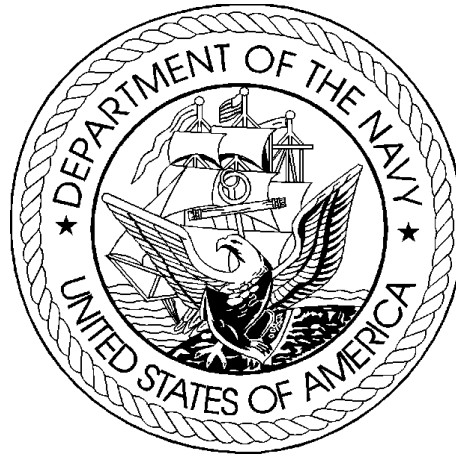


DEPARTMENT OF THE NAVY
FISCAL YEAR (FY) 2004/2005
BIENNIAL BUDGET ESTIMATES



JUSTIFICATION OF ESTIMATES
FEBRUARY 2003

PROCUREMENT OF AMMUNITION,
NAVY AND MARINE CORPS
BUDGET ACTIVITY 2

UNCLASSIFIED

Department of the Navy

FY 2004/2005 Procurement Program

Exhibit P-1

APPROPRIATION: 1508N Procurement of Ammunition, Navy/Marine Corps

DATE: February 2003

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) UNIT COST	TOA, \$ IN MILLIONS								S E C		
				-----FY 2002-----	-----FY 2003-----	-----FY 2004-----	-----FY 2005-----	QUANTITY	COST	QUANTITY	COST		QUANTITY	COST
BUDGET ACTIVITY 02: Marine Corps Ammunition														

Marine Corps Ammunition														
19	1010 5.56 MM, All Types	A			14.3		31.1		24.6				32.7	U
20	1020 7.62 MM, All Types	A			7.3		7.0		6.4				6.4	U
21	1030 Linear Charges, All Types	A			17.9		39.9		36.6				15.6	U
22	1040 .50 Caliber	A			6.6		10.6		10.2				6.4	U
23	1050 40 MM, All Types	A			5.7		11.7		10.2				24.3	U
24	1080 60 MM HE M888	A			.*		-		-				-	U
25	1083 60MM, All Types				.4		2.2		6.1				10.7	U
26	1091 81MM, All Types	A			.6		30.9		19.4				20.2	U
27	1121 120MM, All Types	A			20.1		43.7		18.7				15.9	U
28	1193 Fuze, ET, XM762	A			1.4		-		-				-	U
29	1388 CTG 25MM, All Types	A			5.7		6.5		3.9				3.9	U
30	1428 9 MM All Types	A			4.8		1.9		2.7				6.5	U
31	1468 Grenades, All Types	A			11.5		11.2		7.9				5.2	U
32	1470 STINGER SLEP				-		1.6		-				-	U
33	1471 Rockets, All Types	A			13.8		18.5		15.5				14.4	U
34	1473 Artillery, All Types				18.2		45.9		49.8				57.3	U
35	1475 AAV				-		-		-				2.5	U
36	1500 Demolition Munitions, All Typ	A			4.5		4.0		3.8				3.4	U
37	1625 FUZE, All Types	A			-		.6		4.4				14.2	U
38	1628 Non Lethals	B			4.2		5.3		3.7				4.2	U

* ITEMS UNDER \$50,000

UNCLASSIFIED

Department of the Navy

FY 2004/2005 Procurement Program

Exhibit P-1

APPROPRIATION: 1508N Procurement of Ammunition, Navy/Marine Corps

DATE: February 2003

TOA, \$ IN MILLIONS												
LINE		IDENT	(DOLLARS)	-----FY 2002----		-----FY 2003----		-----FY 2004----		-----FY 2005----		S
NO	ITEM NOMENCLATURE	CODE	FY 2004	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	E
----	-----	----	UNIT COST	-----	-----	-----	-----	-----	-----	-----	-----	C
----	-----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
39	1630 Ammo Modernization	A			7.1		6.9		7.1		7.3	U
40	1660 Items less than \$5 million				2.7		1.6		1.6		1.8	U
	TOTAL Marine Corps Ammunition				146.7		281.0		232.4		252.7	

* ITEMS UNDER \$50,000

**Fiscal Year 2004/2005 Budget Estimates
Budget Appendix Extract Language**

**PROCUREMENT OF AMMUNITION, NAVY and MARINE CORPS
(PANMC)**

For construction, procurement, production, and modification of ammunition, and accessories therefor; specialized equipment and training devices; expansion of public and private plants, including ammunition facilities authorized by section 2854 of title 10, United States Code, and the land necessary therefor, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes, [\$1,165,730,000] \$922,355,000, to remain available for obligation until September 30, [2005] 2006, of which \$25,809,000 shall be available for the Navy Reserve and Marine Corps Reserve. (*Department of Defense Appropriations Act, 2003.*)

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: CTG, 5.56MM ALL TYPES							(ALTCODE: 101000)
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	
QUANTITY									
COST (M\$)	14.280	31.058	24.618	32.667	38.756	33.231	37.576	34.027	

MARINE CORPS RESERVES (M) \$ S

FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09
0.636	1.457	1.154	1.532	1.818	1.558	1.533	1.596

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 5.56MM 4 & 1 LINKED					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	8,204,651	4,516,129	1,121,212	14,969,697	9,775,000	9,064,706	19,142,858	13,113,889
COST (M\$)	3.528	1.400	.370	4.940	3.128	3.082	6.700	4.721

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 cartridges are linked with M27 Links. The M855 and M856 cartridges consists of a brass cartridge case, a primer and propellant. The M855 Ball cartridge has a green bullet tip for identification. The M856 Tracer cartridge has an orange bullet tip for identification. The M856 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.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	3.528	1.400	0.370	4.940	3.128	3.082	6.700	4.721
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	3.528	1.400	0.370	4.940	3.128	3.082	6.700	4.721

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 5.56MM BLANK LINKED					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	6,281,081	8,350,000	10,652,174	8,571,429	8,275,862	8,620,690	8,666,667	9,677,419
COST (M\$)	2.324	2.672	2.450	2.400	2.400	2.500	2.600	3.000

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 and cartridge is identified by a rosette crimp closure of the cartridge mouth.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	2.324	2.672	2.450	2.400	2.400	2.500	2.600	3.000
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	2.324	2.672	2.450	2.400	2.400	2.500	2.600	3.000

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 5.56MM BLANK					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	14,850,000	9,900,000	18,427,272	30,100,000	18,427,272	18,425,000	18,333,334	18,333,334
COST (M\$)	1.485	.990	2.027	3.311	2.027	2.211	2.200	2.200

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 cartridge can be identified by a rosette crimp closure of the cartridge mouth.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	1.485	0.990	2.027	3.311	2.027	2.211	2.200	2.200
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	1.485	0.990	2.027	3.311	2.027	2.211	2.200	2.200

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: 5.56MM FRANGIBLE					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	0	1,523,333	1,287,879	1,350,000	1,372,500	1,000,000	1,000,000	1,000,000
COST (M\$)	.000	.457	.425	.540	.549	.570	.570	.570

The Cartridge, 5.56mm Jacketed Frangible (DODIC AA40) 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, gas cutting into barrel, and the double base propellant is clean burning.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.000	0.457	0.425	0.540	0.549	0.570	0.570	0.570
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.457	0.425	0.540	0.549	0.570	0.570	0.570

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: CTG, 5.56MM BALL M855, NO LEAD						
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	0	64,576,316	60,456,248	65,078,788	90,152,944	73,141,176	72,874,288	67,245,712
COST (M\$)	.000	24.539	19.346	21.476	30.652	24.868	25.506	23.536

The Cartridge, 5.56mm Ball M855 10/Clip Military pack GREEN AMMO (DODIC AA45 replacing A059) will be the primary ball ammunition for the M16A2 Rifle and can be used in the M249 Squad Automatic Weapon (SAW) with a magazine. The M855 Cartridge consists of a brass case, a primer, propellant, and a bullet. The projectile is a pressed tungsten/tin, tungsten/nylon projectile. The current cartridge still contains a lead primer.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.000	24.539	19.346	21.476	30.652	24.868	25.506	23.536
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	24.539	19.346	21.476	30.652	24.868	25.506	23.536

AMMUNITION COST ANALYSIS (DOLLARS IN : THOUSANDS)

DATE: FEB 2003
 NSN: 1305-01-467-3033
 (AA45)

APPROPRIATION BUDGET ACTIVITY:
 PROCUREMENT AMMUNITION, OPERATIONS SUPPORT COMMAND

P-1 ITEM NOMENCLATURE:
 CTG, 5.56MM BALL M855, NO LEAD

ELEMENT OF COST QM: EA	FY 2002 (QTY 0)			FY 2003 (QTY 64576316)			FY 2004 (QTY 60456248)			FY 2005 (QTY 65078788)		
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL
HARDWARE												
1. CTG 5.56MM BALL M855 GREEN	0	0.00	0	64,576,316	0.37	23907	60,456,248	0.31	18848	65,078,788	0.32	20923
2. BOX METAL M2A1(EA)	0	0.00	0	76,560	6.36	487	71,675	5.36	384	77,156	5.52	426
SUBTOTAL			0			24394			19232			21349
PRODUCT												
1. PRODUCTION ENGINEERING			0			35			28			31
2. QUALITY ASSURANCE			0			79			62			69
3. INDUSTRIAL STOCK SUPPORT			0			31			24			27
SUBTOTAL			0			145			114			127

TOTAL P-1 LINE ITEM		0.00	0		0.38	24539		0.32	19346		0.33	21476

PROCUREMENT HISTORY & PLANNING

DATE: FEB 2003

APPROPRIATION/BUDGET ACTIVITY
 PROCUREMENT AMMUNITION, PAN&MC

P-1 ITEM NOMENCLATURE
 CTG, 5.56MM BALL M855, NO LEAD

NSN: 1305-01-467-3033
 (AA45)

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. CTG 5.56MM BALL M855 GREEN										
FY 2003	ALLIANT (LCAAP). MO	SS/FP	OSC	JAN 03	SEP 03	64576316	0.37	YES	NO	00
FY 2004	ALLIANT (LCAAP). MO	SS/FP	OSC	JAN 04	SEP 04	60456248	0.31	YES	NO	00
FY 2005	ALLIANT (LCAAP). MO	SS/FP	OSC	JAN 05	SEP 05	65078788	0.32	YES	NO	00
2. BOX METAL M2A1(EA)										
FY 2003	ALLIANT (LCAAP). MO	C/FP	OSC	JAN 03	AUG 03	76560	6.36	YES	NO	00
FY 2004	ALLIANT (LCAAP). MO	C/FP	OSC	JAN 04	AUG 04	71675	5.36	YES	NO	00
FY 2005	ALLIANT (LCAAP). MO	C/FP	OSC	JAN 05	AUG 05	77156	5.52	YES	NO	00

Remarks:

ASSET DYNAMICS

DATE: FEB 2003

TMR : 187,553,998
 ACQUISITION OBJECTIVE : 187,553,998
 LEADTIME : 13

DODIC: AA45
 DESCRIPTION: CTG, 5.56MM ALL TYPES

	30 SEPT 2001	FY 2002 FDP	FY 2003 FDP	FY 2004 FDP	FY 2005 FDP	FY 2006 FDP	FY 2007 FDP	FY 2008 FDP	FY 2009 FDP
BUY SUMMARY:									
UNIT PRICE:		0.00	0.38	0.32	0.33	0.34	0.34	0.35	0.35
TOTAL PRICE:		\$0	\$24,539,000	\$19,346,000	\$21,476,000	\$30,652,000	\$24,868,000	\$25,506,000	\$23,536,000
FY BUDGET QTY:		0	64,576,316	60,456,248	65,078,788	90,152,944	73,141,176	72,874,288	67,245,712
GAINS:									
FDP DELIVERIES:		0	0	59,194,956	60,799,587	64,693,576	88,063,431	74,558,823	72,896,529
OTHER (01 & PRIOR):		0	0	0	0	0	0	0	0
TOTAL:		0	0	59,194,956	60,799,587	64,693,576	88,063,431	74,558,823	72,896,529
LOSSES:									
COMBAT:		0	0	0	0	0	0	0	0
COMBAT ALLIES:		0	0	0	0	0	0	0	0
PEACETIME:		0	0	0	0	29,624,709	70,336,523	70,336,523	70,336,523
TESTING:		0	0	0	0	0	517,280	0	0
SALES:		0	0	0	0	0	0	0	0
OTHER:		0	0	0	0	0	0	0	0
TOTAL:		0	0	0	0	29,624,709	70,853,803	70,336,523	70,336,523
NET CHANGE (+/-)		0	0	59,194,956	60,799,587	35,068,867	17,209,628	4,222,300	2,560,006
ASSET POSITION:									
STD SERVICEABLE:	0	0	0	59,194,956	119,994,543	155,063,410	172,273,038	176,495,338	179,055,344
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	59,194,956	119,994,543	155,063,410	172,273,038	176,495,338	179,055,344
\$ VALUE:	0	\$0	\$0	\$18,942,386	\$39,598,199	\$52,721,559	\$58,572,833	\$61,773,368	\$62,669,370
RECOMMENDED BUY QTY	187,553,998	187,553,998	187,553,998	128,359,042	67,559,455	32,490,588	15,280,960	11,058,660	8,498,654
\$ VALUE:	\$0	\$0	\$71,270,519	\$41,074,893	\$22,294,620	\$11,046,800	\$5,195,526	\$3,870,531	\$2,974,529
DEFICIENCY A.O.	187,553,998	187,553,998	187,553,998	128,359,042	67,559,455	32,490,588	15,280,960	11,058,660	8,498,654
\$ VALUE:	\$0	\$0	\$71,270,519	\$41,074,893	\$22,294,620	\$11,046,800	\$5,195,526	\$3,870,531	\$2,974,529
PERCENT OF OBJECTIVE:	0%	0%	0%	32%	64%	83%	92%	94%	95%

Remarks:

EXPENDITURE DATA: FY97 FY98 FY99 FY00 FY01 SUBSTITUTES:
 0 0 0 0 0
 SUMMARY ITEM READINESS QTY
 WRMR (WAR RESERVE REQ) 117217475
 BLI NO. 101000

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/
PROCUREMENT, PAN&MC

P-1 NOMENCLATURE:
CTG, 7.62MM ALL TYPES

(ALTCODE: 102000)

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY								
COST (M\$)	7.289	6.955	6.351	6.410	9.672	8.088	11.843	8.318

MARINE CORPS RESERVES (M) \$ S

FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09
0.548	0.525	0.479	0.484	0.730	0.610	0.672	0.628

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 7.62MM BLANK LINKED					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	0	900,000	5,192,308	4,814,815	4,821,429	4,821,429	5,689,655	0
COST (M\$)	.046	.225	1.350	1.300	1.350	1.350	1.650	.000

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 cartridge 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.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.046	0.225	1.350	1.300	1.350	1.350	1.650	0.000
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.046	0.225	1.350	1.300	1.350	1.350	1.650	0.000

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 7.62MM 4 & 1 LINKED					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	13,641,667	13,708,333	10,290,909	10,054,348	12,368,085	9,483,333	15,512,245	9,636,000
COST (M\$)	6.548	6.580	4.528	4.625	5.813	4.552	7.601	4.818

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 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	6.548	6.580	4.528	4.625	5.813	4.552	7.601	4.818
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	6.548	6.580	4.528	4.625	5.813	4.552	7.601	4.818

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 7.62MM BALL LONG RANGE					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	1,478,723	211,268	909,615	898,148	667,857	670,175	1,038,597	847,458
COST (M\$)	.695	.150	.473	.485	.374	.382	.592	.500

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, and has an unpainted bullet.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.695	0.150	0.473	0.485	0.374	0.382	0.592	0.500
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.695	0.150	0.473	0.485	0.374	0.382	0.592	0.500

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: LINEAR CHARGES ALL TYPES							(ALTCODE: 103000)
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	
QUANTITY									
COST (M\$)	17.867	39.926	36.552	15.618	11.179	29.969	37.304	31.973	

MARINE COPRS RESERVES (M) \$ S

FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09
1.933	4.284	3.926	1.676	1.199	3.215	2.956	3.431

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CHARGE, DEMO LINEAR HE					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	102	308	590	324	222	450	386	324
COST (M\$)	3.648	9.887	17.000	9.670	6.724	13.846	12.123	10.406

The Linear Demolition Charge M59A1 (DODIC ML25) is a rocket-towed, linear demolition charge designed to clear a path for combat vehicles and personnel through minefield and barrier breaching operations. The M59A1 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 and the demolition section 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.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	3.648	9.887	17.000	9.670	6.724	13.846	12.123	10.406
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	3.648	9.887	17.000	9.670	6.724	13.846	12.123	10.406

AMMUNITION COST ANALYSIS (DOLLARS IN : THOUSANDS)

DATE: 01/31/03
 NSN: 1375-01-291-5194
 (ML25)

APPROPRIATION BUDGET ACTIVITY:
 PROCUREMENT AMMUNITION, OPERATIONS SUPPORT COMMAND

P-1 ITEM NOMENCLATURE:
 CHARGE, DEMO LINEAR HE

ELEMENT OF COST QM: EA	FY 2002 (QTY 102)			FY 2003 (QTY 308)			FY 2004 (QTY 590)			FY 2005 (QTY 324)		
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL
HARDWARE												
1. CHARGE DEMO FLEX LINEAR HE C4	102	17,284.31	1763	308	15,519.48	4780	590	13,928.81	8218	324	14,429.01	4675
2. COMP C-4 CLASS 3(LB)	193,800	9.02	1748	585,200	8.10	4739	1,121,000	7.27	8150	615,600	7.53	4635
3. FUZE ELECTRIC M1134A4(EA)	102	441.18	45	308	399.35	123	590	357.63	211	324	370.37	120
SUBTOTAL			3556			9642			16579			9430
PRODUCT												
1. PRODUCTION ENGINEERING			44			115			198			113
2. QUALITY ASSURANCE			30			80			138			78
3. ACCEPTANCE TESTING			7			20			34			20
4. INTERIM TRANSPORTATION			1			2			3			2
5. INDUSTRIAL STOCK SUPPORT			10			28			48			27
SUBTOTAL			92			245			421			240

TOTAL P-1 LINE ITEM		35,668.95	3648		32,118.37	9887		28,832.81	17000		29,805.54	9670

PROCUREMENT HISTORY & PLANNING

DATE: 01/31/03

APPROPRIATION/BUDGET ACTIVITY
 PROCUREMENT AMMUNITION, PAN&MC

P-1 ITEM NOMENCLATURE
 CHARGE, DEMO LINEAR HE

NSN: 1375-01-291-5194
 (ML25)

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. CHARGE DEMO FLEX LINEAR HE C4										
FY 2002	AMERICAN ORDNANCE MILAN, TN	C/FP	OSC	MAR 02	JUL 03	102	17,284.31	YES	NO	00
FY 2003	AMERICAN ORDNANCE MILAN, TN	C/FP	OSC	MAR 03	JUL 04	308	15,519.48	YES	NO	00
FY 2004	AMERICAN ORDNANCE MILAN, TN	C/FP	OSC	MAR 04	JUL 05	590	13,928.81	YES	NO	00
FY 2005	AMERICAN ORDNANCE MILAN, TN	C/FP	OSC	MAR 05	JUL 06	324	14,429.01	YES	NO	00
2. COMP C-4 CLASS 3(LB)										
FY 2002	RONA HOLSTON ARLINGTON, VA	C/FP	OSC	MAR 02	JUL 03	193800	9.02	YES	NO	00
FY 2003	RONA HOLSTON ARLINGTON, VA	C/FP	OSC	MAR 03	JUL 04	585200	8.10	YES	NO	00
FY 2004	RONA HOLSTON ARLINGTON, VA	C/FP	OSC	MAR 04	JUL 05	1121000	7.27	YES	NO	00
FY 2005	RONA HOLSTON ARLINGTON, VA	C/FP	OSC	MAR 05	JUL 06	615600	7.53	YES	NO	00
3. FUZE ELECTRIC M1134A4(EA)										
FY 2002	CRANE AAA CRANE, IN	C/FP	OSC	MAR 02	JUL 03	102	441.18	YES	NO	00
FY 2003	CRANE AAA CRANE, IN	C/FP	OSC	MAR 03	JUL 04	308	399.35	YES	NO	00
FY 2004	CRANE AAA CRANE, IN	C/FP	OSC	MAR 04	JUL 05	590	357.63	YES	NO	00
FY 2005	CRANE AAA CRANE, IN	C/FP	OSC	MAR 05	JUL 06	324	370.37	YES	NO	00

Remarks:

TMR : 6,181
 ACQUISITION OBJECTIVE : 6,181
 LEADTIME : 23

DODIC: ML25
 DESCRIPTION: LINEAR CHARGES ALL TYPES

	30 SEPT 2001	FY 2002 FDP	FY 2003 FDP	FY 2004 FDP	FY 2005 FDP	FY 2006 FDP	FY 2007 FDP	FY 2008 FDP	FY 2009 FDP
BUY SUMMARY:									
UNIT PRICE:		35,668.95	32,118.37	28,832.81	29,805.54	30,340.25	30,751.40	31,415.84	32,126.05
TOTAL PRICE:		\$3,648,000	\$9,887,000	\$17,000,000	\$9,670,000	\$6,724,000	\$13,846,000	\$12,123,000	\$10,406,000
FY BUDGET QTY:		102	308	590	324	222	450	386	324
GAINS:									
FDP DELIVERIES:		0	9	119	331	568	316	241	445
OTHER (01 & PRIOR):		335	616	0	0	0	0	0	0
TOTAL:		335	625	119	331	568	316	241	445
LOSSES:									
COMBAT:		0	0	0	0	0	0	0	0
COMBAT ALLIES:		0	0	0	0	0	0	0	0
PEACETIME:		46	46	46	46	46	46	46	46
TESTING:		0	0	0	0	22	0	0	0
SALES:		0	0	0	0	0	0	0	0
OTHER:		0	0	0	0	0	0	0	0
TOTAL:		46	46	46	46	68	46	46	46
NET CHANGE (+/-)		289	579	73	285	500	270	195	399
ASSET POSITION:									
STD SERVICEABLE:	1,831	2,120	2,699	2,772	3,057	3,557	3,827	4,022	4,421
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:	1,831	2,120	2,699	2,772	3,057	3,557	3,827	4,022	4,421
\$ VALUE:	0	\$75,618,174	\$86,687,481	\$79,924,549	\$91,115,536	\$107,920,269	\$117,685,608	\$126,354,508	\$142,029,267
RECOMMENDED BUY QTY	4,350	4,061	3,482	3,409	3,124	2,624	2,354	2,159	1,760
\$ VALUE:	\$0	\$144,851,606	\$111,836,164	\$98,291,049	\$93,112,507	\$79,612,816	\$72,388,796	\$67,826,799	\$56,541,848
DEFICIENCY A.O.	4,350	4,061	3,482	3,409	3,124	2,624	2,354	2,159	1,760
\$ VALUE:	\$0	\$144,851,606	\$111,836,164	\$98,291,049	\$93,112,507	\$79,612,816	\$72,388,796	\$67,826,799	\$56,541,848
PERCENT OF OBJECTIVE:	30%	34%	44%	45%	49%	58%	62%	65%	72%

Remarks:
 EXPENDITURE DATA: FY97 FY98 FY99 FY00 FY01 SUBSTITUTES. 24 20
 57 40 44 IO
 SUMMARY ITEM READINESS QTY
 WRMR (WAR RESERVE REQ) 6113
 PIPELINE (313 DAYS OF THE TRAINING REQ) 0

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CHARGE, DEMO LINEAR HE					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	121	148	587	130	10	400	684	562
COST (M\$)	4.286	4.792	16.553	3.948	.455	12.123	21.181	17.567

The Charge, Demolition High Explosive Linear M58A4 (DODIC M913) is a trailer-mounted and rocket-towed linear demolition charge designed to clear a path for combat vehicles and personnel through 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 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.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	4.286	4.792	16.553	3.948	0.455	12.123	21.181	17.567
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	4.286	4.792	16.553	3.948	0.455	12.123	21.181	17.567

AMMUNITION COST ANALYSIS (DOLLARS IN : THOUSANDS)

DATE: 01/31/03
 NSN: 1375-01-326-9642
 (M913)

APPROPRIATION BUDGET ACTIVITY:
 PROCUREMENT AMMUNITION, OPERATIONS SUPPORT COMMAND

P-1 ITEM NOMENCLATURE:
 HG DEMO LINEAR HE

ELEMENT OF COST QM: EA	FY 2002 (QTY 121)			FY 2003 (QTY 148)			FY 2004 (QTY 587)			FY 2005 (QTY 130)		
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL
HARDWARE												
1. CHG DEMO LINEAR M58 SERIES A4	121	16,983.47	2055	148	15,527.03	2298	587	13,519.59	7936	130	14,561.54	1893
2. COMP C-4 CLASS 3(LB)	241,052	8.86	2136	294,840	8.10	2388	1,133,949	7.27	8244	258,981	7.60	1968
3. FUZE ELECTRIC M1134A4(EA)	121	438.02	53	148	398.65	59	587	349.23	205	130	376.92	49
SUBTOTAL			4244			4745			16385			3910
PRODUCT												
1. PRODUCTION ENGINEERING			37			41			148			33
2. QUALITY ASSURANCE			2			3			8			2
3. ACCEPTANCE TESTING			1			1			4			1
4. INTERIM TRANSPORTATION			1			1			4			1
5. INDUSTRIAL STOCK SUPPORT			1			1			4			1
SUBTOTAL			42			47			168			38

TOTAL P-1 LINE ITEM		35,322.59	4286		32,441.79	4792		28,186.27	16553		30,475.74	3948

PROCUREMENT HISTORY & PLANNING

DATE: 01/31/03

APPROPRIATION/BUDGET ACTIVITY
 PROCUREMENT AMMUNITION, PAN&MC

P-1 ITEM NOMENCLATURE
 CHARGE, DEMO LINEAR HE

NSN: 1375-01-326-9642
 (M913)

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. CHG DEMO LINEAR M58 SERIES A4										
FY 2002	AMERICAN ORDNANCE MILAN, TN	C/FP	OSC	MAR 02	JUL 03	121	16,983.47	YES	NO	00
FY 2003	AMERICAN ORDNANCE MILAN, TN	C/FP	OSC	MAR 03	JUL 04	148	15,527.03	YES	NO	00
FY 2004	AMERICAN ORDNANCE MILAN, TN	C/FP	OSC	MAR 04	JUL 05	587	13,519.59	YES	NO	00
FY 2005	AMERICAN ORDNANCE MILAN, TN	C/FP	OSC	MAR 05	JUL 06	130	14,561.54	YES	NO	00
2. COMP C-4 CLASS 3(LB)										
FY 2002	RONA HOLSTON ARLINGTON, VA	C/FP	OSC	DEC 01	DEC 02	241052	8.86	YES	NO	00
FY 2003	RONA HOLSTON ARLINGTON, VA	C/FP	OSC	DEC 02	DEC 03	294840	8.10	YES	NO	00
FY 2004	RONA HOLSTON ARLINGTON, VA	C/FP	OSC	DEC 03	DEC 04	1133949	7.27	YES	NO	00
FY 2005	RONA HOLSTON ARLINGTON, VA	C/FP	OSC	DEC 04	DEC 05	258981	7.60	YES	NO	00
3. FUZE ELECTRIC M1134A4(EA)										
FY 2002	CRANE AAA CRANE, IN	C/FP	OSC	FEB 02	FEB 03	121	438.02	YES	NO	00
FY 2003	CRANE AAA CRANE, IN	C/FP	OSC	FEB 03	FEB 04	148	398.65	YES	NO	00
FY 2004	CRANE AAA CRANE, IN	C/FP	OSC	FEB 04	FEB 05	587	349.23	YES	NO	00
FY 2005	CRANE AAA CRANE, IN	C/FP	OSC	FEB 05	FEB 06	130	376.92	YES	NO	00

Remarks:

TMR : 7,350
 ACQUISITION OBJECTIVE : 7,350
 LEADTIME : 23

DODIC: M913
 DESCRIPTION: LINEAR CHARGES ALL TYPES

	30 SEPT 2001	FY 2002 FDP	FY 2003 FDP	FY 2004 FDP	FY 2005 FDP	FY 2006 FDP	FY 2007 FDP	FY 2008 FDP	FY 2009 FDP
BUY SUMMARY:									
UNIT PRICE:		35,322.59	32,441.79	28,186.27	30,475.74	43,637.23	30,324.22	30,946.20	31,240.27
TOTAL PRICE:		\$4,286,000	\$4,792,000	\$16,553,000	\$3,948,000	\$455,000	\$12,123,000	\$21,181,000	\$17,567,000
FY BUDGET QTY:		121	148	587	130	10	400	684	562
GAINS:									
FDP DELIVERIES:		0	10	123	185	549	120	42	424
OTHER (01 & PRIOR):		869	783	0	0	0	0	0	0
TOTAL:		869	793	123	185	549	120	42	424
LOSSES:									
COMBAT:		0	0	0	0	0	0	0	0
COMBAT ALLIES:		0	0	0	0	0	0	0	0
PEACETIME:		110	107	107	107	107	107	107	107
TESTING:		0	0	0	0	48	0	0	0
SALES:		0	0	0	0	0	0	0	0
OTHER:		0	0	0	0	0	0	0	0
TOTAL:		110	107	107	107	155	107	107	107
NET CHANGE (+/-)		759	686	16	78	394	13	-65	317
ASSET POSITION:									
STD SERVICEABLE:	1,852	2,611	3,297	3,313	3,391	3,785	3,798	3,733	4,050
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:	1,852	2,611	3,297	3,313	3,391	3,785	3,798	3,733	4,050
\$ VALUE:	0	\$92,227,282	\$106,960,582	\$93,381,113	\$103,343,234	\$165,166,916	\$115,171,388	\$115,522,165	\$126,523,094
RECOMMENDED BUY QTY	5,498	4,739	4,053	4,037	3,959	3,565	3,552	3,617	3,300
\$ VALUE:	\$0	\$167,393,754	\$131,486,575	\$113,787,972	\$120,653,455	\$155,566,725	\$107,711,629	\$111,932,405	\$103,092,891
DEFICIENCY A.O.	5,498	4,739	4,053	4,037	3,959	3,565	3,552	3,617	3,300
\$ VALUE:	\$0	\$167,393,754	\$131,486,575	\$113,787,972	\$120,653,455	\$155,566,725	\$107,711,629	\$111,932,405	\$103,092,891
PERCENT OF OBJECTIVE:	25%	36%	45%	45%	46%	51%	52%	51%	55%

Remarks:

EXPENDITURE DATA: FY97 FY98 FY99 FY00 FY01 SUBSTITUTES
 165 133 96 86 103 IO

SUMMARY ITEM READINESS QTY
 WRMR (WAR RESERVE REQ) 7195
 PIPELINE (313 DAYS OF THE TRAINING REQ) 0

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: ROCKET MOTOR, 5 INCH					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	433	1,577	243	239	469	461	452	444
COST (M\$)	3.520	12.955	1.999	2.000	4.000	4.000	4.000	4.000

The MK22 rocket motor is used to propel the linear demolition charge, which is used to clear a path for combat vehicles and personnel through minefields or other obstacles. The motor consists of a rocket motor body, front closure, cable guide, two "t" brackets and nozzles. The rocket motor body contains the propellant and igniter.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	3.520	12.955	1.999	2.000	4.000	4.000	4.000	4.000
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	3.520	12.955	1.999	2.000	4.000	4.000	4.000	4.000

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: DEMO KIT APOBS INERT						
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	0	93	94	0	0	0	0	0
COST (M\$)	.000	.984	1.000	.000	.000	.000	.000	.000

The Inert APOBS Demolition Kit is a completely inert item used to train Marines in the employment and deployment of the live APOBS unit (DODIC MN79).

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.000	0.984	1.000	0.000	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	0.984	1.000	0.000	0.000	0.000	0.000	0.000

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/
PROCUREMENT, PAN&MC

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

(ALTCODE: 104000)

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY								
COST (M\$)	6.631	10.627	10.218	6.363	11.739	10.243	10.063	9.574

MARINE CORPS RESERVES (M) \$ S

FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09
0.907	1.522	1.177	0.798	1.590	1.369	1.103	1.411

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, CAL .50 BALL LINKED					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	0	0	770,349	318,994	380,435	345,745	310,881	304,569
COST (M\$)	.000	.000	1.325	.571	.700	.650	.600	.600

The Cartridge, Caliber .50 M33 Linked (DODIC A555) is used in M2 and M3M Caliber Machine Guns to augment DODIC A576 as dictated by local fire conditions. The cartridges are 5.45 inches long with a brass case and are linked together with the M2 cartridge link, 100 rounds to a belt. The projectile is a steel core bullet with a copper-alloy jacket. The Bare copper (non-painted) projectile tip identifies the M33 Cartridge.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.000	0.000	1.325	0.571	0.700	0.650	0.600	0.600
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.000	1.325	0.571	0.700	0.650	0.600	0.600

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, CAL .50 4 & 1 LINKED					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	2,402,500	4,688,038	2,909,322	1,391,692	4,148,889	3,294,191	2,924,101	3,256,127
COST (M\$)	5.766	9.798	6.866	4.523	9.335	7.939	8.129	8.238

The Cartridge, Caliber .50 4 API M8/1 API-T M20 Linked (DODIC A576) is used in M2 and M3M .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 Link. The cartridges are 5.45 inches long with a brass case and are linked four M8 Armor Piercing Incendiary cartridges to one M20 Armor Piercing Incendiary Tracer cartridge. 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 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	5.766	9.798	6.866	4.523	9.335	7.939	8.129	8.238
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	5.766	9.798	6.866	4.523	9.335	7.939	8.129	8.238

AMMUNITION COST ANALYSIS (DOLLARS IN : THOUSANDS)

DATE: FEB 2003
 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 2002 (QTY 2402500)			FY 2003 (QTY 4688038)			FY 2004 (QTY 2909322)			FY 2005 (QTY 1391692)		
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL
HARDWARE												
1. CTG CAL .50 LINKED 4 API M8/1API-T	2,402,500	2.25	5407	4,688,038	2.00	9387	2,909,322	2.23	6477	1,391,692	3.07	4267
2. BOX METAL M2A1(EA)	24,025	6.16	148	46,880	4.76	223	29,094	6.08	177	13,917	8.41	117
SUBTOTAL			5555			9610			6654			4384
PRODUCT												
1. PRODUCTION ENGINEERING			158			141			159			105
2. QUALITY ASSURANCE			7			6			7			4
3. INTERIM TRANSPORTATION			0			0			0			0
4. INDUSTRIAL STOCK SUPPORT			46			41			46			30
SUBTOTAL			211			188			212			139

TOTAL P-1 LINE ITEM		2.40	5766		2.09	9798		2.36	6866		3.25	4523

PROCUREMENT HISTORY & PLANNING

DATE: FEB 2003

APPROPRIATION/BUDGET ACTIVITY
 PROCUREMENT AMMUNITION, PAN&MC

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

NSN: 1305-00-028-6603
 (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. CTG CAL .50 LINKED 4 API M8/1API-T										
FY 2002	ALLIANT (LCAAP). MO	SS/FP	OSC	JAN 02	SEP 02	2402500	2.25	YES	NO	00
FY 2003	ALLIANT (LCAAP). MO	SS/FP	OSC	JAN 03	SEP 03	4688038	2.00	YES	NO	00
FY 2004	ALLIANT (LCAAP). MO	SS/FP	OSC	JAN 04	SEP 04	2909322	2.23	YES	NO	00
FY 2005	ALLIANT (LCAAP). MO	C/FP	OSC	JAN 05	SEP 05	1391692	3.07	YES	NO	00
2. BOX METAL M2A1(EA)										
FY 2002	ALLIANT (LCAAP). MO	C/FP	OSC	MAY 02	JUL 02	24025	6.16	YES	NO	00
FY 2003	ALLIANT (LCAAP). MO	C/FP	OSC	MAY 03	JUL 03	46880	4.76	YES	NO	00
FY 2004	ALLIANT (LCAAP). MO	SS/FP	OSC	MAY 04	JUL 04	29094	6.08	YES	NO	00
FY 2005	ALLIANT (LCAAP). MO	SS/FP	OSC	MAY 05	JUL 05	13917	8.41	YES	NO	00

Remarks:

ASSET DYNAMICS

DATE: FEB 2003

TMR : 11,834,514
 ACQUISITION OBJECTIVE : 11,834,514
 LEADTIME : 13

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

	30 SEPT 2001	FY 2002 FDP	FY 2003 FDP	FY 2004 FDP	FY 2005 FDP	FY 2006 FDP	FY 2007 FDP	FY 2008 FDP	FY 2009 FDP
BUY SUMMARY:									
UNIT PRICE:		2.40	2.09	2.36	3.25	2.25	2.41	2.78	2.53
TOTAL PRICE:		\$5,766,000	\$9,798,000	\$6,866,000	\$4,523,000	\$9,335,000	\$7,939,000	\$8,129,000	\$8,238,000
FY BUDGET QTY:		2,402,500	4,688,038	2,909,322	1,391,692	4,148,889	3,294,191	2,924,101	3,256,127
GAINS:									
FDP DELIVERIES:		0	2,202,292	4,497,576	3,057,548	1,518,161	3,919,123	3,365,416	2,954,942
OTHER (01 & PRIOR):		3,544,068	0	0	0	0	0	0	0
TOTAL:		3,544,068	2,202,292	4,497,576	3,057,548	1,518,161	3,919,123	3,365,416	2,954,942
LOSSES:									
COMBAT:		8,082	0	0	0	0	0	0	0
COMBAT ALLIES:		0	0	0	0	0	0	0	0
PEACETIME:		3,803,610	3,803,610	3,900,228	3,900,228	3,900,228	3,900,228	3,900,228	3,900,228
TESTING:		5,000	0	20,500	0	0	0	0	0
SALES:		0	0	0	0	0	0	0	0
OTHER:		0	0	0	0	0	0	0	0
TOTAL:		3,816,692	3,803,610	3,920,728	3,900,228	3,900,228	3,900,228	3,900,228	3,900,228
NET CHANGE (+/-)		-272,624	-1,601,318	576,848	-842,680	-2,382,067	18,895	-534,812	-945,286
ASSET POSITION:									
STD SERVICEABLE:	17,920,685	17,648,061	16,046,743	16,623,591	15,780,911	13,398,844	13,417,739	12,882,927	11,937,641
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:	17,920,685	17,648,061	16,046,743	16,623,591	15,780,911	13,398,844	13,417,739	12,882,927	11,937,641
\$ VALUE:	0	\$42,355,346	\$33,537,693	\$39,231,675	\$51,287,961	\$30,147,399	\$32,336,751	\$35,814,537	\$30,202,232
RECOMMENDED BUY QTY	-6,086,171	-5,813,547	-4,212,229	-4,789,077	-3,946,397	-1,564,330	-1,583,225	-1,048,413	-103,127
\$ VALUE:	\$0	(\$13,952,513)	(\$8,803,559)	(\$11,302,222)	(\$12,825,790)	(\$3,519,743)	(\$3,815,572)	(\$2,914,588)	(\$260,911)
DEFICIENCY A.O.	-6,086,171	-5,813,547	-4,212,229	-4,789,077	-3,946,397	-1,564,330	-1,583,225	-1,048,413	-103,127
\$ VALUE:	\$0	(\$13,952,513)	(\$8,803,559)	(\$11,302,222)	(\$12,825,790)	(\$3,519,743)	(\$3,815,572)	(\$2,914,588)	(\$260,911)
PERCENT OF OBJECTIVE:	151%	149%	136%	140%	133%	113%	113%	109%	101%

Remarks:

EXPENDITURE DATA: FY97 FY98 FY99 FY00 FY01 SUBSTITUTES: A543
 . 4301089 2908796 3560001 3657708 3366941 IO

SUMMARY ITEM READINESS QTY
 WRMR (WAR RESERVE REQ) 7908786

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: CTG, CAL .50 BLANK LINKED M2						
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	0	50,000	321,429	173,973	169,333	171,053	168,354	168,750
COST (M\$)	.000	.035	.225	.127	.127	.130	.133	.135

The Cartridge, Caliber .50 Blank M1A1 Linked (DODIC A598) is used to simulate firing in training exercises using the M2 and M3M Machine Guns. The M1A1 Cartridge is identified by the absence of a bullet.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.000	0.035	0.225	0.127	0.127	0.130	0.133	0.135
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.035	0.225	0.127	0.127	0.130	0.133	0.135

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, CAL .50 API SNIPER RIFLE					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	114,267	0	235,655	134,953	80,214	54,286	53,414	56,907
COST (M\$)	.865	.000	1.692	1.000	.600	.399	.399	.449

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 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.865	0.000	1.692	1.000	0.600	0.399	0.399	0.449
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.865	0.000	1.692	1.000	0.600	0.399	0.399	0.449

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 50 CAL SLAP TRACER					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	0	43,220	9,442	11,933	80,744	91,093	63,651	11,875
COST (M\$)	.000	.494	.110	.142	.977	1.125	.802	.152

The Cartridge, Caliber .50 SLAP-T (DODIC: AA38) is used for training in the in-bore device on a M1A1 tank. It is ballistically matched to the 120mm TP-T cartridge and has a tracer burn out in excess of 2000 meters.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.000	0.494	0.110	0.142	0.977	1.125	0.802	0.152
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.494	0.110	0.142	0.977	1.125	0.802	0.152

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/
PROCUREMENT, PAN&MC

P-1 NOMENCLATURE:
CTG, 40MM ALL TYPES

(ALTCODE: 105000)

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY								
COST (M\$)	5.691	11.705	10.191	24.255	32.394	26.613	34.704	36.883

MARINE CORPS RESERVES (M) \$ S

FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09
0.415	0.853	0.754	1.781	2.376	1.955	1.978	2.707

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 40MM PRACTICE					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	443,081	221,667	377,359	550,459	309,811	257,732	394,511	377,668
COST (M\$)	1.697	1.197	2.000	3.000	1.800	1.500	2.300	2.300

The Cartridge, 40mm Target Practice (TP) M781 (DODIC B519) is a fixed cartridge 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 and contains no high explosive. Upon impact, the projectile ruptures and releases a puff of yellow-orange dye simulating explosive impact.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	1.697	1.197	2.000	3.000	1.800	1.500	2.300	2.300
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	1.697	1.197	2.000	3.000	1.800	1.500	2.300	2.300

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 40MM WHITE STAR PARACHUTE					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	0	20,962	0	25,667	24,814	24,260	28,708	37,488
COST (M\$)	.037	.819	.000	1.000	1.000	1.000	1.200	1.600

The Cartridge, 40mm White Star Parachute M583/M583A1 (DODIC B535) is a fixed cartridge of ammunition consisting of a projectile assembly and a cartridge case assembly. The projectile assembly contains a pyrotechnic illuminant assembly attached to a 20-inch diameter parachute. A plastic ogive, embossed with a raised letter "W" for night identification, is snapped into the front opening of the projectile cavity. 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. This cartridge is fired from the M203 Grenade Launcher and is used for illumination and signaling. When fired vertically, the candle functions at approximately 152-213 meters (500-700 feet) in altitude. It is visible up to 4.8 kilometers (3 miles) away flying at an altitude of 914 meters (3000 feet).

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.037	0.819	0.000	1.000	1.000	1.000	1.200	1.600
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.037	0.819	0.000	1.000	1.000	1.000	1.200	1.600

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 40MM HEDP LINKED FOR MK19					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	0	0	0	535,466	874,678	595,583	518,483	946,948
COST (M\$)	.000	.000	.000	12.471	21.071	14.967	13.325	24.204

The Cartridge, 40mm High-Explosive Dual-Purpose (HEDP) M430/M430A1 Linked (DODIC B542) is a fixed cartridge of ammunition consisting of an ogive, projectile body, and cartridge case. The ogive houses the point initiating, back detonating (PIBD) fuze containing a detonator and a spit-back charge. The body contains a high explosive shaped charge and copper liner. 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 M430/M430A1 Cartridges are linked with M16A2 Links to form a 32 or 48 round belt (depending on NSN). This cartridge is fired from the MK19 Mod 3 Grenade Machine Gun and is a high explosive, dual-purpose cartridge. The projectile's shaped charge is designed to penetrate two inches (3 inches for M430A1) of steel armor and inflict personnel casualties in the target area.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.000	0.000	0.000	12.471	21.071	14.967	13.325	24.204
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.000	0.000	12.471	21.071	14.967	13.325	24.204

AMMUNITION COST ANALYSIS (DOLLARS IN : THOUSANDS)

DATE: FEB 2003
 NSN: 1310-01-419-9285
 (B542)

APPROPRIATION BUDGET ACTIVITY:
 PROCUREMENT AMMUNITION, OPERATIONS SUPPORT COMMAND

P-1 ITEM NOMENCLATURE:
 CTG, 40MM HEDP LINKED FOR MK19

ELEMENT OF COST QM: EA	FY 2002 (QTY 0)			FY 2003 (QTY 0)			FY 2004 (QTY 0)			FY 2005 (QTY 535466)		
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL
HARDWARE												
1. LOAD, ASSEMBLE, PACK	0	0.00	0	0	0.00	0	0	0.00	0	535,466	13.53	7245
2. BANDOLEER(EA)	0	0.00	0	0	0.00	0	0	0.00	0	89,798	2.48	223
3. COMP CH-6(LB)	0	0.00	0	0	0.00	0	0	0.00	0	430	16.28	7
4. FZ PIBDM550 MPTS(EA)	0	0.00	0	0	0.00	0	0	0.00	0	551,531	5.99	3306
5. DET STAB M55(EA)	0	0.00	0	0	0.00	0	0	0.00	0	556,885	0.59	331
6. LEAD AZIDE (SP)(LB)	0	0.00	0	0	0.00	0	0	0.00	0	55	36.36	2
7. RDX TYPE II CLASS 3(LB)	0	0.00	0	0	0.00	0	0	0.00	0	55	36.36	2
8. LAP TEST VEHICLE F/M433(EA)	0	0.00	0	0	0.00	0	0	0.00	0	11,996	8.67	104
9. LAP SPITBACK ASSY F/M433(EA)	0	0.00	0	0	0.00	0	0	0.00	0	11,996	1.33	16
10. COMP A-5 CLASS 1(LB)	0	0.00	0	0	0.00	0	0	0.00	0	53,119	3.84	204
11. M9 .003 FLAKE F/40MM(LB)	0	0.00	0	0	0.00	0	0	0.00	0	434	59.91	26
SUBTOTAL			0			0			0			11466
PRODUCT												
1. PRODUCTION ENGINEERING			0			0			0			961
2. QUALITY ASSURANCE			0			0			0			32
3. INDUSTRIAL STOCK SUPPORT			0			0			0			12
4. GOVERNMENT FURNISHED MATERIAL			0			0			0			0
SUBTOTAL			0			0			0			1005

TOTAL P-1 LINE ITEM		0.00	0		0.00	0		0.00	0		23.29	12471

PROCUREMENT HISTORY & PLANNING

DATE: FEB 2003

APPROPRIATION/BUDGET ACTIVITY
 PROCUREMENT AMMUNITION, PAN&MC

P-1 ITEM NOMENCLATURE
 CTG, 40MM HEDP LINKED FOR MK19

NSN: 1310-01-419-9285
 (B542)

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									
FY 2005		C/FP	OSC	JAN 05	MAR 06	535466	13.53	YES	NO	00
2.	BANDOLEER(EA)									
FY 2005		C/FP	OSC	JAN 05	MAR 06	89798	2.48	YES	NO	00
3.	COMP CH-6(LB)									
FY 2005		C/FP	OSC	JAN 05	MAR 06	430	16.28	YES	NO	00
4.	FZ PIBDM550 MPTS(EA)									
FY 2005		C/FP	OSC	JAN 05	MAR 06	551531	5.99	YES	NO	00
5.	DET STAB M55(EA)									
FY 2005		C/FP	OSC	JAN 05	MAR 06	556885	0.59	YES	NO	00
6.	LEAD AZIDE (SP)(LB)									
FY 2005		C/FP	OSC	JAN 05	MAR 06	55	36.36	YES	NO	00
7.	RDX TYPE II CLASS 3(LB)									
FY 2005		C/FP	OSC	JAN 05	MAR 06	55	36.36	YES	NO	00
8.	LAP TEST VEHICLE F/M433(EA)									
FY 2005		C/FP	OSC	JAN 05	MAR 06	11996	8.67	YES	NO	00
9.	LAP SPITBACK ASSY F/M433(EA)									
FY 2005		C/FP	OSC	JAN 05	MAR 06	11996	1.33	YES	NO	00
10.	COMP A-5 CLASS 1(LB)									
FY 2005		C/FP	OSC	JAN 05	MAR 06	53119	3.84	YES	NO	00

PROCUREMENT HISTORY & PLANNING

DATE: FEB 2003

APPROPRIATION/BUDGET ACTIVITY
 PROCUREMENT AMMUNITION, PAN&MC

P-1 ITEM NOMENCLATURE
 CTG, 40MM HEDP LINKED FOR MK19

NSN: 1310-01-419-9285
 (B542)

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
11 . M9 .003 FLAKE F/40MM(LB)										
FY 2005		C/FP	OSC	JAN 05	MAR 06	434	59.91	YES	NO	00

Remarks:

ASSET DYNAMICS

DATE: FEB 2003

TMR : 5,576,134
 ACQUISITION OBJECTIVE : 5,576,134
 LEADTIME : 19

DODIC: B542
 DESCRIPTION: CTG, 40MM ALL TYPES

	30 SEPT 2001	FY 2002 FDP	FY 2003 FDP	FY 2004 FDP	FY 2005 FDP	FY 2006 FDP	FY 2007 FDP	FY 2008 FDP	FY 2009 FDP
BUY SUMMARY:									
UNIT PRICE:		0.00	0.00	0.00	23.29	24.09	25.13	25.70	25.56
TOTAL PRICE:		\$0	\$0	\$0	\$12,471,000	\$21,071,000	\$14,967,000	\$13,325,000	\$24,204,000
FY BUDGET QTY:		0	0	0	535,466	874,678	595,583	518,483	946,948
GAINS:									
FDP DELIVERIES:		0	0	0	0	223,111	676,804	758,388	563,458
OTHER (01 & PRIOR):		199,744	0	0	0	0	0	0	0
TOTAL:		199,744	0	0	0	223,111	676,804	758,388	563,458
LOSSES:									
COMBAT:		0	0	0	0	0	0	0	0
COMBAT ALLIES:		0	0	0	0	0	0	0	0
PEACETIME:		897,259	997,259	997,259	997,259	997,259	997,259	997,259	997,259
TESTING:		8,500	0	0	480	0	0	0	0
SALES:		0	0	0	0	0	0	0	0
OTHER:		0	0	0	0	0	0	0	0
TOTAL:		905,759	997,259	997,259	997,739	997,259	997,259	997,259	997,259
NET CHANGE (+/-)		-706,015	-997,259	-997,259	-997,739	-774,148	-320,455	-238,871	-433,801
ASSET POSITION:									
STD SERVICEABLE:	8,498,046	7,792,031	6,794,772	5,797,513	4,799,774	4,025,626	3,705,171	3,466,300	3,032,499
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:	8,498,046	7,792,031	6,794,772	5,797,513	4,799,774	4,025,626	3,705,171	3,466,300	3,032,499
\$ VALUE:	0	\$0	\$0	\$0	\$111,786,736	\$96,977,330	\$93,110,947	\$89,083,910	\$77,510,674
RECOMMENDED BUY QTY	-2,921,912	-2,215,897	-1,218,638	-221,379	776,360	1,550,508	1,870,963	2,109,834	2,543,635
\$ VALUE:	\$0	\$0	\$0	\$0	\$18,081,424	\$37,351,738	\$47,017,300	\$54,222,734	\$65,015,311
DEFICIENCY A.O.	-2,921,912	-2,215,897	-1,218,638	-221,379	776,360	1,550,508	1,870,963	2,109,834	2,543,635
\$ VALUE:	\$0	\$0	\$0	\$0	\$18,081,424	\$37,351,738	\$47,017,300	\$54,222,734	\$65,015,311
PERCENT OF OBJECTIVE:	152%	140%	122%	104%	86%	72%	66%	62%	54%

Remarks:

EXPENDITURE DATA: FY97 FY98 FY99 FY00 FY01 SUBSTITUTES: B571
 . 424918 801271 782366 919920 812646 IO

SUMMARY ITEM READINESS QTY
 WRMR (WAR RESERVE REQ) 4569895

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 40MM HEDP FOR M79/M203					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	0	221,179	114,802	106,829	91,231	99,851	91,076	86,802
COST (M\$)	.000	7.582	4.351	3.473	3.225	3.359	3.123	3.032

The cartridge is a fixed round of ammunition consisting of a one-piece, aluminum projectile body with rotating band, and a cartridge case assembly. Upon impact with the target, the detonation of the bursting charge forms an armor-piercing jet of molten metal and fragmentation of the projectile body.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.000	7.582	4.351	3.473	3.225	3.359	3.123	3.032
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	7.582	4.351	3.473	3.225	3.359	3.123	3.032

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: 40MM PRACTICE					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	187,268	102,057	205,567	230,782	283,619	309,797	789,936	307,655
COST (M\$)	3.839	2.034	3.840	4.311	5.298	5.787	14.756	5.747

The Cartridge, 40mm Target Practice, Linked XM1023 M385A1 (DODIC BA12) is a fixed cartridge 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 cartridge is procured as a replacement for the M385 (DODIC B576) and the M918 (DODIC B584).

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	3.839	2.034	3.840	4.311	5.298	5.787	14.756	5.747
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	3.839	2.034	3.840	4.311	5.298	5.787	14.756	5.747

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: CTG, 60MM ALL TYPES							(ALTCODE: 108300)
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	
QUANTITY									
COST (M\$)	0.391	2.161	6.064	10.732	14.325	8.289	21.047	10.397	

MARINE CORPS RESERVES (M) \$ S

FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09
0.000	0.317	0.887	1.570	2.096	1.213	0.654	1.521

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 60MM HE					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	0	15,680	42,015	76,027	33,379	55,935	131,659	0
COST (M\$)	.391	2.161	6.064	10.732	5.097	8.289	21.047	.000

The Cartridge, 60mm High Explosive M888 (DODIC B643) is a high explosive cartridge for use in the 60mm M224 Lightweight Company Mortar System. It is intended for use against personnel and light materiel targets. The complete cartridge consists of a projectile body, a M935 Point Detonating fuze, four M204 Propellant Increments, an obturator ring, a M27 Fin Assembly, and a 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 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.391	2.161	6.064	10.732	5.097	8.289	21.047	0.000
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.391	2.161	6.064	10.732	5.097	8.289	21.047	0.000

AMMUNITION COST ANALYSIS (DOLLARS IN : THOUSANDS)

DATE: FEB 2003
 NSN: 1310-01-149-3185
 (B643)

APPROPRIATION BUDGET ACTIVITY:
 PROCUREMENT AMMUNITION, OPERATIONS SUPPORT COMMAND

P-1 ITEM NOMENCLATURE:
 CTG, 60MM HE

ELEMENT OF COST QM: EA	FY 2002 (QTY 0)			FY 2003 (QTY 15680)			FY 2004 (QTY 42015)			FY 2005 (QTY 76027)		
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL
HARDWARE												
1. LOAD, ASSEMBLE & PACK (LAP)	0	0.00	0	15,680	34.95	548	42,015	36.63	1539	76,027	35.83	2724
2. M720 PROJ MPTS	0	0.00	0	16,307	14.04	229	43,695	14.72	643	79,068	14.41	1139
3. * COMP B TYPE 1 GRADE A (LB)	0	0.00	0	12,544	2.23	28	33,612	2.41	81	60,822	2.37	144
4. * TNT TYPE 1 FLAKE (LB)	0	0.00	0	6,272	2.23	14	16,806	2.20	37	30,411	2.14	65
5. M27 FIN ASSEMBLY	0	0.00	0	16,307	8.34	136	43,695	8.72	381	79,068	8.54	675
6. M702 IGNITION CARTRIDGE	0	0.00	0	16,307	13.49	220	43,695	14.14	618	79,068	13.84	1094
7. M9 FLAKE .008 (LB)	0	0.00	0	125	88.00	11	336	86.31	29	609	85.39	52
8. * NITROCELLULOSE WW GR A (LB)	0	0.00	0	517	63.83	33	1,387	67.05	93	2,509	65.76	165
9. M10 FLAKE .008 (LB)	0	0.00	0	1,254	27.91	35	3,362	29.74	100	6,082	29.10	177
10. LAP CHG PROP M204	0	0.00	0	63,347	1.26	80	169,740	1.32	224	307,149	1.30	398
11. CONTAINER ASSBY M204	0	0.00	0	63,347	3.36	213	169,740	3.51	595	307,149	3.43	1053
12. M935 FUZE	0	0.00	0	16,150	8.48	137	43,275	8.85	383	78,309	8.65	677
13. MPTS M935	0	0.00	0	16,307	23.85	389	43,695	24.97	1091	79,068	24.42	1931
14. * COMP A-5 CLASS 1 (LB)	0	0.00	0	470	12.77	6	1,260	12.70	16	2,282	11.83	27
15. * RDX TYPE II CLASS 3 (LB)	0	0.00	0	24	41.67	1	63	15.87	1	114	17.54	2
SUBTOTAL			0			2080			5831			10323
PRODUCT												
1. PRODUCTION ENGINEERING			391			48			134			231
2. QUALITY ASSURANCE			0			37			102			180
3. ACCEPTANCE TESTING			0			40			119			211
4. INTERIM TRANSPORTATION			0			26			74			133
5. INDUSTRIAL STOCK SUPPORT			0			14			37			67
6. GOVERNMENT FURNISHED MATERIAL			0			-84			-233			-413
SUBTOTAL			391			81			233			409

TOTAL P-1 LINE ITEM		0.00	391		137.82	2161		144.33	6064		141.16	10732

PROCUREMENT HISTORY & PLANNING

DATE: FEB 2003

APPROPRIATION/BUDGET ACTIVITY
 PROCUREMENT AMMUNITION, PAN&MC

P-1 ITEM NOMENCLATURE
 CTG, 60MM HE

NSN: 1310-01-149-3185
 (B643)

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 2003	AMERICAN ORDNANCE MILAN, TN	SS/FP	OSC	DEC 02	AUG 04	15680	34.95	YES	NO	00
FY 2004	AMERICAN ORDNANCE MILAN, TN	SS/FP	OSC	DEC 03	AUG 05	42015	36.63	YES	NO	00
FY 2005	AMERICAN ORDNANCE MILAN, TN	SS/FP	OSC	DEC 04	AUG 06	76027	35.83	YES	NO	00
2. M720 PROJ MPTS										
FY 2003	MEDICO INDUSTRIES WILKES-BARRE, PA	SS/FP	OSC	DEC 02	AUG 04	16307	14.04	YES	NO	00
FY 2004	MEDICO INDUSTRIES WILKES-BARRE, PA	SS/FP	OSC	DEC 03	AUG 05	43695	14.72	YES	NO	00
FY 2005	MEDICO INDUSTRIES WILKES-BARRE, PA	SS/FP	OSC	DEC 04	AUG 06	79068	14.41	YES	NO	00
3. * COMP B TYPE 1 GRADE A (LB)										
FY 2003	WOODLAND CNTR CORP AITKIN, MN			00	00	12544	2.23	YES	NO	00
FY 2004	WOODLAND CNTR CORP AITKIN, MN			00	00	33612	2.41	YES	NO	00
FY 2005	WOODLAND CNTR CORP AITKIN, MN			00	00	60822	2.37	YES	NO	00
4. * TNT TYPE 1 FLAKE (LB)										
FY 2003	WOODLAND CNTR CORP AITKIN, MN			00	00	6272	2.23	YES	NO	00
FY 2004	WOODLAND CNTR CORP AITKIN, MN			00	00	16806	2.20	YES	NO	00
FY 2005	WOODLAND CNTR CORP AITKIN, MN			00	00	30411	2.14	YES	NO	00
5. M27 FIN ASSEMBLY										
FY 2003	WILKINSON MFG PORT CALHOUN, NE	SS/FP	OSC	DEC 02	AUG 04	16307	8.34	YES	NO	00
FY 2004	WILKINSON MFG PORT CALHOUN, NE	SS/FP	OSC	DEC 03	AUG 05	43695	8.72	YES	NO	00
FY 2005	WILKINSON MFG PORT CALHOUN, NE	SS/FP	OSC	DEC 04	AUG 06	79068	8.54	YES	NO	00
6. M702 IGNITION CARTRIDGE										
FY 2003	AMERICAN ORDNANCE MILAN, TN	SS/FP	OSC	DEC 02	AUG 04	16307	13.49	YES	NO	00
FY 2004	AMERICAN ORDNANCE MILAN, TN	SS/FP	OSC	DEC 03	AUG 05	43695	14.14	YES	NO	00

PROCUREMENT HISTORY & PLANNING

DATE: FEB 2003

APPROPRIATION/BUDGET ACTIVITY
 PROCUREMENT AMMUNITION, PAN&MC

P-1 ITEM NOMENCLATURE
 CTG, 60MM HE

NSN: 1310-01-149-3185
 (B643)

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
6. M702 IGNITION CARTRIDGE										
FY 2005	AMERICAN ORDNANCE MILAN, TN	SS/FP	OSC	DEC 04	AUG 06	79068	13.84	YES	NO	00
7. M9 FLAKE .008 (LB)										
FY 2003	ALLINANT TECH RADFORD, VA	SS/FP	OSC	DEC 02	AUG 04	125	88.00	YES	NO	00
FY 2004	ALLINANT TECH RADFORD, VA	SS/FP	OSC	DEC 03	AUG 05	336	86.31	YES	NO	00
FY 2005	ALLINANT TECH RADFORD, VA	SS/FP	OSC	DEC 04	AUG 06	609	85.39	YES	NO	00
8. * NITROCELLULOSE WW GR A (LB)										
FY 2003	WOODLAND CNTR CORP AITKIN, MN			00	00	517	63.83	YES	NO	00
FY 2004	WOODLAND CNTR CORP AITKIN, MN			00	00	1387	67.05	YES	NO	00
FY 2005	WOODLAND CNTR CORP AITKIN, MN			00	00	2509	65.76	YES	NO	00
9. M10 FLAKE .008 (LB)										
FY 2003	ALLINANT TECH RADFORD, VA	SS/FP	OSC	DEC 02	AUG 04	1254	27.91	YES	NO	00
FY 2004	ALLINANT TECH RADFORD, VA	SS/FP	OSC	DEC 03	AUG 05	3362	29.74	YES	NO	00
FY 2005	ALLINANT TECH RADFORD, VA	SS/FP	OSC	DEC 04	AUG 06	6082	29.10	YES	NO	00
10. LAP CHG PROP M204										
FY 2003	AMERICAN ORDNANCE MILAN, TN	SS/FP	OSC	DEC 02	AUG 04	63347	1.26	YES	NO	00
FY 2004	AMERICAN ORDNANCE MILAN, TN	SS/FP	OSC	DEC 03	AUG 05	169740	1.32	YES	NO	00
FY 2005	AMERICAN ORDNANCE MILAN, TN	SS/FP	OSC	DEC 04	AUG 06	307149	1.30	YES	NO	00
11. CONTAINER ASSBY M204										
FY 2003	ARMTEC DEFENSE PROD COACHELLA, CA	SS/FP	OSC	DEC 02	AUG 04	63347	3.36	YES	NO	00
FY 2004	ARMTEC DEFENSE PROD COACHELLA, CA	SS/FP	OSC	DEC 03	AUG 05	169740	3.51	YES	NO	00
FY 2005	ARMTEC DEFENSE PROD COACHELLA, CA	SS/FP	OSC	DEC 04	AUG 06	307149	3.43	YES	NO	00

PROCUREMENT HISTORY & PLANNING

DATE: FEB 2003

APPROPRIATION/BUDGET ACTIVITY
 PROCUREMENT AMMUNITION, PAN&MC

P-1 ITEM NOMENCLATURE
 CTG, 60MM HE

NSN: 1310-01-149-3185
 (B643)

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
12. M935 FUZE										
FY 2003	BULOVA TECHNOLOGIES LANCASTER, PA	SS/FP	OSC	DEC 02	AUG 04	16150	8.48	YES	NO	00
FY 2004	BULOVA TECHNOLOGIES LANCASTER, PA	SS/FP	OSC	DEC 03	AUG 05	43275	8.85	YES	NO	00
FY 2005	BULOVA TECHNOLOGIES LANCASTER, PA	SS/FP	OSC	DEC 04	AUG 06	78309	8.65	YES	NO	00
13. MPTS M935										
FY 2003	BULOVA TECHNOLOGIES LANCASTER, PA	SS/FP	OSC	DEC 02	AUG 04	16307	23.85	YES	NO	00
FY 2004	BULOVA TECHNOLOGIES LANCASTER, PA	SS/FP	OSC	DEC 03	AUG 05	43695	24.97	YES	NO	00
FY 2005	BULOVA TECHNOLOGIES LANCASTER, PA	SS/FP	OSC	DEC 04	AUG 06	79068	24.42	YES	NO	00
14. * COMP A-5 CLASS 1 (LB)										
FY 2003	WOODLAND CNTR CORP AITKIN, MN			00	00	470	12.77	YES	NO	00
FY 2004	WOODLAND CNTR CORP AITKIN, MN			00	00	1260	12.70	YES	NO	00
FY 2005	WOODLAND CNTR CORP AITKIN, MN			00	00	2282	11.83	YES	NO	00
15. * RDX TYPE II CLASS 3 (LB)										
FY 2003	WOODLAND CNTR CORP AITKIN, MN			00	00	24	41.67	YES	NO	00
FY 2004	WOODLAND CNTR CORP AITKIN, MN			00	00	63	15.87	YES	NO	00
FY 2005	WOODLAND CNTR CORP AITKIN, MN			00	00	114	17.54	YES	NO	00

Remarks:

* LINES 3, 4, 8, 14 AND 15 GOVERNMENT FURNISHED MATERIAL

ASSET DYNAMICS

DATE: FEB 2003

TMR : 93,363
 ACQUISITION OBJECTIVE : 93,363
 LEADTIME : 24

DODIC: B643
 DESCRIPTION: CTG, 60MM ALL TYPES

	30 SEPT 2001	FY 2002 FDP	FY 2003 FDP	FY 2004 FDP	FY 2005 FDP	FY 2006 FDP	FY 2007 FDP	FY 2008 FDP	FY 2009 FDP
BUY SUMMARY:									
UNIT PRICE:		0.00	137.82	144.33	141.16	152.70	148.19	159.86	0.00
TOTAL PRICE:		\$391,000	\$2,161,000	\$6,064,000	\$10,732,000	\$5,097,000	\$8,289,000	\$21,047,000	\$0
FY BUDGET QTY:		0	15,680	42,015	76,027	33,379	55,935	131,659	0
GAINS:									
FDP DELIVERIES:		0	0	0	15,680	42,015	76,027	33,379	55,935
OTHER (01 & PRIOR):		184,464	0	0	0	0	0	0	0
TOTAL:		184,464	0	0	15,680	42,015	76,027	33,379	55,935
LOSSES:									
COMBAT:		0	0	0	0	0	0	0	0
COMBAT ALLIES:		0	0	0	0	0	0	0	0
PEACETIME:		71,122	71,122	76,447	76,447	76,447	76,447	76,447	76,447
TESTING:		0	0	576	0	576	0	0	0
SALES:		0	0	0	0	0	0	0	0
OTHER:		0	0	0	0	0	0	0	0
TOTAL:		71,122	71,122	77,023	76,447	77,023	76,447	76,447	76,447
NET CHANGE (+/-)		113,342	-71,122	-77,023	-60,767	-35,008	-420	-43,068	-20,512
ASSET POSITION:									
STD SERVICEABLE:	183,898	297,240	226,118	149,095	88,328	53,320	52,900	9,832	0
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:	183,898	297,240	226,118	149,095	88,328	53,320	52,900	9,832	0
\$ VALUE:	0	\$0	\$31,163,583	\$21,518,881	\$12,468,380	\$8,141,964	\$7,839,251	\$1,571,744	\$0
RECOMMENDED BUY QTY	-90,535	-203,877	-132,755	-55,732	5,035	40,043	40,463	83,531	93,363
\$ VALUE:	\$0	\$0	(\$18,296,294)	(\$8,043,800)	\$710,741	\$6,114,566	\$5,996,212	\$13,353,266	\$0
DEFICIENCY A.O.	-90,535	-203,877	-132,755	-55,732	5,035	40,043	40,463	83,531	93,363
\$ VALUE:	\$0	\$0	(\$18,296,294)	(\$8,043,800)	\$710,741	\$6,114,566	\$5,996,212	\$13,353,266	\$0
PERCENT OF OBJECTIVE:	197%	318%	242%	160%	95%	57%	57%	11%	0%

Remarks:

EXPENDITURE DATA: FY97 FY98 FY99 FY00 FY01 SUBSTITUTES: B642
 . 113975 87506 74825 77471 77044 IO

SUMMARY ITEM READINESS QTY
 WRMR (WAR RESERVE REQ) 16404

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/
PROCUREMENT, PAN&MC

P-1 NOMENCLATURE:
CTG, 81MM ALL TYPES

(ALTCODE: 109100)

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY								
COST (M\$)	0.643	30.873	19.361	20.170	21.845	21.763	36.803	22.594

MARINE CORPS RESERVES (M) \$ S

FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09
0.072	3.306	2.074	2.160	2.340	2.331	2.375	2.419

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 81MM ILLUM					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	0	0	40,668	41,828	21,497	21,005	49,485	21,840
COST (M\$)	.000	.171	19.361	20.170	10.845	10.763	25.803	11.594

The Cartridge, 81mm Illuminating M853A1 (DODIC C871) with Mechanical Time Super-Quick Fuze (MTSQ) M772 is an illuminating round developed for use in the 81mm M252 Mortar System. It is intended for illuminating a desired point or area. The complete round consists of an M772 mechanical time super-quick fuze, a projectile body containing an illuminant canister and parachute assembly, an M29 Fin Assembly, four M219 horseshoe-type propelling increments, an obturating ring, and an M752 Ignition Cartridge with an M752A1 Integral Percussion Primer.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.000	0.171	19.361	20.170	10.845	10.763	25.803	11.594
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.171	19.361	20.170	10.845	10.763	25.803	11.594

AMMUNITION COST ANALYSIS (DOLLARS IN : THOUSANDS)

DATE: FEB 2003
 NSN: 1315-01-353-7617
 (C871)

APPROPRIATION BUDGET ACTIVITY:
 PROCUREMENT AMMUNITION, OPERATIONS SUPPORT COMMAND

P-1 ITEM NOMENCLATURE:
 CTG, 81MM ILLUM

ELEMENT OF COST QM: EA	FY 2002 (QTY 0)			FY 2003 (QTY 0)			FY 2004 (QTY 40688)			FY 2005 (QTY 41828)		
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL
HARDWARE												
1. M853A1 LOAD, ASSEMBLE & PACK	0	0.00	0	0	0.00	0	40,688	60.17	2448	41,828	60.99	2551
2. BODY TUBE AND TAIL CONE	0	0.00	0	0	0.00	0	46,482	31.69	1473	47,807	32.11	1535
3. ILLUMINANT CANISTER	0	0.00	0	0	0.00	0	46,482	116.86	5432	47,807	118.37	5659
4. PARACHUTE ASSEMBLY	0	0.00	0	0	0.00	0	46,482	18.42	856	47,807	18.66	892
5. IGNITION CARTRIDGE M752	0	0.00	0	0	0.00	0	46,482	23.06	1072	47,807	23.36	1117
6. PROPELLANT CHARGE M219	0	0.00	0	0	0.00	0	174,289	5.74	1001	179,261	5.82	1043
7. FIN ASSEMBLY M27	0	0.00	0	0	0.00	0	46,482	17.23	801	47,808	17.47	835
8. FUZE MTSQ M772	0	0.00	0	0	0.00	0	46,482	80.61	3747	47,807	81.64	3903
SUBTOTAL			0			0			16830			17535
PRODUCT												
1. PRODUCTION ENGINEERING			0			171			1025			1050
2. QUALITY ASSURANCE			0			0			675			705
3. ACCEPTANCE TESTING			0			0			475			503
4. INTERIM TRANSPORTATION			0			0			212			227
5. FIRST DESTINATION TRANSPORTATION			0			0			144			150
SUBTOTAL			0			171			2531			2635

TOTAL P-1 LINE ITEM		0.00	0		0.00	171		476.07	19361		482.21	20170

PROCUREMENT HISTORY & PLANNING

DATE: FEB 2003

APPROPRIATION/BUDGET ACTIVITY
 PROCUREMENT AMMUNITION, PAN&MC

P-1 ITEM NOMENCLATURE
 CTG, 81MM ILLUM

NSN: 1315-01-353-7617
 (C871)

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. M853A1 LOAD, ASSEMBLE & PACK										
FY 2004	PINE BLUFF ARSENAL PINE BLUFF, AR	SS/FP	OSC	MAR 04	AUG 05	40688	60.17	YES	NO	00
FY 2005	PINE BLUFF ARSENAL PINE BLUFF, AR	SS/FP	OSC	MAR 05	AUG 06	41828	60.99	YES	NO	00
2. BODY TUBE AND TAIL CONE										
FY 2004	TO BE SELECTED	/		00	00	46482	31.69	YES	NO	00
FY 2005	TO BE SELECTED			00	00	47807	32.11	YES	NO	00
3. ILLUMINANT CANISTER										
FY 2004	CRANE AAA CRANE, IN	SS/FP	OSC	MAR 04	AUG 05	46482	116.86	YES	NO	00
FY 2005	CRANE AAA CRANE, IN	SS/FP	OSC	MAR 05	AUG 06	47807	118.37	YES	NO	00
4. PARACHUTE ASSEMBLY										
FY 2004	TO BE SELECTED	/		00	00	46482	18.42	YES	NO	00
FY 2005	TO BE SELECTED			00	00	47807	18.66	YES	NO	00
5. IGNITION CARTRIDGE M752										
FY 2004	TO BE SELECTED	/		00	00	46482	23.06	YES	NO	00
FY 2005	TO BE SELECTED			00	00	47807	23.36	YES	NO	00
6. PROPELLANT CHARGE M219										
FY 2004	HITECH EAST CAMDEN, AR	SS/FP	OSC	MAR 04	AUG 05	174289	5.74	YES	NO	00
FY 2005	HITECH EAST CAMDEN, AR	SS/FP	OSC	MAR 05	AUG 06	179261	5.82	YES	NO	00
7. FIN ASSEMBLY M27										
FY 2004	WILKINSON MFG PORT CALHOUN, NE	SS/FP	OSC	MAR 04	AUG 05	46482	17.23	YES	NO	00
FY 2005	WILKINSON MFG PORT CALHOUN, NE	SS/FP	OSC	MAR 05	AUG 06	47808	17.47	YES	NO	00
8. FUZE MTSQ M772										
FY 2004	DIEHL MFG NUREMBERG, GE	SS/FP	OSC	MAR 04	AUG 05	46482	80.61	YES	NO	00

PROCUREMENT HISTORY & PLANNING

DATE: FEB 2003

APPROPRIATION/BUDGET ACTIVITY
 PROCUREMENT AMMUNITION, PAN&MC

P-1 ITEM NOMENCLATURE
 CTG, 81MM ILLUM

NSN: 1315-01-353-7617
 (C871)

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
8.	FUZE MTSQ M772									
FY 2005	DIEHL MFG NUREMBERG, GE	SS/FP	OSC	MAR 05	AUG 06	47807	81.64	YES	NO	00

Remarks:

ASSET DYNAMICS

DATE: FEB 2003

TMR : 232,238
 ACQUISITION OBJECTIVE : 232,238
 LEADTIME : 24

DODIC: C871
 DESCRIPTION: CTG, 81MM ALL TYPES

	30 SEPT 2001	FY 2002 FDP	FY 2003 FDP	FY 2004 FDP	FY 2005 FDP	FY 2006 FDP	FY 2007 FDP	FY 2008 FDP	FY 2009 FDP
BUY SUMMARY:									
UNIT PRICE:		0.00	0.00	476.07	482.21	504.49	512.39	521.43	530.85
TOTAL PRICE:		\$0	\$171,000	\$19,361,000	\$20,170,000	\$10,845,000	\$10,763,000	\$25,803,000	\$11,594,000
FY BUDGET QTY:		0	0	40,668	41,828	21,497	21,005	49,485	21,840
GAINS:									
FDP DELIVERIES:		0	0	0	0	40,668	41,828	21,497	21,005
OTHER (01 & PRIOR):		0	32,511	0	0	0	0	0	0
TOTAL:		0	32,511	0	0	40,668	41,828	21,497	21,005
LOSSES:									
COMBAT:		0	0	0	0	0	0	0	0
COMBAT ALLIES:		0	0	0	0	0	0	0	0
PEACETIME:		16,275	16,275	16,275	16,275	16,275	16,275	16,275	16,275
TESTING:		2,100	0	594	0	0	594	0	0
SALES:		0	0	0	0	0	0	0	0
OTHER:		0	0	0	0	0	0	0	0
TOTAL:		18,375	16,275	16,869	16,275	16,275	16,869	16,275	16,275
NET CHANGE (+/-)		-18,375	16,236	-16,869	-16,275	24,393	24,959	5,222	4,730
ASSET POSITION:									
STD SERVICEABLE:	158,780	140,405	156,641	139,772	123,497	147,890	172,849	178,071	182,801
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:	158,780	140,405	156,641	139,772	123,497	147,890	172,849	178,071	182,801
\$ VALUE:	0	\$0	\$0	\$66,541,256	\$59,551,488	\$74,609,026	\$88,566,099	\$92,851,562	\$97,039,911
RECOMMENDED BUY QTY	73,458	91,833	75,597	92,466	108,741	84,348	59,389	54,167	49,437
\$ VALUE:	\$0	\$0	\$0	\$44,020,289	\$52,435,998	\$42,552,723	\$30,430,330	\$28,244,299	\$26,243,631
DEFICIENCY A.O.	73,458	91,833	75,597	92,466	108,741	84,348	59,389	54,167	49,437
\$ VALUE:	\$0	\$0	\$0	\$44,020,289	\$52,435,998	\$42,552,723	\$30,430,330	\$28,244,299	\$26,243,631
PERCENT OF OBJECTIVE:	68%	60%	67%	60%	53%	64%	74%	77%	79%

Remarks:

EXPENDITURE DATA: FY97 FY98 FY99 FY00 FY01 SUBSTITUTES: C226
 . 15790 13450 11519 15174 14476 IO

SUMMARY ITEM READINESS QTY
 WRMR (WAR RESERVE REQ) 212675

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/
PROCUREMENT, PAN&MC

P-1 NOMENCLATURE:
CTG, 120MM ALL TYPES

(ALTCODE: 112100)

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY								
COST (M\$)	20.084	43.655	18.691	15.883	15.987	13.851	23.378	14.379

MARINE CORPS RESERVES (M) \$ S

FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09
5.309	9.092	4.959	4.253	4.883	3.672	8.682	9.534

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 120MM TP-T					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	8,788	13,184	0	2,508	2,502	7,015	9,706	10,671
COST (M\$)	4.834	7.257	.000	2.000	2.000	5.900	6.969	7.000

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-obturator band, and a cartridge case assembly.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	4.834	7.257	0.000	2.000	2.000	5.900	6.969	7.000
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	4.834	7.257	0.000	2.000	2.000	5.900	6.969	7.000

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 120MM TPCSDS-T					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	16,150	8,757	16,530	8,134	4,897	10,878	22,640	10,019
COST (M\$)	8.250	4.636	10.635	5.656	3.618	7.951	16.409	7.379

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.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	8.250	4.636	10.635	5.656	3.618	7.951	16.409	7.379
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	8.250	4.636	10.635	5.656	3.618	7.951	16.409	7.379

AMMUNITION COST ANALYSIS (DOLLARS IN : THOUSANDS)

DATE: FEB 2003
 NSN: 1315-01-288-5545
 (C785)

APPROPRIATION BUDGET ACTIVITY:
 PROCUREMENT AMMUNITION, OPERATIONS SUPPORT COMMAND

P-1 ITEM NOMENCLATURE:
 CTG, 120MM TPCSDST

ELEMENT OF COST QM: EA	FY 2002 (QTY 16150)			FY 2003 (QTY 8757)			FY 2004 (QTY 16530)			FY 2005 (QTY 8134)		
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL
HARDWARE												
1. COMPLETE ROUND M865	16,150	499.20	8062	8,757	517.30	4530	16,530	628.68	10392	8,134	666.83	5424
SUBTOTAL			8062			4530			10392			5424
PRODUCT												
1. PRODUCTION ENGINEERING			145			82			188			179
2. QUALITY ASSURANCE			3			2			4			4
3. ACCEPTANCE TESTING			40			22			51			49
SUBTOTAL			188			106			243			232

TOTAL P-1 LINE ITEM		510.83	8250		529.43	4636		643.37	10635		695.33	5656

PROCUREMENT HISTORY & PLANNING

DATE: FEB 2003

APPROPRIATION/BUDGET ACTIVITY
 PROCUREMENT AMMUNITION, PAN&MC

P-1 ITEM NOMENCLATURE
 CTG, 120MM TPCSDS-T

NSN: 1315-01-288-5545
 (C785)

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 M865									
FY 2002	ALLIANT TECH SYS INC NEW BRIGHTON, MN	C/FP	OSC	JAN 02	SEP 02	16150	499.20	YES	NO	00
FY 2003	ALLIANT TECH SYS INC NEW BRIGHTON, MN	C/FP	OSC	JAN 03	SEP 03	8757	517.30	YES	NO	00
FY 2004	ALLIANT TECH SYS INC NEW BRIGHTON, MN	C/FP	OSC	JAN 04	SEP 04	16530	628.68	YES	NO	00
FY 2005	ALLIANT TECH SYS INC NEW BRIGHTON, MN	C/FP	OSC	JAN 05	SEP 05	8134	666.83	YES	NO	00

Remarks:

ASSET DYNAMICS

DATE: FEB 2003

TMR : 19,578
 ACQUISITION OBJECTIVE : 19,578
 LEADTIME : 13

DODIC: C785
 DESCRIPTION: CTG, 120MM ALL TYPES

	30 SEPT 2001	FY 2002 FDP	FY 2003 FDP	FY 2004 FDP	FY 2005 FDP	FY 2006 FDP	FY 2007 FDP	FY 2008 FDP	FY 2009 FDP

BUY SUMMARY:									
UNIT PRICE:		510.83	529.43	643.37	695.33	738.80	730.94	724.79	736.50
TOTAL PRICE:		\$8,250,000	\$4,636,000	\$10,635,000	\$5,656,000	\$3,618,000	\$7,951,000	\$16,409,000	\$7,379,000
FY BUDGET QTY:		16,150	8,757	16,530	8,134	4,897	10,878	22,640	10,019

GAINS:									
FDP DELIVERIES:		0	14,804	9,373	15,882	8,834	5,167	10,380	21,660
OTHER (01 & PRIOR):		11,170	0	0	0	0	0	0	0
TOTAL:		11,170	14,804	9,373	15,882	8,834	5,167	10,380	21,660
LOSSES:									
COMBAT:		0	0	0	0	0	0	0	0
COMBAT ALLIES:		0	0	0	0	0	0	0	0
PEACETIME:		12,813	12,813	10,540	10,540	10,540	10,540	10,540	10,540
TESTING:		0	0	0	0	0	0	0	0
SALES:		0	0	0	0	0	0	0	0
OTHER:		0	0	0	0	0	0	0	0
TOTAL:		12,813	12,813	10,540	10,540	10,540	10,540	10,540	10,540
NET CHANGE (+/-)		-1,643	1,991	-1,167	5,342	-1,706	-5,373	-160	11,120

ASSET POSITION:									
STD SERVICEABLE:	9,739	8,096	10,087	8,920	14,262	12,556	7,183	7,023	18,143
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:	9,739	8,096	10,087	8,920	14,262	12,556	7,183	7,023	18,143
\$ VALUE:	0	\$4,135,680	\$5,340,360	\$5,738,860	\$9,916,796	\$9,276,373	\$5,250,342	\$5,090,200	\$13,362,320
RECOMMENDED BUY QTY	9,839	11,482	9,491	10,658	5,316	7,022	12,395	12,555	1,435
\$ VALUE:	\$0	\$5,865,350	\$5,024,820	\$6,857,037	\$3,696,374	\$5,187,854	\$9,060,001	\$9,099,738	\$1,056,878
DEFICIENCY A.O.	9,839	11,482	9,491	10,658	5,316	7,022	12,395	12,555	1,435
\$ VALUE:	\$0	\$5,865,350	\$5,024,820	\$6,857,037	\$3,696,374	\$5,187,854	\$9,060,001	\$9,099,738	\$1,056,878
PERCENT OF OBJECTIVE:	50%	41%	52%	46%	73%	64%	37%	36%	93%

Remarks:

EXPENDITURE DATA: FY97 FY98 FY99 FY00 FY01 SUBSTITUTES
 . 15444 13165 13366 10575 11721 IO

SUMMARY ITEM READINESS QTY
 WRMR (WAR RESERVE REQ) 0

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 120MM HEAT-MP-T (AA)					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	1,000	5,952	1,211	1,245	1,673	0	0	0
COST (M\$)	7.000	31.762	8.056	8.227	10.369	.000	.000	.000

The Cartridge, 120mm High Explosive Anti-Tank Multi-Purpose with Tracer (HEAT-MP-T) M830A1 (DODIC C791). The M830A1 Cartridge is used in the 120mm smooth bore M256 Cannon and is a fin-stabilized round with a discarding sabot. This is a multi-purpose round with anti-tank and air defense capability. The M830A1 Cartridge contains a propulsion system consisting of a metal case base, a Combustible Cartridge Case (CCC), case adapter, 19 perforated hexagonal JA-2 propellant, a propellant containment device (cloth bag), and a primer. The projectile consists of a sub-caliber projectile and three-piece aluminum sabot. The three-piece sabot is secured to the warhead body by a nylon obturator and a steel-retaining ring. The conical nose of the projectile. The weight of this cartridge is approximately 50.1 pounds or 22.7 kg.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	7.000	31.762	8.056	8.227	10.369	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\$)	7.000	31.762	8.056	8.227	10.369	0.000	0.000	0.000

AMMUNITION COST ANALYSIS (DOLLARS IN : THOUSANDS)

DATE: FEB 2003

APPROPRIATION BUDGET ACTIVITY:
PROCUREMENT AMMUNITION, ARDEC

P-1 ITEM NOMENCLATURE:
CTG, 120MM HEATMPT (AA)

NSN: 1315-01-333-0533
(C791)

ELEMENT OF COST QM: EA	FY 2002 (QTY 1000)			FY 2003 (QTY 5952)			FY 2004 (QTY 1211)			FY 2005 (QTY 1245)		
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL
HARDWARE												
1. COMPLETE ROUND M830A1	1,000	6,858.00	6858	5,952	5,228.33	31119	1,211	6,517.75	7893	1,245	6,474.70	8061
SUBTOTAL			6858			31119			7893			8061
PRODUCT												
1. PRODUCTION ENGINEERING			88			397			101			102
2. QUALITY ASSURANCE			10			48			12			12
3. ACCEPTANCE TESTING			44			198			50			52
SUBTOTAL			142			643			163			166

TOTAL P-1 LINE ITEM		7,000.00	7000		5,336.36	31762		6,652.35	8056		6,608.03	8227

PROCUREMENT HISTORY & PLANNING

DATE: FEB 2003

APPROPRIATION/BUDGET ACTIVITY
 PROCUREMENT AMMUNITION, PAN&MC

P-1 ITEM NOMENCLATURE
 CTG, 120MM HEAT-MP-T (AA)

NSN: 1315-01-333-0533
 (C791)

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 M830A1										
FY 2002	ALLIANT TECH SYS INC NEW BRIGHTON, MN	C/FFP	ARDEC	MAR 02	AUG 03	1000	6,858.00	YES	NO	00
FY 2003	ALLIANT TECH SYS INC NEW BRIGHTON, MN	C/FFP	ARDEC	MAR 03	AUG 04	5952	5,228.33	YES	NO	00
FY 2004	ALLIANT TECH SYS INC NEW BRIGHTON, MN	C/FFP	ARDEC	MAR 04	AUG 05	1211	6,517.75	YES	NO	00
FY 2005	ALLIANT TECH SYS INC NEW BRIGHTON, MN	C/FFP	ARDEC	MAR 05	AUG 06	1245	6,474.70	YES	NO	00

Remarks:

ASSET DYNAMICS

DATE: FEB 2003

TMR : 19,722
 ACQUISITION OBJECTIVE : 19,722
 LEADTIME : 24

DODIC: C791
 DESCRIPTION: CTG, 120MM ALL TYPES

	30 SEPT 2001	FY 2002 FDP	FY 2003 FDP	FY 2004 FDP	FY 2005 FDP	FY 2006 FDP	FY 2007 FDP	FY 2008 FDP	FY 2009 FDP

BUY SUMMARY:									
UNIT PRICE:		7,000.00	5,336.36	6,652.35	6,608.03	6,197.85	0.00	0.00	0.00
TOTAL PRICE:		\$7,000,000	\$31,762,000	\$8,056,000	\$8,227,000	\$10,369,000	\$0	\$0	\$0
FY BUDGET QTY:		1,000	5,952	1,211	1,245	1,673	0	0	0

GAINS:									
FDP DELIVERIES:		0	0	1,000	5,952	1,211	1,245	1,673	0
OTHER (01 & PRIOR):		0	0	0	0	0	0	0	0
TOTAL:		0	0	1,000	5,952	1,211	1,245	1,673	0
LOSSES:									
COMBAT:		0	0	0	0	0	0	0	0
COMBAT ALLIES:		0	0	0	0	0	0	0	0
PEACETIME:		0	0	0	0	0	0	0	0
TESTING:		32	0	120	0	0	0	0	0
SALES:		0	0	0	0	0	0	0	0
OTHER:		0	0	0	0	0	0	0	0
TOTAL:		32	0	120	0	0	0	0	0
NET CHANGE (+/-)		-32	0	880	5,952	1,211	1,245	1,673	0
ASSET POSITION:									
STD SERVICEABLE:	7,692	7,660	7,660	8,540	14,492	15,703	16,948	18,621	18,621
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:	7,692	7,660	7,660	8,540	14,492	15,703	16,948	18,621	18,621
\$ VALUE:	0	\$53,620,000	\$40,876,518	\$56,811,069	\$95,763,571	\$97,324,839	\$0	\$0	\$0
RECOMMENDED BUY QTY	12,030	12,062	12,062	11,182	5,230	4,019	2,774	1,101	1,101
\$ VALUE:	\$0	\$84,434,000	\$64,367,174	\$74,386,578	\$34,559,997	\$24,909,159	\$0	\$0	\$0
DEFICIENCY A.O.	12,030	12,062	12,062	11,182	5,230	4,019	2,774	1,101	1,101
\$ VALUE:	\$0	\$84,434,000	\$64,367,174	\$74,386,578	\$34,559,997	\$24,909,159	\$0	\$0	\$0
PERCENT OF OBJECTIVE:	39%	39%	39%	43%	73%	80%	86%	94%	94%

Remarks:

EXPENDITURE DATA: FY97 FY98 FY99 FY00 FY01 SUBSTITUTES: C787
 . 0 0 1266 0 0 IO

SUMMARY ITEM READINESS QTY
 WRMR (WAR RESERVE REQ) 19570

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/
PROCUREMENT, PAN&MC

P-1 NOMENCLATURE:
CTG, 25MM ALL TYPES

(ALTCODE: 138800)

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY								
COST (M\$)	5.722	6.527	3.859	3.867	6.104	10.715	16.922	6.744

MARINE CORPS RESERVES (M) \$ S

FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09
0.653	0.714	0.423	0.424	0.668	1.174	1.212	0.739

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 25MM TP-T LINKED					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	272,767	239,071	186,066	181,474	192,586	287,555	589,018	178,031
COST (M\$)	3.786	3.347	3.859	3.742	4.104	5.915	12.122	3.744

The Cartridge, 25mm Target Practice-Tracer (TP-T) M793 Linked (DODIC A976) is a target practice cartridge 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.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	3.786	3.347	3.859	3.742	4.104	5.915	12.122	3.744
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	3.786	3.347	3.859	3.742	4.104	5.915	12.122	3.744

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: LIGHT ARMOR VEHICLE						
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	0	0	0	0	0	0	0	0
COST (M\$)	.000	.000	.000	.125	.000	.000	.000	.000

Light Armor Vehicle. This funding is required for the evaluation of advanced technology in the 25MM family of munitions.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.000	0.000	0.000	0.125	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	0.000	0.125	0.000	0.000	0.000	0.000

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: (ALTCODE: 142800) CTG, 9MM ALL TYPES						
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY								
COST (M\$)	4.774	1.949	2.706	6.482	3.618	3.267	3.321	3.390

MARINE CORPS RESERVES (M) \$ S

FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09
0.119	0.084	0.119	0.282	0.159	0.145	0.147	0.151

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 9MM BALL					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	31,463,636	12,530,000	11,772,727	42,660,000	19,518,182	11,900,000	16,336,364	16,245,455
COST (M\$)	3.461	1.253	1.295	4.266	2.147	1.309	1.797	1.787

The Cartridge, 9mm Ball M882 (DODIC A363) is intended for use against enemy personnel and for security purposes. This cartridge may be 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 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	3.461	1.253	1.295	4.266	2.147	1.309	1.797	1.787
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	3.461	1.253	1.295	4.266	2.147	1.309	1.797	1.787

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 9MM SESAMS (RED)					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	1,852,941	873,529	1,852,941	2,974,286	1,914,286	2,605,714	1,985,714	2,041,667
COST (M\$)	.630	.297	.630	1.041	.670	.912	.695	.735

The Cartridge, 9mm 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 projectile 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 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 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.630	0.297	0.630	1.041	0.670	0.912	0.695	0.735
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.630	0.297	0.630	1.041	0.670	0.912	0.695	0.735

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 9MM SESAMS (BLUE)					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	2,008,824	1,173,529	1,902,941	2,974,286	1,905,714	2,605,714	1,985,714	2,038,889
COST (M\$)	.683	.399	.647	1.041	.667	.912	.695	.734

The Cartridge, 9mm 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 projectile 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 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.683	0.399	0.647	1.041	0.667	0.912	0.695	0.734
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.683	0.399	0.647	1.041	0.667	0.912	0.695	0.734

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: SPEC EFFECTS SMALLARMS MK SYS						
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	0	0	0	0	0	0	0	0
COST (M\$)	.000	.000	.134	.134	.134	.134	.134	.134

Special Effects Small Arms Marking System.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.000	0.000	0.134	0.134	0.134	0.134	0.134	0.134
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.000	0.134	0.134	0.134	0.134	0.134	0.134

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: GRENADES, ALL TYPES							(ALTCODE: 146800)
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	
QUANTITY									
COST (M\$)	11.517	11.163	7.914	5.210	7.010	5.975	20.718	6.207	

MARINE CORPS RESERVES (M) \$ S

FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09
0.965	0.945	0.670	0.440	0.593	0.506	0.515	0.525

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: FUZE, HAND GRENADE PRACTICE					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	0	256,545	477,029	300,480	318,155	17,122	2,037,203	63,986
COST (M\$)	.060	.933	1.642	1.096	1.177	.119	7.721	.251

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 fuze contains a primer and a pyrotechnic delay column. Assembled to the fuze is a striker, striker spring, safety lever, safety pin with pull ring, safety clip, and igniter assembly. The split end of the safety pin has an angular spread or a diamond crimp. One fuze weighs approximately 2.5 ounces.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.060	0.933	1.642	1.096	1.177	0.119	7.721	0.251
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.060	0.933	1.642	1.096	1.177	0.119	7.721	0.251

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: GRENADE, HAND FRAGMENTATION					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	111,012	117,715	173,422	150,239	213,039	208,102	191,533	203,207
COST (M\$)	3.125	3.555	4.587	4.079	5.833	5.856	5.497	5.956

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. The M213 Fuze is equipped with two safety features.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	3.125	3.555	4.587	4.079	5.833	5.856	5.497	5.956
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	3.125	3.555	4.587	4.079	5.833	5.856	5.497	5.956

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: GRENADE, HAND SMOKE GREEN					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	0	78,606	16,904	0	0	0	0	0
COST (M\$)	.000	2.245	.700	.000	.000	.000	.000	.000

The Grenade, Hand Green Smoke M18 (DODIC G940) is used for screening, marking, and signaling. Each grenade will emit smoke for 50 to 135 seconds. The body of thin sheet metal is filled with a green smoke composition and topped with a starter mixture. The M201A1 Fuze 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. 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 first fire mixture, initiating the grenade.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.000	2.245	0.700	0.000	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	2.245	0.700	0.000	0.000	0.000	0.000	0.000

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: GRENADE, HAND SMOKE YELLOW					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	0	0	24,491	0	0	0	171,743	0
COST (M\$)	.000	.000	.950	.000	.000	.000	7.500	.000

The Grenade, Hand Yellow Smoke M18 (DODIC G945) is used for screening, marking, and signaling. Each grenade will emit smoke for 50 to 135 seconds. The body of thin sheet metal is filled with yellow smoke composition and topped with a starter mixture. The M201A1 Fuze 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. 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 first fire mixture, initiating the grenade.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.000	0.000	0.950	0.000	0.000	0.000	7.500	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	0.950	0.000	0.000	0.000	7.500	0.000

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: RIOT CONTROL AGENT, CS CAPSULE					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	0	0	72,917	66,038	0	0	0	0
COST (M\$)	.000	.000	.035	.035	.000	.000	.000	.000

The Riot Control Agent, CS (DODIC K765) is a riot control agent capsule that consists of a size 00 gelatin capsule filled with ground CS riot control agent (ortho-chlorobenzylidene malano-nitrile). The CS is ground to a particle size of less than 840 microns. The filled capsule weighs about 0.82 grams.

The capsules are used to demonstrate to trainees the protection effort afforded by properly fitted chemical-biological masks, and to demonstrate to unmasked trainees the effects of CS riot control agents. Placing the capsule on an upended empty can that is placed over a burning candle aerosolizes the CS riot control agent. When the test chamber is filled with the agent, masked troops are brought into the chamber to gain confidence in their masks and test the fit of their masks. The trainees are required to unmask to become familiar with the effects of the agent. The CS particles immediately sting and irritate skin, eyes, nose, and throat of exposed personnel.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.000	0.000	0.035	0.035	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	0.035	0.035	0.000	0.000	0.000	0.000

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/
PROCUREMENT, PAN&MC

P-1 NOMENCLATURE:
ROCKETS ALL TYPES

(ALTCODE: 147100)

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY								
COST (M\$)	13.767	18.530	15.461	14.388	56.586	79.665	73.531	123.368

MARINE CORPS RESERVES (M) \$ S

FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09
0.315	1.269	1.086	1.014	3.907	5.489	4.739	8.488

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: ROCKET, 84MM HEAA (AT-4)					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	1,667	5,417	4,106	3,415	0	0	0	0
COST (M\$)	2.500	8.126	6.159	5.123	.000	.000	.000	.000

The Cartridge and Launcher, 84mm M136 AT-4 (DODIC C995) is mainly employed against armored personnel carriers. However, it can be used against battle tanks when fired at the flanks or rear. It can also be employed as an assault weapon against bunkers, field fortifications, and other hard-point positions. Issued as one round of ammunition, the AT-4 tactical round is a self-contained, lightweight, disposable weapon consisting of a launcher and cartridge. The launcher is fiberglass-reinforced with a smooth bore barrel that is environmentally sealed. The AT-4 is equipped with an aluminum venturi, a firing mechanism with three safety devices, front and rear sights, and a carrying sling. The cartridge assembly consists of the projectile and the cartridge case. The projectile is a free flight, fin-stabilized warhead pressed and cemented into the cartridge case. The cartridge case contains a double-base propellant, percussion primer, and igniter.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	2.500	8.126	6.159	5.123	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\$)	2.500	8.126	6.159	5.123	0.000	0.000	0.000	0.000

AMMUNITION COST ANALYSIS (DOLLARS IN : THOUSANDS)

DATE: FEB 2003
 NSN: 1315-01-245-4950
 (C995)

APPROPRIATION BUDGET ACTIVITY:
 PROCUREMENT AMMUNITION, RDA

P-1 ITEM NOMENCLATURE:
 ROCKET, 84MM HEAA (AT4)

ELEMENT OF COST QM: EA	FY 2002 (QTY 1667)			FY 2003 (QTY 5417)			FY 2004 (QTY 4106)			FY 2005 (QTY 3415)		
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL
HARDWARE												
1. AT-4 MULTI PURPOSE WEAPON	1,667	718.06	1197	5,417	718.48	3892	4,106	718.46	2950	3,415	718.59	2454
2. AT-4 OCTOL 70/30 SPEC(LB)	2,836	2.82	8	9,216	2.82	26	6,985	2.86	20	5,810	2.75	16
3. TNT TYPE I FLAKE(LB)	1,238,665	0.83	1030	4,025,104	0.83	3348	3,050,965	0.83	2538	2,537,517	0.83	2111
SUBTOTAL			2235			7266			5508			4581
PRODUCT												
1. PRODUCTION ENGINEERING			229			746			565			470
2. QUALITY ASSURANCE			6			20			15			12
3. ACCEPTANCE TESTING			26			85			64			53
4. INDUSTRIAL STOCK SUPPORT			4			9			7			7
SUBTOTAL			265			860			651			542

TOTAL P-1 LINE ITEM		1,500.00	2500		1,500.00	8126		1,500.00	6159		1,500.00	5123

PROCUREMENT HISTORY & PLANNING

DATE: FEB 2003

APPROPRIATION/BUDGET ACTIVITY
 PROCUREMENT AMMUNITION, PAN&MC

P-1 ITEM NOMENCLATURE
 ROCKET, 84MM HEAA (AT-4)

NSN: 1315-01-245-4950
 (C995)

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. AT-4 MULTI PURPOSE WEAPON										
FY 2002	SAAB BOFORS DYNAMICS KARLSKOGA, SWEDEN	SS/FP	MCSC	SEP 02	MAR 04	1667	718.06	YES	NO	00
FY 2003	SAAB BOFORS DYNAMICS KARLSKOGA, SWEDEN	SS/FPO	MCSC	APR 03	OCT 04	5417	718.48	YES	NO	00
FY 2004	SAAB BOFORS DYNAMICS KARLSKOGA, SWEDEN	SS/FPO	MCSC	APR 04	OCT 05	4106	718.46	YES	NO	00
FY 2005	SAAB BOFORS DYNAMICS KARLSKOGA, SWEDEN	SS/FPO	MCSC	APR 05	OCT 06	3415	718.59	YES	NO	00
2. AT-4 OCTOL 70/30 SPEC(LB)										
FY 2002	SAAB BOFORS DYNAMICS KARLSKOGA, SWEDEN	SS/FP	MCSC	SEP 02	MAR 04	2836	2.82	YES	NO	00
FY 2003	SAAB BOFORS DYNAMICS KARLSKOGA, SWEDEN	SS/FPO	MCSC	APR 03	OCT 04	9216	2.82	YES	NO	00
FY 2004	SAAB BOFORS DYNAMICS KARLSKOGA, SWEDEN	SS/FPO	MCSC	APR 04	OCT 05	6985	2.86	YES	NO	00
FY 2005	SAAB BOFORS DYNAMICS KARLSKOGA, SWEDEN	SS/FPO	MCSC	APR 05	OCT 06	5810	2.75	YES	NO	00
3. TNT TYPE I FLAKE(LB)										
FY 2002	SAAB BOFORS DYNAMICS KARLSKOGA, SWEDEN	SS/FP	MCSC	SEP 02	MAR 04	1238665	0.83	YES	NO	00
FY 2003	SAAB BOFORS DYNAMICS KARLSKOGA, SWEDEN	SS/FPO	MCSC	APR 03	OCT 04	4025104	0.83	YES	NO	00
FY 2004	SAAB BOFORS DYNAMICS KARLSKOGA, SWEDEN	SS/FPO	MCSC	APR 04	OCT 05	3050965	0.83	YES	NO	00
FY 2005	SAAB BOFORS DYNAMICS KARLSKOGA, SWEDEN	SS/FPO	MCSC	APR 05	OCT 06	2537517	0.83	YES	NO	00

Remarks:

TMR : 18,651
 ACQUISITION OBJECTIVE : 18,651
 LEADTIME : 19

DODIC: C995
 DESCRIPTION: ROCKETS ALL TYPES

	30 SEPT 2001	FY 2002 FDP	FY 2003 FDP	FY 2004 FDP	FY 2005 FDP	FY 2006 FDP	FY 2007 FDP	FY 2008 FDP	FY 2009 FDP
BUY SUMMARY:									
UNIT PRICE:		1,500.00	1,500.00	1,500.00	1,500.00	0.00	0.00	0.00	0.00
TOTAL PRICE:		\$2,500,000	\$8,126,000	\$6,159,000	\$5,123,000	\$0	\$0	\$0	\$0
FY BUDGET QTY:		1,667	5,417	4,106	3,415	0	0	0	0
GAINS:									
FDP DELIVERIES:		0	695	3,229	4,871	3,818	1,992	0	0
OTHER (01 & PRIOR):		0	0	0	0	0	0	0	0
TOTAL:		0	695	3,229	4,871	3,818	1,992	0	0
LOSSES:									
COMBAT:		0	0	0	0	0	0	0	0
COMBAT ALLIES:		0	0	0	0	0	0	0	0
PEACETIME:		2,315	2,315	2,524	2,524	2,524	2,524	2,524	2,524
TESTING:		129	4	130	0	0	0	0	0
SALES:		0	0	0	0	0	0	0	0
OTHER:		0	1,667	5,417	4,106	3,415	0	0	0
TOTAL:		2,444	3,986	8,071	6,630	5,939	2,524	2,524	2,524
NET CHANGE (+/-)		-2,444	-3,291	-4,842	-1,759	-2,121	-532	-2,524	-2,524
ASSET POSITION:									
STD SERVICEABLE:	46,741	44,297	41,006	36,164	34,405	32,284	31,752	29,228	26,704
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:	46,741	44,297	41,006	36,164	34,405	32,284	31,752	29,228	26,704
\$ VALUE:	0	\$66,445,500	\$61,509,000	\$54,246,000	\$51,607,500	\$0	\$0	\$0	\$0
RECOMMENDED BUY QTY	-28,090	-25,646	-22,355	-17,513	-15,754	-13,633	-13,101	-10,577	-8,053
\$ VALUE:	\$0	(\$38,469,000)	(\$33,532,500)	(\$26,269,500)	(\$23,631,000)	\$0	\$0	\$0	\$0
DEFICIENCY A.O.	-28,090	-25,646	-22,355	-17,513	-15,754	-13,633	-13,101	-10,577	-8,053
\$ VALUE:	\$0	(\$38,469,000)	(\$33,532,500)	(\$26,269,500)	(\$23,631,000)	\$0	\$0	\$0	\$0
PERCENT OF OBJECTIVE:	251%	238%	220%	194%	184%	173%	170%	157%	143%

Remarks:
 EXPENDITURE DATA: FY97 3636 FY98 3116 FY99 2685 FY00 2306 FY01 2079 SUBSTITUTES: IO
 SUMMARY ITEM READINESS QTY
 WRMR (WAR RESERVE REQ) 16123
 REPROCUREMENT IS NECESSARY TO REPLACE STOCKS EXPERIENCING AGE RELATED DEGRADATION.

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: ROCKET, 83MM HE DUALMODE					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	5,767	5,989	5,430	5,150	3,402	4,805	6,945	2,029
COST (M\$)	10.982	10.404	9.302	9.265	6.427	9.528	14.460	4.435

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 cartridges and the rocket are ballistically matched. After firing the rocket, the encasement is removed and discarded.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	10.982	10.404	9.302	9.265	6.427	9.528	14.460	4.435
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	10.982	10.404	9.302	9.265	6.427	9.528	14.460	4.435

AMMUNITION COST ANALYSIS (DOLLARS IN : THOUSANDS)

DATE: FEB 2003
 NSN: 1340-01-158-0577
 (HX05)

APPROPRIATION BUDGET ACTIVITY:
 PROCUREMENT AMMUNITION, DAHLGREN

P-1 ITEM NOMENCLATURE:
 ROCKET, 83MM HE DUALMODE

ELEMENT OF COST QM: EA	FY 2002 (QTY 5767)			FY 2003 (QTY 5989)			FY 2004 (QTY 5430)			FY 2005 (QTY 5150)		
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL
HARDWARE												
1. COMPLETE ROUND	5,767	1,732.96	9994	5,989	1,580.73	9467	5,430	1,559.67	8469	5,150	1,644.47	8469
SUBTOTAL			9994			9467			8469			8469
PRODUCT												
1. QUALITY ASSURANCE			373			106			98			98
2. ACCEPTANCE TESTING			151			188			162			162
3. PRODUCTION ENGINEERING			464			643			573			536
SUBTOTAL			988			937			833			796

TOTAL P-1 LINE ITEM		1,904.44	10982		1,737.08	10404		1,713.00	9302		1,799.00	9265

PROCUREMENT HISTORY & PLANNING

DATE: FEB 2003

APPROPRIATION/BUDGET ACTIVITY
 PROCUREMENT AMMUNITION, PAN&MC

P-1 ITEM NOMENCLATURE
 ROCKET, 83MM HE DUALMODE

NSN: 1340-01-158-0577
 (HX05)

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 2002	TALLEY DEFENSE SYS MESA, AZ	SS/FP	NSWCDD	MAR 02	MAR 03	5767	1,732.96	YES	NO	00
FY 2003	TALLEY DEFENSE SYS MESA, AZ	SS/FP	NSWCDD	MAR 03	MAR 04	5989	1,580.73	YES	NO	00
FY 2004	TALLEY DEFENSE SYS MESA, AZ	SS/FP	NSWCDD	MAR 04	MAR 05	5430	1,559.67	YES	NO	00
FY 2005	TALLEY DEFENSE SYS MESA, AZ	SS/FP	NSWCDD	MAR 05	MAR 06	5150	1,644.47	YES	NO	00

Remarks:

ASSET DYNAMICS

DATE: FEB 2003

TMR : 94,933
 ACQUISITION OBJECTIVE : 94,933
 LEADTIME : 19

DODIC: HX05
 DESCRIPTION: ROCKETS ALL TYPES

	30 SEPT 2001	FY 2002 FDP	FY 2003 FDP	FY 2004 FDP	FY 2005 FDP	FY 2006 FDP	FY 2007 FDP	FY 2008 FDP	FY 2009 FDP

BUY SUMMARY:									
UNIT PRICE:		1,904.44	1,737.08	1,713.00	1,799.00	1,889.00	1,983.00	2,082.00	2,186.00
TOTAL PRICE:		\$10,982,000	\$10,404,000	\$9,302,000	\$9,265,000	\$6,427,000	\$9,528,000	\$14,460,000	\$4,435,000
FY BUDGET QTY:		5,767	5,989	5,430	5,150	3,402	4,805	6,945	2,029

GAINS:									
FDP DELIVERIES:		0	2,403	5,859	5,756	5,313	4,422	3,987	5,697
OTHER (01 & PRIOR):		17,000	8,459	0	0	0	0	0	0
TOTAL:		17,000	10,862	5,859	5,756	5,313	4,422	3,987	5,697
LOSSES:									
COMBAT:		0	0	0	0	0	0	0	0
COMBAT ALLIES:		0	0	0	0	0	0	0	0
PEACETIME:		1,936	1,936	2,164	2,164	2,164	2,164	2,164	2,164
TESTING:		36	68	100	0	0	0	0	0
SALES:		0	0	0	0	0	0	0	0
OTHER:		0	0	0	0	0	0	0	0
TOTAL:		1,972	2,004	2,264	2,164	2,164	2,164	2,164	2,164
NET CHANGE (+/-)		15,028	8,858	3,595	3,592	3,149	2,258	1,823	3,533

ASSET POSITION:									
STD SERVICEABLE:	47,665	62,693	71,551	75,146	78,738	81,887	84,145	85,968	89,501
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:	47,665	62,693	71,551	75,146	78,738	81,887	84,145	85,968	89,501
\$ VALUE:	0	\$119,395,057	\$124,289,811	\$128,725,098	\$141,649,662	\$154,684,543	\$166,859,535	\$178,985,376	\$195,649,186
RECOMMENDED BUY QTY	47,268	32,240	23,382	19,787	16,195	13,046	10,788	8,965	5,432
\$ VALUE:	\$0	\$61,399,146	\$40,616,405	\$33,895,131	\$29,134,805	\$24,643,894	\$21,392,604	\$18,665,130	\$11,874,352
DEFICIENCY A.O.	47,268	32,240	23,382	19,787	16,195	13,046	10,788	8,965	5,432
\$ VALUE:	\$0	\$61,399,146	\$40,616,405	\$33,895,131	\$29,134,805	\$24,643,894	\$21,392,604	\$18,665,130	\$11,874,352
PERCENT OF OBJECTIVE:	50%	66%	75%	79%	83%	86%	89%	91%	94%

Remarks:

EXPENDITURE DATA: FY97 FY98 FY99 FY00 FY01 SUBSTITUTES
 5674 2260 1689 1732 1719 IO

SUMMARY ITEM READINESS QTY
 WRMR (WAR RESERVE REQ) 92669

APPROPRIATION/
PROCUREMENT, PAN&MC

P-1 NOMENCLATURE:
ARTILLERY, ALL TYPES

(ALTCODE: 147300)

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY								
COST (M\$)	18.199	45.947	49.813	57.334	88.931	55.690	119.129	110.548

MARINE CORPS RESERVES (M) \$ S

FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09
2.214	6.350	6.884	7.924	11.578	7.696	10.509	11.522

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: PROJ, 155MM HE EX RANGE					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	13,643	80,473	65,019	40,032	50,610	42,520	68,058	84,306
COST (M\$)	6.733	31.156	29.029	18.334	22.874	19.457	33.784	28.896

The M795 is a 155mm High Explosive (HE) projectile used in the 155mm M198 Howitzer and is compatible with the XM777 Light Weight 155 Howitzer. It is used to provide conventional support fires and provides an increase in range, lethality, and accuracy.

NOTE: The M795 is currently programmed as the WRMR replacement projectile for the M107 HE projectile.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	6.733	31.156	29.029	18.334	22.874	19.457	33.784	28.896
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	6.733	31.156	29.029	18.334	22.874	19.457	33.784	28.896

AMMUNITION COST ANALYSIS (DOLLARS IN : THOUSANDS)

DATE: FEB 2003
 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 2002 (QTY 13643)			FY 2003 (QTY 80473)			FY 2004 (QTY 65019)			FY 2005 (QTY 40032)		
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL
HARDWARE												
1. LOAD ASSEMBLE & PACK (LAP)	13,643	130.69	1783	80,473	102.68	8263	65,019	118.41	7699	40,032	121.45	4862
2. PROJ M795 MPTS	14,056	228.30	3209	82,912	179.42	14876	66,989	206.91	13861	41,245	212.24	8754
3. WOODEN PALLETS	1,654	53.20	88	9,755	41.62	406	7,882	47.96	378	4,853	49.25	239
4. LIFTING PLUGS	14,056	7.68	108	82,912	6.04	501	66,989	6.96	466	41,245	7.13	294
5. SUPPLEMENTAL CHARGES	14,056	5.48	77	82,912	4.31	357	66,989	4.96	332	41,245	5.09	210
6. TNT TYPE I GRADE A (LB)	340,248	3.29	1119	2,006,949	2.58	5178	1,621,535	2.98	4832	998,374	3.06	3055
SUBTOTAL			6384			29581			27568			17414
PRODUCT												
1. PRODUCTION ENGINEERING			225			1024			951			596
2. QUALITY ASSURANCE			23			88			80			53
3. ACCEPTANCE TESTING			101			463			430			271
SUBTOTAL			349			1575			1461			920

TOTAL P-1 LINE ITEM		493.51	6733		387.16	31156		446.47	29029		457.98	18334

PROCUREMENT HISTORY & PLANNING

DATE: FEB 2003

APPROPRIATION/BUDGET ACTIVITY
 PROCUREMENT AMMUNITION, PAN&MC

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

NSN: 1320-00-000-0529
 (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 & PACK (LAP)										
FY 2002	AMERICAN ORDNANCE MIDDLETON, IA	C/FFP	ARDEC	DEC 01	FEB 03	13643	130.69	YES	NO	00
FY 2003	AMERICAN ORDNANCE MIDDLETON, IA	C/FFP	ARDEC	DEC 02	FEB 04	80473	102.68	YES	NO	00
FY 2004	AMERICAN ORDNANCE MIDDLETON, IA	C/FFP	ARDEC	DEC 03	FEB 05	65019	118.41	YES	NO	00
FY 2005	AMERICAN ORDNANCE MIDDLETON, IA	C/FFP	ARDEC	DEC 04	FEB 06	40032	121.45	YES	NO	00
2. PROJ M795 MPTS										
FY 2002	CHAMBERLAIN MFG SCRANTON, PA	C/FFP	ARDEC	DEC 01	FEB 03	14056	228.30	YES	NO	00
FY 2003	CHAMBERLAIN MFG SCRANTON, PA	C/FFP	ARDEC	DEC 02	FEB 04	82912	179.42	YES	NO	00
FY 2004	CHAMBERLAIN MFG SCRANTON, PA	C/FFP	ARDEC	DEC 03	FEB 05	66989	206.91	YES	NO	00
FY 2005	CHAMBERLAIN MFG SCRANTON, PA	C/FFP	ARDEC	DEC 04	FEB 06	41245	212.24	YES	NO	00
3. WOODEN PALLETS										
FY 2002	WOODLAND CNTR CORP AITKIN, MN	C/FFP	ARDEC	DEC 01	FEB 03	1654	53.20	YES	NO	00
FY 2003	TO BE SELECTED			00	00	9755	41.62	YES	NO	00
FY 2004	TO BE SELECTED			00	00	7882	47.96	YES	NO	00
FY 2005	TO BE SELECTED			00	00	4853	49.25	YES	NO	00
4. LIFTING PLUGS										
FY 2002	HR PRODUCTS SOUTH BEND, IN	C/FFP	ARDEC	DEC 01	FEB 03	14056	7.68	YES	NO	00
FY 2003	HR PRODUCTS SOUTH BEND, IN	C/FFP	ARDEC	DEC 02	FEB 04	82912	6.04	YES	NO	00
FY 2004	HR PRODUCTS SOUTH BEND, IN	C/FFP	ARDEC	DEC 03	FEB 05	66989	6.96	YES	NO	00
FY 2005	HR PRODUCTS SOUTH BEND, IN	C/FFP	ARDEC	DEC 04	FEB 06	41245	7.13	YES	NO	00
5. SUPPLEMENTAL CHARGES										
FY 2002	MCALESTER AAP MCALESTER, OK	C/FFP	ARDEC	DEC 01	FEB 03	14056	5.48	YES	NO	00

PROCUREMENT HISTORY & PLANNING

DATE: FEB 2003

APPROPRIATION/BUDGET ACTIVITY
 PROCUREMENT AMMUNITION, PAN&MC

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

NSN: 1320-00-000-0529
 (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
5. SUPPLEMENTAL CHARGES										
FY 2003	TO BE SELECTED			00	00	82912	4.31	YES	NO	00
FY 2004	TO BE SELECTED			00	00	66989	4.96	YES	NO	00
FY 2005	TO BE SELECTED			00	00	41245	5.09	YES	NO	00
6. TNT TYPE I GRADE A (LB)										
FY 2002	U.S. ARMY STOCK			00	00	340248	3.29	YES	NO	00
FY 2003	TO BE SELECTED			00	00	2006949	2.58	YES	NO	00
FY 2004	TO BE SELECTED			00	00	1621535	2.98	YES	NO	00
FY 2005	TO BE SELECTED			00	00	998374	3.06	YES	NO	00

Remarks:

ASSET DYNAMICS

DATE: FEB 2003

TMR : 399,343
 ACQUISITION OBJECTIVE : 399,343
 LEADTIME : 18

DODIC: D529
 DESCRIPTION: ARTILLERY, ALL TYPES

	30 SEPT 2001	FY 2002 FDP	FY 2003 FDP	FY 2004 FDP	FY 2005 FDP	FY 2006 FDP	FY 2007 FDP	FY 2008 FDP	FY 2009 FDP
BUY SUMMARY:									
UNIT PRICE:		493.51	387.16	446.47	457.98	451.97	457.60	496.40	342.75
TOTAL PRICE:		\$6,733,000	\$31,156,000	\$29,029,000	\$18,334,000	\$22,874,000	\$19,457,000	\$33,784,000	\$28,896,000
FY BUDGET QTY:		13,643	80,473	65,019	40,032	50,610	42,520	68,058	84,306
GAINS:									
FDP DELIVERIES:		0	6,821	47,058	72,746	52,526	45,321	46,565	55,289
OTHER (01 & PRIOR):		0	32,856	0	0	0	0	0	0
TOTAL:		0	39,677	47,058	72,746	52,526	45,321	46,565	55,289
LOSSES:									
COMBAT:		0	0	0	0	0	0	0	0
COMBAT ALLIES:		0	0	0	0	0	0	0	0
PEACETIME:		0	7,450	11,175	14,900	18,625	18,625	18,625	18,625
TESTING:		0	0	5,598	0	0	0	0	0
SALES:		0	0	0	0	0	0	0	0
OTHER:		0	0	0	0	0	0	0	0
TOTAL:		0	7,450	16,773	14,900	18,625	18,625	18,625	18,625
NET CHANGE (+/-)		0	32,227	30,285	57,846	33,901	26,696	27,940	36,664
ASSET POSITION:									
STD SERVICEABLE:	0	0	32,227	62,512	120,358	154,259	180,955	208,895	245,559
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	32,227	62,512	120,358	154,259	180,955	208,895	245,559
\$ VALUE:	0	\$0	\$12,477,005	\$27,909,733	\$55,121,557	\$69,720,440	\$82,805,008	\$103,695,478	\$84,165,347
RECOMMENDED BUY QTY	399,343	399,343	367,116	336,831	278,985	245,084	218,388	190,448	153,784
\$ VALUE:	\$0	\$197,079,764	\$142,132,631	\$150,384,937	\$127,769,550	\$110,770,615	\$99,934,349	\$94,538,387	\$52,709,466
DEFICIENCY A.O.	399,343	399,343	367,116	336,831	278,985	245,084	218,388	190,448	153,784
\$ VALUE:	\$0	\$197,079,764	\$142,132,631	\$150,384,937	\$127,769,550	\$110,770,615	\$99,934,349	\$94,538,387	\$52,709,466
PERCENT OF OBJECTIVE:	0%	0%	8%	16%	30%	39%	45%	52%	61%

Remarks:

EXPENDITURE DATA: FY97 FY98 FY99 FY00 FY01 SUBSTITUTES:
 . 0 0 0 0 0 IO

SUMMARY ITEM READINESS QTY
 WRMR (WAR RESERVE REQ) 375120

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: PROJ, 155MM HE					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	28,480	48,720	46,447	26,041	42,921	33,859	41,666	32,608
COST (M\$)	5.231	9.499	10.784	9.000	14.900	12.000	15.000	12.000

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.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	5.231	9.499	10.784	9.000	14.900	12.000	15.000	12.000
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	5.231	9.499	10.784	9.000	14.900	12.000	15.000	12.000

AMMUNITION COST ANALYSIS (DOLLARS IN : THOUSANDS)

DATE: FEB 2003
 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 2002 (QTY 28480)			FY 2003 (QTY 48720)			FY 2004 (QTY 46447)			FY 2005 (QTY 26041)		
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL
HARDWARE												
1. LOAD, ASSEMBLE & PACK (LAP)	28,480	62.32	1775	48,720	66.13	3222	46,447	78.76	3658	26,041	117.24	3053
2. PROJ M107 MPTS	29,050	94.73	2752	49,695	100.55	4997	47,377	119.74	5673	26,562	178.26	4735
3. * COMP B TYPE I GRADE A (LB)	487,009	2.13	1037	833,113	2.26	1883	794,245	2.69	2137	445,302	4.00	1781
4. * PLUG, SHOCK ATTENUATING	29,050	1.58	46	49,695	1.69	84	47,377	2.03	96	26,562	3.01	80
5. GROMMET	29,335	1.70	50	50,182	1.81	91	47,840	2.13	102	26,822	3.17	85
6. * SUPPLEMENTAL CHARGE	29,050	3.27	95	49,695	3.46	172	47,377	4.14	196	26,562	6.17	164
7. RECLAIM OP F/SUPL CHARGE	29,050	4.61	134	49,695	4.89	243	47,377	5.85	277	26,562	8.70	231
SUBTOTAL			5889			10692			12139			10129
PRODUCT												
1. PRODUCTION ENGINEERING			208			377			430			359
2. QUALITY ASSURANCE			2			2			3			3
3. ACCEPTANCE TESTING			205			375			425			354
4. INTERIM TRANSPORTATION			97			177			200			167
5. INDUSTRIAL STOCK SUPPORT			8			15			16			13
6. GOVERNMENT FURNISHED MATERIAL			-1178			-2139			-2429			-2025
SUBTOTAL			-658			-1193			-1355			-1129

TOTAL P-1 LINE ITEM		183.67	5231		194.97	9499		232.18	10784		345.61	9000

PROCUREMENT HISTORY & PLANNING

DATE: FEB 2003

APPROPRIATION/BUDGET ACTIVITY
 PROCUREMENT AMMUNITION, PAN&MC

P-1 ITEM NOMENCLATURE
 PROJ, 155MM HE

NSN: 1320-01-257-4222
 (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. LOAD, ASSEMBLE & PACK (LAP)										
FY 2002	AMERICAN ORDNANCE MIDDLETON, IA	SS/FP	OSC	MAR 02	FEB 03	28480	62.32	YES	NO	00
FY 2003	AMERICAN ORDNANCE MIDDLETON, IA	SS/FP	OSC	MAR 03	FEB 04	48720	66.13	YES	NO	00
FY 2004	AMERICAN ORDNANCE MIDDLETON, IA	SS/FP	OSC	MAR 04	FEB 05	46447	78.76	YES	NO	00
FY 2005	AMERICAN ORDNANCE MIDDLETON, IA	SS/FP	OSC	MAR 05	FEB 06	26041	117.24	YES	NO	00
2. PROJ M107 MPTS										
FY 2002	CHAMBERLAIN MFG SCRANTON, PA	SS/FP	OSC	MAR 02	FEB 03	29050	94.73	YES	NO	00
FY 2003	CHAMBERLAIN MFG SCRANTON, PA	SS/FP	OSC	MAR 03	FEB 04	49695	100.55	YES	NO	00
FY 2004	CHAMBERLAIN MFG SCRANTON, PA	SS/FP	OSC	MAR 04	FEB 05	47377	119.74	YES	NO	00
FY 2005	CHAMBERLAIN MFG SCRANTON, PA	SS/FP	OSC	MAR 05	FEB 06	26562	178.26	YES	NO	00
3. * COMP B TYPE I GRADE A (LB)										
FY 2002	WOODLAND CNTR CORP AITKIN, MN			00	00	487009	2.13	YES	NO	00
FY 2003	WOODLAND CNTR CORP AITKIN, MN			00	00	833113	2.26	YES	NO	00
FY 2004	WOODLAND CNTR CORP AITKIN, MN			00	00	794245	2.69	YES	NO	00
FY 2005	WOODLAND CNTR CORP AITKIN, MN			00	00	445302	4.00	YES	NO	00
4. * PLUG, SHOCK ATTENUATING										
FY 2002	WOODLAND CNTR CORP AITKIN, MN			00	00	29050	1.58	YES	NO	00
FY 2003	WOODLAND CNTR CORP AITKIN, MN			00	00	49695	1.69	YES	NO	00
FY 2004	WOODLAND CNTR CORP AITKIN, MN			00	00	47377	2.03	YES	NO	00
FY 2005	WOODLAND CNTR CORP AITKIN, MN			00	00	26562	3.01	YES	NO	00
5. GROMMET										
FY 2002	CHAMBERLAIN MFG SCRANTON, PA	SS/FP	OSC	MAR 02	FEB 03	29335	1.70	YES	NO	00

PROCUREMENT HISTORY & PLANNING

DATE: FEB 2003

APPROPRIATION/BUDGET ACTIVITY
 PROCUREMENT AMMUNITION, PAN&MC

P-1 ITEM NOMENCLATURE
 PROJ, 155MM HE

NSN: 1320-01-257-4222
 (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
5. GROMMET										
FY 2003	CHAMBERLAIN MFG SCRANTON, PA	SS/FP	OSC	MAR 03	FEB 04	50182	1.81	YES	NO	00
FY 2004	CHAMBERLAIN MFG SCRANTON, PA	SS/FP	OSC	MAR 04	FEB 05	47840	2.13	YES	NO	00
FY 2005	CHAMBERLAIN MFG SCRANTON, PA	SS/FP	OSC	MAR 05	FEB 06	26822	3.17	YES	NO	00
6. * SUPPLEMENTAL CHARGE										
FY 2002	WOODLAND CNTR CORP AITKIN, MN			00	00	29050	3.27	YES	NO	00
FY 2003	WOODLAND CNTR CORP AITKIN, MN			00	00	49695	3.46	YES	NO	00
FY 2004	WOODLAND CNTR CORP AITKIN, MN			00	00	47377	4.14	YES	NO	00
FY 2005	WOODLAND CNTR CORP AITKIN, MN			00	00	26562	6.17	YES	NO	00
7. RECLAIM OP F/SUPL CHARGE										
FY 2002	MCALESTER AAP MCALESTER, OK	SS/FP	OSC	MAR 02	FEB 03	29050	4.61	YES	NO	00
FY 2003	MCALESTER AAP MCALESTER, OK	SS/FP	OSC	MAR 03	FEB 04	49695	4.89	YES	NO	00
FY 2004	MCALESTER AAP MCALESTER, OK	SS/FP	OSC	MAR 04	FEB 05	47377	5.85	YES	NO	00
FY 2005	MCALESTER AAP MCALESTER, OK	SS/FP	OSC	MAR 05	FEB 06	26562	8.70	YES	NO	00

Remarks:

* LINES 3, 4 AND 6 GOVERNMENT FURNISHED MATERIAL

ASSET DYNAMICS

DATE: FEB 2003

TMR : 117,650
 ACQUISITION OBJECTIVE : 117,650
 LEADTIME : 18

DODIC: D544
 DESCRIPTION: ARTILLERY, ALL TYPES

	30 SEPT 2001	FY 2002 FDP	FY 2003 FDP	FY 2004 FDP	FY 2005 FDP	FY 2006 FDP	FY 2007 FDP	FY 2008 FDP	FY 2009 FDP
BUY SUMMARY:									
UNIT PRICE:		183.67	194.97	232.18	345.61	347.15	354.41	360.01	368.01
TOTAL PRICE:		\$5,231,000	\$9,499,000	\$10,784,000	\$9,000,000	\$14,900,000	\$12,000,000	\$15,000,000	\$12,000,000
FY BUDGET QTY:		28,480	48,720	46,447	26,041	42,921	33,859	41,666	32,608
GAINS:									
FDP DELIVERIES:		0	14,240	38,600	47,583	36,244	34,481	38,390	37,762
OTHER (01 & PRIOR):		0	0	0	0	0	0	0	0
TOTAL:		0	14,240	38,600	47,583	36,244	34,481	38,390	37,762
LOSSES:									
COMBAT:		0	0	0	0	0	0	0	0
COMBAT ALLIES:		0	0	0	0	0	0	0	0
PEACETIME:		74,500	67,050	63,325	59,600	55,875	55,875	55,875	55,875
TESTING:		476	572	6,376	1,076	572	492	0	0
SALES:		0	0	0	0	0	0	0	0
OTHER:		0	0	0	0	0	0	0	0
TOTAL:		74,976	67,622	69,701	60,676	56,447	56,367	55,875	55,875
NET CHANGE (+/-)		-74,976	-53,382	-31,101	-13,093	-20,203	-21,886	-17,485	-18,113
ASSET POSITION:									
STD SERVICEABLE:	272,622	197,646	144,264	113,163	100,070	79,867	57,981	40,496	22,383
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:	272,622	197,646	144,264	113,163	100,070	79,867	57,981	40,496	22,383
\$ VALUE:	0	\$36,301,641	\$28,127,152	\$26,274,185	\$34,585,193	\$27,725,829	\$20,549,046	\$14,578,965	\$8,237,168
RECOMMENDED BUY QTY	-154,972	-79,996	-26,614	4,487	17,580	37,783	59,669	77,154	95,267
\$ VALUE:	\$0	(\$14,692,865)	(\$5,188,932)	\$1,041,792	\$6,075,824	\$13,116,368	\$21,147,290	\$27,776,212	\$35,059,209
DEFICIENCY A.O.	-154,972	-79,996	-26,614	4,487	17,580	37,783	59,669	77,154	95,267
\$ VALUE:	\$0	(\$14,692,865)	(\$5,188,932)	\$1,041,792	\$6,075,824	\$13,116,368	\$21,147,290	\$27,776,212	\$35,059,209
PERCENT OF OBJECTIVE:	232%	168%	123%	96%	85%	68%	49%	34%	19%

Remarks:

EXPENDITURE DATA: FY97 FY98 FY99 FY00 FY01 SUBSTITUTES
 . 84145 86144 84250 81275 78616 IO

SUMMARY ITEM READINESS QTY
 WRMR (WAR RESERVE REQ) 0

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: PROJ, 155MM SMOKE WP					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	12,381	10,180	4,745	4,462	2,985	0	0	0
COST (M\$)	6.162	5.292	3.000	3.000	2.100	.000	.000	.000

The Projectile, 155mm Smoke White Phosphorus (WP) M110A2 (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 M110A2 projectile is fired from the 155mm M198 Howitzer.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	6.162	5.292	3.000	3.000	2.100	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\$)	6.162	5.292	3.000	3.000	2.100	0.000	0.000	0.000

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: 155MM MOD ARTY CHG SYS M231					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	0	0	48,532	190,658	233,918	91,827	146,429	88,427
COST (M\$)	.073	.000	4.000	16.000	20.000	8.000	13.000	8.000

The M231 is a Low-Zone Modular Artillery Charge System (MACS) used as a propelling charge for 155mm family of artillery projectiles. The M231 is used at lower zones (1 or 2 increments at a time) and is based on the classical unicharge design, i.e. bi-directional center core ignition, granular propellant contained in a rigid combustible case. MACS will offer improvements in logistics, range, and simplicity when compared to existing bag propellants (M203 series, M119 series, M3 series and M4 series).

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.073	0.000	4.000	16.000	20.000	8.000	13.000	8.000
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.073	0.000	4.000	16.000	20.000	8.000	13.000	8.000

AMMUNITION COST ANALYSIS (DOLLARS IN : THOUSANDS)

DATE: FEB 2003
 NSN: 1320-01-454-4603
 (DA12)

APPROPRIATION BUDGET ACTIVITY:
 PROCUREMENT AMMUNITION, ARDEC

P-1 ITEM NOMENCLATURE:
 155MM MOD ARTY CHG SYS M231

ELEMENT OF COST QM: EA	FY 2002 (QTY 0)			FY 2003 (QTY 0)			FY 2004 (QTY 48532)			FY 2005 (QTY 190658)		
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL
HARDWARE												
1. M231 MACS	0	0.00	0	0	0.00	0	48,532	75.43	3661	190,658	76.81	14644
SUBTOTAL			0			0			3661			14644
PRODUCT												
1. PRODUCTION ENGINEERING			0			0			183			732
2. QUALITY ASSURANCE			0			0			33			133
3. ACCEPTANCE TESTING			0			0			123			491
4. WSESRB TESTING/CERTIFICATION			73			0			0			0
SUBTOTAL			73			0			339			1356

TOTAL P-1 LINE ITEM		0.00	73		0.00	0		82.42	4000		83.92	16000

PROCUREMENT HISTORY & PLANNING

DATE: FEB 2003

APPROPRIATION/BUDGET ACTIVITY
 PROCUREMENT AMMUNITION, PAN&MC

P-1 ITEM NOMENCLATURE
 155MM MOD ARTY CHG SYS M231

NSN: 1320-01-454-4603
 (DA12)

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.	M231 MACS									
FY 2004	TO BE SELECTED	SS/FP	ARDEC	MAR 04	AUG 05	48532	75.43	YES	NO	00
FY 2005	TO BE SELECTED	SS/FP	ARDEC	MAR 05	AUG 06	190658	76.81	YES	NO	00

Remarks:

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: 155MM MOD ARTY CHG SYS M232					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	0	0	27,811	97,587	235,660	104,980	167,645	131,027
COST (M\$)	.000	.000	3.000	11.000	27.075	12.290	20.000	15.929

The M232 is a Top-Zone Modular Artillery Charge System (MACS) used as a propelling charge for 155mm family of artillery projectiles. The M232 is used at higher zones (3, 4, 5 or 6 increments at a time) and is based on the classical unicharge design, i.e. bi-directional center core ignition, granular propellant contained in a rigid combustible case. MACS will offer improvements in logistics, range, and simplicity when compared to existing bag propellants (M203 series, M119 series, M3 series and M4 series).

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.000	0.000	3.000	11.000	27.075	12.290	20.000	15.929
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.000	3.000	11.000	27.075	12.290	20.000	15.929

AMMUNITION COST ANALYSIS (DOLLARS IN : THOUSANDS)

DATE: FEB 2003
 NSN: 1320-01-457-4063
 (DA13)

APPROPRIATION BUDGET ACTIVITY:
 PROCUREMENT AMMUNITION, ARDEC

P-1 ITEM NOMENCLATURE:
 155MM MOD ARTY CHG SYS M232

ELEMENT OF COST QM: EA	FY 2002 (QTY 0)			FY 2003 (QTY 0)			FY 2004 (QTY 27811)			FY 2005 (QTY 97587)		
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL
HARDWARE												
1. M232 MACS	0	0.00	0	0	0.00	0	27,811	99.24	2760	97,587	103.70	10120
SUBTOTAL			0			0			2760			10120
PRODUCT												
1. PRODUCTION ENGINEERING			0			0			130			476
2. QUALITY ASSURANCE			0			0			23			86
3. ACCEPTANCE TESTING			0			0			87			318
SUBTOTAL			0			0			240			880

TOTAL P-1 LINE ITEM		0.00	0		0.00	0		107.87	3000		112.72	11000

PROCUREMENT HISTORY & PLANNING

DATE: FEB 2003

APPROPRIATION/BUDGET ACTIVITY
 PROCUREMENT AMMUNITION, PAN&MC

P-1 ITEM NOMENCLATURE
 155MM MOD ARTY CHG SYS M232

NSN: 1320-01-457-4063
 (DA13)

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. M232 MACS										
FY 2004	TO BE SELECTED	SS/FP	ARDEC	MAR 04	AUG 05	27811	99.24	YES	NO	00
FY 2005	TO BE SELECTED	SS/FP	ARDEC	MAR 05	AUG 06	97587	103.70	YES	NO	00

Remarks:

ASSET DYNAMICS

DATE: FEB 2003

TMR : 695,377
 ACQUISITION OBJECTIVE : 695,377
 LEADTIME : 24

DODIC: DA13
 DESCRIPTION: ARTILLERY, ALL TYPES

	30 SEPT 2001	FY 2002 FDP	FY 2003 FDP	FY 2004 FDP	FY 2005 FDP	FY 2006 FDP	FY 2007 FDP	FY 2008 FDP	FY 2009 FDP
BUY SUMMARY:									
UNIT PRICE:		0.00	0.00	107.87	112.72	114.89	117.07	119.30	121.57
TOTAL PRICE:		\$0	\$0	\$3,000,000	\$11,000,000	\$27,075,000	\$12,290,000	\$20,000,000	\$15,929,000
FY BUDGET QTY:		0	0	27,811	97,587	235,660	104,980	167,645	131,027
GAINS:									
FDP DELIVERIES:		0	0	0	0	27,811	97,587	235,660	104,980
OTHER (01 & PRIOR):		0	0	0	0	0	0	0	0
TOTAL:		0	0	0	0	27,811	97,587	235,660	104,980
LOSSES:									
COMBAT:		0	0	0	0	0	0	0	0
COMBAT ALLIES:		0	0	0	0	0	0	0	0
PEACETIME:		0	0	0	0	62,182	124,363	124,363	124,363
TESTING:		0	0	0	0	0	0	0	0
SALES:		0	0	0	0	0	0	0	0
OTHER:		0	0	0	0	0	0	0	0
TOTAL:		0	0	0	0	62,182	124,363	124,363	124,363
NET CHANGE (+/-)		0	0	0	0	-34,371	-26,776	111,297	-19,383
ASSET POSITION:									
STD SERVICEABLE:	0	0	0	0	0	0	0	111,297	91,914
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	0	0	0	0	111,297	91,914
\$ VALUE:	0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,277,732	\$11,173,985
RECOMMENDED BUY QTY	695,377	695,377	695,377	695,377	695,377	695,377	695,377	584,080	603,463
\$ VALUE:	\$0	\$0	\$0	\$75,010,317	\$78,382,895	\$79,891,864	\$81,407,785	\$69,680,744	\$73,362,997
DEFICIENCY A.O.	695,377	695,377	695,377	695,377	695,377	695,377	695,377	584,080	603,463
\$ VALUE:	\$0	\$0	\$0	\$75,010,317	\$78,382,895	\$79,891,864	\$81,407,785	\$69,680,744	\$73,362,997
PERCENT OF OBJECTIVE:	0%	0%	0%	0%	0%	0%	0%	16%	13%

Remarks:

EXPENDITURE DATA: FY97 FY98 FY99 FY00 FY01 SUBSTITUTES
 . 0 0 0 0 0 IO

SUMMARY ITEM READINESS QTY
 WRMR (WAR RESERVE REQ) 549111

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: (ALTCODE: 147500) CTG, .30MM ALL TYPES (AAAV)						
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY								
COST (M\$)	0.000	0.000	0.000	2.536	5.824	9.470	28.275	14.419

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 30MM TP-T F/AAAV					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	0	0	0	116,400	112,949	135,499	165,631	219,715
COST (M\$)	.000	.000	.000	1.309	1.286	1.562	1.943	2.621

Target Practice - Tracer (TP-T) provides a low cost round to train and sustain AAAV crews in perishable gunnery skills. The TP-T round has an inert full-bore projectile which allows it to be fired at ranges and facilities without the concern of unexploded ordnance associated with High Explosive ammunition, nor the distance of flight issues associated with Armor Piercing Fin Stabilized Discarding Sabot-Tracer round.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.000	0.000	0.000	1.309	1.286	1.562	1.943	2.621
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.000	0.000	1.309	1.286	1.562	1.943	2.621

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 30MM SAPHE-T F/AAAV					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	0	0	0	8,661	25,303	45,263	154,549	69,473
COST (M\$)	.000	.000	.000	.984	2.829	4.989	16.748	6.710

The Semi-Armor Piercing High Explosive - Tracer (SAPHE-T) is the AAAV's main round. The SAPHE is a full-bore hardened nose steel projectile filled with an explosive main charge with a mechanical base fuze. This round combines the strengths of a standard High Explosive round against the AAAV's prime target (infantry) with the ability to penetrate soft to medium armor targets like light armored vehicles and fortified emplacements which are too "soft" for the APFSDS-T round or where an explosive effect is required. When fired against soft targets, the SAPHE produces many, relatively small fragments producing lethality levels equal to a standard 30mm high explosive round. The combination of the hardened nose and a base fuze functioning with a slight delay, allows the SAPHE to penetrate inside hardened targets.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.000	0.000	0.000	0.984	2.829	4.989	16.748	6.710
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.000	0.000	0.984	2.829	4.989	16.748	6.710

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 30MM APFSDS-T F/AAAV					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	0	0	0	1,000	7,701	14,121	47,583	24,791
COST (M\$)	.000	.000	.000	.243	1.709	2.919	9.584	5.088

The kinetic energy Armor Piercing Fin Stabilized Discarding Sabot - Tracer (APFSDS-T) round will be utilized by the AAV to defeat extremely "hard" targets such as infantry fighting vehicles. The APFSDS-T round utilizes a long rod type of penetrator, which provides a highly effective means of deep penetration into materials such as metals (steel, RHA, etc.), concrete, ceramic, and other highly resistant target materials. Unlike most APFSDS-T rods which are made of Depleted Uranium (DU), these rods are fabricated from a hardened tungsten alloy, a high density "heavy metal" which produces significant penetration capabilities without the associated concerns of DU.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.000	0.000	0.000	0.243	1.709	2.919	9.584	5.088
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.000	0.000	0.243	1.709	2.919	9.584	5.088

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: (ALTCODE: 150000) DEMOLITIONS ALL TYPES						
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY								
COST (M\$)	4.459	4.020	3.752	3.373	3.539	2.795	12.601	2.903

MARINE CORPS RESERVES (M) \$ S

FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09
0.748	0.301	0.281	0.253	0.265	0.209	0.213	0.217

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: COMBAT BREACHER VEHICLE					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	0	0	0	0	0	0	0	0
COST (M\$)	.000	.000	.050	.245	.242	.000	.000	.000

The Combat Breacher Vehicle is equipped with two linear charges, a .50 cal machine gun, and smoke grenade launchers. This funding procures the munition to support development of the CBV.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.000	0.000	0.050	0.245	0.242	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	0.050	0.245	0.242	0.000	0.000	0.000

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CAP, BLASTING ELECTRIC					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	0	0	44,603	47,596	96,805	45,579	44,723	43,879
COST (M\$)	.236	.082	1.000	1.000	2.000	1.000	1.000	1.000

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 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 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.236	0.082	1.000	1.000	2.000	1.000	1.000	1.000
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.236	0.082	1.000	1.000	2.000	1.000	1.000	1.000

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CAP, BLASTING NON-ELECTRIC					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	0	383,490	358,112	268,909	141,280	214,873	1,375,653	219,953
COST (M\$)	.000	2.857	2.693	2.119	1.280	1.777	11.583	1.885

The Cap, Blasting Non-Electric M7 (DODIC M131) is used to detonate high explosives and is initiated by time-blasting fuse.

The M7 Blasting Cap consists of an aluminum alloy tube containing a base charge of RDX or PETN, a priming charge, and an ignition charge. The flame from a time blasting fuse or firing device is transferred to ignition charge in the cap. The ignition charge ignites the priming charge, which in turn detonates the base charge. The M7 is flared at the mouth to allow easier insertion of time fuse.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.000	2.857	2.693	2.119	1.280	1.777	11.583	1.885
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	2.857	2.693	2.119	1.280	1.777	11.583	1.885

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: IGNITER, TIME FUZE BLASTING					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	255,197	203,289	2,875	2,961	5,592	5,921	5,921	5,921
COST (M\$)	.712	.618	.009	.009	.017	.018	.018	.018

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 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.712	0.618	0.009	0.009	0.017	0.018	0.018	0.018
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.712	0.618	0.009	0.009	0.017	0.018	0.018	0.018

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/
PROCUREMENT, PAN&MC

P-1 NOMENCLATURE:
FUZES ALL TYPES

(ALTCODE: 162500)

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY								
COST (M\$)	0.000	0.609	4.397	14.177	14.933	9.629	15.519	11.115

MARINE CORPS RESERVES (M) \$ S

FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09
0.000	0.082	0.723	2.329	2.453	1.582	2.550	1.826

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: MOFA					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	0	0	18,201	60,754	59,270	37,959	61,625	43,931
COST (M\$)	.000	.609	4.397	14.177	14.933	9.629	15.519	11.115

The M782 Multi-Option Fuze for Artillery (MOFA) M782 (DODIC NA09) is compatible with all current 105mm and 155mm bursting type artillery projectiles and is fired from the M198 155MM Medium Towed Howitzer and is compatible with the Lightweight Towed Howitzer Weapon System. It employs state-of-the-art advanced electronic technologies including Millimeter-wave Monolithic Integrated Circuit (MMIC) transceiver, patch antenna, harmonic signal processor and liquid reserve battery. Together, these devices provide immunity to electronic counter measures, enhance overall system performance, and improve producibility through the use of a modular design. The MOFA is inductively set in either the Proximity, Electronic Time, Point Detonating, or Delay mode. As a singular replacement for five different fuzes in the Marine Corps' inventory, the MOFA will reduce the logistical footprint and artillery ammunition handling requirements.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.000	0.609	4.397	14.177	14.933	9.629	15.519	11.115
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.609	4.397	14.177	14.933	9.629	15.519	11.115

AMMUNITION COST ANALYSIS (DOLLARS IN : THOUSANDS)

DATE: FEB 2003
 NSN: 1390-01-462-069
 (NA09)

APPROPRIATION BUDGET ACTIVITY:
 PROCUREMENT AMMUNITION, ARDEC

P-1 ITEM NOMENCLATURE:
 MULTI-OPT FUZE F/ARTILLERY

ELEMENT OF COST QM: EA	FY 2002 (QTY 0)			FY 2003 (QTY 0)			FY 2004 (QTY 18201)			FY 2005 (QTY 60754)		
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL
HARDWARE												
1. M782 MOFA	0	0.00	0	0	0.00	0	18,201	222.24	4045	60,754	214.69	13043
SUBTOTAL			0			0			4045			13043
PRODUCT												
1. PRODUCTION ENGINEERING			0			0			213			684
2. QUALITY ASSURANCE			0			0			48			156
3. ACCEPTANCE TESTING			0			0			91			294
4. WSESRB TESTING			0			150			0			0
5. SUPPORT EQUIPMENT (PIAFS)			0			459			0			0
SUBTOTAL			0			609			352			1134

TOTAL P-1 LINE ITEM		0.00	0		0.00	609		241.58	4397		233.35	14177

PROCUREMENT HISTORY & PLANNING

DATE: FEB 2003

APPROPRIATION/BUDGET ACTIVITY
 PROCUREMENT AMMUNITION, PAN&MC

P-1 ITEM NOMENCLATURE
 MOFA

NSN: 1390-01-462-069
 (NA09)

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.	M782 MOFA									
FY 2004	TO BE SELECTED	SS/FP	ARDEC	MAR 04	FEB 05	18201	222.24	YES	NO	00
FY 2005	TO BE SELECTED	SS/FP	ARDEC	MAR 05	FEB 06	60754	214.69	YES	NO	00

Remarks:

TMR : 159,906
 ACQUISITION OBJECTIVE : 159,906
 LEADTIME : 18

DODIC: NA09
 DESCRIPTION: FUZES ALL TYPES

	30 SEPT 2001	FY 2002 FDP	FY 2003 FDP	FY 2004 FDP	FY 2005 FDP	FY 2006 FDP	FY 2007 FDP	FY 2008 FDP	FY 2009 FDP
BUY SUMMARY:									
UNIT PRICE:		0.00	0.00	241.58	233.35	251.95	253.67	251.83	253.01
TOTAL PRICE:		\$0	\$609,000	\$4,397,000	\$14,177,000	\$14,933,000	\$9,629,000	\$15,519,000	\$11,115,000
FY BUDGET QTY:		0	0	18,201	60,754	59,270	37,959	61,625	43,931
GAINS:									
FDP DELIVERIES:		0	0	0	9,101	39,477	60,012	48,614	49,792
OTHER (01 & PRIOR):		0	0	0	0	0	0	0	0
TOTAL:		0	0	0	9,101	39,477	60,012	48,614	49,792
LOSSES:									
COMBAT:		0	0	0	0	0	0	0	0
COMBAT ALLIES:		0	0	0	0	0	0	0	0
PEACETIME:		0	0	0	0	29,129	29,129	29,129	29,129
TESTING:		0	0	0	0	0	0	0	0
SALES:		0	0	0	0	0	0	0	0
OTHER:		0	0	0	0	0	0	0	0
TOTAL:		0	0	0	0	29,129	29,129	29,129	29,129
NET CHANGE (+/-)		0	0	0	9,101	10,348	30,883	19,485	20,663
ASSET POSITION:									
STD SERVICEABLE:	0	0	0	0	9,101	19,449	50,332	69,817	90,480
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	0	9,101	19,449	50,332	69,817	90,480
\$ VALUE:	0	\$0	\$0	\$0	\$2,123,718	\$4,900,176	\$12,767,718	\$17,582,015	\$22,892,345
RECOMMENDED BUY QTY	159,906	159,906	159,906	159,906	150,805	140,457	109,574	90,089	69,426
\$ VALUE:	\$0	\$0	\$0	\$38,630,091	\$35,190,347	\$35,388,141	\$27,795,637	\$22,687,113	\$17,565,472
DEFICIENCY A.O.	159,906	159,906	159,906	159,906	150,805	140,457	109,574	90,089	69,426
\$ VALUE:	\$0	\$0	\$0	\$38,630,091	\$35,190,347	\$35,388,141	\$27,795,637	\$22,687,113	\$17,565,472
PERCENT OF OBJECTIVE:	0%	0%	0%	0%	6%	12%	31%	44%	57%

Remarks:

EXPENDITURE DATA: FY97 FY98 FY99 FY00 FY01 SUBSTITUTES:
 0 0 0 0 0 IO

SUMMARY ITEM READINESS QTY
 WRMR (WAR RESERVE REQ) 130777

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/
PROCUREMENT, PAN&MC

P-1 NOMENCLATURE:
NON-LETHAL MUNITIONS

(ALTCODE: 162800)

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY								
COST (M\$)	4.176	5.313	3.671	4.166	4.252	3.797	3.858	3.935

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG 12 GA BEAN BAG, NON LETHAL					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	46,436	32,397	42,333	41,068	41,247	42,052	97,847	37,573
COST (M\$)	.215	.150	.196	.200	.205	.209	.500	.192

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, M590, and M870 12 gauge auto-loading and pump action shotguns. 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 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.215	0.150	0.196	0.200	0.205	0.209	0.500	0.192
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.215	0.150	0.196	0.200	0.205	0.209	0.500	0.192

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG. 12 GA BLANK LAUNCHING					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	8,647	18,315	10,753	10,490	10,616	10,702	9,804	9,615
COST (M\$)	.023	.050	.030	.030	.031	.032	.030	.030

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, M590, and M870 12 gauge, Auto loading, and Pump-action Shotguns 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 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.023	0.050	0.030	0.030	0.031	0.032	0.030	0.030
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.023	0.050	0.030	0.030	0.031	0.032	0.030	0.030

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: CTG, 12 GA RUBBER, FIN STABILIZED						
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	41,590	24,159	23,881	29,851	47,761	58,209	58,209	57,522
COST (M\$)	.136	.079	.080	.100	.160	.195	.195	.195

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, M590, and M870 12-gauge, auto loading, and pump-action shotguns. 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 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.136	0.079	0.080	0.100	0.160	0.195	0.195	0.195
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.136	0.079	0.080	0.100	0.160	0.195	0.195	0.195

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG, 40MM FOAM RUBBER BATON, NON-L					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	34,615	20,118	80,958	94,655	59,848	59,848	58,140	58,140
COST (M\$)	.405	.170	.727	.850	.550	.550	.550	.550

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 plastic gas check. 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 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.405	0.170	0.727	0.850	0.550	0.550	0.550	0.550
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.405	0.170	0.727	0.850	0.550	0.550	0.550	0.550

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CTG,40MM RUBBER BALL, NON-LETHAL					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	0	0	68,452	60,119	61,850	60,045	59,978	58,201
COST (M\$)	.005	.000	.575	.505	.535	.535	.550	.550

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 plastic gas check, 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 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.005	0.000	0.575	0.505	0.535	0.535	0.550	0.550
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.005	0.000	0.575	0.505	0.535	0.535	0.550	0.550

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: CHARGE, DIVERSIONARY MK 141/0					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	0	26,300	19,683	595	5,186	13,114	27,955	32,227
COST (M\$)	.000	1.052	.807	.025	.223	.577	1.230	1.418

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 enchased with adhesive aluminum foil.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.000	1.052	0.807	0.025	0.223	0.577	1.230	1.418
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	1.052	0.807	0.025	0.223	0.577	1.230	1.418

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: RIOT CONTROL (CS) GRENADE L96						
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	0	1,916	715	825	871	767	0	0
COST (M\$)	.000	.151	.058	.069	.075	.068	.000	.000

The FZ14, L96E1 grenade is 66mm in diameter (2.6 in), is 185mm (7.28in) long, and weighs 570 grams (1.25 lbs). It is comprised of a 66mm glass filled nylon propulsion base and a cylindrical rubber body containing the payload. The propulsion base and a cylindrical rubber body containing the payload. The propulsion base contains a gun powder propellant charge, an electric match (fuze) and a gun powder delay. The rubber body payload contains 23 individually fuzed, filled with tear gas, a CS compound.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.000	0.151	0.058	0.069	0.075	0.068	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	0.151	0.058	0.069	0.075	0.068	0.000	0.000

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: PRAC RIOT CONTRL (CS) GREN L97					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	2,313	1,051	658	702	718	662	1,147	0
COST (M\$)	.130	.079	.051	.056	.059	.056	.100	.000

The FZ15, L97E1 is identical in configuration to the L96E1 grenade. However, the L97E1 contains cinnamic acid (CA) which is a CS stimulant, non-irritant smoke and weighs 570 grams (1.25 lbs). It is comprised of a 66mm glass filled nylon propulsion base and a cylindrical rubber body containing a payload. The propulsion base contains a gun propellant charge, an electric match (fuze) and a gun powder delay.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.130	0.079	0.051	0.056	0.059	0.056	0.100	0.000
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.130	0.079	0.051	0.056	0.059	0.056	0.100	0.000

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: DISTRACTION GREN, M98 F/LVOS					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	826	968	709	833	415	340	515	0
COST (M\$)	.117	.167	.126	.150	.076	.064	.100	.000

The M98 distraction grenade uses the same propulsion base as the M90 grenade, which contains electrical firing contacts and holds the grenade in the 66-mm grenade launcher. The propulsion base contacts complete the electrical firing circuit for the electric match, which initiates the propulsion propellant. Immediately above the propulsion base is a pusher plate, and immediately above the pusher plate are three payload canisters. The entire design is encapsulated in an aluminum tube, with a cap crimped on one end and the propulsion base crimped into the other end. Once initiated, the propellant propels the pusher plate and the three canisters through the aluminum tube. Multiple holes in the pusher plate and a hole in each canister allow the launch propellant to push off the end cap and ignite the three pyrotechnic delays within the canisters. The delays are designed to allow the canisters to achieve maximum range and impact the ground before functioning.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.117	0.167	0.126	0.150	0.076	0.064	0.100	0.000
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.117	0.167	0.126	0.150	0.076	0.064	0.100	0.000

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: BLUNT TRAUMA GREN, M99 F/LVOS					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	1,533	4,058	1,407	650	748	644	0	0
COST (M\$)	.200	.700	.250	.119	.141	.125	.000	.000

The M99 blunt trauma grenade uses the same propulsion base as the M90 grenade, which contains electrical firing contacts and holds the grenade in the 66-mm grenade launcher. The propulsion base contacts complete the electrical firing circuit for the electric match, which initiates the propulsion propellant. Immediately above the propulsion base is a pusher plate, and immediately above the pusher plate are three payload canisters. The entire design is encapsulated in an aluminum tube, with a cap crimped on one end and the propulsion base crimped into the other end. Once initiated, the propellant propels the pusher plate and the three canisters through the aluminum tube. Multiple holes in the pusher plate and a hole in each canister allow the launch propellant to push off the end cap and ignite the three pyrotechnic delays within the canisters. The delays allow the canisters to achieve maximum range and impact the ground before functioning.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.200	0.700	0.250	0.119	0.141	0.125	0.000	0.000
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.200	0.700	0.250	0.119	0.141	0.125	0.000	0.000

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: SMOKE GRENADE, M90 F/LVOS					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	2,960	3,706	2,299	1,116	1,702	1,462	0	0
COST (M\$)	.250	.313	.200	.100	.157	.139	.000	.000

The M90 Smoke Grenade is a 66mm, soft launched, non-fragmenting, pyrotechnic smoke dispenser. The M90 screening smoke grenade is a 66mm electrically initiated, soft launched, non-fragmenting, pyrotechnic smoke grenade which creates an obscurant cloud for the LVOSS. The M90 grenade consists of an aluminum body which houses the launch system and three individually dual-ported, core burning smoke canisters containing the screening payload, a Terephthalic Acid (TPA) smoke mix. The grenade is initiated by an electric match, which in turn initiates 1.38 grams of Class 4 Black Powder used for propulsion and to initiate impregnated patches made of Potassium Nitrate, Charcoal, and Gum Arabic Solution, which initiate each of the canisters.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.250	0.313	0.200	0.100	0.157	0.139	0.000	0.000
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.250	0.313	0.200	0.100	0.157	0.139	0.000	0.000

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: GREN, HAND, RUBBER BALL NLW					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	28,256	10,041	8,004	35,968	50,847	21,490	10,169	0
COST (M\$)	.833	.296	.243	1.092	1.475	.672	.318	.000

The Grenade, Rubber Ball Non-Lethal (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 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.833	0.296	0.243	1.092	1.475	0.672	0.318	0.000
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.833	0.296	0.243	1.092	1.475	0.672	0.318	0.000

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: GREN, HAND, PRAC, NON-LETHAL					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	38,525	13,024	1,214	64,167	24,231	24,231	8,065	32,258
COST (M\$)	.423	.143	.017	.770	.315	.315	.125	.500

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 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.423	0.143	0.017	0.770	0.315	0.315	0.125	0.500
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.423	0.143	0.017	0.770	0.315	0.315	0.125	0.500

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: FUZE, GRENADE DETONATING					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	107,692	126,979	86,872	26,596	63,291	62,802	38,647	116,279
COST (M\$)	.350	.433	.311	.100	.250	.260	.160	.500

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 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	0.350	0.433	0.311	0.100	0.250	0.260	0.160	0.500
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.350	0.433	0.311	0.100	0.250	0.260	0.160	0.500

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT,	PAN&MC		P-1 NOMENCLATURE: AMMO MOD					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
QUANTITY	0	0	0	0	0	0	0	0
COST (M\$)	7.096	6.870	7.116	7.263	7.291	7.401	7.497	7.631

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.

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CONSUMPTION	7.096	6.870	7.116	7.263	7.291	7.401	7.497	7.631
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	7.096	6.870	7.116	7.263	7.291	7.401	7.497	7.631

PROGRAM COST BREAK-DOWN

FEB 2003

APPROPRIATION/ PAN&MC
PROCUREMENT

P-1 ITEM NOMENCLATURE
AMMO MOD

(163000)

ELEMENT OF COST	IDEN CODE	(TOTAL COST IN MILLIONS OF DOLLARS)							
		FY - 2002		FY - 2003		FY - 2004		FY - 2005	
		QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
AM04	COMPONENTS AMMO MOD	0	2.037	0	1.748	0	1.889	0	1.938
AM05	MISSILE COMP AMMO MOD	0	2.036	0	1.747	0	1.889	0	1.937
AM06	QUAL EVAL AMMO MOD	0	3.023	0	3.375	0	3.338	0	3.338
	TOTAL VALUE	0	7.096	0	6.870	0	7.116	0	7.263

BUDGET ITEM JUSTIFICATION SHEET

FEB 2003

APPROPRIATION/ PROCUREMENT, PAN&MC		P-1 NOMENCLATURE: ITEMS LESS THAN \$5 MILLION							(ALTCODE: 166000)
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	
QUANTITY									
COST (M\$)	2.651	1.589	1.616	1.773	1.448	1.284	1.306	1.332	

MARINE CORPS RESERVES (M) \$ S

FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09
0.105	0.136	0.142	0.156	0.128	0.114	0.116	0.119

PROGRAM COST BREAK-DOWN

FEB 2003

APPROPRIATION/ PAN&MC
PROCUREMENT

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

(166000)

ELEMENT OF COST	IDEN CODE	(TOTAL COST IN MILLIONS OF DOLLARS)							
		FY - 2002		FY - 2003		FY - 2004		FY - 2005	
		QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
A001	RIFLE TEAM AMMUNITION	0	0.187	0	0.189	0	0.266	0	0.249
A011	CTG, 12 GAGE #00 BUCKSHOT	1196097	0.400	1430303	0.472	1188911	0.399	1162003	0.399
DRUG	DRUG INTERDICTION	0	1.000	0	0.000	0	0.000	0	0.000
MN01	SCENT KIT EXPL DETECT DOG	18	0.018	38	0.038	202	0.200	202	0.200
MSGB	MARINE SECURITY GUARD BATTALION	0	0.395	0	0.390	0	0.362	0	0.359
A475	CTG, CAL .45 BALL	0	0.000	0	0.000	1620833	0.389	2358333	0.566
FDC	FIRST DEST TRANS CHARGE	0	0.651	0	0.500	0	0.000	0	0.000
	TOTAL VALUE		2.651		1.589		1.616		1.773