

DEPARTMENT OF THE NAVY  
FY 1999 AMENDED BUDGET ESTIMATES



JUSTIFICATION OF ESTIMATES  
FEBRUARY 1998

PROCUREMENT, MARINE CORPS  
BUDGET ACTIVITY 6:  
ENGINEER & OTHER EQUIPMENT

UNCLASSIFIED

Department of the Navy

FY 1999 Procurement Program

Exhibit P-1

APPROPRIATION: 1109N Procurement, Marine Corps

DATE: 01/23/98

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 1999 UNIT COST	TOA, \$ IN MILLIONS						
				-----FY 1997-----		-----FY 1998-----		-----FY 1999-----		
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	S E C
BUDGET ACTIVITY 06: Engineer and Other Equipment										
-----										
Engineer And Other Equipment										
42	6054 Environmental Control Equip Assort	A			2.1		1.9		3.0	U
43	6274 Bulk Liquid Equipment	A			-		7.7		-	U
44	6325 Advanced Demolition Kits	A			-		-		2.9	U
45	6366 Power Equipment Assorted	A			8.0		3.5		5.1	U
46	6370 Shop Eq Contact Maintenance (SECM)	A			-		-		6.0	U
Materials Handling Equipment										
47	6432 Command Support Equipment	A			.5		.6		.5	U
48	6434 Amphibious Raid Equipment	A			.8		-		3.7	U
49	6438 Physical Security Equipment	A			6.0		1.5		1.9	U
50	6441 Garrison Mobile Engr Equip	A			5.1		2.9		5.5	U
51	6456 Warehouse Modernization	A			1.1		1.5		1.5	U
52	6462 Material Handling Equip	A			3.1		5.1		6.5	U
53	6468 First Destination Transportation	A			2.2		1.4		1.9	U
General Property										
54	6522 Field Medical Equipment	A			10.0		10.8		2.2	U
55	6532 Training Devices	B			50.7		5.8		3.3	U
56	6543 Container Family	A			7.1		6.1		7.1	U
Other Support										
57	6654 Modification Kits	A			1.6		1.2		1.2	U
58	6669 Items Less Than \$2 Mil	A			1.0		.7		1.9	U

UNCLASSIFIED

Department of the Navy

FY 1999 Procurement Program

Exhibit P-1

APPROPRIATION: 1109N Procurement, Marine Corps

DATE: 01/23/98

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 1999 UNIT COST	TOA, \$ IN MILLIONS						S E C
				-----FY 1997-----		-----FY 1998-----		-----FY 1999-----		
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
59	6693 Cancelled Account Adjustment (M)				.8		-			- U
TOTAL	Engineer and Other Equipment				99.9		50.8		54.1	

UNCLASSIFIED

Department of the Navy

FY 1999 Procurement Program - Reserve Component

Exhibit P-1R

APPROPRIATION: 1109N Procurement, Marine Corps

DATE: 01/23/98

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 1999 UNIT COST	TOA, \$ IN MILLIONS						
				-----FY 1997-----		-----FY 1998-----		-----FY 1999-----		S E C
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
BUDGET ACTIVITY 06: Engineer and Other Equipment										
-----										
Engineer And Other Equipment										
15	6054 Environmental Control Equip Assort(RESERVE)	A			-		.2			.3 U
16	6325 Advanced Demolition Kits(RESERVE)	A			-		-			.5 U
17	6366 Power Equipment Assorted(RESERVE)	A			.4		.2			.3 U
General Property										
18	6532 Training Devices(RESERVE)	B			.7		-			- U
19	6543 Container Family(RESERVE)	A			1.8		.8			1.1 U
Other Support										
20	6654 Modification Kits(RESERVE)	A			.2		.2			.2 U
TOTAL Engineer and Other Equipment					3.0		1.5			2.4

Procurement, Marine Corps  
Program and Financing (in Thousands of dollars)

Identification code	17-1109-0-1-051	Budget Plan (amounts for PROCUREMENT actions programed)			Obligations		
		1997 actual	1998 est.	1999 est.	1997 actual	1998 est.	1999 est.
Program by activities:							
Direct program:							
00.0201	Weapons and combat vehicles	31,960	30,427	111,132	41,251	24,881	104,374
00.0301	Guided missiles and equipment	53,285	66,142	84,041	65,567	58,553	78,557
00.0401	Communications and electronics equipment	325,004	260,973	318,526	311,101	257,710	301,201
00.0501	Support vehicles	28,431	38,599	141,494	22,459	37,282	122,033
00.0601	Engineer and other equipment	99,916	50,794	54,089	92,106	80,515	59,741
00.0701	Spares and repair parts	42,093	26,558	36,576	43,873	21,853	33,460
00.9101	Total direct program	580,689	473,493	745,858	576,357	480,794	699,366
01.0101	Reimbursable program	3,484	9,400	9,400	210	12,884	9,400
10.0001	Total	584,173	482,893	755,258	576,567	493,678	708,766
Financing:							
Offsetting collections from:							
11.0001	Federal funds(-)	-3,484	-9,400	-9,400	-3,324	-9,400	-9,400
17.0001	Recovery of prior year obligations				-18,316		
Unobligated balance available, start of year:							
21.4002	For completion of prior year budget plans				-109,786	-139,490	-128,705
21.4003	Available to finance new budget plans	-11,407			-11,407		
21.4009	Reprogramming from/to prior year budget plan	3,941					
22.1001	Unobligated balance transferred to other acco	1,100			1,100		
Unobligated balance available, end of year:							
24.4002	For completion of prior year budget plans				139,490	128,705	175,197
25.0001	Unobligated balance expiring	1,159			1,159		
39.0001	Budget authority	575,482	473,493	745,858	575,482	473,493	745,858
Budget authority:							
40.0001	Appropriation	566,926	482,398	745,858	566,926	482,398	745,858
40.7601	Reduction pursuant to P.L. 105-56 (-), 8041		-8,905			-8,905	
41.0001	Transferred to other accounts (-)	-4,000			-4,000		
42.0001	Transferred from other accounts	12,556			12,556		
43.0001	Appropriation (adjusted)	575,482	473,493	745,858	575,482	473,493	745,858

Procurement, Marine Corps  
 Program and Financing (in Thousands of dollars)

Identification code	17-1109-0-1-051	Budget Plan (amounts for PROCUREMENT actions programed)			Obligations		
		1997 actual	1998 est.	1999 est.	1997 actual	1998 est.	1999 est.
Relation of obligations to outlays:							
71.0001	Obligations incurred				573,243	484,278	699,366
72.4001	Obligated balance, start of year				883,948	719,673	739,383
74.4001	Obligated balance, end of year				-719,673	-739,383	-961,636
77.0001	Adjustments in expired accounts (net)				-118,559		
78.0001	Adjustments in unexpired accounts				-18,316		
90.0001	Outlays (net)				600,643	464,568	477,113

Procurement, Marine Corps  
Object Classification (in Thousands of dollars)

Identification code	17-1109-0-1-051	1997 actual	1998 est.	1999 est.
-----				
Direct obligations:				
122.001	Transportation of things	2,210	1,396	1,899
125.101	Advisory and assistance services	6,150	7,402	6,822
Purchases goods/services (inter/intra) Fed accounts				
125.303	Purchases from revolving funds	14,140	12,759	38,703
126.001	Supplies and materials	26,400	23,400	36,300
131.001	Equipment	527,457	435,837	615,642
199.001 Total Direct obligations		----- 576,357	----- 480,794	----- 699,366
Reimbursable obligations:				
231.001	Equipment	210	12,884	9,400
299.001 Total Reimbursable obligations		----- 210	----- 12,884	----- 9,400
999.901 Total obligations		----- 576,567	----- 493,678	----- 708,766

Comparison of FY 1997 Program Requirements as Reflected  
in the FY 1998 Budget with the FY 1997 Requirements  
as shown in the FY 1999 Budget

DATE: February 1998

Summary of Requirements (In Millions of Dollars)

NOMENCLATURE	Total Program Requirements per FY 1998 Budget	Total Program Requirements per FY 1999 Budget	Increase or decrease (-)
BA 2 WEAPONS & TRACKED COMBAT VEHICLES	31.1	32.0	0.9
BA 3 GUIDED MISSILES & EQUIPMENT	53.4	53.3	-0.1
BA 4 COMMUNICATIONS & ELECTRONICS EQUIPMENT	329.5	325.0	-4.5
BA 5 SUPPORT VEHICLES	28.2	28.4	0.2
BA 6 ENGINEER & OTHER EQUIPMENT	94.9	99.9	5.0
BA 7 SPARES & REPAIR PARTS	42.6	42.1	-0.5
Subtotal Direct Program	579.7	580.7	1.0
Reimbursable	9.4	9.4	0.0
Total Fiscal Year	589.1	590.1	1.0

Comparison of FY 1997 Program Requirements as Reflected  
in the FY 1998 Budget with the FY 1997 Requirments  
as shown in the FY 1999 Budget

Summary of Requirements (In Millions of Dollars)

2. Weapons and Tracked Combat Vehicles \$.9  
All changes were the result of minor execution adjustments \$.9
3. Guided Missiles and Equipment (\$0.1)  
All changes were the result of minor execution adjustments (\$0.1)
4. Communications and Electronics Equipment (\$4.5)  
All changes were the result of minor execution adjustments (\$4.5)
5. Support Vehicles \$.2  
All changes were the result of minor execution adjustments \$.2
6. Engineer and Other Equipment \$5.0  
Changes were the result of reprogramming (\$3.2). The remainder is the result of minor execution adjustments (\$1.8)
7. Spares and Repair Parts (\$0.5)  
All changes were the result of minor execution adjustments (\$0.5)

Comparison of FY 1997 Financing as Reflected  
in the FY 1998 Budget with the FY 1997 Financing  
as shown in the FY 1999 Budget

Summary of Requirements (In Millions of Dollars)

Description	Financing per FY 1998 Budget	Financing per FY 1999 Budget
Program Requirements (Total)	589.1	590.1
(Total Direct)	(579.7)	(580.7)
(Total Reimbursable)	(9.4)	(9.4)
Less:		
Anticipated Reimbursements	9.4	9.4
Appropriation Rescinded		0.0
Add:		
Transferred from other accounts	1.0	
Appropriation (Adjusted)		

Comparison of FY 1997 Financing as Reflected  
in the FY 1998 Budget with the FY 1997 Financing  
as shown in the FY 1999 Budget

Summary of Requirements (In Millions of Dollars)

Explanation of Changes

The change between FY 1998 Presidential Budget to the FY 1999 Presidential Budget is a result of a transfer from Operations and Maintenance, Marine Corp (O&M,MC) to Procurement, Marine Corps (PMC) for Surf Eagle (\$1.0).

Comparison of FY 1998 Program Requirements as Reflected  
in the FY 1998 Budget with the FY 1998 Requirements  
as shown in the FY 1999 Budget

DATE: February 1998

Summary of Requirements (In Millions of Dollars)

NOMENCLATURE	Total Program Requirements per FY 1998 Budget	Total Program Requirements per FY 1999 Budget	Increase or decrease (-)
BA 2 WEAPONS & TRACKED COMBAT VEHICLES	29.5	30.4	0.9
BA 3 GUIDED MISSILES & EQUIPMENT	46.7	66.1	19.4
BA 4 COMMUNICATIONS & ELECTRONICS EQUIPMENT	217.0	261.0	44.0
BA 5 SUPPORT VEHICLES	9.5	38.6	29.1
BA 6 ENGINEER & OTHER EQUIPMENT	46.6	50.8	4.2
BA 7 SPARES & REPAIR PARTS	24.9	26.6	1.7
Subtotal Direct Program	374.2	473.5	99.3
Reimbursable	9.4	9.4	0.0
Total Fiscal Year	383.6	482.9	99.3

Comparison of FY 1998 Program Requirements as Reflected  
in the FY 1998 Budget with the FY 1998 Requirements  
as shown in the FY 1999 Budget

Summary of Requirements (In Millions of Dollars)

2. Weapons and Tracked Combat Vehicles \$.9

Items Less Than \$2M received a Congressional increase of \$1.9M for M1A1 Tank Fuel System. The remainder is due to Congressional and minor execution adjustments (\$1.0).

3. Guided Missiles and Equipment \$19.4

The Javelin Program received a Congressional increase of \$17.0. The remainder was due to reprogramming and minor execution adjustments \$2.4.

4. Communications and Electronics Equipment \$44.0

Communications and Electronics Equipment received Congressional increases of \$52.2. The remainder was due to minor execution adjustments and reprogramming (\$8.2).

5. Support Vehicles \$29.1

The Light Tactical Vehicle Remanufacture (LTVR) program received Congressional increase of \$30.0. The remainder was due to minor execution adjustments (-0.9).

6. Engineer and Other Equipment \$4.2

The Field Medical (CBIRF) Program received Congressional increase of \$10.0. The remainder was due to reprogramming and minor execution adjustments (\$5.8).

7. Spares and Repair Parts \$1.7

All changes were the result of minor execution adjustments \$1.7

Comparison of FY 1998 Financing as Reflected  
in the FY 1998 Budget with the FY 1998 Financing  
as shown in the FY 1999 Budget

Summary of requirements (In millions of Dollars)

Description	Financing per FY 1998 Budget	Financing per FY 1999 Budget
Program Requirements (Total)	383.6	482.9
(Total Direct)	(374.2)	(473.5)
(Total Reimbursable)	(9.4)	(9.4)
Less:		
Anticipated Reimbursements		
Appropriation Rescinded		
Add:		
Transferred from Other Accounts		
Appropriation (Adjusted)		

Comparison of FY 1998 Financing as Reflected  
in the FY 1998 Budget with the FY 1998 Financing  
as shown in the FY 1999 Budget

Summary of Requirements (In Millions of Dollars)

Explanation of Changes

The increase in program financing represents Congressional Action of the FY 1998 President's Budget. Congressional Increases to high priority Marine Corps Program resulted in increases totaling \$108.1 million. In FY 1998 reductions totaling \$.817 million were due to section 8041; \$7.2 million were due to section 8043 and \$.852 million were due to section 8106.

**Exhibit P-40, Budget Item Justification Sheet**

Date:

February 1998

Appropriation / Budget Activity/Serial No:

Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 056

P-1 Item Nomenclature:

ENVIRONMENTAL CONTROL EQUIPMENT, ASSORT (P66100)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	5.2			2.1	1.9	3.0	3.2	3.5	3.7	3.9	CONT	CONT
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	5.2			2.1	1.9	3.0	3.2	3.5	3.7	3.9	CONT	CONT
Initial Spares					0.02	0.05	0.1				CONT	CONT
Total Proc Cost	5.2			2.1	1.9	3.1	3.3	3.5	3.7	3.9	CONT	CONT
Flyaway U/C												
Wpn Sys Proc U/C												

The Environmental Control Equipment Program includes funds for military standard air conditioners which are required for cooling, dehumidifying, heating, filtering, and circulating air within tactical equipment. Electronic maintenance shops, radar systems, communications centers, and data computer systems are examples of tactical equipment requiring environmental control. Six to eight various contractors produce environmental control units.

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipmer (6) / 056			P-1 Line Item Nomenclature: ENVIRONMENTAL CONTROL EQUIPMENT, ASSORT (P66100)			Weapon System Type:			Date: February 1998		
<b>Weapon Svstem Cost Elements</b>		ID	<b>FY 97</b>			<b>FY 98</b>			<b>FY 99</b>				
		CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost		
			\$000	Each	\$	\$000	Each	\$	\$000	Each	\$		
A/C VERTICAL 36000 BTU/MPI (B0013; RESERVE QUANTITY	A								395 47	56	7892		
SMALL MOBILE WATER CHILLER	A		1888	229	8245								
ENHANCED REFRIGERATION UNIT(B1645 RESERVES	A					1166 232	217	6442	1710 263	300	6576		
RECYCLING UNIT	A					333	90	3700	593	157	3777		
A/C VERTICAL 60000 BTU (B0007;	A					187	23	8130					
ILS SUPPORT			80										
NON RECURRING COST			110			6			5				
TRAINING			55										
<b>TOTAL</b>			<b>2133</b>			<b>1924</b>			<b>3013</b>				
ACTIVE			2133			1692			2703				
Reserves						232			310				

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 1998

Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 056  
 Weapon System Type: P-1 Line Item Nomenclature: ENVIRONMENTAL CONTROL EQUIPMENT, ASSORT (P66100)

WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
A/C VERTICAL 36000 BTU/MPI (B0013) FY1999	UNKNOWN	C/FFP	TACOM	Oct-98	Mar-00	56	7892	YES	NO	N/A
SMALL MOBILE WATER CHILLERS (B2641) FY1997	WARRIOR, ZENIA, OH	C/OPTION	ATCOM	Feb-97	Mar-99	229	8245	YES	NO	N/A
ENHANCED REFRIGERATION UNIT FY1998 FY1999	UNKNOWN UNKNOWN	C/FFP C/OPTION	TACOM TACOM	Apr-98 Oct-98	Sep-99 Mar-00	217 300	6442 6576	YES YES	NO NO	N/A N/A

REMARKS:

<b>Exhibit P-20, Requirements Study</b>		Appropriation/Budget Activity/Serial No: Procurement, Marine Corps /Engineer and Other Equipment / P6610056				Date: February-98		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): ENVIRONMENT CONTROL EQUIPMENT (B0013)		Admin Leadtime (after Oct 1): 5 Months				Prod Leadtime: 11 Months		
Line Descriptions		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				56				
Unit Cost				7.9				
Total Cost				442.4				
Asset Dynamics								
Beginning Asset Position		776	888	888	888	944	944	944
Deliveries from: FY 1997 Funding								
Deliveries from: FY 1998 Funding								
Deliveries from: FY 1999 Funding					56			
Deliveries from Subsequent Years Funds								
Other Gains Deliveries from: FY1996 and prior		112						
Combat Losses								
Training Losses								
Test Losses								
Other Losses								
Disposals/Retirements/Attritions								
End of Year Asset Position		888	888	888	944	944	944	944
Inventory Objective or Current Authorized Allowance								
Inventory Objective 1175	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement	Aircraft: TOAI	
Assets Rqd for Combat Loads:	96 thru FY XXXX	96 thru FY XXXX	96 thru FY XXXX	96 thru FY XXXX		FY 1998	PAA: TAI	
WRM Rqmt:	FY XXXX	FY XXXX	FY XXXX	FY XXXX		FY 1999	Attrition Res	
Pipeline:	FY XXXX	FY XXXX	FY XXXX	FY XXXX		Augment	BAI	
Other:	FY XXXX	FY XXXX	FY XXXX	FY XXXX			Inactive Inv Storage	
Total:								
<b>Remarks:</b> AIR CONDITIONER, VERTICAL, 36,000 BTU/MPI (B0013)								

<b>Exhibit P-20, Requirements Study</b>		Appropriation/Budget Activity/Serial No: Procurement, Marine Corps /Engineer and Other Equipment / P6610056				Date: February-98		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): ENVIRONMENTAL CONTROL EQUIPMENT (B2641)		Admin Leadtime (after Oct 1): 4 Months				Prod Leadtime: 25 Months		
Line Descriptions		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary		229						
Unit Cost		8.2						
Total Cost		1888.0						
Asset Dynamics								
Beginning Asset Position		498	498	663	498	498	498	498
Deliveries from: FY 1997 Funding				204				
Deliveries from: FY 1998 Funding								
Deliveries from: FY 1999 Funding								
Deliveries from Subsequent Years Funds								
Other Gains (FY96 Funding*)			165					
Combat Losses								
Training Losses								
Test Losses								
Other Losses								
Disposals/Retirements/Attritions				369				
End of Year Asset Position		498	663	498	498	498	498	498
Inventory Objective or Current Authorized Allowance								
Inventory Objective 501	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement	Aircraft: TOAI	
Assets Rqd for Combat Loads:	96 thru FY XXXX	96 thru FY XXXX	96 thru FY XXXX	96 thru FY XXXX		FY 1998	PAA: TAI	
WRM Rqmt:	FY XXXX	FY XXXX	FY XXXX	FY XXXX		FY 1999	Attrition Res	
Pipeline:	FY XXXX	FY XXXX	FY XXXX	FY XXXX		Augment	BAI	
Other:	FY XXXX	FY XXXX	FY XXXX	FY XXXX			Inactive Inv	
Total:							Storage	
<p><b>Remarks:</b> SMALL MOBILE WATER CHILLER (B2641) *165 units purchased in FY96 in BLI # 666900.</p>								

<b>Exhibit P-20, Requirements Study</b>		Appropriation/Budget Activity/Serial No: Procurement, Marine Corps /Engineer and Other Equipment / P6610056				Date: February-98		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): ENVIRONMENTAL CONTROL EQUIPMENT (B1645)		Admin Leadtime (after Oct 1): 6 Months				Prod Leadtime: 17 Months		
Line Descriptions		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			217	300				
Unit Cost			6.4	6.6				
Total Cost			1397.5	1972.5				
Asset Dynamics								
Beginning Asset Position		683	669	669	520	463	517	517
Deliveries from:	FY 1997 Funding							
Deliveries from:	FY 1998 Funding			80	137			
Deliveries from:	FY 1999 Funding				240	60		
Deliveries from Subsequent Years Funds								
Other Gains								
Combat Losses								
Training Losses								
Test Losses								
Other Losses								
Disposals/Retirements/Attritions		14		229	434	6		
End of Year Asset Position		669	669	520	463	517	517	517
Inventory Objective or Current Authorized Allowance								
Inventory Objective 616	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement	Aircraft: TOAI	
Assets Rqd for Combat Loads:	96 thru FY XXXX	96 thru FY XXXX		96 thru FY XXXX		FY 1998	PAA: TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999	Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment	BAI	
Other:	FY XXXX	FY XXXX		FY XXXX			Inactive Inv	
Total:							Storage	
<b>Remarks:</b> ENHANCED REFRIGERATION UNITS {ERU} (B1645)								







**Exhibit P-40, Budget Item Justification Sheet**

Date:

February 1998

Appropriation / Budget Activity/Serial No:

Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 057

P-1 Item Nomenclature:

BULK LIQUID EQUIPMENT (P66665)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty					12			120	91	86	CONT	CONT
Gross Cost	1.5				7.7			33.3	25.6	24.7	CONT	CONT
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	1.5				7.7	0.0	0.0	33.3	25.6	24.7	CONT	CONT
Initial Spares	0.03					0.01	1.0					CONT
Total Proc Cost	1.5				7.7	0.01	1.0	33.3	25.6	24.7	CONT	CONT
Flyaway U/C												
Wpn Sys Proc U/C					.6			.3	.3	.3	CONT	CONT

FY 1998 funds procure the Hose Reel System which has a capability to rapidly lay Petroleum Hose in support of the Amphibious Assault Fuel System. This system will be the catalyst which enables the FSSG to expeditiously provide bulkfuel support to the MAGTF up to 20 miles inland. The components include Hose Reels with 6 inch diameter light weight hose, Hose Reel Bases, and a portable power unit. This Lightweight Hose can be laid by reel from an LVS, 900 series truck or forklift.

The FY 2001-2003 funds are for the 1500 GPH Reverse Osmosis Water Purification Unit (1500 ROWPU). This will provide the MAGTF with an enhanced capability to produce potable water from salt, brackish, fresh, and nuclear, biological, and chemical (NBC) contaminated water sources in both amphibious and expeditionary environment. A single 1500 ROWPU will produce more than twice the quantities of potable water within the same footprint, thereby permitting an outstanding replacement ratio of 1 1500 ROWPU for 2 ROWPUs reducing deployment footprint and lift requirements.

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipmer (6) / 057			P-1 Line Item Nomenclature: BULK LIQUID EQUIPMENT (P66665)			Weapon System Type:			Date: February 1998		
<b>Weapon Svstem Cost Elements</b>		ID	<b>FY 97</b>			<b>FY 98</b>			<b>FY 99</b>				
		CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost		
			\$000	Each	\$	\$000	Each	\$	\$000	Each	\$		
HOSE REEL SYSTEM (HRS)		A				7569	12	630750					
ILS SUPPORT						148							
<b>TOTAL</b>						<b>7717</b>							

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 1998

Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 057  
 Weapon System Type: P-1 Line Item Nomenclature: BULK LIQUID EQUIPMENT (P66665)

WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
HOSE REEL SYSTEM (HRS) (B1139)	TBD	FP	MARCORSYSCOM	Aug-98	Apr-99	12	630750	YES	NO	Dec-97

REMARKS:

<b>Exhibit P-20, Requirements Study</b>		Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 057				Date: February-98		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): BULK LIQUID EQUIPMENT (P66665)		Admin Leadtime (after Oct 1): 10 Months				Prod Leadtime: 8 Months		
Line Descriptions		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			12					
Unit Cost			630.8					
Total Cost			7717.0					
Asset Dynamics								
Beginning Asset Position					12	12	12	12
Deliveries from:	FY 1997 Funding							
Deliveries from:	FY 1998 Funding			12				
Deliveries from:	FY 1999 Funding							
Deliveries from Subsequent Years Funds								
Other Gains								
Combat Losses								
Training Losses								
Test Losses								
Other Losses								
Disposals/Retirements/Attritions								
End of Year Asset Position				12	12	12	12	12
Inventory Objective or Current Authorized Allowance								
Inventory Objective 34	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement	Aircraft: TOAI	
Assets Rqd for Combat Loads:	96 thru FY XXXX	96 thru FY XXXX	96 thru FY XXXX	96 thru FY XXXX		FY 1998	PAA: TAI	
WRM Rqmt:	FY XXXX	FY XXXX	FY XXXX	FY XXXX		FY 1999	Attrition Res	
Pipeline:	FY XXXX	FY XXXX	FY XXXX	FY XXXX		Augment	BAI	
Other:	FY XXXX	FY XXXX	FY XXXX	FY XXXX			Inactive Inv	
Total:							Storage	
<b>Remarks:</b> BULK LIQUID EQUIPMENT: HOSE REEL SYSTEM								





**Exhibit P-40, Budget Item Justification Sheet**

Date:

February 1998

Appropriation / Budget Activity/Serial No:

Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 058

P-1 Item Nomenclature:

ADVANCED DEMOLITIONS KIT (P66041)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty						171						171
Gross Cost						2.9						2.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)				0.0	0.0	2.9	0.0	0.0	0.0	0.0		2.9
Initial Spares												
Total Proc Cost						2.9						2.9
Flyaway U/C												0.0
Wpn Sys Proc U/C						0.020						0.020

The Advanced Demolitions Kit (ADK) Remote Demolition Firing System is field programmable, fast firing, and has the ability to perform multiple demolitions simultaneous, or in rapid succession. The system also gives the operator the ability to set land charges and detonate them from an undetectable position. The long range of the system allows the operator to explode large volumes of explosives from safe standoff distances.

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment ( / 058			P-1 Line Item Nomenclature: ADVANCED DEMOLITIONS KIT (P66041)			Weapon System Type:			Date: February 1998		
<b>Weapon Svstem Cost Elements</b>		ID	<b>FY 97</b>			<b>FY 98</b>			<b>FY 99</b>				
		CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost		
			\$000	Each	\$	\$000	Each	\$	\$000	Each	\$		
ADVANCED DEMOLITIONS KIT		A							2885	171	16871		
ILS SUPPORT									64				
<b>TOTAL</b>									<b>2949</b>				
ACTIVE TOTAL									2443				
RESERVE TOTAL									506				

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 1998

Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 058  
 Weapon System Type: P-1 Line Item Nomenclature: ADVANCED DEMOLITIONS KIT (P66041)

WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
ADVANCED DEMOLITIONS KIT	NAVAL AIR WARFARE CENTER INDIANAPOLIS, IND	C/OPTION	PICATINNY ARSENAL, NJ	Oct-98	Jan-99	171	16871	YES	NO	N/A

REMARKS:

<b>Exhibit P-20, Requirements Study</b>		Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 058				Date: February-98		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): ADVANCED DEMOLITIONS KIT (P66041)		Admin Leadtime (after Oct 1): 0 Months				Prod Leadtime: 3 Months		
Line Descriptions		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				171				
Unit Cost				16.9				
Total Cost				2949.0				
Asset Dynamics								
Beginning Asset Position					120	171	171	171
Deliveries from:	FY 1997 Funding							
Deliveries from:	FY 1998 Funding							
Deliveries from:	FY 1999 Funding			120	51			
Deliveries from Subsequent Years Funds								
Other Gains								
Combat Losses								
Training Losses								
Test Losses								
Other Losses								
Disposals/Retirements/Attritions								
End of Year Asset Position				120	171	171	171	171
Inventory Objective or Current Authorized Allowance								
Inventory Objective 174	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for Replacement	Aircraft: TOAI			
Assets Rqd for Combat Loads:	96 thru FY XXXX	96 thru FY XXXX	96 thru FY XXXX	FY 1998	PAA: TAI			
WRM Rqmt:	FY XXXX	FY XXXX	FY XXXX	FY 1999	Attrition Res			
Pipeline:	FY XXXX	FY XXXX	FY XXXX	Augment	BAI			
Other:	FY XXXX	FY XXXX	FY XXXX		Inactive Inv			
Total:					Storage			
<b>Remarks:</b> ADVANCED DEMOLITIONS KIT								







**Exhibit P-40, Budget Item Justification Sheet**

Date:

February 1998

Appropriation / Budget Activity/Serial No:

Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 059

P-1 Item Nomenclature:

POWER EQUIPMENT, ASSORTED (P66900)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	7.1			8.0	3.5	5.1	5.9	4.7	5.0	4.7	CONT	CONT
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	7.1			8.0	3.5	5.1	5.9	4.7	5.0	4.7	CONT	CONT
Initial Spares				1.1								CONT
Total Proc Cost	7.1			9.1	3.5	5.1	5.9	4.7	5.0	4.7	CONT	CONT
Flyaway U/C												
Wpn Sys Proc U/C												

This program includes all mobile electric power generators used by Fleet Marine Forces. Generator sizes and types range from 3KW to 100KW in both 60HZ and 400HZ. All generators are selected from the standard family of DoD mobile electric power sources and will be from the new series of "Tactical Quiet Generators (TQGs)".

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipme (6) / 059			P-1 Line Item Nomenclature: POWER EQUIPMENT, ASSORTED (P66900)			Weapon System Type:			Date: February 1998		
<b>Weapon Svstem Cost Elements</b>		ID	<b>FY 97</b>			<b>FY 98</b>			<b>FY 99</b>				
		CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost		
			\$000	Each	\$	\$000	Each	\$	\$000	Each	\$		
Generator Se 10KW/60HZ, MEP-803A, TAMCN B0891	A		2444	224	10911	1278	111	11514	588	49	12000		
Generator Se 30KW/60HZ, MEP-805A, TAMCN B0953	A		2569	174	14764	840	40	21000	1795	82	21890		
Generator Se 60KW/60HZ MEP-806A, TAMCN B1021	A		897	50	17940	717	30	23900	1221	49	24918		
Generator Se 60KW/400HZ, MEP-816A, TAMCN B1016	A		909	44	20659	624	26	24000	475	19	25000		
Electric Power Distribution System: Mobile Electric Power Distribution Syster (MEPDS) 15/30/100Kw Generators	A		948	280	3386				1003	283	3544		
TRAVEL			20			16			15				
Logistical Support			73			70							
NEW EQUIP TECH TRAINING			94										
<b>TOTAL</b>			<b>7954</b>			<b>3545</b>			<b>5097</b>				
INITIAL SPARES			1102										
Active Total			7589			3312			4779				
Reserve Total			365			233			318				
Generator Set (Reserves 10KW/60HZ, MEP-803A, TAMCN B0891			276	24	10911	141	12	11514	240	20	12000		
Generator Set (Reserves 30KW/60HZ, MEP-805A, TAMCN B0953			89	6	14764	92	6	21000	78	5	21890		

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 1998

Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 059		Weapon System Type:			P-1 Line Item Nomenclature: POWER EQUIPMENT, ASSORTED (P66900)					
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>GENERATOR SET 10KW/60HZ (B0891)</b>										
FY97	FERMONT/BRIDGEPORT	C/OPTION	ATCOM	Mar-97	Feb-99	224	10911	YES	NO	N/A
FY98	TBD	TBD	ATCOM	Mar-98	Feb-00	111	11514	YES	NO	N/A
FY99	TBD	TBD	ATCOM	Mar-99	Feb-01	49	12000	YES	NO	N/A
<b>GENERATOR SET 30KW/60HZ (B0953)</b>										
FY97	FERMONT/BRIDGEPORT	C/OPTION	ATCOM	Jan-97	Feb-99	174	14764	YES	NO	N/A
FY98	TBD	TBD	ATCOM	Mar-98	Feb-00	40	21000	YES	NO	N/A
FY99	TBD	TBD	ATCOM	Mar-99	Feb-01	82	21890	YES	NO	N/A
<b>GENERATOR SET 60KW/60HZ (B1021)</b>										
FY97	FERMONT/BRIDGEPORT	C/OPTION	ATCOM	Jan-97	Feb-99	50	17940	YES	NO	N/A
FY98	TBD	TBD	ATCOM	Mar-98	Feb-00	30	23900	YES	NO	N/A
FY99	TBD	TBD	ATCOM	Mar-99	Feb-01	49	24918	YES	NO	N/A
<b>GENERATOR SET 60KW/400HZ (B1016)</b>										
FY97	FERMONT/BRIDGEPORT	C/OPTION	ATCOM	Jan-97	Feb-99	44	20659	YES	NO	N/A
FY98	TBD	TBD	ATCOM	Mar-98	Feb-00	26	24000	YES	NO	N/A
FY99	TBD	TBD	ATCOM	Mar-99	Feb-01	19	25000	YES	NO	N/A
<b>Electric Power Distribution Systems:</b>										
FY1997	UNICOR, WASHINGTON, DC	FFP	WASHINGTON, DC	Jul-97	Apr-98	280	3386	YES	NO	N/A
FY1999	UNICOR, WASHINGTON, DC	FFP	WASHINGTON, DC	Oct-98	Jan-99	283	3544	YES	NO	N/A
<b>REMARKS:</b>										

<b>Exhibit P-20, Requirements Study</b>		Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 059				Date: February-98		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): POWER EQUIPMENT, ASSORTED (P66900)		Admin Leadtime (after Oct 1): 6 Months				Prod Leadtime: 23 Months		
Line Descriptions		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary		224	111	49	145	110	120	59
Unit Cost		10.9	11.5	12.0	12.5	12.5	12.8	13.1
Total Cost		2444.0	1278.0	588.0	1815.0	1375.0	1536.0	772.0
Asset Dynamics								
Beginning Asset Position		942	942	1036	1036	1036	1036	1036
Deliveries from: FY 1997 Funding				120	104			
Deliveries from: FY 1998 Funding					111			
Deliveries from: FY 1999 Funding						49		
Deliveries from Subsequent Years Funds							145	110
Other Gains			94					
Combat Losses								
Training Losses								
Test Losses								
Other Losses								
Disposals/Retirements/Attritions				120	215	49	145	110
End of Year Asset Position		942	1036	1036	1036	1036	1036	1036
Inventory Objective or Current Authorized Allowance								
Inventory Objective 1,454	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement	Aircraft: TOAI	
Assets Rqd for Combat Loads:	96 thru FY XXXX	96 thru FY XXXX	96 thru FY XXXX	96 thru FY XXXX		FY 1998	PAA: TAI	
WRM Rqmt:	FY XXXX	FY XXXX	FY XXXX	FY XXXX		FY 1999	Attrition Res	
Pipeline:	FY XXXX	FY XXXX	FY XXXX	FY XXXX		Augment	BAI	
Other:	FY XXXX	FY XXXX	FY XXXX	FY XXXX			Inactive Inv	
Total:							Storage	
<b>Remarks:</b> GENERATOR SET, 10KW/60HZ, MEP 803A (B0891)								

<b>Exhibit P-20, Requirements Study</b>		Appropriation/Budget Activity/Serial No: Procurement, Marine Corps /Engineer and Other Equipment / P6690059				Date: February-98		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): POWER EQUIPMENT, ASSORTED (P66900)		Admin Leadtime (after Oct 1): 6 Months				Prod Leadtime: 23 Months		
Line Descriptions		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary		174	40	82	62	55	60	50
Unit Cost		14.8	21.0	21.9	23.3	24.1	29.1	3.3
Total Cost		2570.0	840.0	1795.0	1445.0	1327.0	1746.0	166.0
Asset Dynamics								
Beginning Asset Position		1216	1216	1234	1234	1234	1234	1234
Deliveries from: FY 1997 Funding				120	54			
Deliveries from: FY 1998 Funding					40			
Deliveries from: FY 1999 Funding						82		
Deliveries from Subsequent Years Funds							62	55
Other Gains			18					
Combat Losses								
Training Losses								
Test Losses								
Other Losses								
Disposals/Retirements/Attritions				120	94	82	62	55
End of Year Asset Position		1216	1234	1234	1234	1234	1234	1234
Inventory Objective or Current Authorized Allowance								
Inventory Objective 1566	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement	Aircraft: TOAI	
Assets Rqd for Combat Loads:	96 thru FY XXXX	96 thru FY XXXX	96 thru FY XXXX	96 thru FY XXXX		FY 1998	PAA: TAI	
WRM Rqmt:	FY XXXX	FY XXXX	FY XXXX	FY XXXX		FY 1999	Attrition Res	
Pipeline:	FY XXXX	FY XXXX	FY XXXX	FY XXXX		Augment	BAI	
Other:	FY XXXX	FY XXXX	FY XXXX	FY XXXX			Inactive Inv	
Total:							Storage	
<b>Remarks:</b> GENERATOR SET, 30KW/60HZ, MEP-805A, (B0953)								

<b>Exhibit P-20, Requirements Study</b>		Appropriation/Budget Activity/Serial No: Procurement, Marine Corps /Engineer and Other Equipment / P6690059				Date: February-98		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): POWER EQUIPMENT, ASSORTED (P66900)		Admin Leadtime (after Oct 1): 6 Months				Prod Leadtime: 23 Months		
Line Descriptions		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary		50	30	49	61	60	59	50
Unit Cost		17.9	23.9	24.9	24.9	27.1	20.5	35.7
Total Cost		896.0	717.0	1221.0	1519.0	1626.0	1209.0	1785.0
Asset Dynamics								
Beginning Asset Position		867	867	877	877	877	877	877
Deliveries from:	FY 1997 Funding			50				
Deliveries from:	FY 1998 Funding				30			
Deliveries from:	FY 1999 Funding					49		
Deliveries from Subsequent Years Funds							61	60
Other Gains			10					
Combat Losses								
Training Losses								
Test Losses								
Other Losses								
Disposals/Retirements/Attritions				50	30	49	61	60
End of Year Asset Position		867	877	877	877	877	877	877
Inventory Objective or Current Authorized Allowance								
Inventory Objective	1033	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for Replacement	Aircraft: TOAI		
Assets Rqd for Combat Loads:		96 thru FY XXXX	96 thru FY XXXX	96 thru FY XXXX	FY 1998	PAA: TAI		
WRM Rqmt:		FY XXXX	FY XXXX	FY XXXX	FY 1999	Attrition Res		
Pipeline:		FY XXXX	FY XXXX	FY XXXX	Augment	BAI		
Other:		FY XXXX	FY XXXX	FY XXXX		Inactive Inv		
Total:						Storage		
<b>Remarks:</b> GENERATOR SET, 60KW/60HZ, MEP-806A (B1021)								

<b>Exhibit P-20, Requirements Study</b>		Appropriation/Budget Activity/Serial No: Procurement, Marine Corps /Engineer and Other Equipment / P6690059				Date: February-98			
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): POWER EQUIPMENT, ASSORTED (P66900)		Admin Leadtime (after Oct 1): 6 Months				Prod Leadtime: 23 Months			
Line Descriptions		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	
Buy Summary		44	26	19	14	14		19	
Unit Cost		20.7	24.0	25.0	26.6	29.0		36.9	
Total Cost		910.0	624.0	475.0	373.0	406.0		701.0	
<b>Asset Dynamics</b>									
Beginning Asset Position		334	334	350	350	350	350	350	
Deliveries from:	FY 1997 Funding			44					
Deliveries from:	FY 1998 Funding				26				
Deliveries from:	FY 1999 Funding					19			
Deliveries from Subsequent Years Funds							14	14	
Other Gains			16						
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/Attritions				44	26	19	14	14	
End of Year Asset Position		334	350	350	350	350	350	350	
<b>Inventory Objective or Current Authorized Allowance</b>									
Inventory Objective	350	Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement	Aircraft: TOAI
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998	PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999	Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment	BAI
Other:		FY XXXX		FY XXXX		FY XXXX			Inactive Inv
Total:									Storage
<b>Remarks:</b> GENERATOR SET, 60KW/400HZ, MEP-816A (B1016)									

<b>Exhibit P-20, Requirements Study</b>		Appropriation/Budget Activity/Serial No: Procurement, Marine Corps /Engineer and Other Equipment / P6690059				Date: February-98		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): POWER EQUIPMENT, ASSORTED (P66900)		Admin Leadtime (after Oct 1): 6 Months				Prod Leadtime: 23 Months		
Line Descriptions		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary		280		283				
Unit Cost		3.4		3.5				
Total Cost		948.0		1003.0				
Asset Dynamics								
Beginning Asset Position		794	794	925	1203	1203	1203	1203
Deliveries from: FY 1997 Funding			131	149				
Deliveries from: FY 1998 Funding								
Deliveries from: FY 1999 Funding				234	49			
Deliveries from Subsequent Years Funds								
Other Gains								
Combat Losses								
Training Losses								
Test Losses								
Other Losses								
Disposals/Retirements/Attritions				105	49			
End of Year Asset Position		794	925	1203	1203	1203	1203	1203
Inventory Objective or Current Authorized Allowance								
Inventory Objective 1415	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement	Aircraft: TOAI	
Assets Rqd for Combat Loads:	96 thru FY XXXX	96 thru FY XXXX	96 thru FY XXXX	96 thru FY XXXX		FY 1998	PAA: TAI	
WRM Rqmt:	FY XXXX	FY XXXX	FY XXXX	FY XXXX		FY 1999	Attrition Res	
Pipeline:	FY XXXX	FY XXXX	FY XXXX	FY XXXX		Augment	BAI	
Other:	FY XXXX	FY XXXX	FY XXXX	FY XXXX			Inactive Inv	
Total:							Storage	
<b>Remarks:</b> MOBILE ELECTRIC POWER DISTRIBUTION SYSTEM (MEPDS)								







**Exhibit P-40, Budget Item Justification Sheet**

Date:

September 1997

Appropriation / Budget Activity/Serial No:

Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 060

P-1 Item Nomenclature:

SHOP EQUIPMENT CONTACT MAINTENANCE (P66277)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty						52	47					99
Gross Cost						6.1	5.5					11.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)						6.1	5.5					11.6
Initial Spares												
Total Proc Cost						6.1	5.5					11.6
Flyaway U/C												
Wpn Sys Proc U/C												

Funds in this budget line are used to procure the Shop Equipment, Contact Maintenance (SECM).

The SECM consists of a High Mobility Multi-Purpose Wheeled Vehicle-HeavyVariant (HMMWV), TAMCN M1097, with a Tool & Equipment shelter mounted on the rear of the vehicle that is loaded with hand tools and equipment.

The tool load is primarily mechanics hand tools, such as wrenches, pliers, hammers, socket sets, ect. The equipment load consists of pullers, bench vice, grinders, electric drills, Gas Metal-Arc (MIG) Welding, Oxy-Accetylene Welder, battery charger, working lights, ect.

The SECM supports the "fix as far forward as possible" maintenance concept. The mission involves a team of mechanics with a tool/equipment load, plus required repair parts, that travel to the site of disabled combat vehicles/equipment, as far forward as the tactical situation allows without subjecting the team to direct enemy fire. The mechanical team makes repairs or assists the crew/unit repairer to allow equipment to continue its mission, either fully operational, or in degraded mode, or return to base without the assistance of a recovery vehicle. Repairs are performed in all weather, light, and climatic conditions and on all types of Marine Corps equipment.

The SECM will replace the current Contact Maintenance Vehicle, TAMCN A1945 which is a commercial vehicle that has reached the end of its service life.

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 060			P-1 Line Item Nomenclature: SHOP EQUIPMENT CONTACT MAINTENANCE (P66277)			Weapon System Type:			Date: September 1997		
<b>Weapon System Cost Elements</b>		ID	<b>FY 97</b>			<b>FY 98</b>			<b>FY 99</b>				
		CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost		
			\$000	Each	\$	\$000	Each	\$	\$000	Each	\$		
SHOP EQUIPMENT, CONTACT MAINT.		A							6084	52	117008		
<b>TOTAL</b>									<b>6084</b>				

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
September 1997

Appropriation / Budget Activity/Serial No:  
Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) /  
060

Weapon System Type:

P-1 Line Item Nomenclature:  
SHOP EQUIPMENT CONTACT MAINTENANCE (P66277)

WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
SHOP EQUIPMENT, CONTACT MAINT. FY 99	ROCK ISLAND ARSENAL	MIPR	ROCK ISLAND ARSENAL	Dec-98	Jul-99	52	117008	YES	N/A	N/A

REMARKS:

<b>Exhibit P-20, Requirements Study</b>			Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 060				Date: September-97		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): SHOP EQUIPMENT CONTACT MAINTENANCE (P66277)			Admin Leadtime (after Oct 1): 2 Months				Prod Leadtime: 9 Months		
Line Descriptions			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					52	47			
Unit Cost					117.0	117.0			
Total Cost					6084.0	5500.0			
Asset Dynamics									
Beginning Asset Position									
Deliveries from NGREA FY 1997 Funding				21					
Deliveries from: FY 1998 Funding									
Deliveries from: FY 1999 Funding					30	22			
Deliveries from Subsequent Years Funds							47		
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/Attritions									
End of Year Asset Position				21	51	73	120		
Inventory Objective or Current Authorized Allowance			120	120	120	120	120	120	120
Inventory Objective 120		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement	Aircraft: TOAI
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998	PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999	Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment	BAI
Other:		FY XXXX		FY XXXX		FY XXXX			Inactive Inv
Total:									Storage





**Exhibit P-40, Budget Item Justification Sheet**

Date:

February 1998

Appropriation / Budget Activity/Serial No:

Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 063

P-1 Item Nomenclature:

COMMAND SUPPORT EQUIPMENT (P66001)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	4.9			0.5	0.6	0.5	0.5	0.4	0.4	0.6		8.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	4.9			0.5	0.6	0.5	0.5	0.4	0.4	0.6		8.4
Initial Spares												
Total Proc Cost	4.9			0.5	0.6	0.5	0.5	0.4	0.4	0.6		8.4
Flyaway U/C												
Wpn Sys Proc U/C												

This program covers the procurement of plant investment items for the support of ground bases, air stations and Marine Corps Districts. This program provides equipment for the following functional CATEGORIES:

- Environmental Equipment
- Office Equipment
- Utilities Equipment
- General Purpose Equipment
- Industrial Plant Equipment
- Miscellaneous Plant Property for new buildings

Equipment required for the Command Support Equipment program, either initial outfitting or replacement, is essential for use in the manufacture of supplies, performance of services, administrative and general plant use, and environmental improvement.

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 063			P-1 Line Item Nomenclature: COMMAND SUPPORT EQUIPMENT (P66001)			Weapon System Type:			Date: February 1998		
<b>Weapon Svstem Cost Elements</b>	ID CD				<b>FY 97</b>			<b>FY 98</b>			<b>FY 99</b>		
					TotalCost \$000	Qty Each	UnitCost \$	TotalCost \$000	Qty Each	UnitCost \$	TotalCost \$000	Qty Each	UnitCost \$
Buildings and Grounds													
Boiler Monitor							180	1	180000				
Bridge Crane													
Shredder							183	1	183000				
Generator							125	1	125000				
Maintance Equipmen													
Grinder											283	2	141500
Office Equipment													
Printer													
Engineering Copie													
Master Mailer													
General Purpose Equipmen													
Vehicle Washer											125	1	125000
Waste Pulper													
Boat					118	1	118000						
Environmenta													
HazMat Storage							111	1	111000				
Spectrometer											106	1	106000
Trailers													
Aquestic Sound Module					107	1	107000						
Misc Property for New Buildings													
Bleachers													
UPS Generator					250	1	250000						
<b>TOTAL</b>					<b>475</b>		<b>599</b>		<b>514</b>		<b>514</b>		

**Exhibit P-40, Budget Item Justification Sheet**

Date:

February 1998

Appropriation / Budget Activity/Serial No:

Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 064

P-1 Item Nomenclature:

AMPHIBIOUS RAID EQUIPMENT (P66006)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	2.3			0.8	0.0	3.7	1.5	1.5	1.5	1.6	Cont.	Cont.
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	2.3			0.8	0.0	3.7	1.5	1.5	1.5	1.6	Cont.	Cont.
Initial Spares												
Total Proc Cost	2.3			0.8	0.0	3.7	1.5	1.5	1.5	1.6	Cont.	Cont.
Flyaway U/C												
Wpn Sys Proc U/C												

The Amphibious Raid Equipment Line provides low density equipment in support of Amphibious Raid, Reconnaissance, and Riverine Operations. It was established because of the peculiar equipment required to conduct the special missions of the MEU (SOC). These missions include over the horizon amphibious raids, hostage rescue, special demolition's operations, close quarters battle, gas and oil platform seizures, maritime interdiction and riverine operations. This unique equipment is required to support the Maritime Special Purpose Force (MSPF). Current technology is identified in the commercial, non-developmental market to fulfill validated requirements. These items are centrally managed and supported.

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 064			P-1 Line Item Nomenclature: AMPHIBIOUS RAID EQUIPMENT (P66006)			Weapon System Type:			Date: February 1998		
<b>Weapon System Cost Elements</b>		ID	<b>FY 97</b>			<b>FY 98</b>			<b>FY 99</b>				
		CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost		
			\$000	Each	\$	\$000	Each	\$	\$000	Each	\$		
Underwater Breathing Apparatus	A								911	134	6800		
UBA Accessories	A		82										
Combat Rubber Reconnaissance Craft (CRRC	A		153	20	7650				2812	109	25798		
RAC Electrical Engineering Change	A		485										
Program Support			42										
<b>TOTAL</b>			<b>762</b>						<b>3723</b>				

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 1998

Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 064				Weapon System Type:		P-1 Line Item Nomenclature: AMPHIBIOUS RAID EQUIPMENT (P66006)					
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date	
Underwater Breathing Apparatus FY 99	Natl Draeger Pitts, PA	C-FFP	Coastal Systems Stn	Feb-99	Jun-99	134	6800	Yes	No		
Combat Rubber Reconnaissance Craft (CRRC) FY 97 FY 99	Zodiac, MD N / A	C-FFP MILSTRIP	ATCOM MCLB ALBANY	Sep-97 Mar-99	Dec-97 Jul-99	20 109	7650 25798	Yes Yes	No No		

Exhibit P-20, Requirements Study			Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 064				Date: February-98		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): AMPHIBIOUS RAID EQUIPMENT (P66006) C4185(Underwater Breathing Apparatus)			Admin Leadtime (after Oct 1): 4 Months				Prod Leadtime: 4 Months		
Line Descriptions			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					134	53	56	55	57
Unit Cost					6.8	6.9	7.1	7.2	7.4
Total Cost					911	368	396	397	420
Asset Dynamics									
Beginning Asset Position			517	517	517	429	517	517	517
Deliveries from: FY 1997 Funding									
Deliveries from: FY 1998 Funding									
Deliveries from: FY 1999 Funding					46	88			
Deliveries from Subsequent Years Funds						53	56	55	57
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/Attritions					134	53	56	55	57
End of Year Asset Position			517	517	429	517	517	517	517
Inventory Objective or Current Authorized Allowance			517	517	517	517	517	517	517
Inventory Objective 517	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)			Vehicles Eligible for Replacement	Aircraft: TOAI		
Assets Rqd for Combat Loads:	96 thru FY XXXX	96 thru FY XXXX	96 thru FY XXXX			FY 1998	PAA: TAI		
WRM Rqmt:	FY XXXX	FY XXXX	FY XXXX			FY 1999	Attrition Res		
Pipeline:	FY XXXX	FY XXXX	FY XXXX			Augment	BAI		
Other:	FY XXXX	FY XXXX	FY XXXX				Inactive Inv Storage		
Total:									

Exhibit P-20, Requirements Study			Appropriation/Budget Activity/Serial No: Procurement, Marine Corps /Engineer and Other Equipment / P6600064				Date: February-98		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): CRRC C5901			Admin Leadtime (after Oct 1): 1 Months				Prod Leadtime: 4 Months		
Line Descriptions			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			20		109	42	42	42	42
Unit Cost			22		26	27	28	28	29
Total Cost			153		2812	1136	1147	1185	1206
Asset Dynamics									
Beginning Asset Position			356	311	286	268	317	314	311
Deliveries from: FY 1997 Funding				20					
Deliveries from: FY 1998 Funding									
Deliveries from: FY 1999 Funding					27	82			
Deliveries from Subsequent Years Funds						12	42	42	42
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/Attritions			45	45	45	45	45	45	45
End of Year Asset Position			311	286	268	317	314	311	308
Inventory Objective or Current Authorized Allowance			366	366	366	366	366	366	366
Inventory Objective 366		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement	Aircraft: TOAI
Assets Rqd for Combat Loads:	96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998		PAA: TAI
WRM Rqmt:	FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res
Pipeline:	FY XXXX		FY XXXX		FY XXXX		Augment		BAI
Other:	FY XXXX		FY XXXX		FY XXXX				Inactive Inv Storage
Total:									









**Exhibit P-40, Budget Item Justification Sheet**

Date:

February 1998

Appropriation / Budget Activity/Serial No:

Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 065

P-1 Item Nomenclature:

PHYSICAL SECURITY (P66003)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	4.8			6.0	1.5	1.9	5.7	4.7	4.7	4.8	CONT	CONT
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	4.8			6.0	1.5	1.9	5.7	4.7	4.7	4.8	CONT	CONT
Initial Spares					0.1		0.4					0.6
Total Proc Cost	4.8			6.0	1.6	1.9	6.1	4.7	4.7	4.8	CONT	CONT
Flyaway U/C												
Wpn Sys Proc U/C												

This budget line provides funding to procure investment items, devices and systems necessary for Marine Corps installations and facility infrastructure to comply with Congressional, White House Military Office, DOD, DON, Marine Corps Physical Security and Antiterrorism Directives pertaining to security equipment and electronic security systems as technological solutions to manpower intensive security requirements; and, to provide a systematic, uniform capability throughout Marine Corps installations to deter, delay, and defeat espionage, sabotage, damage, theft, and terrorist acts against Marine Corps personnel, resources, installations and facilities. These systems are used at base flight lines and Arms, Ammunition and Explosive (AA&E) sites.

This program funds physical security systems that include, but are not limited to, intrusion detection systems (IDS), automated entry control systems, assessment devices, closed-circuit television other surveillance equipment, and capital plant equipment specifically designed for physical security in military construction (MILCON) projects.

FY 2000 through 2003 funds will be used to procure the following:

- a. The Attended Sensor System is a non-tactical, portable intrusion detection system which provides an upgrade assessment capability to identify intruders. It allows military police to secure a large area with limited personnel. These systems allow installation commanders the ability to detect and identify intruders during periods of increased terrorist/criminal activity.
- b. The Intrusion Detection System will be used to upgrade and install new IDS systems on both the east and west coast bases. The upgrades will include CCTV installation, access control, duress alarms for gates and VIP quarters, the conversion from old IDS systems at armories, pharmacies and postal facilities.

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 065			P-1 Line Item Nomenclature: PHYSICAL SECURITY (P66003)			Weapon System Type:			Date: February 1998			
<b>Weapon System Cost Elements</b>		ID				<b>FY 97</b>			<b>FY 98</b>			<b>FY 99</b>		
		CD			TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	
					\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	
Automated Entry Control System/IDS					5979	3	Various	1480	2	Various	1856	3	Various	
<b>TOTAL</b>					<b>5979</b>			<b>1480</b>			<b>1856</b>			

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 1998

Appropriation / Budget Activity/Serial No:  
Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) /  
065

Weapon System Type:

P-1 Line Item Nomenclature:  
PHYSICAL SECURITY (P66003)

WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 1997 Automated Entry Control System/IDS	TRACOR Chesapeake, VA	C/IQTM	NISE East	Jan-97	Dec-97	3	Various	Yes	No	N/A
FY 1998 IDS Upgrades	TRACOR Chesapeake, VA	C/IQTM	NISE East	Jan-98	Dec-98	2	Various	Yes	No	N/A
FY 1999 IDS Upgrades	TRACOR Chesapeake, VA	C/IQTM	NISE East	Jan-99	Dec-99	3	Various	Yes	No	N/A

**REMARKS:** The quantity refers to the estimated number of installations vice number of systems.

NISE East - Naval Command, Control and Ocean Surveillance Center In-Service Engineering East Coast Division located at Charleston, S.C.

**Exhibit P-40, Budget Item Justification Sheet**

Date:

February 1998

Appropriation / Budget Activity/Serial No:

Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 066

P-1 Item Nomenclature:

GARRISON MOBILE ENGINEER EQUIPMENT (P66004)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	10.7			5.1	3.0	5.5	5.6	5.8	6.0	6.1		47.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	10.7			5.1	3.0	5.5	5.6	5.8	6.0	6.1		47.8
Initial Spares												
Total Proc Cost	10.7			5.1	3.0	5.5	5.6	5.8	6.0	6.1		47.8
Flyaway U/C												
Wpn Sys Proc U/C												

Funds in this line are intended for the procurement of centrally managed Garrison Mobile Engineer Equipment (GMEE) for Marine Corps Bases and Stations. The replacement has been developed on an as-required basis because most commercial engineer construction equipment exceeds life expectancy.

The equipment types included in this category are: motor graders, crawler tractors, wheel tractors, crash cranes and generators of various sizes and capabilities. The procurement source is Defense Supply Construction Center (DSCC).

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 066			P-1 Line Item Nomenclature: GARRISON MOBILE ENGINEER EQUIPMENT (P66004)			Weapon System Type:			Date: February 1998		
<b>Weapon System Cost Elements</b>	ID CD				<b>FY 97</b>			<b>FY 98</b>			<b>FY 99</b>		
					TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Compressor, Air 105-125 CFM					29	2	14500						
Compressor, Air 126-250 CFM					68	5	13600						
Excavator, Multipurpose					368	2	184000	376	3	125333	577	3	192333
Road Grader					686	6	114333				594	5	118800
Scoop Loader, Tracker					119	1	119000				249	2	124500
Scoop Loader, Wheeled					224	4	56000				176	3	58667
Scoop Loader, Wheeled, 5 CUYE					211	1	211000	216	1	216000	220	1	220000
Roller, Vibrating											49	2	24500
Bulldozer, 105 Flywheel HF					163	1	163000	166	1	166000	170	1	170000
Bulldozer, 140 Flywheel HF					196	2	98000	100	1	100000	103	1	103000
Bulldozer, 195 Flywheel HF					343	2	171500	175	1	175000	359	2	179500
Welder, Electric					65	7	9286				49	5	9800
Pump Diaphragm					9	3	3000				6	2	3000
Sweeper, Runway					364	5	72800	147	2	73500	228	3	76000
Cleaner, Catch Basin					475	2	237500				249	1	249000
Mower, Self-Propelled					91	5	18200				76	4	19000
Tractor, Agriculture, 30 DBH					126	6	21000				110	5	22000
Tractor, Industrial, 50 DBH					171	7	24429				154	6	25667
Tractor, Industrial, 70 DBH					21	1	21000						
Tractor, Industrial, Backhoe					263	6	43833				230	5	46000
Sweeper, Street					130	2	65000				68	1	68000
Crane, Truck Mounted, 5-20T					342	1	342000	349	1	349000	715	2	357500
Crane, Truck Mounted 35-T					444	1	444000	454	1	454000	928	2	464000
Crane, Hydraulic 20-30T					190	1	190000	194	1	194000	199	1	199000
Crane, CFR, Salvage								752	2	376000			
<b>TOTAL</b>					<b>5098</b>			<b>2929</b>			<b>5509</b>		

**Exhibit P-40, Budget Item Justification Sheet**

Date:

February 1998

Appropriation / Budget Activity/Serial No:

Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 068

P-1 Item Nomenclature:

WAREHOUSE MODERNIZATION (P66342)

Program Elements for Code B Items:

Other Related Program Elements:

	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	8.8			1.1	1.5	1.5	1.3	1.3	1.4	1.5	CON'T	CON'T
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	8.8			1.1	1.5	1.5	1.3	1.3	1.4	1.5	CON'T	CON'T
Initial Spares												
Total Proc Cost	8.8			1.1	1.5	1.5	1.3	1.3	1.4	1.5	CON'T	CON'T
Flyaway U/C												
Wpn Sys Proc U/C												

This modernization program provides equipment which provides a better work flow, maximum use of storage space, upgrading of storage aids, modern preservation packaging, and packing facilities which is essential to the efficiency and economy of storage operations. The objective of the storage and warehouse modernization program is to provide support to the customer, providing positive and timely support to deployment actions.

Warehouse Modernization equipment provides for the procurement of rack, bin and bulk storage systems; narrow-isle materials handling equipment to maximize the utilization of cubic storage space; and automatic material handling systems and related equipment to provide efficient movement of material at the lowest cost in labor. Storage systems which maximize the utilization of cubic storage space and reduces the need for additional warehouse space.

This line modernizes warehouse by project, as requested by field activities.

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 068			P-1 Line Item Nomenclature: WAREHOUSE MODERNIZATION (P66342)			Weapon System Type:			Date: February 1998		
<b>Weapon Svstem Cost Elements</b>	ID CD				<b>FY 97</b>			<b>FY 98</b>			<b>FY 99</b>		
					TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Procure modern and efficient rack, bin, and bulk storage systems, material handling equipment and PP&P equipment and upgrade storage systems which meet threshold criteria.					1081			1547			1495		
<b>TOTAL</b>					<b>1081</b>			<b>1547</b>			<b>1495</b>		

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 1998

Appropriation / Budget Activity/Serial No:  
Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) /  
068

Weapon System Type:

P-1 Line Item Nomenclature:  
WAREHOUSE MODERNIZATION (P66342)

WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Procure modern and efficient rack, bin, and bulk storage systems, material handling equipment and PP&P equipment and upgrade storage systems which meet threshold criteria.										
FY97	Various	C/PPP	Various	Various	Various		Various	N/A	N/A	N/A
FY98	Various	C/PPP	Various	Various	Various		Various	N/A	N/A	N/A
FY99	Various	C/PPP	Various	Various	Various		Various	N/A	N/A	N/A

REMARKS:

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 1998

Appropriation / Budget Activity/Serial No:  
Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 069

P-1 Item Nomenclature:  
MATERIAL HANDLING EQUIPMENT (P66726)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	9.0			3.1	5.1	6.5	6.6	6.7	6.9	7.1		51.0
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	9.0			3.1	5.1	6.5	6.6	6.7	6.9	7.1		51.0
Initial Spares												
Total Proc Cost	9.0			3.1	5.1	6.5	6.6	6.7	6.9	7.1		51.0
Flyaway U/C												
Wpn Sys Proc U/C												

The Material Handling Equipment (MHE) line is a roll-up line that funds for the replacement of centrally managed forklifts, warehouse cranes, platform trucks. The replacement program has been developed on an as required basis since history has proven that many items of MHE have been maintained beyond the life expectancies developed and promulgated by DOD directives. This equipment is procured through Defense Construction Supply Center (DCSC), Columbus, Ohio. Also included in this roll-up line is funding to provide the required number of units to fill deficiencies for the Extended Boom Forklift and replace the Marine Corps aging and worn-out inventory of buckets and fork attachments used with the Tractor, Rubber Tired, Articulated Steering, Multi-Purpose (TRAM).

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 069			P-1 Line Item Nomenclature: MATERIAL HANDLING EQUIPMENT (P66726)			Weapon System Type:			Date: February 1998		
Weapon System Cost Elements		ID	FY 97			FY 98			FY 99				
		CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost		
			\$000	Each	\$	\$000	Each	\$	\$000	Each	\$		
MATERIAL HANDLING EQUIPMENT (I&L			3062			2421			3737				
MATERIAL HANDLING EQUIPMENT (SYSCOM						2701			2716				
TOTAL			3062			5122			6453				

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 069			P-1 Line Item Nomenclature: MATERIAL HANDELING EQUIPMENT			Weapon System Type:			Date: February 1998		
Weapon Svstem Cost Elements		ID	FY 97			FY 98			FY 99				
		CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost		
			\$000	Each	\$	\$000	Each	\$	\$000	Each	\$		
Material Handling Equipment (I&L													
Forklift, Fuel 4000 lb			1097	50	21940	540	24	22500	920	40	23000		
Forklift, Fuel 6000 lb			1281	49	26143	321	12	26750	1809	66	27409		
Forklift, Fuel 15000 lb			58	1	58000	178	4	44500	243	6	40500		
Forklift, Fuel 10000 lb			93	1	93000	95	1	95000	195	2	97500		
Forklift, Electric 4000 lb			47	2	23500	96	4	24000	73	3	24333		
Forklift, Electric 6000 lb			30	1	30000	92	3	30667	156	5	31200		
Tractor, Warehouse Fuel 4000 lb			147	12	12250	50	4	12500	64	5	12800		
Crane, Warehouse Fuel 10000 lb			68	1	68000	139	2	69500	71	1	71000		
Pallet, Truck Electric Nontierinc			26	3	8667	18	2	9000	37	4	9250		
Pallet, Truck Electric Tierinc						37	2	18500	19	1	19000		
Forklift, R/T 6000 lb			215	3	71667				150	2	75000		
Forklift, Fuel, 92500						855	2	427500					
Material Handlingf Equipment (SYSCOM													
Extended Boom Forklift						2625	24	109375	2632	23	114417		
Forklift Attachment 10K (TRAM)						76	11	6909	84	11	7627		
TOTAL			3062			5122			6453				

**Exhibit P-40, Budget Item Justification Sheet**

Date:

February 1998

Appropriation / Budget Activity/Serial No:

Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 070

P-1 Item Nomenclature:

FIRST DESTINATION TRANSPORTATION (P66992)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	7.5			2.2	1.4	1.9	1.7	7.3	11.8	11.1		44.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	7.5			2.2	1.4	1.9	1.7	7.3	11.8	11.1		44.9
Initial Spares												
Total Proc Cost	7.5			2.2	1.4	1.9	1.7	7.3	11.8	11.1		44.9
Flyaway U/C												
Wpn Sys Proc U/C												

This program provides logistics support for planned quantities of materials and end items procured under the PMC appropriation to be shipped from manufacturers and/or suppliers to the Marine Corps users or facilities. All transportation included in this program is provided by commercial or industrially funded DoD transportation services.

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipmer (6) / 070			P-1 Line Item Nomenclature: FIRST DESTINATION TRANSPORTATION (P66992)			Weapon System Type:			Date: February 1998		
<b>Weapon Svstem Cost Elements</b>	ID CD				<b>FY 97</b>			<b>FY 98</b>			<b>FY 99</b>		
					TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
First Destination Transporator					2210			1364			1864		
<b>TOTAL</b>					<b>2210</b>			<b>1364</b>			<b>1864</b>		

**Exhibit P-40, Budget Item Justification Sheet**

Date:

February-98

Appropriation / Budget Activity/Serial No:

Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 071

P-1 Item Nomenclature:

FIELD MEDICAL EQUIPMENT (P66370)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	4.5			10.0	10.8	2.2	3.2	3.8	3.7	3.4		41.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	4.5			10.0	10.8	2.2	3.2	3.8	3.7	3.4		41.6
Initial Spares												
Total Proc Cost	4.5			10.0	10.8	2.2	3.2	3.8	3.7	3.4		41.6
Flyaway U/C												
Wpn Sys Proc U/C												

Field Medical Equipment provides equipment for the three Marine expeditionary forces, the Marine prepositioned ships and the Norway Geo-prepositioned ships and the Norway Airlanded Marine Expeditionary Brigade (NALM) Program. The item procured in FY96 is the field anesthesia machine. The field anesthesia machine provides newer technology with additional Patient safeguards against delivering too much or too little anesthesia to Marine casualties. Without the proper safeguards, a Marine may receive too little oxygen to the brain thus increasing potential for patient mortality.

The FY97 funds procured equipment to stand up the Chemical/Biological Incident Response Force (CBIRF) and to overcome, basic capability shortfalls in detection, monitoring, and decontamination of toxic industrial and military chemical and biological agents. The program will provide adequate individual protective equipment for adequate protective equipment for CBIRF personnel, communications equipment, medical equipment for patient care and handling and patient care and handling and other necessary support equipment. Fiscal Year 1998 funding will complete procurement of critical and mission essential equipment.

The Stabilization Evacuation Platform to be procured in FY98 and FY99 provides life stabilizing therapies and environmental protection for the combat casualty near the battlefield, and "care in the air" capability not currently available in rescue aircraft in rescue aircraft. The platform will interface with the current medical evacuation vehicles. A secondary program objective is to demonstrate that these battlefield capabilities will stimulate similar products for civilian health care applications. Patient and system status can be interrogated and controlled via remote communication. The ultimate product will be a mini-intensive care unit consisting of a self-contained evacuation platform for life support.

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipmer (6) / 071			P-1 Line Item Nomenclature: FIELD MEDICAL EQUIPMENT (P66370)			Weapon System Type:			Date: February 1998			
<b>Weapon Svstem Cost Elements</b>		ID				<b>FY 97</b>			<b>FY 98</b>			<b>FY 99</b>		
		CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
						\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
CBIRF EQUIPMENT						10000	Var	Various	9749	Var	Various			
STABILIZATION EVACUATION PLATFORM									1081	11	98273	2184	22	99273
<b>TOTAL</b>						<b>10000</b>			<b>10830</b>			<b>2184</b>		

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 1998

Appropriation / Budget Activity/Serial No:  
Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) /  
071

Weapon System Type:

P-1 Line Item Nomenclature:  
FIELD MEDICAL EQUIPMENT (P66370)

WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY97 CBIRF Equipment	VARIOUS	SS/FFP	MCSC	VARIOUS	VARIOUS	VARIOUS	VARIOUS	N/A	N/A	N/A
FY98 Stabilization Evacuation Platform	MILSTRIP	FP	MARCORSYSCOM	Feb-98	Apr-98	11	98273	YES	NO	N/A
FY99 Stabilization Evacuation Platform	MILSTRIP	FP	DPSC/NMLC	Feb-99	Apr-99	22	99273	YES	NO	N/A

REMARKS:

<b>Exhibit P-20, Requirements Study</b>		Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 071				Date: February 1998		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): FIELD MEDICAL EQUIPMENT (P66370)		Admin Leadtime (after Oct 1): 4 Months				Prod Leadtime: 17 Months		
Line Descriptions		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			11	22	21	21	22	23
Unit Cost			0.1	0.1	0.1	0.1	0.1	0.1
Total Cost			1.1	2.2	2.3	2.4	2.4	2.5
Asset Dynamics								
Beginning Asset Position								
Deliveries from: FY 1997 Funding								
Deliveries from: FY 1998 Funding				11				
Deliveries from: FY 1999 Funding					22			
Deliveries from Subsequent Years Funds						21	21	22
Other Gains								
Combat Losses								
Training Losses								
Test Losses								
Other Losses								
Disposals/Retirements/Attritions								
End of Year Asset Position				11	33	54	75	97
Inventory Objective or Current Authorized Allowance								
Inventory Objective 120	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)		Vehicles Eligible for Replacement	Aircraft: TOAI		
Assets Rqd for Combat Loads:	96 thru FY XXXX	96 thru FY XXXX	96 thru FY XXXX		FY 1998	PAA: TAI		
WRM Rqmt:	FY XXXX	FY XXXX	FY XXXX		FY 1999	Attrition Res		
Pipeline:	FY XXXX	FY XXXX	FY XXXX		Augment	BAI		
Other:	FY XXXX	FY XXXX	FY XXXX			Inactive Inv		
Total:						Storage		
<b>Remarks:</b> Stabilization Evacuation Platform								

<b>Exhibit P-20, Requirements Study</b>		Appropriation/Budget Activity/Serial No: Procurement, Marine Corps /Engineer and Other Equipment / P6637071				Date: February 199€		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): FIELD MEDICAL EQUIPMENT (66370)		Admin Leadtime (after Oct 1): 11 Months				Prod Leadtime: 23 Months		
Line Descriptions		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary								
Unit Cost								
Total Cost								
Asset Dynamics								
Beginning Asset Position			26	53				
Deliveries from: FY 1997 Funding								
Deliveries from: FY 1998 Funding								
Deliveries from: FY 1999 Funding								
Deliveries from Subsequent Years Funds								
Other Gains								
Combat Losses								
Training Losses								
Test Losses								
Other Losses								
Disposals/Retirements/Attritions								
End of Year Asset Position			26	53				
Inventory Objective or Current Authorized Allowance								
Inventory Objective 79	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for Replacement	Aircraft: TOAI			
Assets Rqd for Combat Loads:	96 thru FY XXXX	96 thru FY XXXX	96 thru FY XXXX	FY 1998	PAA: TAI			
WRM Rqmt:	FY XXXX	FY XXXX	FY XXXX	FY 1999	Attrition Res			
Pipeline:	FY XXXX	FY XXXX	FY XXXX	Augment	BAI			
Other:	FY XXXX	FY XXXX	FY XXXX		Inactive Inv			
Total:					Storage			
<b>Remarks:</b> Field Anesthesia Machine								









**Exhibit P-40, Budget Item Justification Sheet**

Date: February 1998

Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 072  
 P-1 Item Nomenclature: TRAINING DEVICES/SIMULATORS (P66445)

Program Elements for Code B Items: Code: Other Related Program Elements:

	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost	103.1		50.7	5.8	3.3	22.5	21.5	40.8	51.6	Cont	Cont
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	103.1		50.7	5.8	3.3	22.5	21.5	40.8	51.6	Cont	Cont
Initial Spares	2.8		0.8	3.8	0.2					Cont	Cont
Total Proc Cost	105.9		51.5	9.6	3.5	22.5	21.5	40.8	51.6	Cont	Cont
Flyaway U/C											
Wpn Sys Proc U/C											

**REMOVED TARGET SYSTEM:** FY 96 and FY 97 funds will provide various types of Remoted Target System ranges to the Marine Corps Air Ground Combat Center, 29 Palms, Camp Pendleton, and Camp Lejeune. These automated, computer controlled ranges will provide realistic training for both individual infantryman and crews of armored vehicles in both offensive and defensive combat shooting skills heretofore learned only in actual combat.

**MINOR TRAINING DEVICES/SIMULATORS:** These items are commercially nondevelopmental training devices and other service minor training devices for use by Marine Corps Schools, operating forces, bases and stations.

**AUDIOVISUAL EQUIPMENT:** Provides equipment required by the Training and Audiovisual Support Centers (TAVSC) for audiovisual productions. Items replace worn out, unserviceable and/or obsolete equipment. Requirements are based on a centrally managed program for 19 TAVSC's throughout the Marine Corps. Procurements are centrally managed and are nondevelopmental, off-the-shelf.

**MULTIPLE INTEGRATED LASER ENGAGEMENT SYSTEM (MILES):** Provides a family of low power, eye safe lasers which simulates the direct fire characteristics of infantry assault, armor, anti-armor mechanized weapons system and provides the gunner with hit or miss determination. MILES is designed to be used by MAGTF as a force-on-force engagement simulation training system. The Marine Corps Master Plan (MCMP) signed by the Commandant of the Marine Corps mandates that the lowest level of force-on-force training shall be at the battalion vice company level.

**NOTE:** A battalion set includes MILES Precision Gunnery System (for the LAV), MILES TWGSS (for the tanks), and MILES 2000 (for infantry).

<b>Exhibit P-40C Budget Item Justification Sheet</b>		Date February 1998
Appropriation / Budget Activity/Serial No. Procurement, Marine Corps /Engineer and Other Equipment / P6644072		P-1 Item Nomenclature TRAINING DEVICES /SIMULATORS (P66445)
Program Elements for Code B Items	Code	Other Related Program Elements
<p>DT - NOV 97  OT - DEC 97 ARMY, JAN 98 USMC  IOT&amp;E - DEC 97 ARMY, JAN 98 USMC  RDT&amp;E PE NUMBER: N/A  TECHNICAL DATA PACKAGES - AFTER OT, TBD  MSI,II, AND III - NO MILESTONE I OR II, MILESTONE IIIA/LRIP MAY 95  MILESTONE III - FEB 98  TEST RESULT - NO FORMAL TEST RESULT AVAILABLE TO DATE, ONLY TEST INTERIM UPDATES AVAILABLE.</p> <p>INFANTRY SQUAD TRAINER (IST): Provides basic and sustained marksmanship training consisting of qualification ranges, shoot/no-shoot and squad combat scenarios. The Infantry Squad Trainer consists of 12 firing positions, one instructor station, and one visual display system . Weapons modeled include simulated M16A2, shotgun, HKMP-5, 240G, SAW, MK-19, M-203, AT-4, 50 cal machine gun, M-9, SMAW, 60mm and 81mm mortars. The trainers will be distributed to Commands, Schools of Infantry, and Marine Corps Reserve Centers.</p> <p>DISTANCE LEARNING: Distance Learning will provide effective training with fewer resources by using modern instructional technologies (interactive software/courseware) and remote delivery systems (local and wide-area networks (LAN/WAN)). Distance Learning will yield savings in specialized skills training, TAD costs and manpower structure required to conduct this training. Funds are primarily required to procure the hardware to support an expanding distance learning structure base.</p> <p>TITAN CLAIM: Settlement for claim by the Armed Services Board of Contract Appeals (ASBCA) No. 47040 in regards to the Universal Maintenance Trainer.</p>		

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 072			P-1 Line Item Nomenclature: TRAINING DEVICES (P66445)			Weapon System Type:			Date: February 1998			
<b>Weapon Svstem Cost Elements</b>		ID				<b>FY 97</b>			<b>FY 98</b>			<b>FY 99</b>		
		CD			TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	
					\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	
Remoted Target System		A			3167	3	VAR							
Minor Training Devices/Simulator:		A			1727	VAR	VAR	825	VAR	VAR	888	VAR	VAR	
Audiovisual Equipmen		A			1857	VAR	VAR	1111	VAR	VAR	1179	VAR	VAR	
Multiple Integrated Laser Engagement System System		B			37000	9	4111	3865	1	3865				
Infantry Squad Trainee <b>RESERVES</b>		A			3016 700	10	372							
Distance Learning		A									1238	VAR	VAR	
Titan Clair					3200									
<b>TOTAL</b>					<b>50667</b>			<b>5801</b>			<b>3305</b>			
Active Reserve					49967 700			5801			3305			

### Exhibit P-5a, Budget Procurement History and Planning

Date: February 1998

Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 072		Weapon System Type:			P-1 Line Item Nomenclature: TRAINING DEVICES/SIMULATORS (P66445)						
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date	
<b>Remoted Target System</b>											
FY 97	UNISYS, HUNTSVILLE, AL	CFFP	ACALA	May-97	May-98	3	VAR	Y	N	N/A	
<b>Minor Training Devices/Simulators</b>											
FY 97	VARIOUS	CFFP	USMC	VARIES	VARIES	VAR	VAR	Y	N	N/A	
FY 98	VARIOUS	CFFP	USMC	VARIES	VARIES	VAR	VAR	Y	N	N/A	
FY 99	VARIOUS	CFFP	USMC	VARIES	VARIES	VAR	VAR	Y	N	N/A	
<b>Audiovisual Equipment</b>											
FY 97	VARIOUS	CFFP	ARMY	VARIES		VAR	VAR	Y	N	N/A	
FY 98	VARIOUS	CFFP	ARMY	VARIES		VAR	VAR	Y	N	N/A	
FY 99	VARIOUS	CFFP	ARMY	VARIES		VAR	VAR	Y	N	N/A	
<b>Multiple Integrated Laser Engagement System</b>											
FY 97	COBIC DEF STS, SAN DIEGO, CA	CFFP	STRICOM	Mar-98	Aug-98	9	4111	Y	N	N/A	
FY 98	COBIC DEF STS, SAN DIEGO, CA	CFFP/O	STRICOM	Mar-98	Sep-98	1	3865	Y	N	N/A	
<b>REMARKS:</b>											

**Exhibit P-5a, Budget Procurement History and Planning**

Date:

February 1998

Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 072					Weapon System Type:		P-1 Line Item Nomenclature: TRAINING DEVICES/SIMULATORS				
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date	
Infantry Squad Trainer FY97	FATS INC, SUWANNE, GA	CFFP	USMC	Dec-96	Jul-97	10	372	Y	N	N/A	
Distance Learning FY 99	TBD	CPFF	USMC	Jan-99	Mar-99	Varies	Varies	Y	N	N/A	
<b>REMARKS:</b>											

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 1998

Appropriation / Budget Activity/Serial No:  
Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 073

P-1 Item Nomenclature:  
CONTAINER FAMILY (P66601)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
	9.1			7.1	6.1	7.1	11.5	5.7	11.7	6.2	CONT.	CONT.
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	9.1			7.1	6.1	7.1	11.5	5.7	11.7	6.2	CONT.	CONT.
Initial Spares												
Total Proc Cost	9.1			7.1	6.1	7.1	11.5	5.7	11.7	6.2	CONT.	CONT.
Flyaway U/C												
Wpn Sys Proc U/C												

The Container Family will provide the Fleet Marine Force with a fully intermodal transport capability emphasizing dimensional standardization and International Organization for Standardization compatability. Containers will replace locally assembled prefabricated wooden mount out boxes and flat and box pallets. The containers will be used to support storage and movement of organizational property and consumable supplies, provide field, garrison and shipboard warehousing, and facilitate ship-to-shore movement.

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 073			P-1 Line Item Nomenclature: CONTAINER FAMILY (P66601)			Weapon System Type:			Date: February 1998		
<b>Weapon Svstem Cost Elements</b>		<b>FY 96</b>			<b>FY 97</b>			<b>FY 98</b>			<b>FY 99</b>		
ID	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Pallet Container TAMCN C443' Reserves	A				1116 1072	3832	571	798 78	1500	584	971 93	1783	597
Quadruple Container TAMCN C443: Reserves	A				1644 573	747	2968	1452 382	651	2817	1256 530	619	2885
Insert Container TAMCN 443' Reserves	A				915 238	7952	145	1390 200	10744	148	1473 275	11577	151
Pallet Container Rack TAMCN C443: Reserves	A				24 33	381	149				22 18	254	157
Quadruple Container Rack TAMCN C443: Reserves	A				147 45	137	1400				199 51	171	1462
Horizontal Connecto								87	820	106	124	1152	108
Half-Length Insert					1305	15000	87	1636	18382	89	2046	22484	91
Program Documentatior					6			15			8		
Travel					4			13			8		
<b>TOTAL</b>					<b>7122</b>			<b>6051</b>			<b>7074</b>		
Active					5347			5391			6107		
Reserve					1775			660			967		

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 1998

Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 073		Weapon System Type:			P-1 Line Item Nomenclature: CONTAINER FAMILY (P66601)					
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Pallet Container FY 1997	Plastics Research Corp Santa Fe Springs, CA	/Option	USMC	Mar-97	Jun-97	3832	571	YES	NO	N/A
FY 1998	Unknown*	C/FFP	USMC	Dec-97	Dec-98	1500	584	YES	NO	Aug-97
FY 1999	Unknown*	C/FFP	USMC	Dec-98	Apr-99	1783	597	YES	NO	N/A
Quadruple Container FY 1997	Def Supply Ctr, Richmond Va	C/FFP	USMC	Oct-97	Oct-98	747	2968	YES	NO	Jun-97
FY 1998	Def Supply Ctr, Richmond Va	C/FFP	USMC	Jan-98	Oct-98	651	2817	YES	NO	N/A
FY 1999	Def Supply Ctr, Richmond Va	C/FFP	USMC	Dec-98	Apr-99	619	2885	YES	NO	N/A
Insert, Container FY 1997	Plastics Research Corp Santa Fe Springs, CA	/Option	USMC	Mar-97	Jun-97	7952	145	YES	NO	Jun-97
FY 1998	Unknown*	C/FFP	USMC	Dec-97	Dec-98	10744	148	YES	NO	Aug-97
FY 1999	Unknown	C/FFP	USMC	Dec-98	Apr-99	11577	151	YES	NO	N/A
Pallet Container Rack FY 1997	Plastics Research Corp Santa Fe Springs, CA	/Option	USMC	Mar-97	Jun-97	381	149	YES	NO	N/A
FY 1999	Unknown*	C/FFP	USMC	Dec-98	Apr-99	254	157	YES	NO	N/A
Quadruple Container Rack FY 1997	Unknown*	C/FFP	USMC	Oct-97	Oct-98	137	1400	YES	NO	Jun-97
FY 1999	Unknown*	C/FFP	USMC	Dec-98	Apr-99	171	1462	YES	NO	N/A

REMARKS:

<b>Exhibit P-20, Requirements Study</b>		Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 073				Date: February-98			
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): CONTAINER FAMILY (P66601)		Admin Leadtime (after Oct 1): Pallet Container				Prod Leadtime: 2 Months			
						11 Months			
Line Descriptions		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	
Buy Summary		3832	1500	1783	8138	4000	7934	5000	
Unit Cost		0.6	0.6	0.6	0.6	0.6	0.7	0.7	
Total Cost		2188.0	876.0	1064.0	5151.4	2580.0	5173.0	3360.0	
<b>Asset Dynamics</b>									
Beginning Asset Position	:	11471	12747	15303	17442	24688	29722	36673	
Deliveries from: FY 1997 Funding		1276	2556						
Deliveries from: FY 1998 Funding				1250	250				
Deliveries from: FY 1999 Funding				889	894				
Deliveries from Subsequent Years Funds					6102	5034	6951	4983	
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
<b>Disposals/Retirements/Attritions</b>									
End of Year Asset Position	:	12747	15303	17442	24688	29722	36673	41656	
<b>Inventory Objective or Current Authorized Allowance</b>									
Inventory Objective 59447		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement	Aircraft: TOAI
Assets Rqd for Combat Loads:		96 thru FY XXXX		96 thru FY XXXX		96 thru FY XXXX		FY 1998	PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999	Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment	BAI
Other:		FY XXXX		FY XXXX		FY XXXX			Inactive Inv
Total:									Storage
<b>Remarks:</b>									

<b>Exhibit P-20, Requirements Study</b>		Appropriation/Budget Activity/Serial No: Procurement, Marine Corps /Engineer and Other Equipment / P6660073				Date: February-9€		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): Quadruple Container		Admin Leadtime (after Oct 1): 1 Months				Prod Leadtime: 3 Months		
Line Descriptions		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary		747	651	619	1089	535	1177	522
Unit Cost		3.0	2.8	2.9	3.2	3.3	3.4	3.5
Total Cost		2217.0	1834.0	1786.0	3510.9	1775.6	3987.6	1823.0
<b>Asset Dynamics</b>								
Beginning Asset Position				747	1705	2614	3479	4337
Deliveries from:	FY 1997 Funding		747					
Deliveries from:	FY 1998 Funding			651				
Deliveries from:	FY 1999 Funding			307	312			
Deliveries from Subsequent Years Funds					597	865	858	979
Other Gains								
Combat Losses								
Training Losses								
Test Losses								
Other Losses								
<b>Disposals/Retirements/Attritions</b>								
End of Year Asset Position	:		747	1705	2614	3479	4337	5316
<b>Inventory Objective or Current Authorized Allowance</b>								
Inventory Objective 20152	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement	Aircraft: TOAI	
Assets Rqd for Combat Loads:	96 thru FY XXXX	96 thru FY XXXX		96 thru FY XXXX		FY 1998	PAA: TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999	Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment	BAI	
Other:	FY XXXX	FY XXXX		FY XXXX			Inactive Inv	
Total:							Storage	
<b>Remarks:</b>								

Exhibit P-20, Requirements Study		Appropriation/Budget Activity/Serial No: Procurement, Marine Corps /Engineer and Other Equipment / P6660073				Date: February-98		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): Insert Container		Admin Leadtime (after Oct 1): 5 Months				Prod Leadtime: 3 Months		
Line Descriptions		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary		7952	10744	11577	16353	7677	15228	5192
Unit Cost		0.1	0.1	0.2	0.2	0.2	0.2	0.2
Total Cost		1153.0	1590.0	1748.0	2600.1	1259.0	2512.5	1012.0
Asset Dynamics								
Beginning Asset Position		36008	43960	52912	60491	78545	88391	101732
Deliveries from: FY 1997 Funding		7952						
Deliveries from: FY 1998 Funding			8952	1792				
Deliveries from: FY 1999 Funding				5787	5790			
Deliveries from Subsequent Years Funds					12264	9846	13341	7700
Other Gains								
Combat Losses								
Training Losses								
Test Losses								
Other Losses								
Disposals/Retirements/Attritions								
End of Year Asset Position		43960	52912	60491	78545	88391	101732	109432
Inventory Objective or Current Authorized Allowance								
Inventory Objective 168012	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement	Aircraft: TOAI	
Assets Rqd for Combat Loads:	96 thru FY XXXX	96 thru FY XXXX		96 thru FY XXXX		FY 1998	PAA: TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999	Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment	BAI	
Other:	FY XXXX	FY XXXX		FY XXXX			Inactive Inv	
Total:							Storage	
<b>Remarks:</b>								

<b>Exhibit P-20, Requirements Study</b>		Appropriation/Budget Activity/Serial No: Procurement, Marine Corps /Engineer and Other Equipment / P6660073				February-98		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): Pallet Container Rack		Admin Leadtime (after Oct 1): 5 Months				Prod Leadtime: 3 Months		
Line Descriptions		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary		381		254	1507	700	1190	600
Unit Cost		0.1		0.2	0.2	0.2	0.2	0.2
Total Cost		57.0		40.0	247.1	116.3	203.5	106.0
<b>Asset Dynamics</b>								
Beginning Asset Position		3061	3189	3442	3568	4825	5726	6794
Deliveries from:	FY 1997 Funding	128	253					
Deliveries from:	FY 1998 Funding							
Deliveries from:	FY 1999 Funding			126	128			
Deliveries from Subsequent Years Funds					1129	901	1068	749
Other Gains								
Combat Losses								
Training Losses								
Test Losses								
Other Losses								
<b>Disposals/Retirements/Attritions</b>								
End of Year Asset Position		3189	3442	3568	4825	5726	6794	7543
<b>Inventory Objective or Current Authorized Allowance</b>								
Inventory Objective 10902	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement	Aircraft: TOAI	
Assets Rqd for Combat Loads:	96 thru FY XXXX	96 thru FY XXXX		96 thru FY XXXX		FY 1998	PAA: TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999	Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment	BAI	
Other:	FY XXXX	FY XXXX		FY XXXX			Inactive Inv	
Total:							Storage	
<b>Remarks:</b>								

<b>Exhibit P-20, Requirements Study</b>		Appropriation/Budget Activity/Serial No: Procurement, Marine Corps /Engineer and Other Equipment / P6660073				Date: February-9€		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): Quadruple Container Rack		Admin Leadtime (after Oct 1): 1 Months				Prod Leadtime: 11 Months		
Line Descriptions		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary		137		171	203	100	48	86
Unit Cost		1.4		1.5	1.5	1.6	1.6	1.7
Total Cost		192.0		250.0	306.5	155.1	236.4	142.0
<b>Asset Dynamics</b>								
Beginning Asset Position		1346	1346	1346	1567	1755	1905	2029
Deliveries from:	FY 1997 Funding			137				
Deliveries from:	FY 1998 Funding							
Deliveries from:	FY 1999 Funding			84	87			
Deliveries from Subsequent Years Funds					101	150	124	118
Other Gains								
Combat Losses								
Training Losses								
Test Losses								
Other Losses								
<b>Disposals/Retirements/Attritions</b>								
End of Year Asset Position		1346	1346	1567	1755	1905	2029	2147
<b>Inventory Objective or Current Authorized Allowance</b>								
Inventory Objective 3420	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement	Aircraft: TOAI	
Assets Rqd for Combat Loads:	96 thru FY XXXX	96 thru FY XXXX		96 thru FY XXXX		FY 1998	PAA: TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999	Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment	BAI	
Other:	FY XXXX	FY XXXX		FY XXXX			Inactive Inv	
Total:							Storage	
<b>Remarks:</b>								









**Exhibit P-40, Budget Item Justification Sheet**

Date:

February 1998

Appropriation / Budget Activity/Serial No:

Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 074

P-1 Item Nomenclature:

MODIFICATION KITS (P66723)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	1.6			1.6	1.2	1.2	1.3	1.3	1.3	1.4	Continuing	Continuing
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	1.6			1.6	1.2	1.2	1.3	1.3	1.3	1.4	Continuing	Continuing
Initial Spares												
Total Proc Cost	1.6			1.6	1.2	1.2	1.3	1.3	1.3	1.4	Continuing	Continuing
Flyaway U/C												
Wpn Sys Proc U/C												

The FY97 funding will correct safety deficiencies and improve the performance and reliability of the Material Handling Equipment (MHE) Forklift. These modifications increase the safety, ease, and speed with which pallets can be moved.

The FY98 Chem Det Kit (Water) will upgrade water testing capabilities to meet current water testing standards. The FY98 MHE upgrades will install harmonic spacers on the 4K forklift allowing for improved reliability, improve operation and maintenance.

The FY99 MHE upgrades improve the overall operation and maintenance of the 4K forklift through installation of carriage lock actuators that improve the reliability, maintainability, and performance. The FY99 M9 ACE upgrade will improve operation and maintenance by installing automatic track tensioners.

**Exhibit P-40 Budget Item Justification Sheet**

Date

February 1998

Appropriation / Budget Activity/Serial No.

Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 074

P-1 Item Nomenclature

MODIFICATION KITS (P66723)

Program Elements for Code B Items

Code

Other Related Program Elements

MOD	INSTALLING AGENT	INSTALLATION	END ITEM/FACILITY
MHE MOD	FIELD	BEGIN: JUL 97 - END: JUN 98	FLEET MARINE FORCE (FMF)
CHEM DET	FIELD	BEGIN: JUN 98 - END: SEP 98	FLEET MARINE FORCE (FMF)
MK 4000	FIELD	BEGIN: MAY 98 - END: MAY 99	FLEET MARINE FORCE (FMF)
M9 ACE	FIELD	BEGIN: MAY 99 - END: MAR 00	FLEET MARINE FORCE (FMF)
CONTAINER HANDLER	FIELD	BEGIN: MAY 00 - END: MAR 01	FLEET MARINE FORCE (FMF)
TRAM	FIELD	BEGIN: MAY 01 - END: MAR 02	FLEET MARINE FORCE (FMF)
ROLLER, COMPACTOR	FIELD	BEGIN: MAY 02 - END: MAR 03	FLEET MARINE FORCE (FMF)
3KW/60HZ GEN	FIELD	BEGIN: MAY 98 - END: SEP 98	FLEET MARINE FORCE (FMF)
10KW/60HZ GEN	FIELD	BEGIN: MAY 98 - END: SEP 98	FLEET MARINE FORCE (FMF)
30 & 60 KW GEN	FIELD	BEGIN: MAY 98 - END: SEP 98	FLEET MARINE FORCE (FMF)

**Exhibit P-40C Budget Item Justification Sheet**

Date  
February 1998

Appropriation / Budget Activity/Serial No. Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 074  
P-1 Item Nomenclature MODIFICATION KITS (P66723)

Program Elements for Code B Items Code Other Related Program Elements

Description		Fiscal Years									
OSIP NO.	Classification	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	TC	Total	
	MHE Mod										
	1 Safety	1.1	0.0	0.0	0.0	0.0	0.0	1.4	0.0	2.5	
	Chemical Detection Kit (Water)										
	2 Reliability	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	
	MC-4000 Upgrades										
	3 Reliability	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	
	MC-4000 Upgrades (Hydraulic, Carriage)										
	4 Reliability	0.0	1.0	1.1	0.0	0.0	0.0	0.0	0.0	2.0	
	M-9 ACE										
	5 Reliability	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	
	Container Handler										
	6 Reliability	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	
	TRAM (10,000 lbs Forklift/Mat'l Handler)										
	7 Reliability	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.3	
	Roller, Compactor										
	8 Reliability	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	1.3	
	3KW/60HZ GEN										
	9 Reliability	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	
	10KW/60HZ GEN										
	10 Reliability	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	
	30KW & 60KW GEN										
	11 Reliability	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	
	<b>Totals</b>	<b>1.6</b>	<b>1.2</b>	<b>1.3</b>	<b>1.3</b>	<b>1.3</b>	<b>1.3</b>	<b>1.4</b>	<b>0.0</b>	<b>9.3</b>	

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 074			P-1 Line Item Nomenclature: MODIFICATION KITS (P66723)			Weapon System Type:			Date: February 1998		
<b>Weapon Svstem Cost Elements</b>	ID CD				<b>FY 97</b>			<b>FY 98</b>			<b>FY 99</b>		
					TotalCost \$000	Qty Each	UnitCost \$	TotalCost \$000	Qty Each	UnitCost \$	TotalCost \$000	Qty Each	UnitCost \$
MHE MOD					1081	636	1700						
CHEM DET KIT (WATER)								98	39	2500			
MC 4K UPGRADES (GAUGES/SENSORS)								139	633	220			
MC 4K UPGRADES (HYDRAULIC/CARRIAGE)								950	296	3209	1056	322	3280
M9 ACE UPGRADE AUTO-TRACK TENSIONER											172	80	2150
3KW/60HZ GENERATOR					297	100	2970						
10KW/60HZ GENERATOR					80	400	199						
30 AND 60 KW GENERATOR					128	200	640						
<b>TOTAL</b>					<b>1586</b>			<b>1187</b>			<b>1228</b>		
MHE MOD Reserves					172	101	2494						
CHEM DET KIT (WATER) Reserves								10	4	2500			
MC 4K UPGRADES (GAUGES/SENSORS) Reserves								22	101	220			
MC 4K UPGRADES (HYDRAULIC/CARRIAGE) Reserves								154	48	3209	157	48	3280
M9 ACE UPGRADE AUTO-TRACK TENSIONER Reserves											15	7	2150
<b>TOTAL RESERVES</b>					<b>172</b>			<b>186</b>			<b>172</b>		

### Exhibit P-5a, Budget Procurement History and Planning

Date:  
February 1998

Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 074		Weapon System Type:			P-1 Line Item Nomenclature: MODIFICATION KITS (P66723)					
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
MHE MOD - FORK TINES FY 97	SOFSA LEXINGTON, KY	FFP	SOFSA LEXINGTON, KY	Apr-97	Jul-97	636	1700	YES	NO	N/A
CHEM DET KIT (WATER) FY 98	US ARMY, ATCOM	FFP	US ARMY, ATCOM	Feb-98	Jun-98	39	2500	YES	NO	N/A
MC 4K UPGRADES (GAUGES, SENSORS WIRES) FY 98	MCLB, ALBANY	FFP	MCLB, ALBANY	Feb-98	May-98	633	220	YES	NO	N/A
MC 4K UPGRADES HYDRAULIC, CARRIAGE FY 98 FY 99	MCLB, ALBANY MCLB, ALBANY	FFP FFP	MCLB, ALBANY MCLB, ALBANY	Feb-98 Feb-99	May-98 May-99	296 322	3209 3280	YES YES	NO NO	N/A N/A
M9 ACE UPGRADE AUTO-TRACK TENSIONER FY99	US ARMY, ATCOM	FFP	US ARMY, ATCOM	Feb-99	May-99	80	2150	YES	NO	N/A
3KW/60HZ GENERATOR FY 97	DSC, COLUMBIA, OH	FFP	DSC, COLUMBIA, OH	Sep-97	May-98	100	2970	YES	NO	N/A
10KW/60HZ GENERATOR SETS FY 97	NWSC, CRANE, IN	FFP	NWSC, CRANE, IN	Sep-97	May-98	400	199	YES	NO	N/A
30 AND 60 KW GENERATOR SETS FY 97	MCLB, ALBANY, GA	FFP	MCLB, ALBANY, GA	Sep-97	May-98	200	640	YES	NO	N/A

REMARKS:

**INDIVIDUAL MODIFICATION**

Date February 1998

**MODIFICATION TITLE:** MHE Mod 03

**MODELS OF SYSTEMS AFFECTED:**

**DESCRIPTION / JUSTIFICATION:**

This modification will correct safety deficiencies and improve the performance of the Extendable Boom Forklift by allowing it to safely and effectively lift Air Force 463L Pallets. It will increase the safety, ease, and speed with which the 463L Pallets can be moved and loaded.

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:**

**Installation Schedule:**

Pr Yr	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<b>Totals</b>																				
<b>Inputs</b>																				
<b>Outputs</b>																				

  

Pr Yr	FY 2002				FY 2003				FY 2004				FY 2005				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
<b>Inputs</b>																		
<b>Outputs</b>																		

**METHOD OF IMPLEMENTATION:** Field      **ADMINISTRATIVE LEADTIME:** 3 Months      **PRODUCTION LEADTIME:** 3 Months  
**Contract Dates:** FY 1997 Apr97      FY 1998 Enter Date      FY 1999 Enter Date  
**Delivery Date:** FY 1997 Jul97      FY 1998 Enter Date      FY 1999 Enter Date

INDIVIDUAL MODIFICATION

Date

February 1998

MODIFICATION TITLE (Cont): MHE Mod 03

FINANCIAL PLAN: (\$ in Millions)

	FY 1996 and Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
PROCUREMENT																					
Kit Quantity			636	01.081											634	01.413					1270 02.494
Inst Kits, Nonrecurring																					
Equipment, Nonrecurring																					
ECO																					
Other																					
Installation of Hardware																					
FY 1996 & Prior Eqpt -- Kits																					
FY 1997 Eqpt -- Kits																					
FY 1998 Eqpt -- Kits																					
FY 1999 Eqpt -- Kits																					
FY 2000 Eqpt -- kits																					
FY 2001 Eqpt -- kits																					
FY 2002 Eqpt -- kits																					
FY 2003 Eqpt -- kits																					
(FY(TC) Eqpt (xx kits)																					
Installment Cost																					
Total Procurement Cost				1.081												1.413					2.494

**INDIVIDUAL MODIFICATION**

Date February 1998

**MODIFICATION TITLE:** Chemical Detection Kit (Water) 04

**MODELS OF SYSTEMS AFFECTED:** Chemical Detection Kit

**DESCRIPTION / JUSTIFICATION:**

The chemical detection kit (water) will upgrade water testing capabilities to meet current water testing standards.

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:**

**Installation Schedule:**

Pr Yr	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001					
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
<b>Inputs</b>																						
<b>Outputs</b>																						

  

Pr Yr	FY 2002				FY 2003				FY 2004				FY 2005				To Complete	Totals				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
<b>Inputs</b>																						
<b>Outputs</b>																						

**METHOD OF IMPLEMENTATION:** Field      **ADMINISTRATIVE LEADTIME:** 4 Months      **PRODUCTION LEADTIME:** 4 Months  
**Contract Dates:** FY 1997 Enter Date      FY 1998 Feb98      FY 1999 Enter Date  
**Delivery Date:** FY 1997 Enter Date      FY 1998 Jun98      FY 1999 Enter Date

INDIVIDUAL MODIFICATION

Date

February 1998

MODIFICATION TITLE (Cont): Chemical Detection Kit (Water) 04

FINANCIAL PLAN: (\$ in Millions)

	FY 1996 and Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
PROCUREMENT																					
Kit Quantity					39	00.098														39	00.098
Inst Kits, Nonrecurring																					
Equipment, Nonrecurring																					
ECO																					
Other																					
Installation of Hardware																					
FY 1996 & Prior Eqpt -- Kits																					
FY 1997 Eqpt -- Kits																					
FY 1998 Eqpt -- Kits																					
FY 1999 Eqpt -- Kits																					
FY 2000 Eqpt -- kits																					
FY 2001 Eqpt -- kits																					
FY 2002 Eqpt -- kits																					
FY 2003 Eqpt -- kits																					
(FY(TC) Eqpt (xx kits)																					
Installment Cost																					
Total Procurement Cost						0.098															0.098

**INDIVIDUAL MODIFICATION**

Date February 1998

**MODIFICATION TITLE:** MC-4000 Upgrades 05

**MODELS OF SYSTEMS AFFECTED:** Rough Terrain Forklift

**DESCRIPTION / JUSTIFICATION:**

Various modifications will improve the safety, reliability, maintainability and performance of the small tactical forklift.

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:**

**Installation Schedule:**

Pr Yr	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001					
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
<b>Inputs</b>																						
<b>Outputs</b>																						

  

Pr Yr	FY 2002				FY 2003				FY 2004				FY 2005				To Complete	Totals				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
<b>Inputs</b>																						
<b>Outputs</b>																						

**METHOD OF IMPLEMENTATION:** Field      **ADMINISTRATIVE LEADTIME:** 4 Months      **PRODUCTION LEADTIME:** 3 Months  
**Contract Dates:** FY 1997 Enter Date      FY 1998 Feb98      FY 1999 Enter Date  
**Delivery Date:** FY 1997 Enter Date      FY 1998 May98      FY 1999 Enter Date

INDIVIDUAL MODIFICATION

Date February 1998

MODIFICATION TITLE (Cont): MC-4000 Upgrades 05

FINANCIAL PLAN: (\$ in Millions)

	FY 1996 and Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
PROCUREMENT																					
Kit Quantity					633	00.139														633	00.139
Inst Kits, Nonrecurring																					
Equipment, Nonrecurring																					
ECO																					
Other																					
Installation of Hardware																					
FY 1996 & Prior Eqpt -- Kits																					
FY 1997 Eqpt -- Kits																					
FY 1998 Eqpt -- Kits																					
FY 1999 Eqpt -- Kits																					
FY 2000 Eqpt -- kits																					
FY 2001 Eqpt -- kits																					
FY 2002 Eqpt -- kits																					
FY 2003 Eqpt -- kits																					
(FY(TC) Eqpt (xx kits)																					
Installment Cost																					
Total Procurement Cost						0.139															0.139

**INDIVIDUAL MODIFICATION**

Date February 1998

**MODIFICATION TITLE:** MC-4000 Upgrades (Hydraulic, Carriage) 06

**MODELS OF SYSTEMS AFFECTED:** Rough Terrain Forklift

**DESCRIPTION / JUSTIFICATION:**

Various modifications will improve the safety, reliability, maintainability and performance of the small tactical forklift.

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:**

**Installation Schedule:**

Pr Yr	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001					
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
<b>Inputs</b>																						
<b>Outputs</b>																						

  

Pr Yr	FY 2002				FY 2003				FY 2004				FY 2005				To Complete	Totals				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
<b>Inputs</b>																						
<b>Outputs</b>																						

**METHOD OF IMPLEMENTATION:** Field      **ADMINISTRATIVE LEADTIME:** 4 Months      **PRODUCTION LEADTIME:** 3 Months  
**Contract Dates:** FY 1997      FY 1998      Feb98      FY 1999      Feb99  
**Delivery Date:** FY 1997      FY 1998      May98      FY 1999      May99

INDIVIDUAL MODIFICATION

Date February 1998

MODIFICATION TITLE (Cont): MC-4000 Upgrades (Hydraulic, Carriage) 06

FINANCIAL PLAN: (\$ in Millions)

	FY 1996 and Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
PROCUREMENT																					
Kit Quantity					296	00.950	322	01.056												618	02.006
Inst Kits, Nonrecurring																					
Equipment, Nonrecurring																					
ECO																					
Other																					
Installation of Hardware																					
FY 1996 & Prior Eqpt -- Kits																					
FY 1997 Eqpt -- Kits																					
FY 1998 Eqpt -- Kits																					
FY 1999 Eqpt -- Kits																					
FY 2000 Eqpt -- kits																					
FY 2001 Eqpt -- kits																					
FY 2002 Eqpt -- kits																					
FY 2003 Eqpt -- kits																					
(FY(TC) Eqpt (xx kits)																					
Installment Cost																					
Total Procurement Cost						0.950	1.056														2.006

**INDIVIDUAL MODIFICATION**

Date February 1998

**MODIFICATION TITLE:** M-9 ACE 07

**MODELS OF SYSTEMS AFFECTED:** M-9 ACE

**DESCRIPTION / JUSTIFICATION:**

Provides upgrades to the M-9 ACE and installs new automatic track tension system which will improve performance, reliability, and reduce operation and maintenance cost.

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:**

**Installation Schedule:**

Pr Yr	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<b>Totals</b>																				
<b>Inputs</b>																				
<b>Outputs</b>																				

  

Pr Yr	FY 2002				FY 2003				FY 2004				FY 2005				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
<b>Inputs</b>																		
<b>Outputs</b>																		

**METHOD OF IMPLEMENTATION:** Field      **ADMINISTRATIVE LEADTIME:** 4 Months      **PRODUCTION LEADTIME:** 3 Months  
**Contract Dates:** FY 1997      FY 1998      FY 1999      Feb99  
**Delivery Date:** FY 1997      FY 1998      FY 1999      May99

INDIVIDUAL MODIFICATION

Date February 1998

MODIFICATION TITLE (Cont): M-9 ACE 07

FINANCIAL PLAN: (\$ in Millions)

	FY 1996 and Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
PROCUREMENT																					
Kit Quantity							80	00.172												80	00.172
Inst Kits, Nonrecurring																					
Equipment, Nonrecurring																					
ECO																					
Other																					
Installation of Hardware																					
FY 1996 & Prior Eqpt -- Kits																					
FY 1997 Eqpt -- Kits																					
FY 1998 Eqpt -- Kits																					
FY 1999 Eqpt -- Kits																					
FY 2000 Eqpt -- kits																					
FY 2001 Eqpt -- kits																					
FY 2002 Eqpt -- kits																					
FY 2003 Eqpt -- kits																					
(FY(TC) Eqpt (xx kits)																					
Installment Cost																					
Total Procurement Cost								0.172													0.172

**INDIVIDUAL MODIFICATION**

Date February 1998

**MODIFICATION TITLE:** Container Handler

**MODELS OF SYSTEMS AFFECTED:** RTCH

**DESCRIPTION / JUSTIFICATION:**

Modifications will improve system reliability and maintainability. Install a ride stabilization system to prevent excess vibration and shock. Install load moment indicators to ensure vehicle capacity is not being exceeded by the operator.

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:**

**Installation Schedule:**

Pr Yr	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<b>Totals</b>																				
<b>Inputs</b>																				
<b>Outputs</b>																				

  

Pr Yr	FY 2002				FY 2003				FY 2004				FY 2005				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
<b>Inputs</b>																		
<b>Outputs</b>																		

**METHOD OF IMPLEMENTATION:** Field      **ADMINISTRATIVE LEADTIME:** 4 Months      **PRODUCTION LEADTIME:** 2 Months

**Contract Dates:** FY 1997 Enter Date      FY 1998 Enter Date      FY 1999 Enter Date

**Delivery Date:** FY 1997 Enter Date      FY 1998 Enter Date      FY 1999 Enter Date

INDIVIDUAL MODIFICATION

Date February 1998

MODIFICATION TITLE (Cont): Container Handler

FINANCIAL PLAN: (\$ in Millions)

	FY 1996 and Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
PROCUREMENT																					
Kit Quantity									106	01.300										106	01.300
Inst Kits, Nonrecurring																					
Equipment, Nonrecurring																					
ECO																					
Other																					
Installation of Hardware																					
FY 1996 & Prior Eqpt -- Kits																					
FY 1997 Eqpt -- Kits																					
FY 1998 Eqpt -- Kits																					
FY 1999 Eqpt -- Kits																					
FY 2000 Eqpt -- kits																					
FY 2001 Eqpt -- kits																					
FY 2002 Eqpt -- kits																					
FY 2003 Eqpt -- kits																					
(FY(TC) Eqpt (xx kits)																					
Installment Cost																					
Total Procurement Cost										1.300											1.300

**INDIVIDUAL MODIFICATION**

Date February 1998

MODIFICATION TITLE: 10K Forklift

MODELS OF SYSTEMS AFFECTED: TRAM

DESCRIPTION / JUSTIFICATION:

Modification will improve system reliability and safety. Installation of upgraded hydraulics and load moment indicators.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:

This is a non-developmental item.

Installation Schedule:

Pr Yr	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001					
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
<b>Inputs</b>																						
<b>Outputs</b>																						

  

Pr Yr	FY 2002				FY 2003				FY 2004				FY 2005				To Complete	Totals				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
<b>Inputs</b>																						
<b>Outputs</b>																						

METHOD OF IMPLEMENTATION: Field ADMINISTRATIVE LEADTIME: 4 Months PRODUCTION LEADTIME: 2 Months  
 Contract Dates: FY 1997 Enter Date FY 1998 Enter Date FY 1999 Enter Date  
 Delivery Date: FY 1997 Enter Date FY 1998 Enter Date FY 1999 Enter Date

INDIVIDUAL MODIFICATION

Date

February 1998

MODIFICATION TITLE (Cont): 10K Forklift (TRAM)

FINANCIAL PLAN: (\$ in Millions)

	FY 1996 and Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
PROCUREMENT																					
Kit Quantity											634	01.300								634	01.300
Inst Kits, Nonrecurring																					
Equipment, Nonrecurring																					
ECO																					
Other																					
Installation of Hardware																					
FY 1996 & Prior Eqpt -- Kits																					
FY 1997 Eqpt -- Kits																					
FY 1998 Eqpt -- Kits																					
FY 1999 Eqpt -- Kits																					
FY 2000 Eqpt -- kits																					
FY 2001 Eqpt -- kits																					
FY 2002 Eqpt -- kits																					
FY 2003 Eqpt -- kits																					
(FY(TC) Eqpt (xx kits)																					
Installment Cost																					
Total Procurement Cost												1.300									1.300

**INDIVIDUAL MODIFICATION**

Date February 1998

**MODIFICATION TITLE:** Roller Compactor

**MODELS OF SYSTEMS AFFECTED:** Roller Compactor

**DESCRIPTION / JUSTIFICATION:**

Modifications will improve system reliability and maintainability and reduce O&M costs. Install solar maintainer/conditioner for 12/24 volt storage batteries (battery chargers). Modify electrical system to change from 12 volt to 24 volt system. Replace tires with new improved tires.

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:**

Available through Defense Supply Logistics Agency (DLA).

**Installation Schedule:**

Pr Yr	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<b>Totals</b>																				
<b>Inputs</b>																				
<b>Outputs</b>																				

  

Pr Yr	FY 2002				FY 2003				FY 2004				FY 2005				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
<b>Inputs</b>																		
<b>Outputs</b>																		

**METHOD OF IMPLEMENTATION:** Field      **ADMINISTRATIVE LEADTIME:** 4 Months      **PRODUCTION LEADTIME:** 2 Months

**Contract Dates:** FY 1997 Enter Date      FY 1998 Enter Date      FY 1999 Enter Date

**Delivery Date:** FY 1997 Enter Date      FY 1998 Enter Date      FY 1999 Enter Date

INDIVIDUAL MODIFICATION

Date

February 1998

MODIFICATION TITLE (Cont): Rollar Compactor

FINANCIAL PLAN: (\$ in Millions)

	FY 1996 and Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
PROCUREMENT																				
Kit Quantity													52	01.300					52	01.300
Inst Kits, Nonrecurring																				
Equipment, Nonrecurring																				
ECO																				
Other																				
Installation of Hardware																				
FY 1996 & Prior Eqpt -- Kits																				
FY 1997 Eqpt -- Kits																				
FY 1998 Eqpt -- Kits																				
FY 1999 Eqpt -- Kits																				
FY 2000 Eqpt -- kits																				
FY 2001 Eqpt -- kits																				
FY 2002 Eqpt -- kits																				
FY 2003 Eqpt -- kits																				
(FY(TC) Eqpt (xx kits)																				
Installment Cost																				
Total Procurement Cost														1.300						1.300

**INDIVIDUAL MODIFICATION**

Date February 1998

MODIFICATION TITLE: 3KW GENERATOR SET

MODELS OF SYSTEMS AFFECTED: 3KW GENERATOR SET B

DESCRIPTION / JUSTIFICATION:

To extend the life cycle of 3KW Generator Set with a new engine and retrofit kit.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:

Installation Schedule:

Pr Yr	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001					
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
<b>Inputs</b>																						
<b>Outputs</b>																						
Pr Yr	FY 2002				FY 2003				FY 2004				FY 2005				To Complete	Totals				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
<b>Inputs</b>																						
<b>Outputs</b>																						

METHOD OF IMPLEMENTATION: Field ADMINISTRATIVE LEADTIME: 12 Months PRODUCTION LEADTIME: 8 Months  
 Contract Dates: FY 1997 Sep 97 FY 1998 Enter Date FY 1999 Enter Date  
 Delivery Date: FY 1997 May 98 FY 1998 Enter Date FY 1999 Enter Date

INDIVIDUAL MODIFICATION																	Date		February 1998		
MODIFICATION TITLE (Cont):																	3KW Generator Set				
FINANCIAL PLAN: (\$ in Millions)																					
		FY 1996 and Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
		Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																					
PROCUREMENT																					
				100	00.297															100	00.297
		Kit Quantity Inst Kits, Nonrecurring																			
		Equipment, Nonrecurring																			
		ECO																			
		Other																			
Installation of Hardware																					
		FY 1996 & Prior Eqpt -- Kits																			
		FY 1997 Eqpt -- Kits																			
		FY 1998 Eqpt -- Kits																			
		FY 1999 Eqpt -- Kits																			
		FY 2000 Eqpt -- kits																			
		FY 2001 Eqpt -- kits																			
		FY 2002 Eqpt -- kits																			
		FY 2003 Eqpt -- kits																			
		(FY(TC) Eqpt (xx kits)																			
		Installment Cost																			
				0.297																0.297	
		Total Procurement Cost																			

INDIVIDUAL MODIFICATION

Date February 1998

MODIFICATION TITLE: 10KW 60HZ GENERATOR SET

MODELS OF SYSTEMS AFFECTED: 10KW 60HZ GENERATOR SET

DESCRIPTION / JUSTIFICATION:  
Riser rails for mounting and Generator Sets on M116 A3 Trailers.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:

Installation Schedule:

Pr Yr	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001					
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
<b>Inputs</b>																						
<b>Outputs</b>																						

  

Pr Yr	FY 2002				FY 2003				FY 2004				FY 2005				To Complete	Totals				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
<b>Inputs</b>																						
<b>Outputs</b>																						

METHOD OF IMPLEMENTATION: Field ADMINISTRATIVE LEADTIME: 12 Months PRODUCTION LEADTIME: 8 Months  
 Contract Dates: FY 1997 Sep 97 FY 1998 Enter Date FY 1999 Enter Date  
 Delivery Date: FY 1997 May 98 FY 1998 Enter Date FY 1999 Enter Date

INDIVIDUAL MODIFICATION																	Date		February 1998		
MODIFICATION TITLE (Cont): 10 KW 60HZ GENERATOR SET																					
FINANCIAL PLAN: (\$ in Millions)																					
		FY 1996 and Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
		Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																					
PROCUREMENT																					
Kit Quantity				400	00.080															400	00.080
Inst Kits, Nonrecurring																					
Equipment, Nonrecurring																					
ECO																					
Other																					
Installation of Hardware																					
FY 1996 & Prior Eqpt -- Kits																					
FY 1997 Eqpt -- Kits																					
FY 1998 Eqpt -- Kits																					
FY 1999 Eqpt -- Kits																					
FY 2000 Eqpt -- kits																					
FY 2001 Eqpt -- kits																					
FY 2002 Eqpt -- kits																					
FY 2003 Eqpt -- kits																					
(FY(TC) Eqpt (xx kits)																					
Installment Cost																					
Total Procurement Cost					0.080																0.080

INDIVIDUAL MODIFICATION

Date February 1998

MODIFICATION TITLE: 30KW/60HZ, 30KW/400HZ, 60KW/60HZ, AND 60KW/400HZ GENERATOR SET

MODELS OF SYSTEMS AFFECTED: 30KW/60HZ, 30KW/400HZ, 60KW/60HZ, AND 60KW/400HZ GENERATOR SET

DESCRIPTION / JUSTIFICATION:

Riser rails for mounting Generator Sets on M353 Trailers.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:

Installation Schedule:

Pr Yr	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001					
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
<b>Inputs</b>																						
<b>Outputs</b>																						
Pr Yr	FY 2002				FY 2003				FY 2004				FY 2005				To	Totals				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete					
<b>Inputs</b>																						
<b>Outputs</b>																						

METHOD OF IMPLEMENTATION: Field ADMINISTRATIVE LEADTIME: 12 Months PRODUCTION LEADTIME: 8 Months  
 Contract Dates: FY 1997 Sep 97 FY 1998 Enter Date FY 1999 Enter Date  
 Delivery Date: FY 1997 May 98 FY 1998 Enter Date FY 1999 Enter Date

INDIVIDUAL MODIFICATION																	Date		February 1998		
MODIFICATION TITLE (Cont): 30KW and 60KW GENERATOR SET																					
FINANCIAL PLAN: (\$ in Millions)																					
	FY 1996 and Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
PROCUREMENT																					
Kit Quantity			200	00.128																200	00.128
Inst Kits, Nonrecurring																					
Equipment, Nonrecurring																					
ECO																					
Other																					
Installation of Hardware																					
FY 1996 & Prior Eqpt -- Kits																					
FY 1997 Eqpt -- Kits																					
FY 1998 Eqpt -- Kits																					
FY 1999 Eqpt -- Kits																					
FY 2000 Eqpt -- kits																					
FY 2001 Eqpt -- kits																					
FY 2002 Eqpt -- kits																					
FY 2003 Eqpt -- kits																					
(FY(TC) Eqpt (xx kits)																					
Installment Cost																					
Total Procurement Cost				0.128																	0.128

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 1998

Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 075  
 P-1 Item Nomenclature: ITEMS LESS THAN \$2 MILLION (P66950)

Program Elements for Code B Items: Code: Other Related Program Elements:

	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	8.7			1.0	0.7	1.9	0.7	0.8	0.8	0.8	CONT	CONT
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	8.7			1.0	0.7	1.9	0.7	0.8	0.8	0.8	CONT	CONT
Initial Spares				0.03								CONT
Total Proc Cost	8.7			1.1	0.7	1.9	0.7	0.8	0.8	0.8	CONT	CONT
Flyaway U/C												
Wpn Sys Proc U/C												

This is a composite line which consists of engineer and general supply equipment with each costing less than \$2 million. These items are Code "A":

**THE COMPRESSED AIR FOAM SYSTEM, MOBILE (CAFSM) PROGRAM :** The Compressed Air Foam System, Mobile (CAFSM) program, formerly known as Twin Agent Unit, Mobile (TAUM) will replace the current TAU/CUCV configuration with a CAFS mounted into the cargo space of the HMMWV. The CAFSM will support tactical airfields, bulk fuel storage sites and ammunition supply sights. The CAFSM will be organic to the Marine Wing Supprt Groups (MWSGs) and Force Service Support Groups (FSSGs).

**WATER SUPPLY SUPPORT SYSTEM (WSSS):** The WSSS contains 22 separate TAMCNs. Components include 500 gallon drums, up to 50,000 gallon tanks, various pumps, and an assortment of hose connections kits, assemblies and accessories used for the storage and distribution of potable water.

**SURVEY EQUIPMENT:** The Wildsoft 2000 is the software required to retrieve data from the Theodlite. The Theodlite is survey equipment that measures distance and elevation.

<b>Exhibit P-5, Weapon WPN SYST Cost Analysis</b>		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 075			P-1 Line Item Nomenclature: ITEMS LESS THAN \$2 MILLION (P66950)			Weapon System Type:			Date: February 1998		
<b>Weapon Svstem Cost Elements</b>	ID CD				<b>FY 97</b>			<b>FY 98</b>			<b>FY 99</b>		
					TotalCost \$000	Qty Each	UnitCost \$	TotalCost \$000	Qty Each	UnitCost \$	TotalCost \$000	Qty Each	UnitCost \$
Water Supply Spt System (WSSS)					950		VARIOUS	698		VARIOUS	709		VARIOUS
Compressed Air Foam System, Mobile (CAFSM)											868	31	28000
CAFSM - ILS Support											276		
Survey Equipment					87	22	3955						
<b>TOTAL</b>					<b>1037</b>			<b>698</b>			<b>1853</b>		
INITIAL SPARES					25								
CAFSM RESERVES											280	10	28000

**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 1998

Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6) / 075  
 Weapon System Type: P-1 Line Item Nomenclature: ITEMS LESS THAN \$2 MILLION (P66950)

WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Water Supply Spt System (WSSS) FY1997	ATCOM, St Louis, MO	MIPR	ATCOM	Feb-97	Dec-97	Various	Various	N/A	N/A	N/A
FY1998	ATCOM, St Louis, MO	MIPR	ATCOM	Feb-98	Dec-98	Various	Various	N/A	N/A	N/A
FY1999	ATCOM, St Louis, MO	MIPR	ATCOM	Feb-99	Dec-99	Various	Various	N/A	N/A	N/A
CAFSM FY1999	Envir-Foam Inc.	MIPR	MCSC	Jun-99	Jul-99	31	28000	Yes	No	
Survey Equipment FY1997	ESC, Hanscom AFB, MA	MIPR	HANSCOM AFB	Mar-97	Apr-97	22	3955	N/A	N/A	N/A

REMARKS:

<b>Exhibit P-20, Requirements Study</b>		Appropriation/Budget Activity/Serial No: Procurement, Marine Corps /Engineer and Other Equipment / P6695075				Date: February-98		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): ITEMS LESS THAN \$2 MILLION (TAU)		Admin Leadtime (after Oct 1): xx Months				Prod Leadtime: xx Months		
Line Descriptions		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				31				
Unit Cost				28.0				
Total Cost				868.0				
Asset Dynamics								
Beginning Asset Position					31	31	31	31
Deliveries from: FY 1997 Funding								
Deliveries from: FY 1998 Funding								
Deliveries from: FY 1999 Funding				31				
Deliveries from Subsequent Years Funds								
Other Gains								
Combat Losses								
Training Losses								
Test Losses								
Other Losses								
Disposals/Retirements/Attritions								
End of Year Asset Position				31	31	31	31	31
Inventory Objective or Current Authorized Allowance								
Inventory Objective 135	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement	Aircraft: TOAI	
Assets Rqd for Combat Loads:	96 thru FY XXXX	96 thru FY XXXX		96 thru FY XXXX		FY 1998	PAA: TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999	Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment	BAI	
Other:	FY XXXX	FY XXXX		FY XXXX			Inactive Inv	
Total:							Storage	
<b>Remarks: CAFSM</b>								

<b>Exhibit P-20, Requirements Study</b>		Appropriation/Budget Activity/Serial No: Procurement, Marine Corps /Engineer and Other Equipment / P6695075				Date: February-98		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): ITEMS LESS THAN \$2 MILLION (SURVEY EQUIP)		Admin Leadtime (after Oct 1): xx Months				Prod Leadtime: xx Months		
Line Descriptions		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary		22						
Unit Cost		4.0						
Total Cost		87.0						
Asset Dynamics								
Beginning Asset Position			22	22	22	22	22	22
Deliveries from: FY 1997 Funding		22						
Deliveries from: FY 1998 Funding								
Deliveries from: FY 1999 Funding								
Deliveries from Subsequent Years Funds								
Other Gains								
Combat Losses								
Training Losses								
Test Losses								
Other Losses								
Disposals/Retirements/Attritions								
End of Year Asset Position		22	22	22	22	22	22	22
Inventory Objective or Current Authorized Allowance								
Inventory Objective 22	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement	Aircraft: TOAI	
Assets Rqd for Combat Loads:	96 thru FY XXXX	96 thru FY XXXX	96 thru FY XXXX	96 thru FY XXXX		FY 1998	PAA: TAI	
WRM Rqmt:	FY XXXX	FY XXXX	FY XXXX	FY XXXX		FY 1999	Attrition Res	
Pipeline:	FY XXXX	FY XXXX	FY XXXX	FY XXXX		Augment	BAI	
Other:	FY XXXX	FY XXXX	FY XXXX	FY XXXX			Inactive Inv Storage	
Total:								
<b>Remarks: Survey Equipment (LSG-CA1003 Wildsoft 2000)</b>								