01. PROC AMMO, NAVY	349.7	329.3	313.5
02. PROC AMMO, MC	192.0	164.5	143.5
TOTAL PROCUREMENT OF AMMO, NAVY & MARINE C	541.7	493.8	457.0

UNCLASSIFIED

DEPARTMENT OF THE NAVY
FY 2002 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 1508N PROCUREMENT OF AMMO, NAVY & MARINE CORPS

DATE: JUNE 2001

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2000		FY 2001		FY 2002		S E C
			QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
BUDGET ACTIVITY 01: PROC AMMO, NAVY									

NAVY AMMUNITION									
1	GENERAL PURPOSE BOMBS	A		86.7		67.5		65.1	U
2	CANCELLED ACCOUNT ADJUSTMENTS	A		*					U
3	JDAM	B	1864	36.1	2072	24.2	1417	41.1	U
4	2.75 INCH ROCKETS	A		22.1					U
5	AIRBORNE ROCKETS, ALL TYPES	A				17.0		21.1	U
6	MACHINE GUN AMMUNITION	A		9.1		8.2		16.4	U
7	PRACTICE BOMBS	A		44.9		62.5		35.0	U
8	CARTRIDGES & CART ACTUATED DEVICES	A		30.6		22.3		26.7	U
9	AIRCRAFT ESCAPE ROCKETS	A		10.4		10.5		10.8	U
10	AIR EXPENDABLE COUNTERMEASURES	A		47.2		45.4		36.4	U
11	JATOS	A		3.8		4.9		4.8	U
12	5 INCH/54 GUN AMMUNITION	A		15.7		14.8		12.0	U
13	EXTENDED RANGE GUIDED MUNITIONS (ERGM)	B		3.0		5.7		5.2	U
14	76MM GUN AMMUNITION	A		7.0		8.7		1.0	U
15	OTHER SHIP GUN AMMUNITION	A		5.8		5.1		7.3	U
16	SMALL ARMS & LANDING PARTY AMMO	A		8.0		8.7		8.9	U
17	PYROTECHNIC AND DEMOLITION	A		8.1		6.3		8.4	U
18	MINE NEUTRALIZATION DEVICES	A		9.1		7.3		5.0	U
19	AMMUNITION LESS THAN \$5 MILLION	A		2.2		1.3		1.3	U

DEPARTMENT OF THE NAVY
FY 2002 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 1508N PROCUREMENT OF AMMO, NAVY & MARINE CORPS

DATE: JUNE 2001

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2000		FY 2001		FY 2002		S E C
			QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
20	CAWCF CLOSURE COSTS	A				9.0		7.0	U
TOTAL PROC AMMO, NAVY				349.7		329.3		313.5	
BUDGET ACTIVITY 02: PROC AMMO, MC									
MARINE CORPS AMMUNITION									
21	5.56 MM, ALL TYPES	A		31.8		25.2		9.4	U
22	7.62 MM, ALL TYPES	A		6.2		3.0		7.4	U
23	LINEAR CHARGES, ALL TYPES	A		29.4		34.7		19.0	U
24	.50 CALIBER	A		11.6		8.6		6.2	U
25	40 MM, ALL TYPES	A		5.9		3.0		5.9	U
26	60MM, ALL TYPES	A		16.3		.7		2.7	U
27	81MM, ALL TYPES	A		.1		4.9		6.7	U
28	120MM, ALL TYPES	A		3.0		7.6		7.6	U
29	CTG 25MM, ALL TYPES	A		12.1		3.9		6.0	U
30	9 MM ALL TYPES	A		3.2		2.6		2.8	U
31	GRENADERS, ALL TYPES	A		13.2		10.8		10.5	U
32	STINGER SLEP	A		2.0		3.9		7.3	U
33	ROCKETS, ALL TYPES	A		14.2		11.1		4.8	U
34	ARTILLERY, ALL TYPES	A		.2		15.2		24.5	U
35	DEMOLITION MUNITIONS, ALL TYPES	A		26.9		9.6		2.9	U
36	FUZE, ALL TYPES	A		2.4		.2			U
37	NON LETHALS	B		2.0		4.4		4.5	U
38	AMMO MODERNIZATION	A		10.6		6.8		7.0	U

DEPARTMENT OF THE NAVY
 FY 2002 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 1508N PROCUREMENT OF AMMO, NAVY & MARINE CORPS

DATE: JUNE 2001

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2000		FY 2001		FY 2002		S E C
			QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
39	ITEMS LESS THAN \$5 MILLION	A		.9		.9		1.0	U
40	CAWCF CLOSURE COSTS	A				7.3		7.2	U
TOTAL PROC AMMO, MC				192.0		164.5		143.5	
TOTAL PROCUREMENT OF AMMO, NAVY & MARINE CORPS				541.7		493.8		457.0	

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/
PROCUREMENT, PAN&MC

P-1 NOMENCLATURE:
CTG, 5.56MM ALL TYPES

(ALTCODE: 101000)

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	99809026	110329997	34547429					
COST (M\$)	31.073	25.222	9.402					

MARINE CORPS RESERVES (M) \$ S

FY00 FY01 FY02
1.087 1.231 .442

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: CTG, 5.56MM BALL						
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	29,613,636	0					
COST (M\$)	.050	6.515	.034					

The Cartridge, 5.56mm Ball M855 10/Clip (DODIC A059) is the primary ball ammunition for the M16A2 Rifle and can be used in the M249 Squad Automatic Weapon (SAW) Machine Gun with a magazine. The M855 Cartridge consists of a brass case, a primer, propellant, and a bullet. The cartridge has a green tip and is 5.56mm NATO ammunition.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.050	6.515	0.034					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.050	6.515	0.034					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 5.56MM 4 & 1 LINKED					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	19,807,318	17,044,118	8,670,455					
COST (M\$)	8.121	5.795	3.815					

The Cartridge, 5.56mm 4 Ball M855/1 Tracer M856 Linked (DODIC A064) is the standard ammunition used for combat and training for use in the M249 Squad Automatic Weapon (SAW) Machine Gun. The rounds are linked with M27 Links.

The M855 and M856 round consists of a brass cartridge case, a primer and propellant. The M855 Ball round has a green bullet tip for identification. The M856 Tracer round has an orange bullet tip for identification. The M856 Tracer round is intended to permit visible observation of the bullet's in-flight path or trajectory to the point of impact, target designation, or range estimation.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	8.121	5.795	3.815					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	8.121	5.795	3.815					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 5.56MM BLANK LINKED					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	15,940,000	9,676,000	6,339,474					
COST (M\$)	4.782	2.419	2.409					

The Cartridge, 5.56mm Blank M200 Linked (DODIC A075) is the primary blank ammunition for the M249 Squad Automatic Weapon (SAW) Machine Gun. It is designed for simulated firing in training exercises. The M200 Cartridge is linked with the M27 Metallic Link. The DODIC A075 is 5.56mm NATO ammunition. The cartridge is identified by a rosette crimp closure of the cartridge mouth.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	4.782	2.419	2.409					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	4.782	2.419	2.409					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 5.56MM BLANK					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	4,578,948	17,145,454	13,500,000					
COST (M\$)	.870	1.886	1.485					

The Cartridge, 5.56mm Blank M200 Single Round (DODIC A080) is the primary blank ammunition for the M16A2 Rifle and can be used in the M249 Squad Automatic Weapon (SAW) Machine Gun with a magazine. It is designed for simulated firing in training exercises. The M200 Cartridge is 5.56mm NATO ammunition. The cartridge can be identified by a rosette crimp closure of the cartridge mouth. An engraved knurl is located 1/2-inch from the head of the cartridge case.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.870	1.886	1.485					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.870	1.886	1.485					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 5.56MM BALL COMM PACK					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	59,482,760	34,768,180	5,162,500					
COST (M\$)	17.250	7.649	1.239					

The M855 ball cartridge is a 5.56mm ball round. The M855 cartridge provides greater penetration and range over the M193 cartridge when fired from the M16A2 rifle. The increased penetration and range are achieved through use of a steel conical insert in the ogive of the bullet. This item shares production with the M856 tracer. This ammunition is packaged in "commercial" packaging instead of military packaging. This ammunition will be used for training only and is not authorized for war reserve stocks or deployment.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	17.250	7.649	1.239					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	17.250	7.649	1.239					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: 5.56MM FRANGIBLE					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	2,082,609	875,000					
COST (M\$)	.000	.958	.420					

The Cartridge, 5.56mm Jacketed Frangible (DODIC AA40) is intended for use against personnel without collateral damage. It is intended to penetrate soft targets with the projectile breaking up on impact with hard targets.

The DODIC AA40 consists of a brass cartridge case, a primer and propellant composition. The Jacketed Frangible cartridge contains a non-toxic, copper, tungsten powder and nylon binder designed to eliminate airborne lead and concerns for disposal. The copper alloy jacket eliminates barrel fouling and gas cutting into barrel and the double base propellant is clean burning.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.000	0.958	0.420					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.958	0.420					

BUDGET ITEM JUSTIFICATION SHEET

DATE: Jine 2001

APPROPRIATION/
PROCUREMENT, PAN&MC

P-1 NOMENCLATURE:
CTG, 7.62MM ALL TYPES

(ALTCODE: 102000)

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	13624444	8077157	14868495					
COST (M\$)	6.140	3.011	7.395					

MARINE CORPS RESERVES (M) \$ S

FY00 FY01 FY02
0 .296 .639

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 7.62MM BLANK LINKED					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	7,058,824	0					
COST (M\$)	.000	2.400	.046					

The Cartridge, 7.62mm Blank M82 Linked (DODIC A111) is used with blank firing attachments to simulate firing in training exercises with the M240 Machine Guns. The M82 Blank Round consists of a long brass cartridge case loaded with a primer and propellant composition. The case is shaped approximately to the configuration of the combat cartridge with no bullet. The propellant is held in the case by a wad, and on newer lots the mouth is sealed with purple lacquer and crimped for protection against air and moisture. These lots can be identified by the lot interfix number 123. Older lots show a double tapered neck cartridge. These lots can be identified by lot interfix number 122. The stock number, DODIC, and model number remain the same for both designs.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.000	2.400	0.046					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	2.400	0.046					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 7.62MM 4 & 1 LINKED					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	13,624,444	1,018,333	13,355,102					
COST (M\$)	6.131	.611	6.544					

The Cartridge, 7.62mm 4 Ball M80/1 Tracer M62 Linked (DODIC A131) is mainly used in the M240 Machine Guns against personnel and unarmored targets. The M80 and M62 Cartridges consist of a lead-styphnate primer and is loaded with propellant composition. The bullets are composed of a metal-clad steel jacket with a lead-antimony slug. The M80 Ball round consists of a brass cartridge case and an unpainted bullet. The M62 Tracer round consists of a brass cartridge case and a bullet with an orange tip for identification. The M62 Tracer round is intended to permit visible observation of the bullet's in-flight path or trajectory to the point of impact, target designation, or range estimation.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	6.131	0.611	6.544					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	6.131	0.611	6.544					

AMMUNITION COST ANALYSIS (DOLLARS IN : THOUSANDS)

DATE: June 2001
 NSN: 1305-00-892-2150
 (A131)

APPROPRIATION BUDGET ACTIVITY:
 PROCUREMENT AMMUNITION, OPERATIONS SUPPORT COMMAND

P-1 ITEM NOMENCLATURE:
 CTG, 7.62MM 4 & 1 LINKED

ELEMENT OF COST QM: EA	FY 2000 (QTY 13624444)			FY 2001 (QTY 1018333)			FY 2002 (QTY 13355102)			FY 2003 (QTY 0)		
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL
HARDWARE												
1. COMPLETE ROUND	13,624,444	0.43	5858	1,018,333	0.47	478	13,355,102	0.47	6276	0	0.00	0
SUBTOTAL			5858			478			6276			0
PRODUCT												
1. PRODUCTION ENGINEERING			133			113			146			0
2. QUALITY ASSURANCE			3			13			4			0
3. INDUSTRIAL STOCK SUPPORT			137			7			118			0
SUBTOTAL			273			133			268			0

TOTAL P-1 LINE ITEM		0.45	6131		0.60	611		0.49	6544		0.00	0

PROCUREMENT HISTORY & PLANNING

DATE: June 2001

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1305-00-892-2150

PROCUREMENT AMMUNITION, PAN&MC

CTG, 7.62MM 4 & 1 LINKED

(A131)

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPECS REV REQD	IF YES WHEN AVAIL
1. COMPLETE ROUND										
FY 2000	ALLIANT (LCAAP) INDEPENDENCE, MO	SS/FP	OSC	MAR 00	OCT 00	13624444	0.43	YES	NO	00
FY 2001	ALLIANT (LCAAP) INDEPENDENCE, MO	SS/FP	OSC	FEB 01	OCT 01	1018333	0.47	YES	NO	00
FY 2002	ALLIANT (LCAAP) INDEPENDENCE, MO	SS/FP	OSC	NOV 01	OCT 02	13355102	0.47	YES	NO	00

Remarks:

TMR : 36,637,716
 ACQUISITION OBJECTIVE : 23,238,563
 LEADTIME : 13

DODIC: A131
 DESCRIPTION: CTG, 7.62MM ALL TYPES

	30 SEPT 1999	FY 2000 FDP	FY 2001 FDP	FY 2002 FDP	FY 2003 FDP	FY 2004 FDP	FY 2005 FDP	FY 2006 FDP	FY 2007 FDP
BUY SUMMARY:									
UNIT PRICE:		0.45	0.60	0.49					
TOTAL PRICE:		\$6,131,000	\$611,000	\$6,544,000					
FY BUDGET QTY:		13,624,444	1,018,333	13,355,102					
GAINS:									
FDP DELIVERIES:		0	12,489,074	2,068,842					
OTHER (99 & PRIOR):		0	0	0	0	0	0	0	0
TOTAL:		0	12,489,074	2,068,842					
LOSSES:									
COMBAT:		0	0	0	0	0	0	0	0
COMBAT ALLIES:		0	0	0	0	0	0	0	0
PEACETIME:		12,159,153	12,159,153	12,159,153					
TESTING:		251,000	219,900	288,000					
SALES:		0	0	0	0	0	0	0	0
OTHER:		0	0	0	0	0	0	0	0
TOTAL:		12,410,153	12,379,053	12,447,153					
NET CHANGE (+/-)		-12,410,153	110,021	-10,378,311					
ASSET POSITION:									
STD SERVICEABLE:	42,690,582	30,280,429	30,390,450	20,012,139					
UNSERVICEABLE:	0	0	0	0	0	0	0	0	0
MAINTENANCE:	0	0	0	0	0	0	0	0	0
SUBSTITUTE:	0	0	0	0	0	0	0	0	0
TOTAL:	42,690,582	30,280,429	30,390,450	20,012,139					
\$ VALUE:	0	\$13,626,193	\$18,234,270	\$9,805,948					
RECOMMENDED BUY QTY	-19,452,019	-7,041,866	-7,151,887	3,226,424					
\$ VALUE:	\$0	(\$3,168,840)	(\$4,291,132)	\$1,580,948					
DEFICIENCY A.O.	-19,452,019	-7,041,866	-7,151,887	3,226,424					
\$ VALUE:	\$0	(\$3,168,840)	(\$4,291,132)	\$1,580,948					
PERCENT OF OBJECTIVE:	184%	130%	131%	86%	85%	86%	92%	97%	101%

 Remarks:
 EXPENDITURE DATA: FY97 FY98 FY99 SUBSTITUTES: A151
 : 14147837 15009027 11727535
 :
 :
 SUMMARY ITEM READINESS QTY
 WRMR (WAR RESERVE REQ) 12811673
 PIPELINE (313 DAYS OF THE TRAINING REQ) 10426890

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: CTG, 7.62MM TRACER LINKED						
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	0	65,476	0	0	0	0	0
COST (M\$)	.000	.000	.110	.000	.000	.000	.000	.000

The Cartridge, 7.62mm Tracer M62 Linked (DODIC A146) is used mainly in the M240 Machine Gun against personnel and unarmored targets. The M62 Tracer cartridge is intended to permit visible observation of the bullet's in-flight path or trajectory to the point of impact, target designation, or range estimation. The M62 Tracer consists of a brass cartridge case and a bullet with an orange tip for identification. The cartridge case contains a lead-styphnate primer and is loaded with propellant composition. The boat-tailed bullet has a metal-clad jacket, a lead-antimony point with tracer composition, sub-igniter and igniter compositions, and a closure cup.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.000	0.000	0.110	0.005	0.000	0.000	0.000	0.000
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.000	0.110	0.005	0.000	0.000	0.000	0.000

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 7.62MM BALL LONG RANGE					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	0	1,447,917					
COST (M\$)	.000	.000	.695					

The Cartridge, 7.62mm Long Range M118 LR (DODIC AA11) is intended for long-range sniper and match firing and is used in the M86 Sniper and the M14 Rifle. This cartridge is used in training as well as missions demanding accurate single fire that typically involves sniper and marksmanship applications.

The M118 Round consists of a brass cartridge case, a primer, WC-750 propellant, and projectile. The projectile consists of a copper alloy jacket surrounding a lead slug. The cartridge has an unpainted bullet.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.000	0.000	0.695					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.000	0.695					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/
PROCUREMENT, PAN&MC

P-1 NOMENCLATURE:
LINEAR CHARGES ALL TYPES

(ALTCODE: 103000)

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	1750	2194	1556					
COST (M\$)	28.819	34.733	18.957					

MARINE CORPS RESERVES (M) \$ S

FY00 FY01 FY02
2.623 3.560 2.312

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: CHARGE, DEMO LINEAR HE LVT						
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	221	6	103					
COST (M\$)	8.337	.336	3.673					

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.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	8.337	0.336	3.673					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	8.337	0.336	3.673					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CHARGE, DEMO LINEAR HE					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	220	631	141					
COST (M\$)	8.088	19.372	4.933					

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.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	8.088	19.372	4.933					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	8.088	19.372	4.933					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: ROCKET MOTOR, 5 INCH					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	1,061	206	457					
COST (M\$)	8.266	1.664	3.708					

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

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	8.266	1.664	3.708					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	8.266	1.664	3.708					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: APOBS						
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	248	1,351	855					
COST (M\$)	4.128	13.361	6.643					

The MK7 MOD1 mine clearing system, Anti-Personnel Obstacle Breaching System (APOBS) consists of a line charge assembly and a fuze/rocket motor assembly. This item is a lightweight, self-contained, one-shot expendable system that is transported and deployed by a two-man team. APOBS uses the MK126 MOD1 rocket motor to propel a line charge over the obstacle. It is employed in combat operations to breach a lane through wire and anti-personnel mine obstacles. The APOBS will enhance the bangalore torpedo.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	4.128	13.361	6.643					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	4.128	13.361	6.643					

AMMUNITION COST ANALYSIS (DOLLARS IN : THOUSANDS)

DATE: June 2001
 NSN: 1375-00-000-0009
 (E W A F)

APPROPRIATION BUDGET ACTIVITY:
 PROCUREMENT AMMUNITION, RDA

P-1 ITEM NOMENCLATURE:
 APOBS

ELEMENT OF COST QM: EA	FY 2000 (QTY 248)			FY 2001 (QTY 1351)			FY 2002 (QTY 855)			FY 2003 (QTY 0)		
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL
<u>HARDWARE</u>												
1. LOAD, ASSEMBLE, PACK (LAP)	248	10,028.23	2487	1,351	8,737.97	11805	855	7,485.38	6400	0	0.00	0
2. APOBS TRAINING AID	81	9,419.75	763	100	8,300.00	830	0	0.00	0	0	0.00	0
SUBTOTAL			3250			12635			6400			0
<u>PRODUCT</u>												
1. PRODUCTION ENGINEERING			518			386			74			0
2. QUALITY ASSURANCE			148			131			40			0
3. ACCEPTANCE TESTING			212			80			49			0
4. TRANSPORTATION (1ST DEST)			0			129			80			0
SUBTOTAL			878			726			243			0

TOTAL P-1 LINE ITEM		16,645.16	4128		9,889.22	13361		7,769.59	6643		0.00	0

PROCUREMENT HISTORY & PLANNING

DATE: June 2001

APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE						NSN: 1375-00-000-0009		
PROCUREMENT AMMUNITION, PAN&MC		APOBS						(EWAF)		
LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPECS REV REQD	IF YES WHEN AVAIL
1. LOAD, ASSEMBLE, PACK (LAP)										
FY 2000	ENSIGN-BICKFORD SIMSBURY, CT	C/FP	MCSC	OCT 00	MAY 02	248	10,028.23	YES	NO	00
FY 2001	ENSIGN-BICKFORD SIMSBURY, CT	C/FP	MCSC	DEC 00	JUL 02	1351	8,737.97	YES	NO	00
FY 2002	ENSIGN-BICKFORD SIMSBURY, CT	C/FP	MCSC	DEC 01	JUL 03	855	7,485.38	YES	NO	00
2. APOBS TRAINING AID										
FY 2000	ENSIGN-BICKFORD SIMSBURY, CT	C/FP	MCSC	SEP 01	APR 02	81	9,419.75	YES	NO	00
FY 2001	ENSIGN-BICKFORD SIMSBURY, CT	C/FP	MCSC	DEC 01	JUL 02	100	8,300.00	YES	NO	00

Remarks:

ASSET DYNAMICS

DATE: June 2001

TMR : 4,193
 ACQUISITION OBJECTIVE : 3,856
 LEADTIME : 22

DODIC: EWAF
 DESCRIPTION: LINEAR CHARGES ALL TYPES

	30 SEPT 1999	FY 2000 FDP	FY 2001 FDP	FY 2002 FDP	FY 2003 FDP	FY 2004 FDP	FY 2005 FDP	FY 2006 FDP	FY 2007 FDP
BUY SUMMARY:									
UNIT PRICE:		16,645.16	9,889.22	7,769.59	7,759.81	8,200.84	9,081.66	0.00	0.00
TOTAL PRICE:		\$4,128,000	\$13,361,000	\$6,643,000	\$8,303,000	\$5,839,000	\$6,784,000	\$50,000	\$50,000
FY BUDGET QTY:		248	1,351	855	1,070	712	747	0	0
GAINS:									
FDP DELIVERIES:		0	41	432					
OTHER (99 & PRIOR):		0	0	0	0	0	0	0	0
TOTAL:		0	41	432					
LOSSES:									
COMBAT:		0	0	0	0	0	0	0	0
COMBAT ALLIES:		0	0	0	0	0	0	0	0
PEACETIME:		192	192	192					
TESTING:		0	100	125	0	0	20	0	0
SALES:		0	0	0	0	0	0	0	0
OTHER:		0	0	0	0	0	0	0	0
TOTAL:		192	292	317					
NET CHANGE (+/-)		-192	-251	115					
ASSET POSITION:									
STD SERVICEABLE:	0	0	0	115					
UNSERVICEABLE:	0	0	0	0	0	0	0	0	0
MAINTENANCE:	0	0	0	0	0	0	0	0	0
SUBSTITUTE:	0	0	0	0	0	0	0	0	0
TOTAL:	0	0	0	115					
\$ VALUE:	0	\$0	\$0	\$893,503					
RECOMMENDED BUY QTY	3,856	3,856	3,856	3,741					
\$ VALUE:	\$0	\$64,183,737	\$38,132,832	\$29,066,036					
DEFICIENCY A.O.	3,856	3,856	3,856	3,741					
\$ VALUE:	\$0	\$64,183,737	\$38,132,832	\$29,066,036					
PERCENT OF OBJECTIVE:	0%	0%	0%	3%	31%	49%	70%	83%	95%

Remarks:
 EXPENDITURE DATA: FY97 FY98 FY99
 . 0 0 0
 .
 SUMMARY ITEM READINESS QTY
 WRMR (WAR RESERVE REQ) 3691
 PIPELINE (313 DAYS OF THE TRAINING REQ) 165

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/
PROCUREMENT, PAN&MC

P-1 NOMENCLATURE:
CTG, .50 CAL ALL TYPES

(ALTCODE: 104000)

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	4804053	3564680	2483808					
COST (M\$)	11.048	8.557	6.225					

MARINE CORPS RESERVES (M) \$ S

FY00 FY01 FY02
2.319 1.119 .940

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, CAL .50 4 & 1 LINKED					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	4,723,697	3,536,865	2,435,833					
COST (M\$)	9.967	8.347	5.846					

The Cartridge, Caliber .50 4 API M8/1 API-T M20 Linked (DODIC A576) is used in M2 .50 caliber Machine Guns against armored targets. Upon impact with the target, the incendiary mixture bursts into flames and ignites the flammable material. The cartridges are linked with the M2 Links. The cartridges are 5.45 inches long with a brass case and are linked four M8 Armor Piercing Incendiary rounds to one M20 Armor Piercing Incendiary Tracer rounds. The projectile for the M8 Cartridge is a metal-jacketed bullet with a hardened core of manganese-molybdenum steel, a point filler incendiary composition and a base filler seal of lead antimony. The projectile for the M20 Cartridge is similar to the M8 Bullet but with a tracer element. An aluminum-colored tip on the projectile identifies the M8 Cartridge and a red tip with aluminum-colored stripe to the rear of the red tip identifies the M20 Cartridge.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	9.967	8.347	5.846					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	9.967	8.347	5.846					

AMMUNITION COST ANALYSIS (DOLLARS IN : THOUSANDS)

DATE: June 2001
 NSN: 1305-00-028-6603
 (A576)

APPROPRIATION BUDGET ACTIVITY:
 PROCUREMENT AMMUNITION, OPERATIONS SUPPORT COMMAND

P-1 ITEM NOMENCLATURE:
 CTG, CAL .50 4 & 1 LINKED

ELEMENT OF COST QM: EA	FY 2000 (QTY 4723697)			FY 2001 (QTY 3536865)			FY 2002 (QTY 2435833)			FY 2003 (QTY 0)		
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL
<u>HARDWARE</u>												
1. LOAD, ASSEMBLE, PACK (LAP)	4,723,697	1.98	9352	3,536,865	2.15	7604	2,435,833	2.24	5456	0	0.00	0
2. BOX METAL M2A1(EA)	48,297	6.15	297	36,144	6.47	234	24,871	6.59	164	0	0.00	0
SUBTOTAL			9649			7838			5620			0
<u>PRODUCT</u>												
1. PRODUCTION ENGINEERING			157			370			174			0
2. QUALITY ASSURANCE			6			24			5			0
3. INTERIM TRANSPORTATION			5			1			0			0
4. INDUSTRIAL STOCK SUPPORT			150			114			47			0
SUBTOTAL			318			509			226			0

TOTAL P-1 LINE ITEM		2.11	9967		2.36	8347		2.40	5846		0.00	0

PROCUREMENT HISTORY & PLANNING

DATE:

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1305-00-028-6603

PROCUREMENT AMMUNITION, PAN&MC

CTG, CAL .50 4 & 1 LINKED

(A576)

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPECS REV REQD	IF YES WHEN AVAIL
1. LOAD, ASSEMBLE, PACK (LAP)										
FY 2000	ALLIANT (LCAAP) INDEPENDENCE, MO	SS/FP	OSC	MAR 00	DEC 00	4723697	1.98	YES	NO	00
FY 2001	ALLIANT (LCAAP) INDEPENDENCE, MO	SS/FP	OSC	FEB 01	OCT 01	3536865	2.15	YES	NO	00
FY 2002	ALLIANT (LCAAP) INDEPENDENCE, MO	SS/FP	OSC	NOV 01	OCT 02	2435833	2.24	YES	NO	00
2. BOX METAL M2A1(EA)										
FY 2000	BROCKWAY STANDARD HOMERVILLA, GA	C/FP	OSC	MAR 00	JUL 00	48297	6.15	YES	NO	00
FY 2001		C/FP	OSC	MAY 01	JUL 01	36144	6.47	YES	NO	00
FY 2002		C/FP	OSC	JAN 02	JUL 02	24871	6.59	YES	NO	00

Remarks:

ASSET DYNAMICS

DATE: 04/16/01

TMR : 19,537,362
 ACQUISITION OBJECTIVE : 15,728,252
 LEADTIME : 13

DODIC: A576
 DESCRIPTION: CTG, .50 CAL ALL TYPES

	30 SEPT 1999	FY 2000 FDP	FY 2001 FDP	FY 2002 FDP	FY 2003 FDP	FY 2004 FDP	FY 2005 FDP	FY 2006 FDP	FY 2007 FDP
BUY SUMMARY:									
UNIT PRICE:		2.11	2.36	2.40	2.34	2.25	2.30	2.36	2.41
TOTAL PRICE:		\$9,967,000	\$8,347,000	\$5,846,000	\$8,752,000	\$8,839,000	\$9,031,000	\$9,190,000	\$9,356,000
FY BUDGET QTY:		4,723,697	3,536,865	2,435,833	3,740,171	3,928,445	3,926,522	3,894,068	3,882,158
GAINS:									
FDP DELIVERIES:		0	4,330,056	3,635,768					
OTHER (99 & PRIOR):		1,804,800	0	0	0	0	0	0	0
TOTAL:		1,804,800	4,330,056	3,635,768					
LOSSES:									
COMBAT:		0	0	0	0	0	0	0	0
COMBAT ALLIES:		0	0	0	0	0	0	0	0
PEACETIME:		3,783,540	3,783,540	3,803,610					
TESTING:		5,000	3,000	5,000	0	0	0	0	
SALES:		0	0	0	0	0	0	0	0
OTHER:		0	0	0	0	0	0	0	0
TOTAL:		3,788,540	3,786,540	3,808,610					
NET CHANGE (+/-)		-1,983,740	543,516	-172,842					
ASSET POSITION:									
STD SERVICEABLE:	18,030,283	16,046,543	16,590,059	16,417,217					
UNSERVICEABLE:	0	0	0	0	0	0	0	0	0
MAINTENANCE:	0	0	0	0	0	0	0	0	0
SUBSTITUTE:	0	0	0	0	0	0	0	0	0
TOTAL:	18,030,283	16,046,543	16,590,059	16,417,217					
\$ VALUE:	0	\$33,858,206	\$39,152,539	\$39,401,321					
RECOMMENDED BUY QTY	-2,302,031	-318,291	-861,807	-688,965					
\$ VALUE:	\$0	(\$671,594)	(\$2,033,865)	(\$1,653,516)					
DEFICIENCY A.O.	-2,302,031	-318,291	-861,807	-688,965					
\$ VALUE:	\$0	(\$671,594)	(\$2,033,865)	(\$1,653,516)					
PERCENT OF OBJECTIVE:	115%	102%	105%	104%	96%	95%	96%	97%	97%

Remarks:
 EXPENDITURE DATA: FY97 FY98 FY99 SUBSTITUTES: A543
 . 4301089 2908796 3560001
 .
 SUMMARY ITEM READINESS QTY
 WRMR (WAR RESERVE REQ) 12466526
 PIPELINE (313 DAYS OF THE TRAINING REQ) 3261726

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, CAL .50 API SNIPER RIFLE					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	80,356	27,815	47,975					
COST (M\$)	1.039	.210	.379					

The Cartridge, Caliber .50 API MK211 Mod 0 Single Round (DODIC A606) is used in the M82A3 Special Application Scoped Rifle (SASR) sniper rifle against armored targets. This cartridge is an improved version of the M8-API that provides penetration, fragmentation, and fire starting capabilities upon functioning. The projectile consists of a copper-alloy jacket housing, a steel inner body and a tungsten carbide core. A green projectile tip identifies the cartridge with an aluminum colored ring to the rear of the tip.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	1.039	0.210	0.379					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	1.039	0.210	0.379					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT, PAN&MC	P-1 NOMENCLATURE: CTG, 40MM ALL TYPES (ALTCODE: 105000)
---------------------------------------	--

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	611751	150134	784559					
COST (M\$)	5.789	3.007	5.857					

MARINE CORPS RESERVES (M) \$ S

FY00 FY01 FY02
 .340 .148 .790

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 40MM PRACTICE					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	460,000	35,621	440,779					
COST (M\$)	1.725	.218	1.697					

The Cartridge, 40mm Target Practice (TP) M781 (DODIC B519) is a fixed round of ammunition consisting of a plastic ogive, metal body, and plastic cartridge case. The ogive houses a high visibility yellow-orange dye. The cartridge case is press-fitted with a .38 caliber blank cartridge containing the propellant.

This cartridge is fired from the M203 Grenade Launcher and is used for training. The cartridge contains no high explosive. Upon impact, the projectile ruptures and releases a puff of yellow-orange dye simulating explosive impact.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	1.725	0.218	1.697					
WAR RESERVES	0.000	0.000	0.000					
COST (M\$)	1.725	0.218	1.697					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 40MM TACTICAL CS					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	21,737	26,552	1,746					
COST (M\$)	1.239	1.540	.103					

The Cartridge, 40mm CS M651 (DODIC B567) is a fixed round of ammunition consisting of a projectile body and cartridge case. The body contains a CS pyrotechnic (o-chlorobenzamalononitrile) mixture and a fuze. The aluminum cartridge case is bi-chambered. The high-pressure chamber houses the propellant and is sealed by a metal closing plug crimped to the base of the cartridge case. Six equally spaced notches are located around the cartridge base and are used as identifiers for this type of round. A percussion primer is pressed into the center opening of the closing plug.

This cartridge is fired from the M203 Grenade Launcher and is used to incapacitate unmasked personnel. The projectile, upon impact, releases a chemical agent designated as CS. When exposed to CS, personnel experience a burning sensation to the eyes, irritation to the throat, and constriction to the chest.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	1.239	1.540	0.103					
WAR RESERVES	0.000	0.000	0.000					
COST (M\$)	1.239	1.540	0.103					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: CTG, 40MM PRACTICE LINKED MK19						
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	87,904	87,961	342,034					
COST (M\$)	1.696	1.169	4.036					

The Cartridge, 40mm Practice M385A1 (DODIC B576) is a fixed round consisting of a projectile body, and cartridge case. The projectile is a solid, inert, one-piece aluminum slug. The aluminum cartridge case is bi-chambered. The high-pressure chamber houses the propellant and is sealed by a metal closing plug crimped to the base of the cartridge case. A percussion primer is pressed into the center opening of the closing plug. The cartridge is linked with the M16A2 Link to form a 48 round belt.

This cartridge is fired from the MK19 Mod 3 Grenade Machine Gun and is designed for practice or weapon proof testing.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	1.696	1.169	4.036					
WAR RESERVES	0.000	0.000	0.000					
COST (M\$)	1.696	1.169	4.036					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: 40MM PRACTICE						
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	0	0					
COST (M\$)	.000	.000	.021					

The Cartridge, 40mm Target Practice, Linked XM1023 M385A1 (DODIC BA12) is a fixed round consisting of a projectile body, and cartridge case.

This cartridge is fired from the MK19 Mod 3 Grenade Machine Gun and is designed for practice or weapon proof testing. The round is procured as a replacement for the M385 (DODIC B576) and the M918 (DODIC B584).

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.000	0.000	0.021					
WAR RESERVES	0.000	0.000	0.000					
COST (M\$)	0.000	0.000	0.021					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/
PROCUREMENT, PAN&MC

P-1 NOMENCLATURE:
CTG, 60MM ALL TYPES

(ALTCODE: 108300)

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	197964	0	9434					
COST (M\$)	15.944	0.682	2.699					

MARINE CORPS RESERVES (M) \$ S

FY00 FY01 FY02
1.814 .100 0

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 60MM HE					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	197,964	0	0					
COST (M\$)	15.944	.682	.010					

The Cartridge, 60mm High Explosive M888 (DODIC B643) is a high explosive round for use in the 60mm M224 Lightweight Company Mortar System. It is intended for use against personnel and light materiel targets. The complete round consists of a projectile body, an M935 Point Detonating fuze, four M204 Propellant Increments, an obturator ring, an M27 Fin Assembly, and an M702 Ignition Cartridge.

The projectile body is made of alloy steel and is filled with Composition B high explosive. The ignition cartridge has a percussion primer and is assembled to the end of the fin assembly. The propelling charge is contained in four horseshoe felt-fiber containers and assembled around the fin assembly shaft.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	15.944	0.682	0.010					
WAR RESERVES	0.000	0.000	0.000					
COST (M\$)	15.944	0.682	0.010					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 60MM SMOKE WP					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	0	9,434					
COST (M\$)	.000	.000	2.689					

The Cartridge, 60mm Smoke White Phosphorus (WP) M722 (DODIC B646) is a white phosphorus round for use in the 60mm M224 Lightweight Company Mortar System. It is intended for use for spotting purposes. The complete round consists of a projectile body, the M745 Point Detonating Fuze, four M204 Propellant Increments, an obturating ring, the M27 Fin, and the M702 ignition cartridge.

The projectile body is made of thin-walled alloy steel and is filled with WP. The ignition cartridge has a percussion primer and is assembled to the end of the fin assembly. The propelling charge is contained in four horseshoe containers and assembled around the fin assembly shaft.

WP is a yellowish, wax-like substance that melts at 111°F. Its most characteristic property is that it spontaneously ignites when exposed to air, burning with a yellow flame and giving off a large volume of white smoke.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.000	0.000	2.689					
WAR RESERVES	0.000	0.000	0.000					
COST (M\$)	0.000	0.000	2.689					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/
PROCUREMENT, PAN&MC

P-1 NOMENCLATURE:
CTG, 81MM ALL TYPES

(ALTCODE: 109100)

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	10369	7340					
COST (M\$)	1.590	4.935	6.669					

MARINE CORPS RESERVES (M) \$ S

FY00 FY01 FY02
.014 .531 .436

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 81MM ILLUM INFRARED					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	0	7,340					
COST (M\$)	.000	.000	6.469					

The Cartridge, 81mm Illuminating Infrared XM816 (DODIC C484) with Fuze Mechanical Time Superquick (MTSQ) M776 is an infrared illuminating round developed for use in the 81mm M252 Mortar System. It is intended to take advantage of the night vision device and reduce friendly forces exposure to the enemy. The complete round consists of a MTSQ fuze with an expulsion charge, a body tube and tail cone assembly containing infrared illuminant charge, and a parachute assembly.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.000	0.000	6.469					
WAR RESERVES	0.000	0.000	0.000					
COST (M\$)	0.000	0.000	6.469					

AMMUNITION COST ANALYSIS (DOLLARS IN : THOUSANDS)

DATE: June 2001
 NSN: 1315-01-379-1026
 (C484)

APPROPRIATION BUDGET ACTIVITY:
 PROCUREMENT AMMUNITION, ARDEC

P-1 ITEM NOMENCLATURE:
 CTG, 81MM ILLUM INFRARED

ELEMENT OF COST QM: EA	FY 2000 (QTY 0)			FY 2001 (QTY 0)			FY 2002 (QTY 7340)			FY 2003 (QTY 0)		
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL
HARDWARE												
1. LOAD, ASSEMBLE, AND PACK	0	0.00	0	0	0.00	0	7,340	82.97	609			
2. BODY TUBE AND TAIL CONE	0	0.00	0	0	0.00	0	8,389	51.26	430			
3. INFRARED ILLUMINANT CANISTER	0	0.00	0	0	0.00	0	8,389	189.06	1586			
4. PARACHUTE ASSEMBLY	0	0.00	0	0	0.00	0	8,389	29.80	250			
5. IGNITION CARTRIDGE M752	0	0.00	0	0	0.00	0	8,389	37.31	313			
6. PROPELLANT CHARGE M219	0	0.00	0	0	0.00	0	31,457	9.31	293			
7. FIN ASSEMBLY M27	0	0.00	0	0	0.00	0	8,389	27.89	234			
8. FUZE MTSQ M772	0	0.00	0	0	0.00	0	8,389	130.41	1094			
SUBTOTAL			0			0			4809			
PRODUCT												
1. PRODUCTION ENGINEERING			0			0			1220			
2. QUALITY ASSURANCE			0			0			195			
3. ACCEPTANCE TESTING			0			0			140			
4. INTERIM TRANSPORTATION			0			0			63			
5. FIRST DESTINATION TRANSPORTATION			0			0			42			
SUBTOTAL			0			0			1660			

TOTAL P-1 LINE ITEM		0.00	0		0.00	0		881.31	6469			

PROCUREMENT HISTORY & PLANNING

DATE: June 2001

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1315-01-379-1026

PROCUREMENT AMMUNITION, PAN&MC

CTG, 81MM ILLUM INFRARED

(C484)

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPECS REV REQD	IF YES WHEN AVAIL
1. LOAD, ASSEMBLE, AND PACK										
FY 2002	PINE BLUFF ARSENAL PINE BLUFF, AR	SS/FP	ARDEC	MAR 02	FEB 04	7340	82.97	YES	NO	00
2. BODY TUBE AND TAIL CONE										
FY 2002	TO BE SELECTED		ARDEC	MAR 02	MAR 03	8389	51.26	YES	NO	00
3. INFRARED ILLUMINANT CANISTER										
FY 2002	CRANE AAA CRANE, IN	SS/FP	ARDEC	MAR 02	JUN 03	8389	189.06	YES	NO	00
4. PARACHUTE ASSEMBLY										
FY 2002	TO BE SELECTED		ARDEC	FEB 02	JAN 03	8389	29.80	YES	NO	00
5. IGNITION CARTRIDGE M752										
FY 2002	TO BE SELECTED	C/FP	ARDEC	MAR 02	MAR 03	8389	37.31	YES	NO	00
6. PROPELLANT CHARGE M219										
FY 2002	HITECH EAST CAMDEN, AR		ARDEC	FEB 02	FEB 03	31457	9.31	YES	NO	00
7. FIN ASSEMBLY M27										
FY 2002	WILKINSON MFG PORT CALHOUN, NE		ARDEC	FEB 02	JAN 03	8389	27.89	YES	NO	00
8. FUZE MTSQ M772										
FY 2002	DIEHL MFG NUREMBERG, GE		ARDEC	APR 02	MAY 03	8389	130.41	YES	NO	00

Remarks:

ASSET DYNAMICS

DATE: June 2001

TMR : 82,773
 ACQUISITION OBJECTIVE : 82,373
 LEADTIME : 27

DODIC: C484
 DESCRIPTION: CTG, 81MM ALL TYPES

	30 SEPT 1999	FY 2000 FDP	FY 2001 FDP	FY 2002 FDP	FY 2003 FDP	FY 2004 FDP	FY 2005 FDP	FY 2006 FDP	FY 2007 FDP
BUY SUMMARY:									
UNIT PRICE:		0.00	0.00	881.31					
TOTAL PRICE:		\$0	\$0	\$6,469,000					
FY BUDGET QTY:		0	0	7,340					
GAINS:									
FDP DELIVERIES:		0	0	0					
OTHER (99 & PRIOR):		0	0	0					
TOTAL:		0	0	0					
LOSSES:									
COMBAT:		0	0	0					
COMBAT ALLIES:		0	0	0					
PEACETIME:		0	0	400					
TESTING:		0	0	0					
SALES:		0	0	0					
OTHER:		0	0	0					
TOTAL:		0	0	400					
NET CHANGE (+/-)		0	0	-400					
ASSET POSITION:									
STD SERVICEABLE:	0	0	0	0					
UNSERVICEABLE:	0	0	0	0					
MAINTENANCE:	0	0	0	0					
SUBSTITUTE:	0	0	0	0					
TOTAL:	0	0	0	0					
\$ VALUE:	0	\$0	\$0	\$0					
RECOMMENDED BUY QTY	82,373	82,373	82,373	82,373					
\$ VALUE:	\$0	\$0	\$0	\$72,596,149					
DEFICIENCY A.O.	82,373	82,373	82,373	82,373					
\$ VALUE:	\$0	\$0	\$0	\$72,596,149					
PERCENT OF OBJECTIVE:	0%	0%	0%	0%					

Remarks:
 EXPENDITURE DATA: FY97 FY98 FY99
 . 0 250 41
 .
 SUMMARY ITEM READINESS QTY
 WRMR (WAR RESERVE REQ) 82030
 PIPELINE (313 DAYS OF THE TRAINING REQ) 343

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: June 2001

APPROPRIATION/BUDGET PAN&MC												P-1 ITEM NOMENCLATURE: CTG, 81MM ILLUM INFRARED																								DODIC: C484																								
F A C I L	U / M	S E R V	PROGRAM QUANTITY						ACCP PRI TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YEAR 2004												FISCAL YEAR 2005												FISCAL YEAR 2006												L A T E R													
											2003						CALENDAR YEAR 2004						CALENDAR YEAR 2005						CALENDAR YEAR 2006																															
			FY	FY	FY	FY	FY	FY	OCT	OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP														
						2003	2003																																																					
1	K	MC		7.30				0.00																																																				
TOTAL MONTHLY PROD							0.00																																																					

FAC NO.	MANUFACTURER NAME AND LOCATION	PRODUCTION RATES			MONTHS TO MAX AFTER D DAY
		MINIMUM	185	MAXIMUM	
1	PINE BLUFF ARSENAL, AR	5.00	10.00	30.00	0.00

PROCUREMENT LEAD TIME				
	ADMIN LEAD TIME		PRO-DUCTION	AFTER 1 OCT
	PRI OCT	AFT OCT		
INITIAL	6.00	6.00	24.00	30.00
REORDER	6.00	6.00	21.00	27.00

REMARKS:

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: CTG, 81MM SMOKE RP						
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	10,369	0					
COST (M\$)	.510	4.935	.200					

The Cartridge, 81mm Smoke Red Phosphorus (RP) M819 with MTSQ Fuze M772 (DODIC C870) is a smoke screen round developed for use in the 81mm M252 Mortar System. A three-round volley is used to develop the basic smoke screen. The complete round consists of a projectile body, a mechanical time superquick fuze, a fin assembly, a propelling charge, an obturating ring, and an ignition cartridge with an integral percussion primer. The projectile body is loaded with RP wedges. The ignition cartridge and a percussion primer are assembled to the fin assembly. The propelling charge is contained in four horseshoe-shaped nitrocellulose containers. They are assembled around the fin assembly shaft.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.510	4.935	0.200					
WAR RESERVES	0.000	0.000	0.000					
COST (M\$)	0.510	4.935	0.200					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/
PROCUREMENT, PAN&MC

P-1 NOMENCLATURE:
CTG, 120MM ALL TYPES

(ALTCODE: 112100)

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	10963	14073	14208					
COST (M\$)	6.300	7.563	7.639					

MARINE CORPS RESERVES (M) \$ S

FY00 FY01 FY02
.785 1.968 1.992

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 120MM TP-T					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	2,182	4,943	4,978					
COST (M\$)	1.283	2.828	2.834					

The Cartridge, 120mm Target Practice Cartridge with Tracer (TP-T) M831 Series (DODIC C784) is a fixed 120mm cartridge which simulates the ballistics of the High Explosive Antitank Multi-Purpose with Tracer (HEAT-MP-T) M830 Series Cartridge. The M831 series cartridge with inert projectile is intended for use in the 120mm smooth bore M256 cannon. The weight of this cartridge is approximately 50.5 pounds or 22.9 kg.

The M831 Series (M831 and M831A1) Cartridge consists of an inert projectile composed of a steel (aluminum for M831A1) spike, aluminum body with a copper or nylon-obturing band, and a cartridge case assembly.

NOTE: This is a multi-year procurement with the U.S. Army for FY99-FY03.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	1.283	2.828	2.834					
WAR RESERVES	0.000	0.000	0.000					
COST (M\$)	1.283	2.828	2.834					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: CTG, 120MM TPCSDS-T						
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	8,781	9,130	9,230					
COST (M\$)	5.017	4.735	4.805					

The Cartridge, 120mm Target Practice Cone Stabilized Discarding Sabot with Tracer (TPCSDS-T) M865 (DODIC C785) is a kinetic energy, target practice round for use with the 120mm smooth bore M256 Cannon. It is designed to simulate the service round characteristics at reduced maximum ranges to allow the practice firings on short range proving grounds and training areas.

The M865 Cartridge contains a propulsion system consisting of a stub metal case with combustible sidewall, granular propellant, and an electric primer. The projectile consists of penetrator (subprojectile) and aluminum sabot. The tail cone contains nine holes, or six slots, which in conjunction with the conical shape provide stabilization. Reduced range is achieved by the aerodynamic blocking effect of the holes, or slots. The tail cone assembly also contains a tracer. The aluminum sabot has a silicone rubber seal at the rear to prevent gas leakage. The weight of the complete cartridge is approximately 41.9 lb.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	5.017	4.735	4.805					
WAR RESERVES	0.000	0.000	0.000					
COST (M\$)	5.017	4.735	4.805					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/
PROCUREMENT, PAN&MC

P-1 NOMENCLATURE:
CTG, 25MM ALL TYPES

(ALTCODE: 138800)

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	883075	284373	421358					
COST (M\$)	11.796	3.895	6.031					

MARINE CORPS RESERVES (M) \$ S

FY00 FY01 FY02
.999 .652 .544

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 25MM TPDS-T LINKED					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	519,679	0	133,246					
COST (M\$)	7.130	.110	2.032					

The Cartridge, 25mm Target Practice Discarding Sabot with Tracer (TPDS-T) M910 Linked (DODIC A940) is fired from the M242 Automatic Cannon. This cartridge is a fixed type, percussion primer 25mm ammunition intended as a training substitute for armor piercing service ammunition.

NOTE: This is a multi-year procurement with the Army for FY99-FY03. Current funding for this item meets the minimum Marine Corps commitment for this multi-year buy.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	7.130	0.110	2.032					
WAR RESERVES	0.000	0.000	0.000					
COST (M\$)	7.130	0.110	2.032					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 25MM TP-T LINKED					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	363,396	284,373	288,112					
COST (M\$)	4.666	3.785	3.999					

The Cartridge, 25mm Target Practice-Tracer (TP-T) M793 Linked (DODIC A976) is a target practice round used in training, gun testing, and gun system functioning for the M242 25mm Automatic Cannon. The M793 is a fixed type, percussion primed 25mm projectile, and is intended as a substitute for the 25mm tactical round cartridge. The projectile is painted blue and is inert. The cartridge consists of a hollow, two-piece projectile body, which is crimped to a steel cartridge case containing 99 grams of ball propellant, M115 Percussion Primer, and booster pellet. The body of the projectile consists of a hollow C0135 steel body screw-on steel nosepiece, swaged iron-rotating band, and pressed-in tracer pellets. This projectile is configured only as linked ammunition.

NOTE: This is a multi-year procurement with the Army for FY99-FY03. Current funding for this item meets the minimum Marine Corps commitment for this multi-year buy.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	4.666	3.785	3.999					
WAR RESERVES	0.000	0.000	0.000					
COST (M\$)	4.666	3.785	3.999					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/
PROCUREMENT, PAN&MC

P-1 NOMENCLATURE:
CTG, 9MM ALL TYPES

(ALTCODE: 142800)

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	16443846	15487762	15642424					
COST (M\$)	3.107	2.632	2.832					

MARINE CORPS RESERVES (M) \$ S

FY00 FY01 FY02
.138 .114 .117

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: CTG, 9MM BALL						
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	12,853,846	13,492,308	12,658,333					
COST (M\$)	1.671	1.754	1.519					

The Cartridge, 9mm Ball M882 (DODIC A363) is intended for use against personnel and primarily used as security ammunition. This round maybe used in the M9 Service Pistol and the MP5N Submachine Gun. The M882 Ball consists of a brass cartridge case, a primer, propellant, and a plain bullet tip.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	1.671	1.754	1.519					
WAR RESERVES	0.000	0.000	0.000					
COST (M\$)	1.671	1.754	1.519					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 9MM SESAMS (RED)					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	1,795,000	997,727	1,431,818					
COST (M\$)	.718	.439	.630					

The Cartridge, 9mm FX Red Marking (DODIC AA12) is utilized with the M4A1 Carbine, Sig Sauer P226 Pistol, MP5 Submachine Gun and M9 Special Effects Small Arms Marking System (SESAMS) Adapter Kits. Weapons fitted with the training adapters will operate semi or full automatic simulating live fire. The intended use for this cartridge is to provide enhanced training by allowing force-on-force training versus firing at silhouette on impact. When the round impacts a target, the plastic projectile sheath breaks and detergent marks the target, thus indicating a struck.

This cartridge consists of a composite brass/plastic cartridge case loaded with a plastic projectile filled with a fluorescent red, detergent based, non-toxic, washable, inert paste and is propelled by a conventional lead styphnate primer containing approximately .02 grams of GBSE propellant. The overall cartridge length is approximately 1.120 inches, and the weight is approximately 4.30 grams.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.718	0.439	0.630					
WAR RESERVES	0.000	0.000	0.000					
COST (M\$)	0.718	0.439	0.630					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 9MM SESAMS (BLUE)					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTIT	1,795,000	997,727	1,552,273					
COST (M\$)	.718	.439	.683					

The Cartridge, 9mm FX Blue Marking (DODIC AA21) is utilized with the M4A1 Carbine, Sig Sauer P226 Pistol, MP5 Submachine Gun and M9 Special Effects Small Arms Marking System (SESAMS) Adapter Kits. Weapons fitted with the training adapters will operate semi or full automatic simulating live fire. The intended use for this cartridge is to provide enhanced training by allowing force-on-force training versus firing at silhouette on impact. When the round impacts a target, the plastic projectile sheath breaks and detergent marks the target, thus indicating a hit.

This cartridge consists of a composite brass/plastic cartridge case loaded with a plastic projectile filled with a fluorescent blue, detergent based, non-toxic, washable, inert paste and is propelled by a conventional lead styphnate primer containing approximately .02 grams of GBSE propellant. The overall cartridge length is approximately 1.120 inches, and the weight is approximately 4.30 grams.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.718	0.439	0.683					
WAR RESERVES	0.000	0.000	0.000					
COST (M\$)	0.718	0.439	0.683					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT, PAN&MC	P-1 NOMENCLATURE: GRENADES, ALL TYPES (ALTCODE: 146800)
---------------------------------------	--

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	920303	1022468	252078					
COST (M\$)	12.794	10.758	10.533					

MARINE CORPS RESERVES (M) \$ S

FY00 FY01 FY02
 1.037 .689 1.066

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CHARGE, DIVERSIONARY MK 141/0					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	27,263	33,111	0					
COST (M\$)	1.036	1.192	.005					

The Charge, Diversionary MK141 Mod 0 (DODIC DWBS) is a pyrotechnic device used for diversionary purposes. The Charge, Diversionary is a low hazard, non-shrapnel producing explosive device that produces an intense flash and sound report with a minimal amount of smoke. It consists of two major assemblies, the fuze system and the pyrotechnic charge system. The fuze system is made of 10% glass filled polyethylene and is provided with a striker, metal safety release lever, safety pin assembly, M42 Primer, first fire mixture, a delay column (T1) and a separation charge. The fuze system is threaded into the main body of the pyrotechnic charge system and sealed with an O-ring. The pyrotechnic charge system consists of a main body containing the secondary delay column (T2), ignition charge, and the pyrotechnic output charge. The cylindrical main body is made of machined rigid polyurethane foam and is encased with adhesive aluminum foil.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	1.036	1.192	0.005					
WAR RESERVES	0.000	0.000	0.000					
COST (M\$)	1.036	1.192	0.005					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: FUZE, HAND GRENADE PRACTICE						
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	416,287	542,673	0					
COST (M\$)	1.020	1.350	.060					

The Fuze, Hand Grenade Practice M228 (DODIC G878) is a pyrotechnic delay-igniting fuze. DODIC G878 is used with the Grenade, Hand Practice M69 (DODIC G811). The body contains a primer and a pyrotechnic delay column. Assembled to the body are a striker, striker spring, safety lever, safety pin with pull ring, safety clip, and igniter assembly. (Older models do not have the safety clip.) The split end of the safety pin has an angular spread or a diamond crimp. One fuze weighs approximately 2.5 ounces.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	1.020	1.350	0.060					
WAR RESERVES	0.000	0.000	0.000					
COST (M\$)	1.020	1.350	0.060					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: GRENADE, HAND FRAGMENTATION					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	203,946	77,459					
COST (M\$)	.000	5.389	2.125					

The Grenade, Hand Fragmentation M67 (DODIC G881) is used to supplement small arms fire against the enemy in close combat. The grenade produces casualties by high velocity projection of fragments in a uniform distribution pattern. The grenade body is a 2.5-inch diameter steel sphere that is designed to fragment when detonated. The grenade body contains 6.5 ounces of Composition B high explosive. This grenade is fuze with the M213 Pyrotechnic Delay-detonating Fuze. It is designed to function the grenade 4 to 5.1 seconds after release of the safety lever. The body of the fuze contains a primer and a pyrotechnic delay column. Assembled to the body are a striker, a striker spring, a safety lever, a safety pin and pull ring, a safety clip, and a detonator assembly.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.000	5.389	2.125					
WAR RESERVES	0.000	0.000	0.000					
COST (M\$)	0.000	5.389	2.125					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: GRENADE, HAND RIOT CS					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	0	19,190					
COST (M\$)	.000	.000	2.226					

The Grenade, Hand Riot CS M7A3 (DODIC G963) is a burning-type hand grenade used to generate CS (tear) gas. The gas has a powerful irritating effect on eyes and upper respiratory tract. It is used in crowd control and disbursal.

The grenade body is a cylinder of thin sheet metal. It is filled with chemical agent CS mixture topped with a fire starter mixture directly under the fuze opening. The grenade is fuze with the M201A1 Pyrotechnic Delay-igniting Fuze. The fuze body contains a primer, first-fire mixture, pyrotechnic delay column, and ignition mixture. Assembled to the fuze body are a striker, striker spring, safety lever, and safety pin with pull ring.

Removal of the safety pin permits release of the safety lever. When the safety lever is released, the striker acting under the force of the striker spring forces it away from the grenade body. The striker rotates on its own axis and strikes the percussion primer.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.000	0.000	2.226					
WAR RESERVES	0.000	0.000	0.000					
COST (M\$)	0.000	0.000	2.226					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: SMOKE POT						
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	650	552					
COST (M\$)	.000	1.579	.578					

The floating smoke pot is a new item that is being procured using the Foreign Comparative Test (FCT) Program to replace older variants of smoke pots. This round is designed to screen personnel and equipment movement and will replace current systems with a non-toxic chemical and safe fuze.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.000	1.579	0.578					
WAR RESERVES	0.000	0.000	0.000					
COST (M\$)	0.000	1.579	0.578					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: SIGNAL, ILLUM GROUND WSC					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	0	28,268					
COST (M\$)	.000	.000	.982					

The Signal, Illumination Ground White Star Cluster M159 (DODIC L307) is a rocket propelled, fin stabilized, hand launched, nighttime/daytime signaling device. When fired vertically, the signals project to an altitude of approximately 700-800 feet and produce five illuminant "stars" that burn for 6 seconds (minimum).

The signal consists of a five star illuminant assembly and a rocket motor propulsion assembly contained in a hand held aluminum launching tube. The base of the launching tube contains a primer and initiating charge. As shipped, the firing pin cap is placed on the forward/open end and must be removed and placed on the primer end (indicated by a red colored stripe) for firing. Stabilizing fins on the rocket are folded parallel to the axis of the signal. A bolt, which transfers the initiating charge flash to the propellant, extends into the center of the solid propellant that fills the propulsion assembly.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.000	0.000	0.982					
WAR RESERVES	0.000	0.000	0.000					
COST (M\$)	0.000	0.000	0.982					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: SIGNAL, ILLUM GROUND WSP						
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	0	61,594					
COST (M\$)	.000	.000	2.233					

The Signal, Illumination Ground White Star Parachute M127A1 (DODIC L312) is a rocket propelled, fin stabilized, hand launched, nighttime/daytime signaling device. When fired vertically, the signal projects to an altitude of approximately 700-800 feet, producing a parachute suspended star that burns for approximately 25 seconds (minimum).

The M127A1 Signal consists of a parachute suspended illuminant assembly and a rocket motor propulsion assembly contained in a hand-held aluminum launching tube. The base of the launching tube contains a primer and an initiating charge. As shipped, the firing pin cap is placed on the forward/open end and must be removed and placed on the primer end (indicated by a red colored stripe) for firing. Stabilizing fins on the rocket are folded parallel to the axis of the signal. A bolt, which transfers the initiating charge flash to the propellant, extends into the center of the solid propellant filling the propulsion assembly. The parachute assem

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.000	0.000	2.233					
WAR RESERVES	0.000	0.000	0.000					
COST (M\$)	0.000	0.000	2.233					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: SIGNAL, ILLUM GROUND GSC					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	0	65,015					
COST (M\$)	.000	.000	2.260					

The Signal, Illumination Ground Green Star Cluster M125A1 (DODIC L314) is a rocket propelled, fin stabilized, hand launched, nighttime/daytime signaling device. When fired vertically, the signals project to an altitude of approximately 700-800 feet and produce five illuminant "stars" that burn for 6 seconds (minimum).

The M125A1 Signal consists of a five star illuminant assembly and a rocket motor propulsion assembly contained in a hand held aluminum launching tube. The base of the launching tube contains a primer and initiating charge. As shipped, the firing pin cap is placed on the forward/open end and must be removed and placed on the primer end (indicated by a red colored stripe) for firing. Stabilizing fins on the rocket are folded parallel to the axis of the signal. A bolt, which transfers the initiating charge flash to the propellant, extends into the center of the solid propellant that fills the propulsion assembly.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.000	0.000	2.260					
WAR RESERVES	0.000	0.000	0.000					
COST (M\$)	0.000	0.000	2.260					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: SIMULATOR, PROJ GROUND BURST					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	242,088	0					
COST (M\$)	.003	1.109	.064					

The Simulator, Projectile Ground Burst M115A2 (DODIC L594) is used to simulate battle noises and effects on land only (shells in flight and ground explosions) during maneuvers and troop training. This simulator consists of a cylindrical paper tube containing a photoflash charge and a whistle assembly. The whistle assembly, extending from one end of the photoflash charge, is a paper tube containing a slow burning whistle composition, and is joined to a fuse lighter by a length of safety fuse. The fuse lighter is the friction type M3A1 and is taped to the outside of the simulator. A safety clip through the cap of the fuse lighter prevents accidental detonation. A label giving firing instructions is attached to the outside of each simulator.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.003	1.109	0.064					
WAR RESERVES	0.000	0.000	0.000					
COST (M\$)	0.003	1.109	0.064					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: STINGER SLEP					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	0	0					
COST (M\$)	1.955	3.888	7.330					

The Stinger Service Life Extension Program (SLEP) cost includes: hands on replacement of battery, Battery Cooling Unit (BCU) related engineering, technical support, and cost of components and packing materials. The current war reserve missiles contain lithium batteries with an eleven year shelf life. The stinger SLEP will replace these batteries and extend the life of the stinger missile by an additional eleven years.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	1.955	3.888	7.330					
WAR RESERVES	0.000	0.000	0.000					
COST (M\$)	1.955	3.888	7.330					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/
PROCUREMENT, PAN&MC

P-1 NOMENCLATURE:
ROCKETS ALL TYPES

(ALTCODE: 147100)

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	8459	7147	2239					
COST (M\$)	14.132	11.089	4.794					

MARINE CORPS RESERVES (M) \$ S

FY00 FY01 FY02
.364 .109 .167

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: ROCKET, 83MM HE DUALMODE						
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	8,459	3,556	2,239					
COST (M\$)	13.934	6.062	4.264					

The Rocket, 83mm Assault MK3 Mod 0 (SMAW) (DODIC HX05) is designed especially for use against reinforced concrete, sandbag and timber bunkers, brick and block walls, and lightly armored vehicles. The SMAW is an unguided, dual mode, high explosive rocket contained in a disposable one-shot rocket container. The container protects the rocket during storage, transportation, and field handling. It also functions as an integral part of the launcher in the weapon configuration. The encased rocket is mated to the launcher both mechanically and electrically with one simple twist locking motion. The six 9mm spotting rounds, located in a magazine stored inside the front-end cap, are used to enhance the first round struck probability of the rocket. The spotting rounds and the rocket are ballistically matched. After firing the rocket, the encasement is removed and discarded.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	13.934	6.062	4.264					
WAR RESERVES	0.000	0.000	0.000					
COST (M\$)	13.934	6.062	4.264					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: ROCKET, 83MM HEAA PRACTICE					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	3,591	0					
COST (M\$)	.198	5.027	.530					

The Rocket, 83mm High-Explosive Anti-Armor (HEAA) Practice MK7 Mod 0 (SMAW) (DODIC HX07) Rocket is designed as a practice round for DODICs HX05 and HX06 SMAW rockets. The rocket is an unguided, practice rocket contained in a disposable one-shot rocket container. The container protects the rocket during storage, transportation, and field handling. It also functions as an integral part of the launcher in the weapon configuration. The encased rocket is mated to the launcher both mechanically and electrically with one simple twist locking motion. The six 9mm spotting rounds, located in a magazine stored on the front-end cap, are used to enhance the first round struck probability of the rocket. The spotting rounds and the rocket are ballistically matched.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.198	5.027	0.530					
WAR RESERVES	0.000	0.000	0.000					
COST (M\$)	0.198	5.027	0.530					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/
PROCUREMENT, PAN&MC

P-1 NOMENCLATURE:
ARTILLERY, ALL TYPES

(ALTCODE: 147300)

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	32858	83822					
COST (M\$)	0.168	15.182	24.488					

MARINE CORPS RESERVES (M) \$ S

FY00 FY01 FY02
.023 .045 4.000

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: PROJ, 155MM HE EX RANGE					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	32,858	21,796					
COST (M\$)	.000	14.967	10.801					

The Projectile, 155mm High Explosive (HE) M795 (DODIC D529) is a separate loading projectile with a high fragmentation steel shell filled with a high explosive mixture. The projectile is fired with the 155mm M198 Howitzer and the new LW155 Howitzer. The projectile consists of 23.8 pounds of TNT explosive loaded into a 78.1 pound body assembly and a supplementary charge which has 0.36 pounds of TNT contained in an aluminum liner in the fuze cavity. A gilding metal rotating band encircles the high fragmentation steel HF-1 body near its base. The obturator is plastic. The projectile is fitted with a protective lifting plug at the nose and a grommet which protects the rotating band during shipping and handling. The M795 provides extended range and increased lethality over the existing M107, 155MM HE Projectile. The M795 provides extended range and increased lethality over the existing M107, 155MM HE Projectile.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.000	14.967	10.801					
WAR RESERVES	0.000	0.000	0.000					
COST (M\$)	0.000	14.967	10.801					

AMMUNITION COST ANALYSIS (DOLLARS IN : THOUSANDS)

DATE: June 2001
 NSN: 1320-00-000-0529
 (D529)

APPROPRIATION BUDGET ACTIVITY:
 PROCUREMENT AMMUNITION, ARDEC

P-1 ITEM NOMENCLATURE:
 PROJ 155MM HE EX RANGE

ELEMENT OF COST QM: EA	FY 2000 (QTY 0)			FY 2001 (QTY 32858)			FY 2002 (QTY 21796)			FY 2003 (QTY 0)		
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL
HARDWARE												
1. LOAD, ASSEMBLE, AND PACK	0	0.00	0	32,858	120.64	3964	21,796	131.26	2861	0	0.00	0
2. METAL PARTS	0	0.00	0	33,854	210.88	7139	22,457	229.46	5153	0	0.00	0
3. WOODEN PALLETS	0	0.00	0	3,983	48.71	194	2,642	52.99	140	0	0.00	0
4. LIFTING PLUGS	0	0.00	0	33,854	7.09	240	22,457	7.70	173	0	0.00	0
5. SUPPLEMENTAL CHARGES	0	0.00	0	33,854	5.08	172	22,457	5.52	124	0	0.00	0
6. TNT	0	0.00	0	819,459	3.04	2492	543,579	3.31	1798	0	0.00	0
SUBTOTAL			0			14201			10249			0
PRODUCT												
1. PRODUCTION ENGINEERING			0			725			522			0
2. QUALITY ASSURANCE			0			41			30			0
SUBTOTAL			0			766			552			0

TOTAL P-1 LINE ITEM		0.00	0		455.51	14967		495.55	10801		0.00	0

PROCUREMENT HISTORY & PLANNING

DATE: June 2001

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1320-00-000-0529

PROCUREMENT AMMUNITION, PAN&MC

PROJ, 155MM HE EX RANGE

(D529)

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPECS REV REQD	IF YES WHEN AVAIL
1. LOAD, ASSEMBLE, AND PACK										
FY 2001	AMERICAN ORDNANCE MIDDLETON, IA	C/FFP	ARDEC	JUL 01	SEP 02	32858	120.64	YES	NO	00
FY 2002	AMERICAN ORDNANCE MIDDLETON, IA	C/FFP	ARDEC	DEC 01	FEB 03	21796	131.26	YES	NO	00
2. METAL PARTS										
FY 2001	CHAMBERLAIN MFG SCRANTON, PA	C/FFP	ARDEC	DEC 00	FEB 02	33854	210.88	YES	NO	00
FY 2002	CHAMBERLAIN MFG SCRANTON, PA	C/FFP	ARDEC	DEC 01	FEB 03	22457	229.46	YES	NO	00
3. WOODEN PALLETS										
FY 2001	TO BE SELECTED	C/FFP	ARDEC	DEC 00	FEB 02	3983	48.71	YES	NO	00
FY 2002	TO BE SELECTED	C/FFP	ARDEC	DEC 01	FEB 03	2642	52.99	YES	NO	00
4. LIFTING PLUGS										
FY 2001	TO BE SELECTED	C/FFP	ARDEC	DEC 00	FEB 02	33854	7.09	YES	NO	00
FY 2002	TO BE SELECTED	C/FFP	ARDEC	DEC 01	FEB 03	22457	7.70	YES	NO	00
5. SUPPLEMENTAL CHARGES										
FY 2001	TO BE SELECTED	C/FFP	ARDEC	DEC 00	FEB 02	33854	5.08	YES	NO	00
FY 2002	TO BE SELECTED	C/FFP	ARDEC	DEC 01	FEB 03	22457	5.52	YES	NO	00
6. TNT										
FY 2001	TO BE SELECTED	C/FFP	ARDEC	DEC 00	FEB 02	819459	3.04	YES	NO	00
FY 2002	TO BE SELECTED	C/FFP	ARDEC	DEC 01	FEB 03	543579	3.31	YES	NO	00

Remarks:

ASSET DYNAMICS

DATE: June 2001

TMR : 173,371
 ACQUISITION OBJECTIVE : 165,922
 LEADTIME : 18

DODIC: D529
 DESCRIPTION: ARTILLERY, ALL TYPES

	30 SEPT 1999	FY 2000 FDP	FY 2001 FDP	FY 2002 FDP	FY 2003 FDP	FY 2004 FDP	FY 2005 FDP	FY 2006 FDP	FY 2007 FDP
BUY SUMMARY:									
UNIT PRICE:		0.00	455.51	495.55					
TOTAL PRICE:		\$0	\$14,967,000	\$10,801,000					
FY BUDGET QTY:		0	32,858	21,796					
GAINS:									
FDP DELIVERIES:		0	0	16,429					
OTHER (99 & PRIOR):		0	0	0					
TOTAL:		0	0	16,429					
LOSSES:									
COMBAT:		0	0	0					
COMBAT ALLIES:		0	0	0					
PEACETIME:		0	0	7,449					
TESTING:		0	0	0					
SALES:		0	0	0					
OTHER:		0	0	0					
TOTAL:		0	0	7,449					
NET CHANGE (+/-)		0	0	8,980					
ASSET POSITION:									
STD SERVICEABLE:	0	0	0	8,980					
UNSERVICEABLE:	0	0	0	0					
MAINTENANCE:	0	0	0	0					
SUBSTITUTE:	0	0	0	0					
TOTAL:	0	0	0	8,980					
\$ VALUE:	0	\$0	\$0	\$4,450,039					
RECOMMENDED BUY QTY	165,922	165,922	165,922	156,942					
\$ VALUE:	\$0	\$0	\$75,579,130	\$77,772,608					
DEFICIENCY A.O.	165,922	165,922	165,922	156,942					
\$ VALUE:	\$0	\$0	\$75,579,130	\$77,772,608					
PERCENT OF OBJECTIVE:	0%	0%	0%	5%					

Remarks:

EXPENDITURE DATA:	FY97	FY98	FY99
.	0	0	0
.			

SUMMARY ITEM READINESS QTY
 WRMR (WAR RESERVE REQ) 159534
 PIPELINE (313 DAYS OF THE TRAINING REQ) 6388

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: June 2001

APPROPRIATION/BUDGET			PAN&MC				P-1 ITEM NOMENCLATURE: PROJ, 155MM HE EX RANGE																									DODIC: D529																							
FACIL	U/M	SERV	PROGRAM QUANTITY						ACCPRI TO 1 OF 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YEAR 2001												FISCAL YEAR 2002												FISCAL YEAR 2003												LATER								
			2000								CALENDAR YEAR 2001												CALENDAR YEAR 2002												CALENDAR YEAR 2003																				
			FY	FY	FY	FY	FY	FY			OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP									
1	K	MC	32.9						0.00	32.9																																													
1	K	MC		21.8					0.00	21.8																																													
TOTAL MONTHLY PROD									0.00	54.7																																													

FAC NO.	MANUFACTURER NAME AND LOCATION	PRODUCTION RATES			MONTHS TO MAX AFTER D DAY
		MINIMUM	185	MAXIMUM	
1	AMERICAN ORD MIDDLETON IA	7.00	11.00	28.00	0.00

PROCUREMENT LEAD TIME				
	ADMIN LEAD TIME		PRODUCTION	AFTER 1 OCT
	PRI OCT	AFT OCT		
INITIAL	3.00	3.00	15.00	18.00
REORDER	3.00	3.00	15.00	18.00

REMARKS:

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: PROJ, 155MM HE					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	0	54,843					
COST (M\$)	.000	.000	9.994					

The Projectile, 155mm High Explosive (HE) M107 Series (DODIC D544) is a separate loading projectile with a hollow steel shell filled with a high explosive mixture. The projectile is fired with the 155mm M198 Howitzer. These projectiles may contain an explosive charge of either 14.6 pounds of TNT or 15.4 pounds of Composition B. There is also a supplementary charge which has 0.36 pounds of TNT contained in an aluminum liner in the fuze cavity. A swaged metal rotating band protected by a grommet during shipping and storage encircles the shell casing near the base. A steel base cover welded over the projectile base prevents entry of hot gasses into the projectile interior during firing. This round is being replaced by the M795, 155MM HE Projectile (DODIC D529).

NOTE: This is a multi-year procurement with the U.S. Army for FY99-FY03.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.000	0.000	9.994					
WAR RESERVES	0.000	0.000	0.000					
COST (M\$)	0.000	0.000	9.994					

AMMUNITION COST ANALYSIS (DOLLARS IN : THOUSANDS)

DATE: June 2001
 NSN: 1320-01-257-4222
 (D544)

APPROPRIATION BUDGET ACTIVITY:
 PROCUREMENT AMMUNITION, OPERATIONS SUPPORT COMMAND

P-1 ITEM NOMENCLATURE:
 PROJ, 155MM HE

ELEMENT OF COST QM: EA	FY 2000 (QTY 0)			FY 2001 (QTY 0)			FY 2002 (QTY 54843)			FY 2003 (QTY 0)		
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL
HARDWARE												
1. PROJ ARTY 155MM HE M107	0	0.00	0	0	0.00	0	54,843	65.53	3594	0	0.00	0
2. PROJ M107 MPTS(EA)	0	0.00	0	0	0.00	0	55,940	104.70	5857	0	0.00	0
3. *COMP B TYPE I GRADE A(LB)	0	0.00	0	0	0.00	0	937,816	2.35	2203	0	0.00	0
4. *PLUG, SHOCK ATTENUATING(EA)	0	0.00	0	0	0.00	0	55,940	1.75	98	0	0.00	0
5. GROMMET(EA)	0	0.00	0	0	0.00	0	56,489	1.22	69	0	0.00	0
6. *SUPPLEMENTAL CHARGE(EA)	0	0.00	0	0	0.00	0	55,940	3.59	201	0	0.00	0
7. RECLAIM OP F/SUPP CHG(EA)	0	0.00	0	0	0.00	0	55,940	4.90	274	0	0.00	0
SUBTOTAL			0			0			12296			0
PRODUCT												
1. PRODUCTION ENGINEERING			0			0			62			0
2. QUALITY ASSURANCE			0			0			1			0
3. ACCEPTANCE TESTING			0			0			24			0
4. INTERIM TRANSPORTATION			0			0			11			0
5. INDUSTRIAL STOCK SUPPORT			0			0			102			0
6. GOVERNMENT FURNISHED MATERIAL			0			0			-2502			0
SUBTOTAL			0			0			-2302			0

TOTAL P-1 LINE ITEM		0.00	0		0.00	0		182.23	9994		0.00	0

PROCUREMENT HISTORY & PLANNING

DATE: June 2001

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1320-01-257-4222

PROCUREMENT AMMUNITION, PAN&MC

PROJ, 155MM HE

(D544)

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPECS REV REQD	IF YES WHEN AVAIL	
1.	PROJ ARTY 155MM HE M107										
FY 2002	AMERICAN ORDNANCE MIDDLETON, IA	SS/FP	OSC	MAR 02	FEB 03	54843	65.53	YES	NO	00	
2.	PROJ M107 MPTS(EA)										
FY 2002	CHAMBERLAIN MFG SCRANTON, PA	SS/FP	OSC	MAR 02	JAN 03	55940	104.70	YES	NO	00	
3.	*COMP B TYPE I GRADE A(LB)										
FY 2002				00	00	937816	2.35	YES	NO	00	
4.	*PLUG, SHOCK ATTENUATING(EA)										
FY 2002				00	00	55940	1.75	YES	NO	00	
5.	GROMMET(EA)										
FY 2002		C/FP	OSC	MAR 02	NOV 02	56489	1.22	YES	NO	00	
6.	*SUPPLEMENTAL CHARGE(EA)										
FY 2002				00	00	55940	3.59	YES	NO	00	
7.	RECLAIM OP F/SUPP CHG(EA)										
FY 2002	MCALESTER AAP MCALESTER, OK	SS/FP	OSC	FEB 02	DEC 02	55940	4.90	YES	NO	00	

Remarks:

* LINE ITEM 03, 04, AND 06 - GOVERNMENT FURNISHED MATERIAL

ASSET DYNAMICS

DATE: June 2001

TMR : 128,310
 ACQUISITION OBJECTIVE : 57,499
 LEADTIME : 18

DODIC: D544
 DESCRIPTION: ARTILLERY, ALL TYPES

	30 SEPT 1999	FY 2000 FDP	FY 2001 FDP	FY 2002 FDP	FY 2003 FDP	FY 2004 FDP	FY 2005 FDP	FY 2006 FDP	FY 2007 FDP
BUY SUMMARY:									
UNIT PRICE:		0.00	0.00	182.23					
TOTAL PRICE:		\$0	\$0	\$9,994,000					
FY BUDGET QTY:		0	0	54,843					
GAINS:									
FDP DELIVERIES:		0	0	0					
OTHER (99 & PRIOR):		0	0	0					
TOTAL:		0	0	0					
LOSSES:									
COMBAT:		0	0	0					
COMBAT ALLIES:		0	0	0					
PEACETIME:		74,502	74,502	67,051					
TESTING:		13,112	906	476					
SALES:		0	0	0					
OTHER:		0	0	0					
TOTAL:		87,614	75,408	67,527					
NET CHANGE (+/-)		-87,614	-75,408	-67,527					
ASSET POSITION:									
STD SERVICEABLE:	443,752	356,138	280,730	213,203					
UNSERVICEABLE:	0	0	0	0					
MAINTENANCE:	0	0	0	0					
SUBSTITUTE:	0	0	0	0					
TOTAL:	443,752	356,138	280,730	213,203					
\$ VALUE:	0	\$0	\$0	\$38,851,983					
RECOMMENDED BUY QTY	-386,253	-298,639	-223,231	-155,704					
\$ VALUE:	\$0	\$0	\$0	(\$28,373,940)					
DEFICIENCY A.O.	-386,253	-298,639	-223,231	-155,704					
\$ VALUE:	\$0	\$0	\$0	(\$28,373,940)					
PERCENT OF OBJECTIVE:	772%	619%	488%	371%					

Remarks:
 EXPENDITURE DATA: FY97 FY98 FY99
 . 84145 86144 84250
 .
 SUMMARY ITEM READINESS
 WRMR (WAR RESERVE REQ) 0
 PIPELINE (313 DAYS OF THE TRAINING REQ) 57499

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: June 2001

APPROPRIATION/BUDGET PAN&MC											P-1 ITEM NOMENCLATURE: PROJ, 155MM HE																DODIC: D544																																														
FACIL	U/M	SERV	PROGRAM QUANTITY						ACCP PRI TO 1 AS OF 1		FISCAL YEAR 2001												FISCAL YEAR 2002												FISCAL YEAR 2003												LATER																										
			FY	FY	FY	FY	FY	FY	2000	CALENDAR YEAR 2001						CALENDAR YEAR 2002						CALENDAR YEAR 2003																																																			
										OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP																												
			01P	02	03	04			2000	2000																																																															
	K	ALL		278					0.00	278																																																															
	K	ALL	198						0.00	198																				74						60			60																																		
	K	ALL							0.00	314																						42			75			26			40			40																													
	K	ALL							0.00	243			33			44			52			79													35																																						
1	K	FMS							0.00	200																				3.0					26			40			40																																
1	K	MC		54.8					0.00	54.8																																																															
1	K	A		224					0.00	224																																																															
1	K	A	198						0.00	198																				74						60			60																																		
1	K	A							0.00	114																						42			72																																						
1	K	A							0.00	243			33			44			52			79													35																																						
TOTAL MONTHLY PROD											959	1107			33			44			52			79			77			75			100			100			100																																		

FAC NO.	MANUFACTURER NAME AND LOCATION	PRODUCTION RATES			MONTHS TO MAX AFTER D DAY
		MINIMUM	185	MAXIMUM	
1	IOWA AAP, MIDDLETON, IA	8.60	25.00	42.30	0.00

PROCUREMENT LEAD TIME				
	ADMIN LEAD TIME		PRO-DUCTION	AFTER 1 OCT
	PRI OCT	AFT OCT		
INITIAL	6.00	6.00	12.00	18.00
REORDER	6.00	6.00	12.00	18.00

REMARKS:

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: June 2001

APPROPRIATION/BUDGET		PAN&MC		P-1 ITEM NOMENCLATURE: PROJ, 155MM HE													DODIC: D544																													
F A C T O R I A L	U / M	S E R V	PROGRAM QUANTITY					ACCP PRI TO 1 OF 1	BAL DUE AS OF 1 OCT	FISCAL YEAR 2004												FISCAL YEAR 2005												FISCAL YEAR 2006												L A T E R
			FY	FY	FY	FY	FY			2003	CALENDAR YEAR 2004					CALENDAR YEAR 2005							CALENDAR YEAR 2006																							
										OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
			01P	02	03	04				2003	2003																																			
	K	ALL		278				204																																						
	K	ALL	198					198																																						
	K	ALL						314																																						
	K	ALL						243																																						
1	K	FMS						200																																						
1	K	MC	54.8					54.8																																						
1	K	A	224					150																																						
1	K	A	198					198																																						
1	K	A						114																																						
1	K	A						243																																						
TOTAL MONTHLY PROD								959																														0.00								

FAC NO.	MANUFACTURER NAME AND LOCATION	PRODUCTION RATES			MONTHS TO MAX AFTER D DAY
		MINIMUM	185	MAXIMUM	
1	IOWA AAP, MIDDLETON, IA	8.60	25.00	42.30	0.00

PROCUREMENT LEAD TIME				
	ADMIN LEAD TIME		PRO-DUCTION	AFTER 1 OCT
	PRI OCT	AFT OCT		
INITIAL	6.00	6.00	12.00	18.00
REORDER	6.00	6.00	12.00	18.00

REMARKS:

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: PROJ, 155MM SMOKE WP					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	0	7,183					
COST (M\$)	.168	.215	3.693					

The Projectile, 155mm Smoke White Phosphorus (WP) M105/M110A1 (DODIC D550) is a separate loading projectile used to provide smoke for marking purposes and can be used to provide screening of mechanized or infantry maneuver. The projectile also has a slight incendiary effect and is essentially a hollow steel shell loaded with WP. An explosive burster runs down the center of the entire length of the shell. A point detonating fuze is normally used with this projectile. The ballistics of this shell is the same as the high explosive M107 projectile. The M110A1 projectile is fired from the 155mm M198 Howitzer.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.168	0.215	3.693					
WAR RESERVES	0.000	0.000	0.000					
COST (M\$)	0.168	0.215	3.693					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/
PROCUREMENT, PAN&MC

P-1 NOMENCLATURE:
DEMOLITIONS ALL TYPES

(ALTCODE: 150000)

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	247490	79941	251663					
COST (M\$)	25.611	9.550	2.925					

MARINE CORPS RESERVES (M) \$ S

FY00 FY01 FY02
1.765 .717 .267

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CHG DEMO BLOCK PETN					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	0	2,703					
COST (M\$)	.000	.000	.114					

The Charge, Demolition Block M118 2 Pound Pentaerythritol Tetranitrate (PETN) (DODIC M024) is a general-purpose demolition. It is suitable for underwater use and is particularly effective against steel, concrete, and timber. This explosive sheet can be cut to any desired shape and may be quickly applied to irregular and curved surfaces.

This charge may be detonated by electric blasting caps, non-electric blasting caps, or detonating cord. Each box of the M118 Demolition Blocks comes with 80 blasting cap holders.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.000	0.000	0.114					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.000	0.114					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CHARGE DEMOLITION 1/4LB TNT					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	0	23,925					
COST (M\$)	.000	.000	.128					

The Charge, Demolition Block Trinitrotoluene (TNT) 1/4-Pound (DODIC M030) is a standard demolition charge; however, it is primarily used for training purposes only. There is no model number assigned to this item. TNT charges have a high detonating velocity. The demolition block charge is issued in an olive drab cylindrical waterproof cardboard container. The container has metal ends with a threaded cap well in one end. Each box of 192 charges are provided with 48 M14A1 Priming Adapters.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.000	0.000	0.128					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.000	0.128					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CHARGE, DEMO BLOCK 1 LB TNT					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	179,119	41,475	4,442					
COST (M\$)	.935	.343	.035					

The Charge, Demolition Block Trinitrotoluene (TNT) 1-Pound (DODIC M032) is used for general demolition purposes and is primarily effective as a cutting or breaching charge, except for special steel-cutting charges. There is no model number assigned to this item. TNT charges have a high detonating velocity, and may be used in underwater operations.

This charge is enclosed in an olive drab water-resistant fiberboard container having metal end closures. One end is provided with a cap well to receive an electric or non-electric blasting cap. The cap well is threaded to receive a priming adapter or the standard coupling base on a firing device. NSN 1375-00-935-6139 is provided with 12 M14A1 Priming Adapters.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.935	0.343	0.035					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.935	0.343	0.035					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CAP, BLASTING ELECTRIC					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	0	0	0	0	0	0	0
COST (M\$)	.265	.000	.011					

The Cap, Blasting Electric M6 (DODIC M130) is used for initiating high explosives with a blasting machine or other suitable source of electric power. It is capable of detonating all standard military explosives. This blasting cap is waterproof and can be used in underwater demolition. It is also used as the detonating element in certain land mine fuzes.

The M6 Blasting Cap consists of an aluminum alloy tube containing a compressed charge of RDX or PETN, an immediate charge of lead azide, and an ignition charge. The cap is provided with two shunted (twisted together) plastic-covered copper lead wires, 12 feet in length, that extend through a rubber plug assembly (or rubber and sulfur) into the ignition charge where they are connected with a bridge wire.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.265	0.000	0.011					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.265	0.000	0.011					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CHARGE, ASSEMBLY DEMOLITION					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	46,129	25,720	6,335					
COST (M\$)	22.120	7.447	1.974					

The Charge, Assembly Demolition M183 Comp C-4 (DODIC M757) is used by assault demolition teams in general demolition operations such as reduction of small obstacles, cutting, breaching, and cratering. It is also effective against obstacles such as small dragon's teeth approximately 3-feet high and 3-feet wide at the base. The M183 Charge Assembly consists of 16 M112 Demolition Blocks and 4 M15 Priming Assemblies. Each M112 block is composed of 1-1/4 pounds of Composition C-4. The M15 Priming Assembly is a 5-foot length of detonating cord with two plastic M1 Clips and 2 RDX boosters attached. The boosters, which are about 1/4" in diameter and 2-inches in length contain approximately 13.5 grains of RDX. The priming assembly has two M1 Detonating Cord Clips for fixing the M183 Charge to the main line.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	22.120	7.447	1.974					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	22.120	7.447	1.974					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CHARGE, DEMO FLSC 40 GR/FT					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	0	206					
COST (M\$)	.005	.000	.008					

The Charge, Demolition Flexible Linear Shaped 40 Grains Per Foot (DODIC MM42) is designed for fast and reliable cutting of materials. The DODIC MM42 will cut steel up to 0.05 inches thick, or aluminum up to 0.14 inches thick.

The DODIC MM42 is a continuous explosive core of CH-6 enclosed in a seamless lead sheath. The charge is shaped in the form of an inverted "V" to concentrate an explosive force in a linear cutting action. The charge contains 40 grains per foot of CH-6. The lead sheathing is blue/gray in color and is 6 feet long.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.005	0.000	0.008					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.005	0.000	0.008					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: IGNITER, TIME FUZE BLASTING						
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	0	214,052					
COST (M\$)	.000	.000	.655					

Ingintor, Time Blasting Fuse, M81 with Shock Tube Capability (DODIC MN08) is used to ignite time blasting fuse or to initiate the shock tube of the new shock tube Non-electric blasting caps.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.000	0.000	0.655					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.000	0.655					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/
PROCUREMENT, PAN&MC

P-1 NOMENCLATURE:
NON-LETHAL MUNITIONS

(ALTCODE: 162800)

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	275666	518593	344873					
COST (M\$)	1.903	4.439	4.461					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: CTG 12 GA BEAN BAG						
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	73,585	58,963	46,436					
COST (M\$)	.312	.273	.215					

The Cartridge, 12 Gauge Non-Lethal Bean Bag (DODIC AA29) is intended for use in crowd control situations where the use of non-lethal force is desired. This cartridge is used with the M500 12 gauge pump action shotgun. The cartridge case consists of a brass head containing a primer and propellant charge. The plastic sleeve contains a lead shot-filled fabric or nylon bag weighing between 585-685 grains. The cartridge is assembled with a rolled crimp with end wad.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.312	0.273	0.215					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.312	0.273	0.215					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG. 12 GA GRENADE LAUNCHING					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	15,020	15,058	8,647					
COST (M\$)	.038	.039	.023					

The Cartridge, 12 Gauge Launching for Grenade Non-Lethal (DODIC AA30) is intended for use in crowd control situations where the use of non-lethal force is desired. This cartridge is used in conjunction with the 12-gauge launch cup on the M500 12 gauge pump-action shotgun to launch the rubber ball non-lethal grenade (DODIC GG04). The cartridge case consists of a brass head containing a propellant charge mixture of smokeless powder and black powder in a ratio of approximately 3:1. The cartridge is assembled with a roll crimp with end wad. The plastic sleeve contains a rubber ball.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.038	0.039	0.023					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.038	0.039	0.023					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: CTG, 12 GA RUBBER, FIN STBLZ						
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	60,714	70,948	41,590					
COST (M\$)	.187	.232	.136					

The Cartridge, 12 Gauge Rubber Fin Stabilized Non-Lethal (DODIC AA31) ammunition is intended for use in crowd control situations where the use of non-lethal force is desired. This cartridge is used with the M500 12-gauge pump-action shotgun. The cartridge case consists of a brass head containing a propellant charge mixture of smokeless powder and black powder in a ratio of approximately 3:1. The transparent plastic sleeve contains a rubber, fin stabilized projectile. The cartridge is assembled with a roll crimp with end wad.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.187	0.232	0.136					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.187	0.232	0.136					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 40MM FOAM RUBBER BATON					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	56,726	24,615					
COST (M\$)	.000	.641	.288					

The Cartridge, 40mm Foam Rubber Baton Non-Lethal (DODIC BA07) is intended for use in scenarios where the use of lethal incapacitating force is not warranted. The cartridge is used in M203 Grenade Launchers.

The projectile consists of three foam rubber batons in an aluminum case. Each foam rubber weighs 250-280 grains. The foam rubber batons are separated from the propellant by an over powder wad and a gas check plastic. They are enclosed in the cartridge case by a felt washer and an end wad. The cartridge is sealed with polyurethane and the letter "F" on top of the end wad identifies the cartridge.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.000	0.641	0.288					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.641	0.288					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG,40MM RUBBER BALL					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	170,690	0					
COST (M\$)	.000	2.178	.005					

The Cartridge, 40mm Rubber Ball Non-Lethal (DODIC BA08) is intended for use in scenarios where the use of lethal incapacitating force is not warranted. The cartridge is used in the M203 Grenade Launcher.

The cartridge contains 22 each .60 caliber rubber balls in an aluminum cartridge case. The rubber balls have a nominal velocity of 325 feet/second at a distance of 3 feet from the muzzle of the M203 Grenade Launcher. The cartridge contains a primer and approximately 7.3 grains of double base smokeless propellant. Each rubber ball weighs about 34 grains. The rubber balls are separated from the propellant by an over powder wad and a gas check plastic, and enclosed in the cartridge case by a felt washer and an end wad. The cartridge is sealed with polyurethane and the letter "B" on top of the end wad identifies the cartridge.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.000	2.178	0.005					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	2.178	0.005					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: 12 GA DUMMY INERT						
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	8,791	17,582	17,582					
COST (M\$)	.008	.016	.016					

The Cartridge, 12 Gauge Inert Dummy (DODIC CWDC) is used for training with the M500, M590, and M870 12-gauge Auto-loading and Pump-action Shotguns. The cartridge case consists of a metal (brass or plated steel) head and a plastic sleeve containing lead shot to simulate the weight of a live cartridge.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.008	0.016	0.016					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.008	0.016	0.016					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: GRENADE, HAND, RUBBER BALL					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	28,777	21,097	21,472					
COST (M\$)	.800	.604	.633					

The Grenade, Rubber Ball Non-Lethal 9590 (DODIC GG04) is used in crowd control situations where the use of non-lethal force is desired. The grenade body is a rubber sphere that contains a fuze well liner and is filled with a minimum of 100 rubber ball fragments. The rubber ball fragments have a minimum diameter of 0.25 inches. The grenade fuze is a M201A1-1 Pyrotechnic Delay-igniting Fuze. The fuze assembled contains a striker, striker spring, safety lever, safety pin with pull ring, and a detonator assembly. The split end of the safety pin has an angular spread. Safety clips are not required with these grenades.

Removal of the safety pin permits release of the safety lever. When the safety lever is released, a striker acting under the force of a striker spring forces it away from the grenade body. The striker rotates on its own axis and strikes the percussion primer. The primer initiates the fuze delay element, which in turn initiates the detonator assembly.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.800	0.604	0.633					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.800	0.604	0.633					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: GRENADE, HAND, PRACTICE					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	20,459	14,914	25,137					
COST (M\$)	.214	.156	.276					

The Grenade, Practice Body Non-Lethal (DODIC GG05) is the practice version of DODIC GG04. The grenade body is a rubber sphere that contains a fuze well liner and is filled with .50 caliber rubber pellets. The rubber ball pellets remain within the body. The grenade body was designed to be utilized with the M201A1-1 Pyrotechnic Delay-igniting Fuze (DODIC G874).

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.214	0.156	0.276					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.214	0.156	0.276					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: FUZE, GRENADE DETONATING					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	68,320	92,615	67,849					
COST (M\$)	.344	.300	.287					

The Fuze, Hand Grenade M201A1/M201A1-1 (DODIC G874) is a pyrotechnic delay-igniting fuze. The body contains a primer, first-fire mixture, pyrotechnic delay column, and ignition mixture. Assembled to the body are a striker, striker spring, safety lever and safety pin with pull ring. The split end of the safety pin has an angular spread. The M201A1 (NSN 1330-00-293-9516) is used on smoke and incendiary grenades. The M201A1-1 (1330-01-456-5059) is used on the Grenade, Practice Body Non-Lethal (DODIC GG05).

Removal of the safety pin permits release of the safety lever. When the safety lever is released, a striker acting under the force of a striker spring forces it away from the grenade body. The striker rotates on its own axis and strikes the percussion primer. This action initiates the delay element and ignition charge.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.344	0.300	0.287					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.344	0.300	0.287					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: LVOS						
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	0	8,500					
COST (M\$)	.000	.000	.935					

The 66mm Light Vehicle Obstruction Smoke (LVOS) is intended for use in crowd control situations where the use of Non-Lethal force is desired. This item is a Joint Non-Lethal Weapons Directorate initiative.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.000	0.000	0.935					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.000	0.935					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: MOD CROWD CONTROL MUNITIONS						
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	0	692					
COST (M\$)	.000	.000	.247					

The Modular Crowd Control Munitions (MCCM) is intended for use in crowd control situations where the use of non-lethal force is desired. The MCCM is designed to stop, confuse, disorient and/or temporarily incapacitate area targets at close range. This item is a Joint Non-Lethal Weapons Directorate initiative.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.000	0.000	0.247					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.000	0.247					

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: NLCD						
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	0	82,353					
COST (M\$)	.000	.000	1.400					

The 40mm NL Crowd Dispersal Cartridge (NLCD) is a 40mm cartridge designed to deter, delay and/or distract for crowd control. The NLCD is intended for use in crowd control situations where the use of Non-Lethal force is desired. This item is a Joint Non-Lethal Weapons Directorate initiative.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.000	0.000	1.400					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.000	1.400					

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DATE: June 2001

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: AMMO MOD						
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	0	0	0	0	0	0	0
COST (M\$)	10.409	6.837	7.019					

Ammunition modernization (Ammo Mod) consists of the procurement of components, end item modernization, repacking of modernized material and upgrading ammunition stocks suspended from use, and/or declared unsafe or unserviceable. Items schedule, in FY02 include small arms, 40mm, 81mm, 155mm, mines, grenades, demolition, and missiles.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	10.409	6.837	7.019					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	10.409	6.837	7.019					

PROGRAM COST BREAK-DOWN

APPROPRIATION/ PAN&MC
PROCUREMENT

P-1 ITEM NOMENCLATURE
AMMO MOD (163000)

ELEMENT OF COST	IDEN CODE	(TOTAL COST IN MILLIONS OF DOLLARS)							
		FY - 2000		FY - 2001		FY - 2002		FY - 2003	
		QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
A000	AMMO MOD	0	10.409	0	6.837	0	7.019	0	0.000
AM05	MISSILE COMP AMMO MOD	0	0.000	0	0.000	0	0.000	0	0.000
AX14	PRIMER, PERCUSSION 12 GAGE	0	0.000	0	0.000	0	0.000	0	0.000
	TOTAL VALUE		10.409		6.837		7.019		0.000

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/
PROCUREMENT, PAN&MC

P-1 NOMENCLATURE:
ITEMS LESS THAN \$5 MILLION

(ALTCODE: 166000)

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	102325	239362	1127796					
COST (M\$)	1.358	0.943	1.014					

MARINE CORPS RESERVES (M) \$ S

FY00 FY01 FY02
.002 .013 .120

PROGRAM COST BREAK-DOWN

APPROPRIATION/ PAN&MC PROCUREMENT		P-1 ITEM NOMENCLATURE ITEMS LESS THAN \$5 MILLION (166000)							
ELEMENT OF COST	IDEN CODE	FY - 2000		(TOTAL COST IN MILLIONS OF DOLLARS)				FY - 2003	
		QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
A023	CTG 12 GAGE SLUG	0	0.005	0	0.000	0	0.000	0	0.000
A001	RIFLE TEAM AMMUNITION	0	0.170	0	0.189	0	0.187	0	0.000
A011	CTG, 12 GAGE #00 BUCKSHOT	0	0.000	239344	0.146	1127778	0.409	0	0.000
A024	CTG, 12 GAGE LOCKBUSTER	102308	0.266	0	0.000	0	0.000	0	0.000
LIDD	LIDD	0	0.000	0	0.191	0	0.000	0	0.000
MN01	SCENT KIT EXPL DETECT DOG	17	0.016	18	0.018	18	0.018	0	0.000
MSGB	MARINE SECURITY GUARD BATTALION AT	0	0.400	0	0.399	0	0.400	0	0.000
A475	CTG, CAL .45 BALL	0	0.000	0	0.000	0	0.000	0	0.000
FDTC	FIRST DEST TRANS CHARGE	0	0.501	0	0.000	0	0.000	0	0.000
	TOTAL VALUE		1.358		0.943		1.014		0.000

BUDGET ITEM JUSTIFICATION SHEET

DATE: June 2001

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: CAWCF CLOSURE						
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
QUANTITY	0	0	0	0	0	0	0	0
COST (M\$)	.000	7.288	7.200					

This item is to fund the Marine Corps' portion of the Conventional Ammunition Working Capital Fund closure costs, in accordance with Program Budget Decision (PBD) 432 of November 1996.

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
CONSUMPTION	0.000	7.288	7.200					
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	7.288	7.200					