DEPARTMENT OF THE NAVY FISCAL YEAR (FY) 2007 BUDGET ESTIMATES SUBMISSION



JUSTIFICATION OF ESTIMATES FEBRUARY 2006

PROCUREMENT, MARINE CORPS

DEPARTMENT OF THE NAVY

FY 2007 PROCUREMENT PROGRAM

SUMMARY FEBRUARY 2006 (\$ IN MILLIONS)

APPROPRIATION	FY 2005	FY 2006	FY 2007
PROCUREMENT, MARINE CORPS	5,030.1	3,035.9	1,273.5
TOTAL DEPARTMENT OF THE NAVY	5,030.1	3,035.9	1,273.5

DEPARTMENT OF THE NAVY

FY 2007 PROCUREMENT PROGRAM

SUMMARY FEBRUARY 2006 (\$ IN MILLIONS)

APPROPRIATION: PROCUREMENT, MARINE CORPS			
ACTIVITY	FY 2005	FY 2006	FY 2007
02. WEAPONS AND COMBAT VEHICLES	1,240.9	717.6	508.0
03. GUIDED MISSILES AND EQUIPMENT	92.0	5.5	10.3
04. COMMUNICATIONS AND ELECTRONICS EQUIPMENT	1,761.2	934.4	390.9
05. SUPPORT VEHICLES	1,156.6	621.5	169.7
06. ENGINEER AND OTHER EQUIPMENT	745.7	731.5	158.8
07. SPARES AND REPAIR PARTS	33.6	25.4	35.8
TOTAL PROCUREMENT, MARINE CORPS	5,030.1	3,035.9	1,273.5

DEPARTMENT OF THE NAVY FY 2007 PROCUREMENT PROGRAM

APPROPRIATION: 1109N PROCUREMENT, MARINE CORPS DATE: FEBRUARY 2006

		lS.					
	CODE	QUANTITY	COST	QUANTITY	COST	FY QUANTITY	COST
DGET ACTIVITY 02: WEAPONS AND COMBAT VEHICLES							
RACKED COMBAT VEHICLES							
1 AAV7A1 PIP	A		155.2		20.7		12.5
2 EXPEDITIONARY FIGHTING VEHICLE LESS: ADVANCE PROCUREMENT (PY)	В		(52.5)		(19.5)	15	(239.9 (-9.2
			52.5		19.5		230.6
3 EXPEDITIONARY FIGHTING VEHICLE ADVANCE PROCUREMENT (CY) (FY 2006 FOR FY 2007) (MEMO)					9.2 (9.2)		25.6 (25.6
(FY 2007 FOR FY 2008) (MEMO)							,
4 LAV PIP	A		579.8		138.5		26.0
5 HIMARS	В	1	15.9				
6 IMPROVED RECOVERY VEHICLE (IRV)	A		13.9				
7 MODIFICATION KITS (ARMOR AND FIRE SUPPORT)	A		31.3				
8 M1A1 FIREPOWER ENHANCEMENTS	А		36.0		31.7		19.1
RTILLERY AND OTHER WEAPONS							
9 EXPEDITIONARY FIRE SUPPORT SYSTEM	A				5.6		7.4
0 155MM LIGHTWEIGHT TOWED HOWITZER	В	106	226.2	75	168.9	34	94.4
1 MODIFICATION KITS (INFANTRY WEAPONS)	А		2.7				
2 MARINE ENHANCEMENT PROGRAM	А		21.6				
3 HIGH MOBILITY ARTILLERY ROCKET SYSTEM	A			18	177.4	6	57.5
4 WEAPONS AND COMBAT VEHICLES UNDER \$5 MILLION	A		51.7		99.4		9.0

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A 27.0 22.4 U

EXHIBIT P-1

WEAPONS

15 MODULAR WEAPON SYSTEM

DEPARTMENT OF THE NAVY FY 2007 PROCUREMENT PROGRAM

APPROPRIATION: 1109N PROCUREMENT, MARINE CORPS DATE: FEBRUARY 2006

				MILLIONS OF DOLLAR	RS	
LINE NO ITEM NOMENCLATURE	CODE	QUANTITY	COST	FY 2006 QUANTITY COST	QUANTITY COST	С
OTHER SUPPORT						
16 MODIFICATION KITS	А			19.1	9.0	U
17 WEAPONS ENHANCEMENT PROGRAM	A			5.1	17.1	U
18 OPERATIONS OTHER THAN WAR	A		27.5			U
TOTAL WEAPONS AND COMBAT VEHICLES			1,240.9	717.6		
BUDGET ACTIVITY 03: GUIDED MISSILES AND EQUIPME	ENT					
GUIDED MISSILES						
19 GROUND BASED AIR DEFENSE	A		9.8	1.9	3.9	ΤΤ
20 JAVELIN		432		1.9	3.9	Ū
		432	1.3			IJ
21 HIMARS ROCKETS	A		1.3	4	2.0	
22 COMPLEMENTARY LOW ALTITUDE WEAPON SYSTEM	A			. 4	3.2	U
OTHER SUPPORT						
23 MODIFICATION KITS	A		42.5	3.2	3.3	U
TOTAL GUIDED MISSILES AND EQUIPMENT			92.0	5.5	10.3	
BUDGET ACTIVITY 04: COMMUNICATIONS AND ELECTRON	NICS EQU	JIPMENT				
COMMAND AND CONTROL SYSTEMS						
24 UNIT OPERATIONS CENTER	A		188.1	4.3	7.8	U
REPAIR AND TEST EQUIPMENT						
25 REPAIR AND TEST EQUIPMENT	A			57.4	13.1	U
26 AUTO TEST SYSTEMS	A		9.3			U
27 GENERAL PURPOSE TOOLS & TEST SYSTEMS	А		28.5			U
28 CALIBRATION FACILITIES	А		2.5			U

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EXHIBIT P-1

DEPARTMENT OF THE NAVY FY 2007 PROCUREMENT PROGRAM

APPROPRIATION: 1109N PROCUREMENT, MARINE CORPS DATE: FEBRUARY 2006

			MILLIONS OF DOLLAR	S	S
LINE NO ITEM NOMENCLATURE		QUANTITY COST	FY 2006 QUANTITY COST	QUANTITY COST	E C
OTHER SUPPORT (TEL)					
29 COMBAT SUPPORT SYSTEM	А		24.6	14.3	U
30 MODIFICATION KITS	А		25.4	17.5	U
COMMAND AND CONTROL SYSTEM (NON-TEL)					
31 GLOBAL COMBAT SUPPORT SYSTEM	А	44.2			U
32 ITEMS UNDER \$5 MILLION (COMM & ELEC)	А	.8	1.9	4.1	U
33 AIR OPERATIONS C2 SYSTEMS	А	21.6	17.4	41.1	U
34 MAGTF CSSE & SE	A	2.2			U
35 MULTIPLE ROLE RADAR SYSTEM	A	10.3			U
36 JOINT TACTICAL RADIO SYSTEMS	A	23.3	7.0		U
RADAR + EQUIPMENT (NON-TEL)					
37 RADAR SYSTEMS	A		29.5	14.8	U
38 RADAR SET AN/TPS-59	A	51.0			U
39 TRANSITION SWITCH MODULE	A	1.8			U
INTELL/COMM EQUIPMENT (NON-TEL)					
40 TACTICAL REMOTE SENSOR SYSTEM	A	8.5			U
41 FIRE SUPPORT SYSTEM	A	50.7	31.7	31.8	U
42 SMALL UNIT REMOTE SCOUTING SYSTEM (SURSS)	A	16.5			U
43 INTELLIGENCE SUPPORT EQUIPMENT	В	36.6	86.0	26.0	U
44 MOD KITS (INTEL)	A	9.0			U
REPAIR AND TEST EQUIPMENT (NON-TEL)					
45 VISUAL INFORMATION SYSTEMS (VIS)	А	22.2			U

EXHIBIT P-1

DEPARTMENT OF THE NAVY FY 2007 PROCUREMENT PROGRAM

APPROPRIATION: 1109N PROCUREMENT, MARINE CORPS

AFFROFRIATION. 1109N FROCUREMENT,	MAKINE CORES	DAIE. FEBRUARI 2000

			MILLIONS OF DOLLAR	.S	S
LINE NO ITEM NOMENCLATURE	CODE		QUANTITY COST		E C
OTHER COMM/ELEC EQUIPMENT (NON-TEL)					
46 COMPLIMENTARY LOW ALTITUDE WEAPONS SYSTEM	А	6.1			U
47 NIGHT VISION EQUIPMENT	A	605.5	103.0	13.7	U
OTHER SUPPORT (NON-TEL)					
48 COMMON COMPUTER RESOURCES	А	80.1	58.0	67.2	U
49 COMMAND POST SYSTEMS	А	15.2	104.3	19.7	U
50 RADIO SYSTEMS	А	354.7	221.4	53.5	U
51 COMM SWITCHING & CONTROL SYSTEMS	А	106.3	143.4	49.2	U
52 COMM & ELEC INFRASTRUCTURE SUPPORT	A	60.9	19.1	17.1	U
53 MOD KITS MAGTF C41	А	5.3			U
TOTAL COMMUNICATIONS AND ELECTRONICS EQUIPMENT		1,761.2	934.4	390.9	
BUDGET ACTIVITY 05: SUPPORT VEHICLES					
ADMINISTRATIVE VEHICLES					
54 COMMERCIAL PASSENGER VEHICLES	А	1.0	.7	.4	U
55 COMMERCIAL CARGO VEHICLES	А	12.5	14.7	12.0	U
TACTICAL VEHICLES					
56 5/4T TRUCK HMMWV (MYP)	А	3611 440.1	2624 271.4	851 72.4	U
57 MOTOR TRANSPORT MODIFICATIONS	А	368.8			U
58 MEDIUM TACTICAL VEHICLE REPLACEMENT	А	210.8	275.0	.7	U
59 LIGHTWEIGHT PRIME MOVER	A		3.3	*	U
60 LOGISTICS VEHICLE SYSTEM REP	A	94.5	31.4	68.8	U
61 FAMILY OF TACTICAL TRAILERS	A	19.6	21.5	12.7	U

EXHIBIT P-1

DEPARTMENT OF THE NAVY FY 2007 PROCUREMENT PROGRAM

APPROPRIATION: 1109N PROCUREMENT, MARINE CORPS DATE: FEBRUARY 2006

APPROPRIATION: 1109N	PROCUREMENT, MARINE	CORPS			DATE: FEBRUARY	2006
				MILLIONS OF DOLLAR	S	-
LINE NO ITEM NOMEN		CODE		FY 2006 QUANTITY COST	QUANTITY COST	С
OTHER SUPPORT						
62 ITEMS LESS THAN	\$5 MILLION	А	9.3	3.5	2.9	
TOTAL SUPPORT VEHICI	ES		1,156.6			
BUDGET ACTIVITY 06:	ENGINEER AND OTHER E	QUIPMENT				
ENGINEER AND OTHER	EQUIPMENT					
63 ENVIRONMENTAL CC	NTROL EQUIP ASSORT	А	9.6	5.3	2.0	U
64 ASSAULT BREACHER	63 ENVIRONMENTAL CONTROL EQUIP ASSORT 64 ASSAULT BREACHER VEHICLE 65 BULK LIQUID EQUIPMENT 66 TACTICAL FUEL SYSTEMS		8.8			U
65 BULK LIQUID EQUI	PMENT	A	37.9	34.7	17.5	U
66 TACTICAL FUEL SY	STEMS	А	33.2	23.7	4.1	U
67 DEMOLITION SUPPO	RT SYSTEMS	А	16.3			U
68 POWER EQUIPMENT	ASSORTED	А	55.8	24.3	10.0	U
69 AMPHIBIOUS SUPPO	RT EQUIPMENT	А		15.3	13.2	U
70 EOD SYSTEMS		A		458.4	14.8	U
MATERIALS HANDLING	EQUIPMENT					
71 AMPHIBIOUS RAID	EQUIPMENT	A	62.2			U
72 PHYSICAL SECURIT	Y EQUIPMENT	A	7.6	4.8	5.2	U
73 GARRISON MOBILE	ENGINEER EQUIPMENT (G	MEE) A	12.0	10.3	11.2	U
74 MATERIAL HANDLIN	G EQUIP	A	107.1	20.0	17.0	U
75 FIRST DESTINATIO	N TRANSPORTATION	A	5.6	3.2	5.2	U
GENERAL PROPERTY						
76 FAMILY OF INCIDE	NT RESPONSE	A	2.3			U

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EXHIBIT P-1

77 FIELD MEDICAL EQUIPMENT A 8.0 12.2 3.2 U

DEPARTMENT OF THE NAVY FY 2007 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 1109N PROCUREMENT, MARINE CORPS DATE: FEBRUARY 2006

		MILLIONS OF DOLLARS							
LINE NO ITEM NOMENCLATURE			FY 2006 QUANTITY COST	QUANTITY COST					
78 FAMILY OF EOD EQUIPMENT	A	182.8			U				
79 TRAINING DEVICES	В	96.5	57.6	13.8	U				
80 CONTAINER FAMILY	А	7.7	3.5	3.0	U				
81 FAMILY OF CONSTRUCTION EQUIPMENT	А	48.5	31.7	20.1	U				
82 FAMILY OF INTERNALLY TRANSPORTABLE VEH (ITV)	А		3.6	2.8	U				
83 BRIDGE BOATS	А	19.2			U				
84 RAPID DEPLOYABLE KITCHEN	А	.1	5.1	5.1	U				
OTHER SUPPORT									
85 MODIFICATION KITS	A	4.0			U				
86 ITEMS LESS THAN \$5 MILLION	A	17.9	17.9	10.5	U				
87 CANCELLED ACCOUNT ADJUSTMENT (M)	A	2.6			U				
TOTAL ENGINEER AND OTHER EQUIPMENT		745.7	731.5						
BUDGET ACTIVITY 07: SPARES AND REPAIR PARTS									
SPARES AND REPAIR PARTS									
88 SPARES AND REPAIR PARTS	A	33.6	25.4	35.8	U				
TOTAL SPARES AND REPAIR PARTS		33.6	25.4	35.8					
TOTAL PROCUREMENT, MARINE CORPS				1,273.5					

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Fiscal Year 2007 Budget Estimates Budget Appendix Extract Language

PROCUREMENT, MARINE CORPS

For expenses necessary for the procurement, manufacture, and modification of missiles, armament, military equipment, spare parts, and accessories therefore; plant equipment, appliances, and machine tools, and installation thereof in public and private plants; reserve plant and Government and contractor-owned equipment layaway; vehicles for the Marine Corps, including the purchase of passenger motor vehicles for replacement only; and expansion of public and private plants, including land necessary therefore, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title, \$1,273,513,000, to remain available for obligation until September 30, 2009. (10 U.S.C. 5013; Department of Defense Appropriations Act, 2006).



EXPECT FEDERAL PROGRAMS TO PERFORM WELL. AND BETTER EVERY YEAR.



PROGRAMView Similar Programs

RATING
What This Rating Means

PROGRAM ASSESSMENT

Marine Corps Expeditionary Warfare

Expeditionary warfare is the temporary use of Marine Corps force in foreign countries. The expeditionary warfare program consists of specific investment programs for aviation assets, amphibious ships, weapons systems, equipment, vehicles, ammunition, and research and development.

NOT PERFORMING

Results Not Demonstrated

- The Department of Defense has not set long-term performance measures to guide program management and budgeting for expeditionary warfare. It does not have program measures that asses the most important aspects of expeditionary warfare and its strategic goals.
- The Department of Defense will review the Marine Corps' lift requirements, both sea and air, and other expeditionary warfare capabilities as part of its 2005 Quadrennial Defense Review.
- Marine Corps expeditionary warfare fulfills a distinct role in the national defense. While both the Army and Marine Corps constitute the Nation's land forces, each force provides unique and complementary capabilities for carrying out military missions. Maritime-based Marines provide a swift and effective means of responding to crises.

IMPROVEMENT PLAN

About Improvement Plans

We are taking the following actions to improve the performance of the program:

 Developing a limited number of meaningful, long-term performance measures for the expeditionary warfare program.

LEARN MORE

- Details and Current Status of this program assessment.
- How all Federal programs are assessed.
- Learn more about Marine Corps Expeditionary Warfare.



EXPECT FEDERAL PROGRAMS TO PERFORM WELL. AND BETTER EVERY YEAR.



PROGRAMView Similar Programs

RATING
What This Rating Means

PROGRAM ASSESSMENT

DoD Unmannned Aircraft Systems (UAS)

The purpose of this program is to develop and produce unmanned aircraft systems that can perform DoD-required missions for which manned aircraft are not as well suited.

PERFORMING

Moderately Effective

- Unmanned aircraft systems are being delivered at the required rate and are meeting or exceeding their performance targets.
- Individual programs have procedures to improve efficiencies within the program, but the effectiveness of these procedures has not been fully demonstrated.
- DoD does not have a comprehensive plan to integrate requirements across the military Services (which manage the individual programs) and thus avoid duplication of unmanned aircraft programs.

IMPROVEMENT PLAN

About Improvement Plans

We are taking the following actions to improve the performance of the program:

- Reviewing the requirements for unmanned aircraft systems in light of the ongoing global war on terror and the 2005 Quadriennial Defense Review of overall strategy.
- Working to improve the integration of unmanned aircraft systems requirements across the Services to prevent multiple systems with similar missions from being developed.

LEARN MORE

- Details and Current Status of this program assessment.
- How all Federal programs are assessed.
- Learn more about DoD Unmannned Aircraft Systems (UAS).

	Exhibit P-	10, Budget Item Jus	tification Sh	eet		Date:		February 200	6	
Appropriation / Budget Activity	//Serial No:			P-1 Item Nomeno	lature:					
Procurement, Marine Corps (1	109) / Weapons and Combat Vehicles (2)				AAV7A1 PIP					
Program Element:		Code:	Other Related	Program Elements:						
020210	0M Divisions (Marine)	A								
	Prior Years	FY200	5 FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Prog
Proc Qty										
Gross Cost	561.7	155.2	20.7	12.5	10.0	8.7	8.8	9.1	Cont	Cont
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	561.7	155.2	20.7	12.5	10.0	8.7	8.8	9.1	Cont	Cont
Initial Spares	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1
Total Proc Cost	571.8	155.2	20.7	12.5	10.0	8.7	8.8	9.1	Cont	Cont
Flyaway U/C										
Wpn Sys Proc U/C										

The Assault Amphibious Vehicle Modification Kit funding line provides for the procurement of modification kits/assemblies that have been tested, reviewed and approved by the Marine Corps. These modifications, separate from the AAV Reliability, Availability, and Maintainability/Rebuild to Standard (AAV RAM/RS) effort, provide significant improvements to reliability, maintainability, battlefield survivability, combat capability and operational safety. These modifications implement improvements based upon Fleet Marine Forces' Deficiency Reports and Beneficial Suggestions. Current modifications include, but are not limited to: Improved Towing System, PLGR installation improvements, E-PLRS installation improvement, Fuel System Reliability Upgrade, AFSSS sensor upgrade, PSC-5 SATCOM integration kit, 117AC power subsystem, Combat ID Integration, VIC-2 to VIC-3 Intercom Replacement, Torsion Bar anti-corrosion improvements and the Thermal Sight development.

The Enhanced Appliqué Armor Kit (EAAK) provides the AAVP7A1 and AAVC7A1 with protection against 14.5 mm rounds and overhead fragmentation blast. The EAAK that is currently utilized was fielded in 1991. More then 800 sets of EAAK have been washed out of the system due to corrosion since original fielding. Current projections are for a washout rate of 55 to 75 systems per year. In response to an MROC decision, PM AAVS initiated a reprocurement of 661 sets of EAAK with deliveries in 2004-2006 via a contract with Rafael Corporation. A follow on contract for procurement of an additional 243 sets was issued in FY 05 with deliveries planned for FY06 and FY07 to cover future washouts.

The AAV RAM/RS vehicle has been developed to reduce the constantly increasing operational and support costs of the AAV7A1 Family of Vehicles (FOV). The AAV RAM/RS vehicle incorporates major modifications to the existing vehicle design that specifically address the top three Operational and Support cost drivers (Engine, Transmission and Suspension system) of this platform, thereby reducing overall life-cycle costs and providing a cost effective transition from the current AAV to the future Expeditionary Fighting Vehicle (EFV).

Modification Installing Agent Installation End Item AAV7A1 Mod Kits Various Begin: Various End: Various AAV7A1 FOV FAAK **FMF** Begin: FEB 04 End: JUN 07 AAV7A1 FOV AAV RAM/RS AAV7A1 FOV MCLB Albany Begin: OCT 98 End: FEB 07

FY05 Supplemental Funding Received: \$43.5M

Exhibit P-5,	Арр	ropriation/ Bud	et Activity/Serial	No:			P-1 Line Item Nome	enclature:			Weapon System Ty	rpe:	Date:	
Cost Analysis		Procuremen	t, Marine Corps (1109)/ Weapo	ons and Combat	Vehicles (2)		AAV7	A1 PIP				February 2006	
Weapon System	ID	PYs					FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
AAV MOD KITS		6804				10065	VAR	VAR	8693	VAR	VAR	10818	VAR	var
AAV Mod ECP's		7078												
AAV RAM/RS						36176	58	623724						
Hardware and labor		148004				75416	121	623273	8971	13	690077			
*Installation						27972	84	333000						
AAV Enhanced Applique Armor Kit (EAAK) Long Lead Mtl Cost For 06-07		21186				3997 1552	93	42978	3081	75	41080	1663	40	41575
TOTAL Active Reserve		183072 116430 66642				155178 73687 81491			20745 20745			12481 12478 3		

Remarks:

*FY05 AAV RAM/RS funding will fund the labor cost of the remaining FY04 quantity of 84 vehicles (\$333K * 84 = \$28M) as well as the complete cost of 21 of the original FY05 effort (\$589K * 21 = \$12.4M). Additionally, FY05 AAV RAM/RS Congressional Plus-up of \$63.0M will fund the complete cost of 100 vehicles (\$630K *100 = \$63.0M).

EAAK Unit costs vary due to long lead material procurement in order to keep a constant production rate.

	Exhibit P-5a, Budget Procureme	ent History and Planning							Date:		
Appropriation / Budget Activity/Serial No:	Exhibit F-5a, Budget Frocurente	Weapon Sys	_		P-1 Line Item Nomenclature:				February 2006		
	Corps (1109)/ Weapons and Combat Vehicles (2)				i i Line itemi	omendiature.	AAV7A1 PIP				
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Y Unit Cost	Specs Date Avail? Revs		RFP Issu Date	
Fiscal Years		and Type			Delivery	Each	\$		Avail		
AAV MOD KITS											
FY 05	Various	VAR	Various	Var	Var	VAR	VAR	Yes	N/A	N/A	
FY 06-FY11	Various	VAR	Various	Var	Var	VAR	VAR		N/A	N/A	
AAV RAM/RS											
FY05	MCLB,Albany	WR	MCSC	Dec-04	Aug-05	84	*333000	Yes	N/A	N/A	
FY05	MCLB,Albany	WR	MCSC	Dec-04		121	623273		N/A	N/A	
FY05	MCLB,Albany	WR	MCSC	Jun-05	Sep-06	58	623724	Yes	N/A	N/A	
FY06	MCLB,Albany	WR	MCSC	Oct-05	Jan-07	13	690077	Yes	N/A	N/A	
EAAK											
FY05	Rafael, WASH D.C.	FFP	MCSC	Oct-04	Oct-05	20		Yes	N/A	N/A	
FY05	Rafael, WASH D.C.	FFP	MCSC	Jun-05	Nov-05	73	41233	Yes	N/A	N/A	
FY06	Rafael, WASH D.C.	FFP	MCSC	Oct-05		75	41080		N/A	N/A	
FY07	Rafael, WASH D.C.	FFP	MCSC	Oct-06	Oct-07	40	41575	Yes	N/A	N/A	

REMARKS:

AAV RAM/Rebuild - Labor / Material for rebuild is directed to Marine Corps Logistics Bases. Contracts for hull modifications and engines are sent to industry. *Unit cost is comprised of the costs of (21) complete vehicles and (84) assemblies/disassemblies. (average unit cost of 105 vehicles)

				INDIVIDI	JAL MC	DIFICATION							Date				Febru	ary 2006	
MODIFICATION TITLE (Cont):			AA۱	/ MOD KI	TS 2														
FINANCIAL PLAN: (\$ in Millions)																		
THOUSE PERUS. (\$ III WIIII ONE																			
	Prior \	ears \$		FY 2005 Qty \$	Qty	FY 2006	FY 2007 Qty \$	Qty	FY 2008 / \$	FY Qty	\$	FY Qty	2010 \$	Qty	[′] 2011	To Qty	Compl \$	Qty	TAL \$
RDT&E PROCUREMENT	Qty	0.723		0.63		0.769		307	00.837		00.858		00.883		00.899		Ψ	Qiy	06.413
Kit Quantity Inst Kits, Nonrecurring	VAR	14.365	٧	'AR 5.39	VAR 6	8.693	VAR 10.	VAR 318	10.030	VAR	8.744	VAR	8.815	VAR	9.056	3			75.91
Equipment, Nonrecurring																			
Other																			
Installation of Hardware FY 2004 Eqpt Kits FY 2005 Eqpt Kits																			
FY 2006 Eqpt Kits FY 2007 Eqpt kits FY 2008 Eqpt kits																			
FY 2009 Eqpt kits FY 2010 Eqpt kits																			
FY 2011 Eqpt kits (FY(TC) Eqpt (xx kits)																			
Installment Cost Total Procurement Cost		14.365		5.39	6	8.693	10.	318	10.030		8.744		8.815	5	9.056	1			75.91

						INI	DIVID	UAL MC	DIFICAT	TION						Date		Februa	ry 2006	
MODIFICATION TITL	E: AA	V MO	D KITS	S																
MODELS OF SYSTE	MS AFF	ECTED	: AAV7A	1 Fami	ily of Ve	ehicles	(Modi	ification	kits and	seconda	ary repair	ables)								
DESCRIPTION / JUS																				
The AAV7A1 M have been teste (RAM) Rebuild a one method by	ed, revi and pro	ewed ovide :	and a	pprove	ed by prove	the Ma	arine s to v	Corps ehicul	s. Modi ar relial	ification	ns are s naintain	separat ability	te from and op	AAV Re erational	liability I safety	, Availal . These	blility au modific	nd Mai	ntainai	liby
DEVELOPMENT STA APPROVED FO				OPMEN	IT MILE	STONE	ES:													
Installation Schedule:																				
matanation concadic.	Pr Yr										FY 2005	5	1	FY:	2006			Y 2007		
	Totals	1	2	3	4	1	1	2	3 4	1		2 3	3 4	1	2	3 4	4 1	2	3	4
Inputs										VARIC	US			VARIOUS			VARIO	US		
Outputs										VARIC	DUS			VARIOUS			VARIO	US		
Reserve Non-Add var	ious for	all EVa																		
Neserve Non-Add var	1005 101	allF15	FY 2	2008			F	Y 2009			FY 2	2010		FY	2011	1	То		1	Totals
	1	2			1	2		3	4 1	2		3 4	1	2	3	4 C	omplete			
Inputs	VARIO	US			VARIC	US	Î		VARIO	DUS			VARIO	US			·			
Outputs	VARIO	DUS			VARIC	US			VARIO	DUS			VARIO	US						
METHOD OF IMPLEN	MENTAT	ION:	Field			ADMIN	NISTR	RATIVE	LEADTIN	1E:	VAR	Month	s	PRODUCT	ΓΙΟΝ LE <i>l</i>	ADTIME:	VAR	Months		
Contract Dates:						FY 20	05	N/A		FY 200	06	N/A		FY 2007	N/A					
Delivery Date:						FY 20	05	N/A		FY 200	06	N/A		FY 2007	N/A					

				INDIVIDUA	AL MODI	FICATION							Date		Feb	ruary 2006	
MODIFICATION TITLE (Cont):			Enhanced Ap	plique Armor k	Kits (EA	AAK)											
	`																
FINANCIAL PLAN: (\$ in Millions	5)																
	Prior Yea					2005		2006		2007	FY 20	FY 200			TC		TAL
RDT&E	Qty	\$			Qty	\$	Qty	\$	Qty	\$	Qty	\$ Qty	\$	Qty	\$	Qty	\$
PROCUREMENT Kit Quantity Long Lead Mtl For 06-07	661	28.363			20	0.987 1.552	75	3.081	40	1.663						796	34.094 01.552
Equipment, Nonrecurring		0.243															0.243
AAV EAAK					73	3.010										73	03.010
Total EAAK Procurement	661	28.606			93	5.549	75	3.081	40	1.663						869	38.899
FY 2005 FY 2006 FY 2007					93	5.549	75	3.081	40	1.663						93 75 40	5.549 3.081 1.663
Total Procurement Cost	661	28.606	0	0	93	5.549	75	3.081	40	1.663	0	0		0		869	38.899

February 2006 INDIVIDUAL MODIFICATION Date Enhanced Applique Armor Kits (EAAK) MODIFICATION TITLE: MODELS OF SYSTEMS AFFECTED: AAV7A1 Family of Vehicles (Modification kits and secondary repairables) DESCRIPTION / JUSTIFICATION: Enhanced Applique Armor Kits (EAAK): EAAK provided protection from threats up to and including 14.5mm projectiles and blast fragmentation from up to 155mm projectiles. EAAK was originally procured in 1991and was expected to last until the fielding of the Expeditionary Fighting Vehicle (EFV). The existing stocks of EAAK have experienced severe deterioration due to salt water corrosion. Based upon an MROC decision, replacement EAAK is being procured with deliveries in 2004-2005. Additional quantities will be procured in FY06 and FY07 to cover future washouts. DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: Technical Data Package (TDP) reviewed by both the vendor and PM and now incorporates all corrosion preventive measures. Installation Schedule: Pr Yr FY 2006 FY 2005 FY 2007 Totals Inputs 204 33 62 86 76 48 86 38 44 43 Outputs 204 33 62 86 48 76 48 86 38 43 FY 2008 FY 2009 FY 2010 FY 2011 Totals To Complete Inputs 15 10 869 15 15 869 Outputs METHOD OF IMPLEMENTATION: PRODUCTION LEADTIME: Depot/Contractor ADMINISTRATIVE LEADTIME: Months 12 Months FY 2004 FY 2005 Contract Dates: N/A N/A FY 2006 N/A FY 2007 N/A Delivery Date: FY 2004 N/A FY 2005 N/A FY 2006 N/A FY 2007 N/A **Change in installation schedule from President's Budget FY 2006 is due to the additional buy of 73 sets and the definitization of contract with Rafael. Additionally, output reduction in FY08 is the result of FY07 decrement.

FY 07 BUDGET EXHIBIT	P-21, PRODUCT	ION S	CHE	DULE																Date) :				Febru	uary 2	2006				
Appropriation Code/CC/BA/BSA Procurement, Marine Corps (11)							Wea	apon (Syste	em				P-1	Item	Nom	encla	ature:	:			\AV	7 Δ 1			au. y 2					
. rocaroment, marino corpo (* r							PI	ROD	UCT	ION	RA	ГЕ			PF	ROC	URE	MEN	NT L	EAD			,,,,	• ••							
ITEM	Manufacturer's N	AME / LO	CATION				М	SR	EC	ON	M	ΑX		T P Oc	rior + 1		T A			Initia fg Pl			eord fg P			TO	ΤΔΙ			t of asur	re
AAV RAM REBUILD	MCLB ALBANY	, GA					,	5	1	7	2	5	10	00			0	_		12			15			-	2		E	2001	Ľ
																													F	_	
	<u> </u>									Fi	scal	Year	05	Cal	enda	. V.	OF						Fi	scal		06 dar \	/		_		E A
		I			I		1								enda	rrea							I		aien		ear	96		\vdash	A
ITEM		F Y	S V C	Q T Y	D E L	B A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N N	T D	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N N	T D	A U G	S E P	E
AAV DAM DEDINI D		05																													
AAV RAM REBUILD AAV RAM REBUILD		05 06	MC MC	263 13		263 13			Α						Α		1	10	19 A	15	13	15	15	15	18	19	19	15	19	19	5 1
									1	FI	scal	Year	07	Cal	enda	r Yea	ar 07						FI	scal C		dar \	ear (08		\dashv	A L
		F Y	S V C	Q T Y	D E L	B A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	JUN	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	JUN	J	A U G	S E P	A N C
ITEM AAV RAM REBUILD		05	MC	263	212	51	18	15	13	5																			H	Н	
AAV RAM REBUILD		06		13		13				6	7																				
REMARKS: "Prior Year" is FY0		L		L.,	E1/00	1 = 1 / 2 :																						Ш	Ш	Ш	L

Exhibit P-4	0. Budaet It	tem Justific	ation Sheet			Date:		February 2006		
Appropriation / Budget Activity/Serial No:	-,			P-1 Item Nomenclati	ıre:					
Procurement, Marine Corps (1109) / Weapons and Tracked Combat Vehic	les (BA-2)					Expedit	ionary Fighting Vehi	cle (EFV)		
Program Elements for Code B Items: 0603611M (RDT&E,N)/0206211M (P	MC)	Code:	Other Related Prog	ram Elements:						
		В								
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty	1	0	0	15	17	26	42	100	812	1,013
Gross Cost (\$M)	113.685	52.457	19.510	239.859	254.901	387.689	535.624	1,069.279	7,091.063	9,764.067
Less PY Adv Proc (\$M)				(9.237)	(25.582)	(39.125)	(63.202)	(154.393)	(990.123)	(1,281.662)
Plus CY Adv Proc (\$M)	*		9.237	25.582	39.125	63.202	154.393	159.063	831.060	1,281.662
Net Proc (P-1) (\$M)	113.685	52.457	28.747	256.204	268.444	411.766	626.815	1,073.949	6,932.000	9,764.067
Initial Spares (\$M)	0.501	-	-	9.708	8.456	12.404	17.359	43.150	378.717	470.295
Total Proc Cost (\$M)	114.186	52.457	28.747	265.912	276.900	424.170	644.174	1,117.099	7,310.717	10,234.362
Wpn Sys Proc U/C (\$M)	114.186	N/A	N/A	17.727	16.288	16.314	15.337	11.171	9.003	10.103

MISSION AND DESCRIPTION: The Expeditionary Fighting Vehicle (EFV) will field a successor to the Marine Corps' current amphibious vehicle, the Assault Amphibious Vehicle Model 7A1 (AAV7A1), which was originally fielded in the early 1970s. The EFV will provide the principal means of tactical surface mobility for the Marine Air Ground Task Force (MAGTF) during both ship-to-objective maneuvers and sustained combat operations ashore as part of the Navy and Marine Corps concepts within the Expeditionary Maneuver Warfare capstone. The EFV will provide the Marine Corps with the capability to execute the full spectrum of military missions from humanitarian operations to conventional combat operations.

The EFV is a self-deploying, high water-speed, amphibious, armored, tracked vehicle capable of operating in all weather as well as Nuclear, Biological, and Chemical (NBC) environments. The EFV provides essential command, control, communications and intelligence (C4I) functions for embarked personnel and EFV units. The EFV C4I systems are compatible with other Marine Corps assets as well as with Army, Air Force, Navy and NATO C4I assets. Along with the Landing Craft Air Cushion (LCAC) and the MV-22 Osprey, the EFV will provide the Marine Corps Warfighters with the tactical mobility assets required to spearhead the concepts within the Expeditionary Maneuver Warfare capstone.

The EFV is the Marine Corps' number one priority ground system acquisition program as well as the only ACAT-1D program managed by the Marine Corps. Acquisition of the EFV is critical to the Marine Corps.

* The EFV Program received a FY 04 Foreign Military Sales (FMS) credit of \$14.6M from the sale of AAV's. The credit was applied to the procurement of long lead materials in FY06 as required for the FY07 LRIP Lot 1 vehicles, offsetting the total Advance Procurement requirement for FY07 vehicles.

Exhibit P-40, Budget Item Justification	Sheet Pate: February 2006
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Weapons and Tracked Combat Vehicles (BA-2)	P-1 Item Nomenclature: Expeditionary Fighting Vehicle (EFV)
BASIS FOR FY 2007 BUDGET REQUEST:	
FY 2007 funds are requested for the procurement of LRIP Lot 1 Production procurement of long lead materials required for FY08 LRIP Lot 2 Production	on Vehicles and associated equipment and support, and Advance Procurement funding for on Vehicles.
EFV Milestone Events:	
Development Test (DTI) Development Test (DTII) Milestone C LRIP DAB Initial Operational Test & Evaluation (IOT) FRP Decision	Jan 2000 - Feb 2001 Sep 2003 - Jul 2010 Sep 2006 May 2009 - Jan 2010 Aug 2010

Exhibit P-5, Weapon		Appropriation/ Bu	dget Activity	/Serial No:		P-1 Line Ite	m Nomenclature:			Weapon System	Туре:	Date:	
WPN SYST Cost Analysis		Procurement,		ps (1109) / Weapo Vehicles (BA-2)	ons and Tracked	E	Expeditionary Figh	nting Vehicle (EFV)			Feb	ruary 2006
Weapon System	ID					FY 05			FY 06			FY 07	
Cost Elements	CD		Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$M	Each	\$M	\$M	Each	\$M	\$M	Each	\$M	\$M	Each	\$M
Total Vehicles												15	
Surface Vehicle	В										197.856	15	13.190
System Engineering/Program Mgmt. (GDLS)	В										9.165		
Training	В										0.845		
Data	В										0.115		
Support Equipment	В										2.017		
Engineering Change Orders	В										5.698		
FUSL Mod and Spares	В				6.383								
Logistics Support	В				3.960						18.028		
Industrial Equipment/Tooling (Non-recurring)	В				41.051			18.276	57.318				
Training Simulators	В										4.723		
First Article Test/Performance Qual Test	В										0.404		
Follow-On Test and Evaluation	В												
Support Contractor	В				1.063			1.234			1.008		
Gross Cost Less Advanced Procurement					52.457			19.510	57.318		239.859 (9.237)	15	15.991
Plus Advanced Procurement								9.237	10.383		25.582		
Net Procurement					52.457			28.747	67.701		256.204		
Initial Spares											9.708		
Total Procurement Cost					52.457			28.747	67.701		265.912	15	17.727

^{*} The EFV Program received a FY04 Foreign Military Sales (FMS) credit of \$14.6M from the sale of AAV's. The credit was applied to the procurement of long lead materials in FY06 as required for the FY07 LRIP Lot 1 vehicles, offsetting the total Advance Procurement requirement for FY07 vehicles. The funding will be used to purchase long lead items such as Waterjets, Aluminum for Hull and Turret, and Titanium Forgings for HSU.

Exhibit P-5a. E	Budget Procurement History	v and Pla	nnina					Date:	February 2	2006
Appropriation / Budget Activity/Serial No:		Weapon Syste			P-1 Line Item I	Nomenclature:			r cordary 2	.000
Procurement, Marine Corps (1109) / Weapons and Tracked Co	mbat Vehicles (BA-2)					Expedi	tionary Fighting Veh	icle (EFV)		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$M		Avail	
Industrial Equipment/Tooling (Non-recurring)										
Special Tooling/Special Test Equipment (ST/STE) FY05/FY06	General Dynamics-	SS/CPAF	MARCORSYSCOM	Feb 05-	VARIOUS	VARIOUS	*35,429	N/A		Nov-04
	Woodbridge, VA			Mar-06						
Industrial Plant Equip/Other Plant Equip (IPE/OPE) FY05	General Motors Corporation, Allison Transmission Div	SS/CR	TACOM	Jan-05	VARIOUS	VARIOUS	*7.515	N/A		Nov-04
	Indianapolis, IN									
Industrial Plant Equip/Other Plant Equip (IPE/OPE) FY05	EURO Machinery Specialists	С	DSCR	Jul-05			*16.383	N/A		Nov-04
	Menomonee Falls, Wi									
<u>EFV LRIP</u>	Consul Division Manageria									
FY07	General Dynamics- Woodbridge VA	SS/FPI	MARCORSYSCOM	Nov-06	May-08	15	13.190	Yes		Nov-05

REMARKS:

Sole Source Procurement is required based on General Dynamic's unique capabilities and experience and to eliminate substantial duplication of costs.

^{*}Reflects actual/projected contract value vice unit cost.

Exhibit P-21, Pr	oduction S	Sched	ule																Date	Fel	oruary	2006	5							
Appropriation (7	Treasury)	Code/	CC/B	A/BS	SA/Ite	m Co	ntrol]	No					Wea	pon S	ysten	n	EFV		P-1	Line	Item	Nom	encla	ture						
										PRC	DUC	TION	N RAT	TE/Y	EAR			PRO	CURI	EMEN	IT LE	EADT	IMES	S						
Item				ufactu e and	ırer's Loca	tion				M	SR	EC	CON	M	AX	ALT to O	Prion	ſ	ALT Oct	Aftei l		Initia Mfg		Reor Mfg			Total		Unit Meas	
EFV				(GDLS	, War	ren, N	ΛI		1	15	1	20	2	16		4			1		1	.8	1	8		19		Mo	onths
						Fisca	al Ye	ar 20	04									Fisc	 al Yea	ar 200)5								<u> </u>	
									Cale	ndar	Year	2004	ļ								Cale	ndar	Year	2005	;					
	F Y	S V	Q T	D E	B A	O C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	O C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	B A
ITEM		C	Y	L	L	T	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
EFV	03	MC	1																								1			0
EFV	04	MC	0																											0
EFV	05	MC	0																											0
EFV	06	MC	0																											
						Fisca	l al Yea	ar 20	06									Fisc	 al Yea	 ar 200	<u> </u>)7									<u> </u>
									Cale	endar	Year	2006	5								Cale	ndar	Year	2007	,					
	F Y	S V	Q T	D E	B A	O C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	O C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	B A
ITEM		C	Y	L	L	T	V	C	N	В	R	R	Y	N	L	G	P	T	V	C	N	В	R	R	Y	N	L	G	P	L
EFV	07	MC	15	0	15														A											15
REMARKS: The qu	uantity of 15	is a Lo	w Rate	e Initial	l Produ	ction b	uy. Th	e min	imum d	quantity	y in Fu	ll Rate	Produc	tion is	60 per	year.														-

Exhibit P-21, Prod	luction	Sched	ule																Date	Feb	ruary	2006								
Appropriation (Tre	easury)	Code	CC/B	A/BS	A/Ite	m Co	ntrol]	No					Wea	pon S	ysten	1	EFV		P-1	Line	Item	Nom	encla	ture						
											PROI	DUCT	ION	RATI	Е			PRO	CURE	EMEN	IT LE	EADT	IMES	S						
Item				ufactu e and	ırer's Loca	tion				M	SR	EC	ON	M	AX	ALT to O	Prion		ALT Oct 1		:	Initia Mfg		Reor Mfg			Total	l	Unit Meas	
EFV				(BDLS	, War	ren, N	/II		1	5	1	20	2	16		4			1		1	8	1	18		19		Mo	onths
						Fisca	al Yea	ar 200	08									Fisc	al Yea	r 200)9									
									Cale	ndar	Year	2008									Cale	ndar	Year	2009)					
	F Y	S V	Q T	D E	B A	O C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	O C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	B A
ITEM		C	Y	L	L	T	V	C	N	В	R	R	Y	N	L	G	P	T	V	C	N	В	R	R	Y	N	L	G	P	L
EFV	07	MC	15	0	15								1	1	1	1	1	1	1	2	1	2	1	2						0
						Figor	l al Yea	m 20°	10									Figo	 al Yea	. 201	11							<u> </u>		<u> </u>
						1 150	ai i ca	a1 20.		ndar	Vear	2010	1					I ISC	ai i ea			ndar	Vear	2011						
	F	S	Q	D	В	0	N	D	J	F	M	Α	M	J	J	A	S	0	N	D	J	F	M	Α	M	J	J	A	S	В
ITEM	Y	V C	T Y	E L	A L	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	A L
		-																										 		<u> </u>
																												 		
REMARKS: The quar	ntity of 15	is a Lo	ow Rate	e Initial	Produ	ction b	uy. Th	e min	imum c	quantity	in Fu	ll Rate	Produc	tion is	60 per	year.						I			1				1	

						Date:				
								February 2006		
Appropriation / Budget Activity/Serial No:				P-1 Item Nomencla	ature:					
Procurement, Marine Corps (1109) / Weapons	and Tracked Combat Vehic	cles (BA-2)			E	xpeditionary Fighti	ng Vehicle (EFV) A	dvance Procureme	ent	
Program Elements for Code B Items: 0603611M (RDT&	E,N)/0206211M (PMC)	Code:	Other Related Pro	gram Elements:						
		В				N	/A			
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty										
Gross Cost (\$M)										
Less PY Adv Proc (\$M)				(9.237)	(25.582)	(39.125)	(63.202)	(154.393)	(990.123)	(1,281.662)
Plus CY Adv Proc (\$M)	*		9.237	25.582	39.125	63.202	154.393	159.063	831.060	1,281.662
Net Proc (P-1) (\$M)	*		9.237	16.345	13.543	24.077	91.191	4.670	(159.063)	-
Initial Spares (\$M)										
Total Proc Cost (\$M)	*		9.237	16.345	13.543	24.077	91.191	4.670	(159.063)	=
Wpn Sys Proc U/C (\$M)										

MISSION AND DESCRIPTION: The Expeditionary Fighting Vehicle (EFV) will field a successor to the Marine Corps' current amphibious vehicle, the Assault Amphibious Vehicle Model 7A1 (AAV7A1), which was originally fielded in the early 1970s. The EFV will provide the principal means of tactical surface mobility for the Marine Air Ground Task Force (MAGTF) during both ship-to-objective maneuvers and sustained combat operations ashore as part of the Navy and Marine Corps concepts within the Expeditionary Maneuver Warfare capstone. The EFV will provide the Marine Corps with the capability to execute the full spectrum of military missions from humanitarian operations to conventional combat operations.

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* The EFV Program received a FY04 Foreign Military Sales (FMS) credit of \$14.6M from the sale of AAV's. The credit was applied to the procurement of long lead materials in FY06 as required for the FY07 LRIP Lot 1 vehicles, offsetting the total Advance Procurement requirement for FY07 vehicles.

Fubilité D. 40. Dudant Nom Juntification Cha	Date: December 2006
Exhibit P-40, Budget Item Justification She Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:
Procurement, Marine Corps (1109) / Weapons and Tracked Combat Vehicles (BA-2)	Expeditionary Fighting Vehicle (EFV) Advance Procurement
BASIS FOR FY 2007 BUDGET REQUEST:	
FY 2007 advance procurement funds are requested for procuremen	t of FY 2008 long lead requirements as stated on the P10 Exhibit.
EFV Milestone Events:	
Development Test (DTI)	Jan 2000 - Feb 2001
Development Test (DTII)	Sep 2003 - Jan 2010
Milestone C LRIP DAB Initial Operational Test & Evaluation (IOT&E)	Sep 2006 May 2009 - Jan 2010
FRP Decision	Aug 2010

Advance Procurement Requirements	Analysis-l	Fundina		First System	Award Date:		First System C	ompletion Date:	1	Date: February 2006						
Appropriation / Budget Activity/Serial No:			(/ Weapon Syste									
Procurement, Marine Corps (1109) / Weapons	and Tracked Co	mbat Vehicles	(BA-2)		Expeditionary Fighting Vehicle (EFV) Advance Procurement											
	PLT (mos)	When Rqd (mos)	Pr Yrs	2005	2006	2007	2008	2009	2010	2011	To Comp	Total				
End Item Quantity:	30		1	0	0	15										
Transmission/Power Transfer Module Waterjets	30 30	22 19			4.890 0.000	8.139 2.706										
Aluminum for Hull and Turret	30	5			0.000	2.414										
Aluminum Plate Preparation	30	5		1	0.000	2.758					1 1					
Titanium Forgings for HSU	30	19	•	1	0.000	2.017					1 1					
NBC/Vent Blower-Compressor System	30	17	•	1	1.446	1.605					1 1					
Hydropneumatic Susp Unit (HSU)	30	19	•	1	1.293	1.435					1 1					
Waterjet Inlet Housings	30	19	•	1	0.000	1.264				1	1 1	1				
Hydraulic Manifolds	30	17	•	1	0.000	1.091					1 1					
Mass Memory Unit Components	30	17	•	1	0.615	0.682				1	1 1	1				
Compact Modular Sight	30	17	•	1	0.528	0.586				1	1 1	1				
Main Gun Elevation/Azimuth Drives	30	17	•	1	0.000	0.369				1	1 1	1				
Coupling Manifolds	30	17	•	1	0.192	0.213				1	1 1	1				
Misc Parts/Hardware	30	17	•	1	0.108	0.120				1	1 1	1				
Inertial Navigation Unit	30	20	•	1	0.059	0.065					1 1					
Hydraulic Remote Intensifiers	30	17	•	1	0.055	0.061				1	1 1	1				
Automatic Fire Extinguisher System	30	17	•	1	0.041	0.046				1	1 1	1				
Bilge Pumps	30	17			0.010	0.011										
Total Advance Procurement					9.237	25.582										

Description:

Funding is for long-lead requirements for the EFV production program. Advance procurement is calculated on a termination liability basis through first quarter of the following fiscal year, reflecting the contractor's funding requirements for the procurement of long-lead material necessary to achieve the delivery schedule. The EFV is the Marine Corps' number one priority ground system acquisition program as well as the only ACAT-1D program managed by the Marine Corps. Acquisition of the EFV is critical to the Marine Corps.

* The EFV Program received a FY04 Foreign Military Sales (FMS) credit of \$14.6M from the sale of AAV's. The credit was applied to the procurement of long lead materials in FY06 as required for the FY07 LRIP Lot 1 vehicles, offsetting the total Advance Procurement requirement for FY07 vehicles. The funding will be used to purchase long lead items such as Waterjets, Aluminum for Hull and Turret, and Titanium Forgings for HSU.

Advance Procurement Requirem	ents Analysis-Pro	esent Valu	ue Analysis	(P-10C)				Date:	February 2006	i
Appropriation / Budget Activity/Serial No:	-		P-1 Line Item Nom	nenclature / Wear	on System:			-		
Procurement, Marine Corps (1109) / Weapons a	and Tracked Combat Vehicles	(BA-2)			Expeditiona	ary Fighting Vehicl	e (EFV) Advance	d Procurement		
					(\$ in	Millions)				
									То	
	Pr Yrs	2005	2006	2007	2008	2009	2010	2011	Comp	Total
Proposal w/o AP										
Then Year Cost				78.285	73.815					
Constant Year Cost (CY01\$)				71.324	65.953					
Present Value				67.491	60.708					
AP Proposal										
Then Year Cost			9.237	76.079	84.179					
Constant Year Cost (CY01\$)			8.572	69.314	75.213					
Present Value			8.339	65.589	69.231					
Difference (AP Savings)										
Then Year Cost			(9.237)	2.206	(10.364)					
Constant Year Cost (CY01\$)			(8.572)	2.010	(9.260)					
Present Value			(8.339)	1.902	(8.523)					
Remarks:										

	Exhibit	P-40, Budget	ltem Justific	cation Shee	Date: February 2006											
Appropriation / Budget Activity/	/Serial No:				P-1 Item Nomenclature:											
Procurement, Marine Corps (1	109) / Weapons and Combat Vehicles			LIGHT	ARMORED VEHICL	E (LAV)										
Program Element:			Code:	Other Related Pro	Other Related Program Elements:											
020621	1M Divisions (Marine)	Α														
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog						
Proc Qty																
Gross Cost	139.0		579.8	138.5	26.0	29.2	36.7	6.1	5.7	Cont	Cont					
Less PY Adv Proc																
Plus CY Adv Proc																
Net Proc (P-1)	139.0		579.8	138.5	26.0	29.2	36.7	6.1	5.7	Cont	Cont					
Initial Spares	3.5		2.9	2.1	0.0	1.0	1.1	0.4	0.0	Cont	Cont					
Total Proc Cost	142.6		582.7	140.7	26.0	30.2	37.8	6.6	5.7	Cont	Cont					
Flyaway U/C											•					
Wpn Sys Proc U/C																

FY2004 - FY2011 LAV RELIABILITY, AVAILABILITY, AND MAINTAINABILITY (LAV RAM) IMPROVEMENTS

Projects funded under the LAV RAM Program include numerous low-dollar, yet extremely important minor vehicle and weapon modifications, focusing on safety and obsolescence issues, support equipment and tools, and other such projects that increase LAV reliability and readiness while simultaneously reducing operations and support costs. This funding is critical to offsetting support issues generated as a result of the advancing age of our family of Light Armored Vehicles, respective of the extended service life through 2025, while maintaining acceptable levels of fleet readiness. The Marine Corps, PM-LAV, Sustainment/Readiness Team uses multi disciplined integrated project teams consisting of engineering, logistical, contracting and financial personnel to manage RAM projects. The majority of contracts issued under the RAM line are subject to the competitive acquisition process.

FY2002 - FY2005 LAV SLEP

FY02 began the Service Life Extension Program (SLEP) to the Family of LAV vehicles. The LAV SLEP is designed to extend the LAV Family of Vehicles service life through 2015, an increase of 12 to 15 years beyond its originally projected useful life by improving survivability, lethality, reliability, availability, maintainability and durability and reducing operations and support costs.

FY2005- FY2008 LAV SLEP Improved Thermal Sight System (ITSS) (FY03/04 was also used to procure ITSS units in FY05)

The LAV Improved Thermal Sight System will replace the current Generation I thermal sight with a significantly more capable Generation II system with greater ranges for detection, recognition and identification. The new sight will also incorporate an integrated laser range finder, fire control computer, target motion indicator and target coordinate computation. These improvements will materially enhance the survivability and lethality of the LAV-25 platform.

The LAV SLEP Thermal Sight System invests in several technologies, both developmental and off-the-shelf, to enhance system survivability, lethality, reliability, mobility and sustainability while simultaneously reducing cost of ownership.

		Date:
Exhibit P-40, Budget Item Justification Sheet	February 2006	
Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:	
Procurement, Marine Corps (1109) / Weapons and Combat Vehicles (2)		LIGHT ARMORED VEHICLE (LAV)

FY 2007 - FY2010 LAV COMMAND & CONTROL UPGRADE (LAV C2)

The LAV C2 Program is designed to meet and maintain the command and control requirements of the Operational Requirements Document (ORD). The LAV C2 upgrade will provide a hardware and software module for the LAV C2 to support complex radio configurations. The upgrade seeks to integrate in the vehicle, those non-developmental hardware and software components that will ensure that the vehicles - and the appropriate LAR unit command element - have the capability to send and receive required voice and data communications to higher, adjacent and subordinate units. The module will provide isolation of critical communications functions in a self-contained module to support a mix of legacy radio and the Joint Tactical Radio System (JTRS). The modification will ensure that the LAV C2 will be a viable weapon system through the service life of the LAV Family of Vehicles.

FY2007 - FY2010 LAV LETHALITY

The LAV Lethality Program will upgrade the LAV 25's M242 gun and associated hardware and software necessary to enable the firing of M919 25mm Armor Piercing, Fin Stabilized, Discarding Sabot (Depleted Uranium) with tracer ammunition. The LAV Lethality upgrade will provide superior lethality resulting in increased survivability. The LAV Lethality program will invest in technologies currently on the U.S. Army's Bradley Fighting Vehicle.

FY2005 LAV FLEET UPGRADE (FSRG)

The LAV Fleet Upgrade program is the procurement of 120 new LAV's in support of the Global War on Terror and the decision by the USMC to stand up 5 new Light Armored Reconnaissance (LAR) companies.

FY2005 LAV UPGRADE

The LAV Upgrade program is in direct support of the USMC decision to stand up 5 new LAR companies. The USMC has not procured new LAV's since the late 1980's and the configuration has changed in the following areas: GEN II suspension, Power Pack (engine, transmission, 2 speed T-case), and Electric Turret Drive. Survivability upgrades have also been incorporated in an Automatic Fire Suppression System and Ballistic Protection Upgrade Package. These modifications are required to keep the FOLAV's configuration as common as possible. The following modifications are funded: GEN II suspension, Electric Turret Drive, Automatic Fire Suppression System and a portion of the Ballistic Protection Upgrade Package.

FY2006 LAV (LAV-25)

The Light Armored Vehicle (LAV-25) program is for the procurement of LAV's to replace vehicles lost in combat supporting the Global War on Terror.

FY05 Supplemental Funding Received: \$518.2M FY06 Bridge Supplemental Funding Received: \$82.0M

Exhibit P-40a, Budge	t Iten	n Justificat	tion for Aç	ed Items			Date:		February 2006						
Appropriation / Budget Activity/Serial No:					P-1 Item Nome	nclature:									
Procurement, Marine Corps (1109) / Weapons and Combat Vehicles (2)					LIGHT ARMORED VEHICLE (LAV)										
Procurement Items	Code	Code Prior Years		FY 2005	FY 2006	FY 2007					To Complete	Total Prog			
RAM PROJECTS	Α	3.6		1.9	2.0	2.2					Cont	Cont			
LAV LETHALITY	Α	0.0		0.0	0.0	0.6					Cont	Cont			
												ļ			
												<u> </u>			
		2.0		4.0	2.0	0.0									
Total	6	3.6		1.9	2.0	2.8						-			

Exhibit P-5,		Appropriation/ But	dget Activity/Serial N	P-1 Line Item No	omenclature:			Weapon System	Туре:	Date:	
Cost Analysis		Procurement, Mai Weapons and Co	rine Corps (1109) / mbat Vehicles (2)		LIGHT ARMORE	D VEHICLE (LAV))			Febru	ary 2006
Weapon System	ID	PYs	,	FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
THERMAL SIGHT MODIFICATION KITS INSTALL. OF THERMAL SIGHT MOD KITS REFURB OF TEST SIGHTS PVT/FAT ECO ILS SYS. ENGINEERING/PROGRAM MGT SPT NEW EQUIPMENT TRAINING WARRANTY SUBTOTAL	В	12481 12481	37268 1004 38272	162	230049	45780 300 500 500 948 1315 730 4500 54573	199	230049	1419 1600 2000 500 2071 1385 1300		
LAV C2 UPGRADE HARDWARE ECO TESTING SYS. ENGINEERING/PROGRAM MGT SPT ILS SUBTOTAL	В								10290 164 665 1403 416 12938	6	1715000
IFF/LAV PIP SUBTOTAL		23200 23200	21414 21414								
LAV FLEET UPGRADE HARDWARE TESTING TECH/ENG DATA SYS. ENGINEERING/PROGRAM MGT SPT ILS SPEC/GEN PURPOSE TEST EQUIP NEW EQUIP TRAINING SUBTOTAL			267845 7500 5400 3612 13677 8060 96 306190	120	2232042						
LAV UPGRADE MODIFICATION KITS TECH/ENG DATA INSTALLATION SYS. ENGINEERING/PROGRAM MGT SPT ILS TESTING SPEC PURPOSE TEST EQUIP NEW EQUIP TRAINING SUBTOTAL			166455 4700 18521 1468 9112 2150 9410 199 212015	1 BL	Various	47330 4649 2817 400 1753 56949	1BL	VAR			
TITLE IX - LAV (LAV-25) HARDWARE SUBTOTAL	В					25051 25051	10	2505100			
TOTAL Active Reserve		35681 35681	577891 421890 156001			136573 123483 13090			23213		
BL = One block or set of equipment											

		Story and			ebruary	ــــــــــــــــــــــــــــــــــــــ					
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / We	papage and Combat Vohicles (2)	weapon Syst	em rype:		P-1 Line Item		∋: IT ARMORED VE⊦	UCLE (LAVA)			
Floculement, Manine Colps (1109)/ We	sapons and Combat Venicles (2)	0	T		LIGI	IT ARMORED VEI					
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issu Date	
Fiscal Years		and Type			Delivery	Each	\$		Avail		
LAV THERMAL SIGHT MODIFICATION KITS											
FY05	RAYTHEON, MCKINNEY, TEXAS	FFP	TACOM, Warren, MI	Nov-05	Mar-07	162	230049	NO	N/A	Mar-0	
FY06	RAYTHEON, MCKINNEY, TEXAS	FFP	TACOM, Warren, MI	Nov-05	Jul-07	199	230049	NO	N/A	Mar-0	
LAV C2											
FY07	TBD	FFP	TACOM, Warren, MI	Jun-07	Apr-08	6	1715000	NO	N/A	Feb-0	
LAV FLEET UPGRADE											
FY05	GDLS, Sterling Heights, MI	FFP	TACOM, Warren, MI	Jan-06	Jul-07	120	2232042	NO	N/A	N/A	
LAV UPGRADE											
FY05	Various	FFP	TACOM, Warren, MI	Sep-05	VAR	1 BL	VAR	NO	N/A	Aug-0	
FY06	Various	FFP	TACOM, Warren, MI	Feb-06	VAR	1 BL	VAR	NO	N/A	Aug-0	
LAV (LAV-25)											
FY06	GDLS, Sterling Heights, MI	FFP	TACOM, Warren, MI	Jun-06	Jul-08	10	2505100	NO	N/A	N/A	

						EXH	IIBIT P	-3A, INDI	VIDUA	AL MOD	IFICATI	ON					Da	ite	F	ebruary	/ 2006	
MODIFICA	TION TITL	.E: LA	V C2																			
MODELS (OF SYSTE	MS AFFE	ECTED:	LAV-C	2																	
DESCRIP1	FION / JUS	TIFICAT	ION:																			
(ORD). upgrad the app adjacer mix of I	V C2 Pro The LA e seeks to propriate and su egacy ra the serv	V C2 u to integ LAR ur ibordina dio and	pgrade rate in hit com ate uni d the J	e will pointhe venice the will be the will	erovide ehicle, eleme e mod actical	a har those ent - ha lule wi Radio	dware non-cave the Il provesses	e and so develop e capal ride isol em (JTF	oftwai ment bility t ation	re mod tal hard to send of crit	lule for dware d and r ical co	the Land so receive mmur	AV C2 oftware e requal	to sup comp ired vo ns func	oport of onentice an	comple s that d data in a se	x radio will ens comm lf-conta	config sure tha unicati sined m	uratio at the ons to nodule	ns. T vehicl higher to su	he les - an er, ipport a	nd a
DEVELOP	MENT STA	ATUS / M	IAJOR I	DEVELO	DPMEN	T MILES	STONE	S:														
MS B	2Q/05																					
MS C	3Q/07																					
IOC	2Q/09																					
FOC	4Q/10																					
Installation	Schedule:	_																				
		Pr Yr			_1	_	_		_			FY 2	2005		- 1	FY 20				FY 20)07	
Inputs		Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	2
iriputs																						2
Outputs																						C
		<u> </u>		2008		. 1	FY 2	2009		. 1	FY 2			.1	FY 2			_	То		То	otals
Innuto		3	2		5	1 5	2 5	3 6	4	1	2	3	4	0	2	3	4	Comp	olete 0			38
Inputs		3	4	5	5	5	5	8	3	U	U	U	U	U	U	U	U		٥			30
Outputs		0	0	3	3	5	5	5	5	5	6	1	0	0	0	0	0		0			38
METHOD (-		ION:	CONTR	RACTO	₹	ADMIN	IISTRATI	VE LE	ADTIM	E:	1	Months	F	PRODU	ICTION	LEADTI	ИЕ:	9 M	onths		
Contract D	ates: JUNE	- 07																				

Exhibit P-40,
Bli No. 203800

Item No. 4 Page 6 of 13

Budget Item Justification Sheet

Delivery Dates: Apr 08 - Apr 10

					EXHII	BIT P-3A, IN	DIVIDU	AL MODIFI	CATION			Da	te			Febr	uary 2006	
MODIFICATION TITLE (Cont):				L <i>A</i>	V-C2													_
FINANCIAL PLAN: (\$ in Millions)																		
	PRIOR	YEARS	F'	Y 2004	l F	Y 2005	l F	Y 2006	FY 2007	FY 2008	FY 2009				-	ТС	ТО	TAL
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty \$						Qty	\$	Qty	\$
RDT&E																		
PROCUREMENT																		
Kit Quantity									6 10.290	13 20.339	19 27.968						38	58.597
Inst Kits, Nonrecurring																		
g																		
Equipment, Nonrecurring																		
Engineering Change Order									0.164	0.100	0.068							0.332
									0.10	0.100	0.000							0.002
Other									2.484	2.950	2.813		0.756					9.003
Installation of Hardware																		
FY 2003 Eqpt kits																		
FY 2004 Eqpt kits																		
FY 2005 Eqpt kits																		
FY 2006 Eqpt kits																		
FY 2007 Eqpt kits																		
FY 2008 Eqpt kits																		
FY 2009 Eqpt kits																		
(FY(TC) Eqpt (xx kits)																		
(· · (· · ·) = 4pr (· · · · · · · · · · · · · · · · · · ·														1				
Installment Cost																		
Total Procurement Cost				-					12.938	23.389	30.849		0.756					67.932
Total Floculement COSt					1				12.930	23.309	30.049		0.730					07.932

Note: FY08 Other includes additional funding for New Equipment Training, Integrated Logistics Support and Systems Engineering/Program Mgmt Support due to initial fielding of upgraded vehicles.

				EXH	IBIT P-	3A, INDIV	IDUA	L MOD	IFICATIO	N						Date		Februa	ry 2006	6
MODIFICATION TI	TIE. LAV	SLEP TH	HERMAL	SIGH	Т															
MODELS OF SYST		TED: LAV	-25																	_
DESCRIPTION / JU	JSTIFICATIO	N:																		
The LAV Improved System with good control compute that it is not seen to be a seen	reater range uter, target re LAV-25 pla P Thermal solility and su TATUS / MAJ 102 105	es for de motion ir atform. Sight inv stainabil	etection, ndicator a vests in s lity while	recogr and tar everal simult	techn	and iden pordinate sologies, isly redu	tifica e cor botl	ation. T mputat h deve	The nev tion. Th elopmer	v sight v ese imp otal and	will als prove	so inc ments	orpora will n	ate ar nateri	integally e	grated nhanc	laser ree the s	ange fi urvival	inder, pility a	fire and
FOC 3Q FY																				
Installation Schedu																				
	Pr Yr Totals	1	2 3	4	4	FY200	4 3	4	1	FY2005	3	4	4	FY2	3	1	1	FY2	700	
Inputs Outputs	Totals	- 1	2 3	4	'	2	٥	4	- 1	2	3	4	- 1	2	3	8	79	120	120	89
Outputs				<u> </u>													19	63	90	90
		FY 2008			FY 2	009			FY 20	10			FY 20)11			To			Totals
	1	2	3 4	1	2	3	4	1	2	3	4	1	2	3	4	Co	omplete			
Inputs																				410
Outputs	90	42																		416
METHOD OF IMPL	EMENTATIO	N: CONTR	RACTOR/D	EPOT /	ADMINI	STRATIV	E LE	ADTIME	:	1 Mo	nths	Р	RODU	CTION	LEAD	TIME:	15	Months		

Exhibit P-40,
Bli No. 203800

Item No. 4 Page 8 of 13

Budget Item Justification Sheet

Contract Dates: Sep 05, Nov 05 Delivery Date: Projected Dec 06

EXHIBIT P-3A, INDIVIDUAL MODIFICATION February 2006 MODIFICATION TITLE (Cont): LAV SLEP THERMAL SIGHT FINANCIAL PLAN: (\$ in Millions) PRIOR YEARS FY 2004 FY 2005 FY 2006 FY 2007 FY 2008 FY 2009 TC TOTAL Qty \$ Qty \$ Qty \$ Qty \$ Qty \$ Qty Qty \$ RDT&E PROCUREMENT Kit Quantity 55 12.481 162 37.268 199 45.780 416 95.529 Inst Kits, Nonrecurring Equipment, Nonrecurring 0.500 Engineering Change Order 0.500 Other 1.004 8.293 8.856 0.003 18.156 Installation of Hardware FY 2003 Eqpt -- kits FY 2004 Eqpt -- kits FY 2005 Eqpt -- kits FY 2006 Eqpt -- kits FY 2007 Eqpt -- kits 194 1.419 194 1.419 FY 2008 Eqpt -- kits 222 1.631 222 1.631 FY 2009 Eqpt -- kits (FY(TC) Eqpt (xx kits) Installment Cost 1.419 1.631 416 3.050

Note: In FY07, Other includes Production Verification Test/First Article Test (PVT/FAT), Contractor Logistics Support, New Equipment Training, and Warranty.

54.573

38.272

12.481

117.235

Total Procurement Cost

10.275

0.003

1.631

FY 07 BUDGET EXHIBI	FP-21, PRODUCTI	ON S	CHE	DULE																Date	:				Febru	uary 2	2006				
appropriation Code/CC/BA/BSA Procurement, Marine Corps (11		bat Vel	nicles (2)			Wea	pon S	Syste	m				P-1 I	tem I	Nome	enclat	ture:	LI	GH	T Al	RMC	DRE		/EHI						
							PI	ROD	UCT	ION	RAT	ΓE			PF	ROC	URE	MEN	NT LE	EAD	TIME	ES									
TEM	Manufacturer's N	AME / LO	CATION				M	SR	EC	ON	M	ΑX		T Pı Oct			T Af Oct 1			nitia g Pl			eord fg Pl			то	TAL		Uni Mea		e
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AV-C ² UPGRADE		07	MC	6	0	6																									
		1																													H
										Fi	scal	Year	07										Fis		Year				_		
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TEM		F Y	S V C	Q T Y	D E L	B A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N N	T N	A U G	S E P	
LAV-C ² UPGRADE		07	МС	6	0	6									Α										1	1	1	1	1	1	Г
							\vdash																						\vdash	$\vdash \vdash$	\vdash
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FY 07 BUDGET EXHIBIT P-	21, PRODUC	CTION SC	HED	ULE																Date	•			F	ebru	uary 2	2006				
Appropriation Code/CC/BA/BSA/Item Procurement, Marine Corps (1109) /		Combat Veh	icles (2	2)			Wea	pon	Syste	em				P-1	Item	Nom	encla	ture:	LI	GH ⁻	ГΑБ	RMC	DRE			CLE					
	·		•				PF	ROD	UCT	1OI	N RA	ΤЕ			PF	ROCI	JREI	MEN	NT LE												
TEM	Manufacturer's	s NAME / LOCA	ATION				M	SR	EC	ON	M.	AX		T P Oc			T Aff Oct 1			nitial g PL			eord fg P	-		TO	TAL		Uni Mea		re
AV SLEP THERMAL SIGHTS	RAYTHEON	CO, McKinn	ey, TX				(6	2	20	4	10		1	•	Ì				15						1	6	\neg	E		_
																	1						16			1	7		E fo	or FY	06
																	1						20			2	!1		E fo	or FY	07
										F	iscal	Year	05										Fi	scal `							
						_								Cal	enda	r Yea	r 05							С	alen	dar Y	ear (06			ı
		F Y	s v	Q T	D E	B A	0 C T	N O	D E	J A	F E	M A	A P	M A	J	Ŋ	A U G	S E	O C T	N O	D E	J A	F E	M A	A P	M A	J	J	A U	S E	
TEM		<u> </u>	С	Υ	L	L	Т	V	С	N	В	R	R	Υ	N	L	G	Р	Т	٧	С	N	В	R	R	Υ	N	L	G	Р	L
LAV SLEP THERMAL SIGHTS		03/04	MC	55	0	55												Α													
		05	MC	162	0	162														Α											·
		06	MC	199	0	199														Α						<u> </u>		<u> </u>	Ш		Ŀ
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		F	S V	Q T	D E	B A	O C T	N O	D	J	F	М	A P	М	J	Ŋ	A	S	0	N O	D E	J	F E	М	A	М	J	J	Α	S E	i
TEM		Y	C	Y	Ĺ	L	T	٧	E C	A N		A R	R	A Y	U N	L	U G	E P	C	٧	C	A N	В	A R	P R	A Y	U N	L	U G	Р	ı
LAV SLEP THERMAL SIGHTS		03/04	MC	55		55			8	14	30	3								-						\vdash		H	\vdash		H
		05	MC	162	0	162			Ť		1 33	32	40	40	40	10										H		\vdash	Н		H
		06	MC	199	0	199					1						40	40	40	40	9								П		Г
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FY 07 BUDGET EXHIBIT F	P-21, PRODUCTI	ON S	CHE	DULE																Date	e :				Febr	uary 2	2006				
Appropriation Code/CC/BA/BSA/Ite Procurement, Marine Corps (1109)		bat Veh	icles (2)			Wea	pon (Syste	m				P-1			encla		ИOR	ED	VEH	HICI	E F					DE (I	FSR	G)	
							Р	ROD	UCT	ION	I RA	ΤE		•	PF	ROC	URE	MEN	NT LI	EAD	TIMI	ES						•		ŕ	
TEM	Manufacturer's NA	AME / LO	CATION				М	SR	EC	ON	М	AX		T P Oc			T Af Oct 1			nitia fg Pl			eord fg P			то	TAL		_	it of asu	
AV FLEET UPGRADE	GDLS Sterling H	leights,	MI				TI	BD	TE	BD	TI	BD		6						18						2	24		Е		_
										Fi	iscal	Year	05	Cal	enda	r Vos	or 05						Fi		Year	06 dar Y	oar (06			1
			S	Q	D	В	0	N	D	J	F	М	Α	М	J	J	A	q	0	N	Б	J	F	М	A	М	J.	J	Α	S	1
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TEM		F Y	S V C	Q T Y	D E L	B A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U	A U G	S E P	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	T D	A U G	S E P	
LAV FLEET UPGRADE		05	MC	120	0	120										1	3	6	11	5	13	14	14	17	13	16	7				
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FY U/ BUDGET EX	HIBIT P-21, PRODUCTI	ON S	CHEL	JULE																Date	<i>;</i> .				Febr	uary 2	2006				
Appropriation Code/CC/BAProcurement, Marine Corp	A/BSA/Item Control No. os (1109) / Weapons and Com	bat Veh	nicles (2)			Wea	ipon S	Syste	m				P-1	Item I	Nom	encla LIC			MOF	RED	VE	HIC					V-2	.5)		_
							PI	ROD	UCT	ION	RA	ГΕ			PF	ROC	URE										,				
TEM	Manufacturer's NA	AME / LO	CATION				М	SR	EC	ON	M	AX		T P Oc	rior t 1		T Af			Initia fg Pl			eord fg Pl			TO	TAL		Uni Mea		
LAV-25	GDLS, Sterling	Heights,	, MI				TI	BD	TB	3D	TE	3D					1						25			2	6		E		
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TEM		F Y	S V C	Q T Y	D E L	B A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N O K	J U L	A U G	S E P	
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TEM							<u>'</u>	V	C	N	В	R	К	Y	IN	L	G	Р	'	V	C	N	В	К	к	Y	N		G	Р	_
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	Exhibit P-	-40, Budget It	em Justific	ation Sheet			Date:		February 2006	6	
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomencla	ture:					
Procurement, Marine Corps (11	09) / Weapons and Combat Vehicles (2)						High Mobility	Artillery Rocket Sys	tem (HIMARS)		
Program Elements for Code B I	Items:		Code:	Other Related Prog	ram Elements:						
	0502511M Divisions (MCR)		В								
	Prior Years*		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty	5		1	0	0	0	0	0	0	0	6
Gross Cost	25.1		15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.9
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	25.1		15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.9
Initial Spares	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Proc Cost	25.1		15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.9
Flyaway U/C											
Wpn Sys Proc U/C											

Marine Corps High Mobility Rocket System (HIMARS) is a C-130 transportable, wheeled, indirect fire, rocket/missile system capable of firing all rockets and missiles in the current and future Multiple Launch Rocket System Family of Munitions (MFOM). The system includes a launcher, two Re-Supply Systems (RSS) and the MFOM. A RSS consists of a Re-Supply Vehicle (Medium Tactical Vehicle Replacement (MTVR) based truck with Material Handling Equipment) and Re-Supply Trailer. The MFOM is a family of rockets and missiles capable of attacking a variety of tactical and operational targets, providing the requisite range and lethality to support maneuver commanders. HIMARS will provide the Fleet Marine Force with 24-hour ground-based, responsive General Support/General Support Reinforcing (GS/GSR) indirect fires which accurately engage targets at long range (60+Km) with high volumes of lethal fire under all weather conditions throughout all phases of combat operations ashore including irregular and distributed operations. HIMARS is a significant improvement over currently fielded ground fire support systems. During a 24-hour period the system will be expected to conduct multiple moves and complete multiple fire missions.

HIMARS will satisfy the Marine Corps requirement for an indirect fire system that is responsive, maneuverable, and capable of engaging targets at long ranges while maximizing lethality and minimizing collateral damage.

*Note: 2 of the 5 prior year systems are Maturation Launchers procured with RDT&E and upgraded to Production units in FY05.

BLI 205000 HIMARS was consolidated into a new BLI 221200 HIGH MOBILITY ARTILLERY ROCKET SYSTEM beginning in year FY06.

Army HIMARS MS C March 2003. Army HIMARS FRP decision 3rd Qtr FY05. USMC HIMARS MS C October 2003. USMC HIMARS FRP decision 1st Qtr FY06.

Exhibit P-5,		Appropria	tion/ Budget Activity/S	erial No:	P-1 Line Item Nomen	clature:		Weapon System Typ	e:	Date:	
Cost Analysis		Procurement, Marin	ne Corps (1109) / Wea Vehicles (2)	pons and Combat		HIMARS				Februa	ary 2006
Weapon System	ID	PYs		FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
System Hardware											
HIMARS Launchers	В	12263	4440	1	4440400						
HIMARS Resupply System (RSS)	ľ	3162	1113	2	556300						
FSR Contact Vehicle		68	1113	2	330300						
Ancillery Equipment		00									
Andillery Equipment											
LRIP Launcher Production Upgrades			2590								
P3I Upgrades											
. o. opg.ados											
Munitions											
M28A2 Reduced Range Practice Rocket		959	254	9	28200						
M30 Guided Multiple Launch Rocket System		7450	5083	7	726200						
Receipt, Storage, Segregation, Inspection			25								
M68A2 Training Pods		72	24	1	24000						
Logistics											
Contractor Logisitics Support		439	958								
NETT		15	335								
Test & Training Devices		75	70								
Procurement Support											
Multiple Launch Rocket System (MLRS) PMO		311	314								
USMC HIMARS PMO		100	338								
Contractor Consulting Services		140	320								
L											
TOTAL		25054	15864								
Active		05054	4500								
Reserve		25054	15864								

								Date:		
E	Exhibit P-5a, Budget Procurement	History a	nd Planning					F	ebruary	2006
Appropriation / Budget Activity/Serial No:		Weapon Syste	em Type:		P-1 Line Item	Nomenclature	:			
Procurement, Marine Corps (1109)	/ Weapons and Combat Vehicles (2)					High Mobi	lity Artillery Rocket	System (H	IMARS)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date		QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issue Date
Fiscal Years		and Type	- p		Delivery	Each	\$		Avail	
HIMARS Launchers										
FY05	Lockheed-Martin, Dallas TX	SS-FFP	Huntsville, AL	Nov-04	Mar-06	1	4440400	Yes		
HIMARS Re-Supply System (RSS)										
FY05	Oshkosh Truck, Oshkosh, WI	SS-FFP	Quantico, VA	Nov-04	Aug-05	2	556300	Yes		

REMARKS:

Unit price for HIMARS launchers is determined by Army contract pricing and includes a contracting surcharge for the full rate production contracting cost to the USMC.

Unit price for HIMARS RSS is determined by the USMC Low Rate Initial Production (LRIP) contract with Full Rate Production Quantity Options awarded April 2004.

	Exhibit P-40, Bu	dget Item Justification	Sheet		Date:		Februa	ry 2006		
Appropriation / Budget Activity	/Serial No:		P-1 Item Nomencla	ture:						
Procurement, Marine Corps (1	109) / Weapons and Combat Vehicles (2)				IMPROV	ED RECOV	ERY VEHIC	LE (IRV)		
Program Element:		Code:	Other Related Prog	gram Elements:						
0206211M Divisio	ns (Marine)	A								
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty	55	6								
Gross Cost	129.5	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	143.4
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	129.5	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	143.4
Initial Spares	14.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7
Total Proc Cost	144.2	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	158.1
Flyaway U/C										
Wpn Sys Proc U/C										

IMPROVED RECOVERY VEHICLE (IRV): The M88A2 Hercules recovery vehicle is a joint Marine Corps and Army Product Improvement Program which reuses the fielded M88A1 hull and installs a new upgraded engine, transmission, hydraulics, and suspension to increase winch, boom, lift, towing, and armor protection capabilities. The M88A2 Hercules can recover vehicles weighing up to 70 tons.

The Hercules Recovery Vehicle Line funded to provide for the procurement of (6) M88A2 Recovery Vehicles and support services.

FY05 Supplemental Funding Received: \$13.9M

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu			and Combat Vehicle	es (2)				em Nomenclature:	ERY VEHICLE (IF	RV)	Weapon System	Type:	Date:	
*	ID			,,.		FY 05			FY06			FY07		1	Februa	ary 2006
Weapon Svstem Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$	\$000	Each	\$	\$000	Each		\$000	Each		\$000	Each	\$
Improved Recovery Vehicle M88A2 - Supplemental	А				10891	6	1815167									
BII/COEI (Basic Issue Items/ Components of End Items)					365	6	60833									
Program Management					7											
Depot Disassembly/Refurb					330	3	110000									
GFE					85	6	14167									
Systems Technical Support(STS)					2172											
TOTAL Active Reserve					13850											

								Date:		
	Exhibit P-5a, Budget Procurement							1	February 2	2006
Appropriation / Budget Activity/Serial No:		Weapon Syst	em Type:		P-1 Line Item	Nomenclatur	e:	P.		
Procurement, Marine Corps (1109) / We	eapons and Tracked Combat Vehicles (2)					MODIFICATIO	ON KITS (ARMOR A	ND FIRE S	UPPORT)
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs	Date	RFP Issue
	Contractor and Essanon	Method	2004.011 011 00	/ mara Bato				Avail?	Revsn	Date
Fiscal Years		and Type			Delivery	Each	\$	<u> </u>	Avail	
IMPROVED RECOVERY VEHICLE	UNITED DEFENSE - YORK, PA	FFP	TACOM - Warren, MI	Jun-05	Aug-06	6	1815167	No	No	N/A
REMARKS:										

	Exhibi	t P-40, Budget I	tem Justific	ation Sheet			Date:		February 2006	6	
Appropriation / Budget Activity	y/Serial No:				P-1 Item Nomencla	ture:					
Procurement, Marine Corps (1109) / Weapons and Tracked Comb	at Vehicles (2)					MODIFICATION	KITS (ARMOR AND	FIRE SUPPORT)		
Program Element:			Code:	Other Related Pro	gram Elements:						
020621	1M Divisions (Marine)		А								
	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty											
Gross Cost	158.3		31.3	0.0	0.0	0.0	0.0	0.0	.0	Cont	Cont
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	158.3		31.3	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Initial Spares	2.3		0.0	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Total Proc Cost	160.6		31.3	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Flyaway U/C											
Wpn Sys Proc U/C											

COUNTER FIRE SENSOR SYSTEMS (GCFS): The GCFS is a Commercial Off -the-Shelf/Non-Developmental Item (COTS/NDI) that is being fielded as a response to an Urgent Universal Needs Statement (UNS) by the operating forces. The GCFS is a passive, autonomous system that will provide accurate location of indirect fire systems, explosive detonations, and heavy direct fire weapons. GCFS is a material solution augmenting currently fielded sensor systems. GCFS provides 360-degree coverage and can identify a 155mm howitzer to a minimum of 20km. It operates 24 hours/day, utilizes waveform communications from sensor post to command post and utilizes WGS84 datum and ellipsoid map references.

FIRE SUPPORT MOD LINE: Funding will provide upgrades to electronic suites and product improvements to the Meteorological Measuring System.

M1A1 MOD KITS: The M1A1 Mod Kit Line is established to sustain the technology of the M1A1 Tank and other supporting platforms including Support and Test Equipment while addressing equipment deficiencies and obsolete components. Funding will procure and field modifications, upgrade the MLC-60 Scissor Bridge to a 70-ton class bridge, and upgrade/replace Special Purpose Test Equipment associated with the M1A1 Tank.

M1A1 TANK BLADES: The M1A1 Tank Blades is funded to procure 6 Multipurpose Tank Blades and Supporting Contractor Logistic Support. This procurement is in direct response to Urgent Universal Need Statement (UUNS) CDTS 04320UG.

M1A1 TANK MODS: The M1A1 Tank Mods Line funded to procure various Mod Kits to Configure, Refurbish and Upgrade 4 to 5 M1A1 Tanks.

ARMORED VEHICLE MOD KITS: The Armored Vehicle Mod Kits Line funded to procure (103) DVE Systems due to combat losses during Combat Operations.

PORTABLE INDUCTIVE ARTILLERY FUSE SETTER (PIAFS): An electronic setter for the inductive fuse used on munitions in field artillery designed to increase efficiency of service and decrease crew error.

TANK SAFETY MODS: The Tank Safety Mod Line is established to procure and field critical safety related modification kits. Funding will provide replacements for faulty designs, design enhancements, and other safety related issues that arise during operational scenarios.

M1 / M88 MARINE CORPS TRANSPARENT ARMORED GUN SHIELD (MCTAGS): MCTAGS is a transparent armor (ballistic glass) that allows for continual observation and increased security, while providing 360-degree ballistic and Improvised Explosive Device (IED) fragmentation protection.

FY05 Supplemental Funding Received: \$10.4M

BLI 206300 Modification Kits (Armor and Fire Support) was consolidated into a new BLI 206100 Modification Kits beginning in FY06.

Evhibit D 40c D			fan Amanana			Date:		_			
Exhibit P-40a, Bu	uaget item	Justification	for Aggregat				February 200)6			
Appropriation / Budget Activity Procurement, Marine Corps (1109) / Weapons an				P-1 Item Nome	nclature:		MODIFICATION	LI KITO (ADMOD A	ND FIRE SUPPOR	DT/	
				E)/ 0005	E)/ 0000	EV 0007	MODIFICATION	N KITS (ARWOR A	IND FIRE SUPPOR		
Procurement Items	i i	Prior Years		FY 2005	FY 2006	FY 2007				To C	omplete Total Prog
ARMORED VEHICLE MOD KITS	A	0.0		2.8	0.0	0.0					2.8
FIRE SUPPORT SUSTAINMENT	Α	1.6		2.3	0.0	0.0					3.9
M1 MCTAGS	А	0.0		0.1	0.0	0.0					0.1
M1A1 MOD KITS	Α	7.1		3.7	0.0	0.0					10.8
	A	0.0		1.5	0.0	0.0					1.5
M1A1 TANK BLADES	A	0.0		1.0	0.0	0.0					1.5
M88 MCTAGS	Α	0.0		0.1	0.0	0.0					0.1
PORTABLE INDUCTIVE FUZE SET	Α	0.0		1.6	0.0	0.0					1.6
TANK SAFETY MODS	Α	1.0		3.0	0.0	0.0					4.0
		9.7		15.2	0.0	0.0					24.9
	Totals	9.1		15.2	0.0	0.0					24.9

Exhibit P-5, Weapon		Appropriation/ Bu	dget Activity	/Serial No:		P-1 Line Ite	m Nomenclature:			Weapon System	Type:	Date:	
WPN SYST Cost Analysis		Procurement,		os (1109) / Weapo at Vehicles (2)	ons and Tracked	MODIFIC	ATION KITS (ARM	MOR AND FIRE SI	UPPORT)			Febi	uary 2006
Weapon System	ID					FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
GROUND COUNTER FIRE SENSOR SYSTEM GROUND COUNTER FIRE SENSOR SYSTEM M1A1 TANK MODS M1A1 Refurb/Upgrade M1A1 Upgrade Kits					8500 5700 1900	2 5 VAR	4250000 1140000 VAR						·
TOTAL Active Reserve					16100 16100								

Fiscal Years	Weapon Syste Contract Method and Type			P-1 Line Item I	Nomenclature:			February 2	-
WBS Cost Elements: Contractor and Location Fiscal Years	Method	Location of PCO			·omonoidado.				
Fiscal Years	Method	Location of PCO			MODIFICATIO	N KITS (ARMOR AN	ND FIRE S		
	and Type		Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issu Date
GROUND COUNTER FIRE SENSOR SYSTEM SELEX - Basildon Essex UK				Delivery	Each	\$		Avail	
	FFP-IDIQ	MARCORSYSCOM	May-05	Jun-05	2	4250000	No	No	Feb-0
M1A1 TANK MODS TACOM - Warren, MI	Reimburs	TACOM - Warren, MI	Jun-05	Mar-06	5	1140000	No	No	N/A

	Exhib	it P-40, Budget I	tem Justific	cation Sheet			Date:		February 2006	6	
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomencla	ture:					
Procurement, Marine Corps (11	09) / Weapons and Combat Vehic	les (BA-02)					M1A	1 Firepower Enhance	ement		
Program Elements:			Code:	Other Related Prog	ram Elements:						
0206211	M Divisions (Marine)		А								
	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty	4		148	126	19	89					386
Gross Cost	3.7		36.0	31.7	19.1	26.0	0.0	0.0	0.0	0.0	116.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	3.7		36.0	31.7	19.1	26.0	0.0	0.0	0.0	0.0	116.4
Initial Spares	0.0		2.0	1.7	1.1	0.0	0.0	0.0	0.0	0.0	4.8
Total Proc Cost	3.7		38.0	33.4	20.1	26.0	0.0	0.0	0.0	0.0	121.2
Flyaway U/C											
Wpn Sys Proc U/C	.9										

M1A1 Firepower Enhancement Program (FEP): The FEP system is a suite of upgrades for the M1A1 tank. It will include a second-generation thermal sight, a north finding/far target location capability, and an improved eye safe laser range finder. The system will increase the M1A1 tank crew's ability to detect, recognize, and identify targets. It will integrate current/planned situational awareness systems.

Approved Acquisition Objective (AAO): 403.

Exhibit P-5, Weapon		Appropriation/ Budget	Activity/Serial No:		P-1 Line Item Nomen	clature:		Weapon System Typ	e:	Date:	
WPN SYST Cost Analysis		Procurement, Marin	ne Corps (1109) / Wea Vehicles (BA-02)	apons and Combat	M1A	1 Firepower Enhance	ment			Februa	ry 2006
Weapon System	ID	PYs	verilicies (BA-02)	FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	\blacksquare	\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Hardware FEP System		1545	31933	148	215764	27929	126	221659	5007	19	263526
Refurbishment of 4 FEP Systems*		222									
System Engineering Support			1838			1241			3133		
Government Engineering Services		200	299			295			443		
Program Management Support		741	895			871			552		
Installation of FEP system						353			306		
Integrated Logistics Support (Training Equip, Common Support Equip, and Peculiar Support Equip)		529	992			989			834		
Technical Documentation		438									
FMF TAD iso Testing and Evaluation		50									
Contractor Logistics Support (CLS) (Repair Facility)									5150		
Retrofit Kits									3660		
TOTAL ACTIVE RESERVE		3725 3725 0	35957 35957 0			31678 18603 13075			19085 19085 0		
*4 systems being refurbished are same systems being procured with FY04 PMC funds and are 4 of the total 403.											

	Exhibit P-5a, Budget Procureme	nt History a	nd Planning						bruary	2006
Appropriation / Budget Activity/Serial No:	Exhibit 1 od, Badget 1 roodreine	Weapon Syst			D 1 Line Item	Nomenclature	· ·	г	bluary	2006
	109) / Weapons and Combat Vehicles (BA-02)	rroupon by or	1, po.		1 - 1 Line item		A1 Firepower Enha	ncement		
		Contract	1					Specs	Date	RFP Is
/BS Cost Elements:	Contractor and Location	Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Avail?	Revsn	Date
iscal Years		and Type			Delivery	Each	\$		Avail	
FY05	Raytheon, McKinney, TX	FFP	MARCORSYSCOM, Quantic	Dec-04	Nov-05	148	215764	N/A	N/A	N/A
	,		I a a control of only qualities				2.0.0.	,, .		,,
Y06	Raytheon, McKinney, TX	FFP	MARCORSYSCOM, Quantic	Oct-05	Nov-06	126	221659	N/A	N/A	N/A
FY07	Raytheon, McKinney, TX	FFP	MARCORSYSCOM, Quantic	Oct-06	Nov-07	19	263526	N/A	N/A	N/A
		I		I	I					

Bli No. 209500 Item No. 8 Page 4 of 6 Budget Ite

Contract Dates: Oct 03 - Apr 09

Delivery Date: Deliveries begin 10 months after award of each production contract.

INDIVIDUAL MODIFICATION Date February 2006 MODIFICATION TITLE (Cont): FINANCIAL PLAN: (\$ in Millions) Prior Years FY 2005 FY 2006 FY 2007 FY 2008 FY 2009 FY 2010 FY 2011 TC TOTAL Qty \$ Qty Qty \$ Qty \$ Qty Qty Qty \$ Qty \$ Qty Qty \$ \$ RDT&E 5.861 5.861 PROCUREMENT Kit Quantity 1.545 148 126 19 89 386 1.545 31.933 27.929 5.007 21.640 86.509 Inst Kits, Nonrecurring Equipment, Nonrecurring Refurb 4 FEP Sys 0.222 0.222 ECO Other LRIP Testing & Evaluation 0.050 0.050 0.438 0.438 Documentation Govt Eng Services 0.200 0.299 0.295 0.443 0.459 1.696 0.552 3.854 **Program Management** 0.741 0.895 0.871 0.795 Retrofit Kits 3.660 3.660 CLS (Reapir Facility) 5.150 5.150 Integrated Logistics Spt 0.529 0.992 0.989 0.834 3.344 (Training Equip, Common Spt Equip, and Peculiar Spt Equip) 3.133 2.832 Systems Eng Support 1.838 1.241 9.044 Installation of Hardware FY 2003 Eqpt -- kits FY 2004 Eqpt -- kits FY 2005 Eqpt -- kits FY 2006 Eqpt -- kits 0.353 98 0.353 FY 2007 Eqpt -- kits 114 0.306 114 0.306 FY 2008 Eqpt -- kits 174 0.240 174 0.240 FY 2009 Eqpt -- kits FY 2010 Eqpt -- kits FY 2011 Eqpt -- kits Installment Cost 0.353 0.306 0.240 386 0.899

116.411

Total Procurement Cost

3.725

35.957

31.678

25.966

19.085

FY 07 BUDGET EXHIBIT P-	21, PRODUCTI	ON S	CHE	DULE																Date	:				Febr	uary 2	2006									
Appropriation Code/CC/BA/BSA/Item	Control No.						Wea	pon S	Syste	m				P-1	Item	Nome	enclat	ture:								, -										
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ТЕМ	Manufacturer's NA	AME / LO	CATION				M	SR	EC	ON	M	AX		Oc			Oct 1		Mf	fg Pl	_T	М	fg P	LT		TO	TAL		Me	asuı	re					
M1A1 FIREPOWER ENHANCEMENTS	Manufacturer's NAME / LOCATION OWER ENHANCEMENTS Raytheon, McKinney, TX F S Q Y T C Y EPOWER ENHANCEMENTS 5 MC 148 EPOWER ENHANCEMENTS 6 MC 126								1:	3	3	30					1			9			13			1	10		E							
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	Manufacturer's NAME / LOCATION POWER ENHANCEMENTS Raytheon, McKinney, TX F S Q D T C Y L REPOWER ENHANCEMENTS 5 MC 148 REPOWER ENHANCEMENTS 6 MC 126															J		s	0	N	D	J	F	М	Α	М	J	J	Α	s						
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ITEM			С	Y	L	L.	Т	V	С	N	В	R	R	Υ	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	Р						
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M1A1 FIREPOWER ENHANCE		5	MC	148	135	13	13	4.4		44			L.	46	40	40	40	40	40						H		ــــ	₽	₩	ــــ	ـــــ					
M1A1 FIREPOWER ENHANCE	_	6 7	MC	126		126	۸	11	11	11	11	11	11	10	10	10	10	10	10	10	9				!		⊢	⊢	₩	⊢	₩					
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		1																									\vdash	╁	\vdash	\vdash	十					

		Exhibit P-40, Budo	get Item Justific	cation Sheet	:		Date:		February 200	6	
Appropriation / Budget Activity/	/Serial No:				P-1 Item Nomenclati	ıre:					
Procurement, Marine Corps (11	109)/ Weapons and Com	oat Vehicles (BA-02)					EXPEDITIONAR	RY FIRE SUPPORT	SYSTEM (EFSS)		
Program Elements: 0206211	M Divisions (Marine)		Code:	Other Related Progr	am Elements:						
	Prior Years*		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Pro
Proc Qty				6	12	12	18	18		· 1	66
Gross Cost	0.0		0.0	5.6	7.4	5.9	9.8	10.2	0.0	0.0	38.8
ess PY Adv Proc											
us CY Adv Proc											
Net Proc (P-1)	0.0		0.0	5.6	7.4	5.9	9.8	10.2	0.0	0.0	38.8
nitial Spares	0.0		0.0	0.2	0.4	0.9	0.0	0.0	0.0	0.0	1.5
Fotal Proc Cost	0.0		0.0	5.8	7.8	6.7	9.8	10.2	0.0	0.0	40.3
-lyaway U/C											
Wpn Sys Proc U/C											
all-weather, ground defined as a Laund	d based indirect cher, Mobility Pl	n (EFSS): This initi fire system designation (prime move atform (prime move o an azimuth of fire	ed to support the er), Ammunition,	e vertical ass	ault element	of a Ship-To-	Objective Ma	aneuver (ST	OM) force.	Γhe EFSS is	

Exhibit P-5,		Appropriation/ Budge	t Activity/Serial No:		P-1 Line Item Nomen	clature:		Weapon System Type	e:	Date:	
Cost Analysis			ine Corps (1109)/ Wea Vehicles (BA-02)	apons and Combat	EXPEDITIONAL	RY FIRE SUPPORT S	SYSTEM (EFSS)			Februa	ry 2006
Weapon System	ID	FYs		FY 05	•		FY 06	•		FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
EFSS						4871	6	811833	6135	12	511250
First Article Test / Lot Acceptance Test Integrated Logistics Support (ILS) Factory training Support Equipment Contractor Consulting Services Special Purpose Test Equipment Special Purpose Training Devices						50 283 100 125 74 26 119			39 835 110 141 75 26		
TOTAL Active Reserve						5648 5648 0			7361 7361 0		

Appropriation / Budget Activity/Serial No:	Exhibit P-5a, Budget Procuremer	Weapon System			D-1 Line Item	Nomenclature	٠.		ebruary	_000
	rps (1109)/ Weapons and Combat Vehicles (BA-02)	Weapon System	туре.				r. ARY FIRE SUPPOR	T SYSTE	M (EFSS)	
/BS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Iss
iscal Years		and Type			Delivery	Each	\$	Avail:	Avail	Date
FSS										
Y06	General Dynamics, St. Pete, Fl.			Nov-05	Jul-06	*6	811833		No	Mar-
Y07	General Dynamics, St. Pete, Fl.	CPAF/FFP	MARCORSYSCOM	Oct-06	Dec-06	12	511250	No	No	Mar-
REMARKS: *Six Expeditionary Fi	ire Support Systems (EFSS) for First Article Test (FAT	·).	1	·				1		1
- ·		,								

FY 07 BUDGET EXHIBIT P-2	21, PRODUCTI	ON S	CHE	DULE																Date	e:				Cobr	107/	2006				
Appropriation Code/CC/BA/BSA/Item Procurement, Marine Corps (1109)	Control No.						Wea	pon S	Syste	m				P-1	Item		encla XPE		ION	ARY	/ FII	RE S	SUF			uary 2		1 (EI	FSS)	
							PF	ROD	UCT	ION	RAT	Έ			PF		URE											- (
ITEM	Manufacturer's NA	AME / LO	CATION				MS	SR	EC	ON	MA	ΑX		T P Oc	rior t 1		T Af Oct			nitia g Pl			eord fg P			TO	TAL		Unit	t of asur	e
EFSS	GENERAL DYN	AMICS					1	ı	3	3	6	6					1			8			2				9		E		
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EFSS		6	MC	6		6														Α								3	3		
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ITEM			C	Y	L	L	'	V	C	IN	В	ĸ	ĸ	Y	IN	_	G	٢	'	٧	C	IN	В	ĸ	ĸ	Y	IN	_	G	Р	
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EFSS		6	MC	6	6													-						_	-	-			Н	$\vdash\vdash$	
EFSS		7	MC	12	0	12	Α		3	1	1	1	1	1	1	1	1	1						1	-	1			$\vdash\vdash$	-	
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REMARKS: Break in production between FY06 and FY07 is due to LRIP quantities being produced and Operational Testing (OT) in FY06. Continuance of production resumes upon Full Rate Production. Decision being granted following successful completion of OT.

	Exhibit P-	40, Budget Item Justifi	cation Sheet			Date:		February 200	6						
Appropriation / Budget Activity	//Serial No:			P-1 Item Nomencla	ature:										
Procurement, Marine Corps (1	1109) / Weapons and Combat Vehicles (2)			155MM LIGHTWEIGHT TOWED HOWITZER											
Program Element:		Code:	Other Related Prog	ther Related Program Elements:											
020621	1M Divisions (Marine)	А													
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog					
Proc Qty	94	106	69	34	47					350					
Gross Cost	180.0	227.9	170.5	93.8	94.9	0.0	0.0	0.0	0.0	767.1					
Less PY Adv Proc	10.9	4.9	3.2	1.6	2.2	0.0	0.0	0.0	0.0	22.7					
Plus CY Adv Proc	15.9	3.2	1.6	2.2	0.0	0.0	0.0	0.0	0.0	22.8					
Net Proc (P-1)	185.0	226.2	168.9	94.4	92.8	0.0	0.0	0.0	0.0	767.2					
Initial Spares	0	2.5	3.7	0.9	0.8	0.0	0.0	0.0	0.0	7.8					
Total Proc Cost	185.0	228.7	172.6	95.3	93.6	0.0	0.0	0.0	0.0	775.0					
Flyaway U/C										0.0					
Wpn Sys Proc U/C										 					

The Lightweight 155mm Howitzer (LW155) replaces the M198 howitzer and will be the sole USMC artillery weapon for all forces and missions. A 40% reduction in weight compared to the current system allows for greater strategic and tactical mobility while maintaining or improving range, weapon stability, accuracy, and durability. Battlefield mobility and rates of fire are also significantly improved creating a weapon that is more survivable and lethal. The Army will use the LW155 as a general and direct support weapon for its Light Force and Interim Brigade Combat Team. The UK continues their participation with a Memorandum of Understanding (MOU) for production. Towed Artillery Digitization (TAD) is a joint Pre-Planned Product Improvement Program with the Army. The Army awarded a contract for the development of TAD, an effort which greatly enhances the capabilities and performance of the LW155 system. TAD will be integrated with the Marine Corps procurement of howitzers under the full rate production contract. The LRIP quantities of howitzers will be retrofitted with TAD.

Full-rate Production Milestone February 2005.

FY 05-08 Full Rate Production contract is a joint multiyear procurement with the Army.

The FY06 multiyear contract quantity of 75 Lightweight 155MM Howitzers was maintained by the purchase of 6 additional guns under Foreign Military Sales (FMS).

Advance Procurement Requiremen	nts Analysis-	Funding		First System A	Award Date: November 200		First System C	ompletion Date: November 2004		Date: February 2006			
Appropriation / Budget Activity/Serial No:					P-1 Line Item	Nomenclature	/ Weapon Syste		GHT TOWED HOW				
Procurement, Marine Corps (1109) / Wea	apons and Tracked Co	mbat Vehicles	, (BA-2)			-							
	PLT (mos)	When Rqd (mos)	Pr Yrs	2005	2006	2007	2008	2009	2010	2011	To Comp	Total	
End Item Quantity:													
Cannon - GFE	9	12	10.900	3.174	1.564	2.162	0.000	0.000	0.000	0.000	0	17.800	

10.900

3.174

1.564

Description:

Bli No. 218500

Total Advance Procurement

Funding is for procurement of metal forgings required in advance of GFE cannon manufacture.

There is no advanced procurement scheduled in FY08-11.

2.162

Date: Advance Procurement Requirements Analysis-Present Value Analysis (P-10C) February 2006 P-1 Line Item Nomenclature / Weapon System: Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Weapons and Tracked Combat Vehicles (BA-2) 155MM LIGHTWEIGHT TOWED HOWITZER (\$ in Millions) То Pr Yrs 2005 2007 2011 2006 2008 2009 2010 Comp Total Proposal w/o AP Then Year Cost 16.300 4.867 2.400 3.317 0.000 0.000 0.000 0.000 26.884 Constant Year Cost (CY02\$) 16.060 4.531 2.189 2.964 0.000 0.000 0.000 0.000 25.743 Present Value 15.286 4.105 1.935 2.555 0.000 0.000 23.881 0.000 0.000 AP Proposal Then Year Cost 10.900 3.174 1.564 2.162 0.000 0.000 0.000 0.000 17.800 Constant Year Cost (CY02\$) 10.707 3.021 1.459 1.976 0.000 0.000 0.000 0.000 17.162 Present Value 10.191 2.736 1.290 1.704 0.0000 0.000 0.000 15.920 0.000 Difference (AP Savings) Then Year Cost 5.400 1.693 0.836 0.000 0.000 0.000 0.000 9.084 1.155 Constant Year Cost (CY02\$) 5.353 1.510 0.730 0.988 0.000 0.000 0.000 0.000 8.581 Present Value 5.095 0.645 7.960 1.368 0.852 0.000 0.000 0.000 0.000

Remarks:

Savings are a PM estimate since a proposal without Advance Procurement was not required for this GFE item.

There is no advanced procurement scheduled in FY08-11.

Exhibit P-5,			Iget Activity/Serial No:					Nomenclature:			Weapon System 1	Гуре:	Date:	
Cost Analysis		Procurement, Vehicles (2)	Marine Corps (1	1109)/Weapon	ns and Comb	oat	L	.W155 TOWE	D HOWITZEF	₹			Febru	ary 2006
Weapon System	ID	PYs					FY05			FY06			FY07	
Procurement, Marine Corps (1109) / Weapons and Combat Vehicles (2)	CD	TotalCost \$000				otalCost \$OOO	Qty Each	UnitCost \$	TotalCost \$000	Qty Each	UnitCost \$	TotalCost \$000	Qty Each	UnitCost \$
		ψΟΟΟ				ψ .	Lacii	Ψ	ΨΟΟΟ	Edon	Ψ	ΨΟΟΟ	Edon	Ψ
Cannon Long Lead Watervliet Arsenal		4324				4876	106	46000	3174	69	46000	1564	34	46000
Titanium/Tooling/Fixtures, Etc - BAE SYSTEMS (Contractor)		6580				2588								
Less PY Adv Proc		-10904				-4876	106	-46000	-3174	69	-46000	-1564	34	-46000
Plus CY Adv Proc		15872				3174	69	46000	1564	34	46000	2162	47	46000
BAE Lightweight 155MM		122492				177612	106	1675585	117300	69	1700000	57800	34	1700000
Retrofitted TAD									12267	47	261000	12267	47	261000
BAE Award Fee						1300								
WVA Cannon		19740				21730	106	205000	14145	69	205000	6970	34	205000
Primer Feed Mechanism		3666				1908	106	18000	1242	69	18000	612	34	18000
Optical Fire Control						4240	106	40000	2760	69	40000	1360	34	40000
Basic Initial Issue		1410				2120			3500			680		
Systems Engineering/Program Mgt		11884				4508			5000			4014		
Test		10000				3000			5112			3500		
Fielding						4000			6000			5000		
TOTAL Active Reserve		185064 185064				226180 226180			168890 168890			94365 91590 2775		

Fyh	ibit P-5a, Budget Procureme	ent History a		Date: February 20						
Appropriation / Budget Activity/Serial No:	ibit i ba, Baaget i rocareme	Weapon System			P-1 Line Item N	lomenclature:		Γŧ	bruary	2006
Procurement, Marine Corps (1109) / Weap	ons and Combat Vehicles (2)	vveapon Gyster	н турс.		1 -1 Line item i		/155 TOWED HOW	/ITZER		
VBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Iss Date
iscal Years		and Type			Delivery	Each	\$		Avail	
Fitanium/Tooling - BAE SYSTEMS (Contractor)	BAE SYSTEMS,	MYP/FFP	Picatinny Arsenal, NJ							
FY 05	Barrow-in-Furness, UK			Mar-05	Mar-06		2588			
GFE-Watervliet Cannon Long Lead	Watervliet Arsenal									
FY 05	Watervliet, NY			Jan-05	Mar-06	69	46000			
FY 06				Jan-06	Mar-07	34	46000			
FY 07				Jan-07	Mar-08	47	46000			
GFE-Watervliet Cannon	Watervliet Arsenal									
FY 05	Watervliet, NY			Jan-05	Mar-06	106	205000			
FY 06				Jan-06	Mar-07	69	205000			
FY 07				Jan-07	Mar-08	34	205000			
1 07				July 07	War oo	0-1	200000			
GFE - Primer Feed Mechanism	HTD, Hartford, CN									
FY 05				Mar-05	Mar-06	106	18000			
FY 06				Mar-05	Mar-07	69	18000			
FY 07				Mar-05	Mar-08	34	18000			
GFE - Optical Fire Control	Seiler, St. Louis, MO									
-Y 05	, , ,			Jun-05	Mar-06	106	40000			
FY 06				Jun-05	Mar-07	69	40000			
FY 07				Jun-05	Mar-08	34	40000			
				J Gair GG	War oo	0.	10000			
ightweight 155MM Howitzer	BAE SYSTEMS	MYP/FFP	Picatinny Arsenal, NJ							
FY 05	Barrow-in-Furness, UK			Mar-05	Apr-06	106	1676000			
FY 06				Mar-05	Jul-07	69	1700000			
FY 07				Mar-05	Apr-08	34	1700000			
Retrofitted TAD	BAE SYSTEMS	MYP/FFP	Picatinny Arsenal, NJ	Mar-05	Jul-07	47	261000			
	Barrow-in-Furness, UK			Mar-05	Apr-08	47	261000			

REMARKS

^{*} Four year multiyear contracts were awarded in 2005 to BAE Systems for the howitzers and TAD, to HTD for the Primer Feed Mechanism, and to Seiler for the Optical Fire Control. Annual funding is due at the beginning of each fiscal year.

^{*}The FY06 multiyear contract quantity of 75 Lightweight 155MM Howitzers was maintained by the purchase of 6 additional guns under FMS.

FY 07 BUDGET EXHIBIT P-2	1, PRODUCTI	ON S	CHED	ULE																Date	e :				Febru	ary 2	2006				
Appropriation Code/CC/BA/BSA/Item	Control No.						Wea	pon :	Syste	m				P-1	Item	Nom	encla	ture:													
Procurement, Marine Corps (1109) / V	Veapons and Con	nbat Ve	ehicles (2)															L١	N15	55 T	OW	ΈD	HO)	WIT.	ZER	t .				
							PF	ROD	UCT	ION	I RA	ГΕ			PF	ROCI	JREI	MEN	NT LE	ΞAD	TIM	ES									
	Maria Carta and La Ma	ME /I O	0471011					20	F.0	ON.		ΑX	AL	ΤP	rior	AL	T Af	ter	lı	nitia	ıl	R	eord	der					Uni	t of	
ITEM	Manufacturer's NA	AME / LO	CATION				IVIS	SR	EC	ON	IVI.	ЧX	to	Oc	t 1		Oct 1		Mf	g Pl	LT	М	fg P	LT		TO	TAL		Mea	asur	е
Lightweight 155MM	BAE SYSTEMS	, Barrov	v-in-Furn	ess, UK			8	3	1	2	1	2					2			12			12			1	14	\neg	E		
																												\neg			
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ITEM		Υ	С	Υ	L	L	Т	٧	С	N	В	R	R	Υ	N	L	G	Р	Т	٧	С	N	В	R	R	Υ	N	L	G	Р	
Lightweight 155MM		03	MC	34	8	26			6	1	4	5	5	5															М		
		04	MC	60	0	60						-	_		5	6	6	6	6	6	6	6	6	6	1				М		
		05	MC	106	0	106						Α													5	6	6	6	6	6	71
		05	Army	16	0	16																			3	2	3	3	4	1	
		06	Army	19	0	19																								3	16
										Fi	scal	Year	07										Fi	iscal							B A
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		F	s	Q	D	В	О	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	s	N C
		Y	V C	T Y	E L	A L	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	E
ITEM				, i													Ü	_		٧	Ŭ	11	D			,	.,	Ļ	Ů	•	
Lightweight 155MM		05	MC	106	35	71	6	7	7	8	8	8	9	8	8	2											Ш		└		
		05	Army	16	16													_	\sqcup	_	<u> </u>	<u> </u>	<u> </u>	├ _	Ļ		Ш	<u> </u>			
		06	MC	69	0	69	_									6	8	7	7	7	7	7	7	7	6		Ш	<u> </u>	ሥ		
		06	Army	19	3	16	5	4	4	3								_	\sqcup			!			-	_	\vdash	<u> </u>	\vdash		
		06	FMS	6	0	6					-								$\vdash \vdash \vdash$			 		-		2	1	1	1	1	
		07 07	MC Army	34	0	34			\vdash	4	_	4	4	-	H	_		_		_	_		_	+-	7	7	7	7	7	5	
		UΙ	Allily	85	0	85				1	4	4	4	5	5	6	6	6	6	6	6	6	6	7	/		ш		$ldsymbol{ldsymbol{\sqcup}}$		

REMARKS: FY05/FY06/FY07/FY08 Multi-year Procurement for Full Rate Production. Army quantities for Full Rate Production are: FY05 - 16, FY06 - 19, FY07 - 85, FY08 - 126. Deliveries from FY03 Funding reflects actuals.

	Exhib	it P-40, Budget I	tem Justific	cation Sheet	t		Date:		February 2006	3	
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	ture:					
Procurement, Marine Corps (11	09) / Weapons and Combat Vehi	cles (2)					MODIFICATION KI	ITS (INFANTRY WE	APONS SYSTEMS)		
Program Element:			Code:	Other Related Prog	gram Elements:						
0206211	M Divisions (Marine)		Α								
	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty		·									
Gross Cost	26.0		2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.7
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	26.0		2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.7
Initial Spares	0.1										0.1
Total Proc Cost	26.1		2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.8
Flyaway U/C											
Wpn Sys Proc U/C											
Infantri Wasasan	a Madificationa. T	hia lina itana a									

Infantry Weapons Modifications: This line item supports the enhancement of small arms equipment/systems. These efforts also address emerging requirements and provide support for investigating safety issues that arise.

BLI 220900 Modification Kits (Infantry Weapons) was consolidated into new BLI 206100 Modification Kits beginning in FY06.

	E	Exhibit P-40, Budget I	tem Justific	ation Sheet			Date:	F	ebruary 2006		
Appropriation / Budget Activity/S	erial No:				P-1 Item Nomencla	ture:					
Procurement, Marine Corps (110	09) / BA2 - Weapons and	Tracked Combat Vehicles					MARINE E	NHANCEMENT PRO	OGRAM		
Program Element:			Code:	Other Related Prog	ram Elements:						
02062111	M Divisions (Marine)		А								
	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty											
Gross Cost	38.5		21.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.0
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	38.5		21.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.0
Initial Spares	0.2										0.2
Total Proc Cost	38.7		21.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.2
Flyaway U/C											
Wpn Sys Proc U/C											

Bayonet: The multi-purpose bayonet will serve as the replacement bayonet for the M7 bayonet and in a secondary role as a standardized fighting knife used throughout the active and reserve Marine Forces. The bayonet blade is made from high carbon steel which retains the mission-style serrated edge.

Family of Marine Enhancement Programs (MEP) is a Congressionally initiated program that provides an avenue for obtaining equipment and end items that would otherwise be considered low visibility, low cost items. It focuses on the equipment that will benefit the individual Marine by reducing the load, increasing survivability, enhancing safety and improving combat effectiveness. The emphasis of this program is on Non-Developmental Items (NDI) and commercially available items which can be quickly evaluated and fielded. This program is coordinated with the Army's Soldier Enhancement Program and the Special Operations Command.

Raids & Recon Individual Assault Kit (IAK) consists of personal protection items, urban climbing equipment, personnel restraining devices, utility equipment, and special load bearing equipment configured for Close Quarters Battle (CQB) missions. No munitions or explosives are included in this kit. A majority of the items have fallen out of the DLA system. The current initiative will provide selective replacements / upgrades to various SL-3 components in order to bring the kit parallel with current CQB techniques / technology for use in operations conducted by Force Recon and other DoD Special Operations Forces. This will upgrade the existing Individual Assault Kit, which has been in service for over 15 years.

Full Spectrum Battlefield Equipment (FSBE): FSBE was designed to replace the old Close Quarters Battle (CQB) suite of equipment and to address the needs of Marines performing Special Operations Capable missions in Maritime Special Purpose Force (MSPF) (i.e. MSPF detachment and helicopter assault company). Less weight, increased positive buoyancy, spare air source, and a cutaway system are all desired quality changes. The Intermediate Passenger Helicopter Aircrew Breathing Device (IPHABD) program has been designed to provide enhanced flotation and emergency breathing to "frequent-flyers" across the fleet.

FY05 Supplemental Funds Received: \$18.3M

BLI 221100 Marine Enhancement Program was consolidated into a new BLI 220800 Weapons Enhancement Program beginning in FY06.

Exhibit P-40a	ı, Budget Ite	em Justifica	ition for <i>A</i>	Aggregate	ed Items		Date: February 2006							
Appropriation / Budget Activity					P-1 Item Nome									
Procurement, Marine Corps (1109) / BA2	- Weapons and Trac	ked Combat Vehicle	es				MARINE ENHANCEMENT PROGRAM / BLI 221100							
Procurement Items	Cod	e Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog			
BAYONET	A	7.7	0.3	0.0	0.0						8.0			
FAMILY OF MEP	Α	0.0	3.9	0.0	0.0						3.9			
RAIDS & RECON IAK (GWOT)	A	0.0	2.8	0.0	0.0						2.8			
	Totals	7.7	7.0	0.0	0.0									

Exhibit P-5, Cost Analysis		Appropriation/Bud Procurement, Mar		1109)/Weapons ar	nd Tracked Combat	Vehicles	P-1 Line Item No Marine Enl	menclature: nancement Pr	ogram	Weapon System	Туре:	Date: Febi	uary 2006
Weapon System	ID		FY 05			FY 06			FY 07				
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
Cost Elomonto			٠.,		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Full Spectrum Battlefield Equipment	A	14602	VAR	VAR									
TOTAL Active Reserve		14602 14602											

	Exhibit P-4	0, Budget Item Justif	ication Shee	t		Date:		February 200	6	
Appropriation / Budget Activity/S	Serial No:			P-1 Item Nomencla	iture:					
Procurement, Marine Corps (11	09) / Weapons and Combat Vehicles (2)					High Mobility	Artillery Rocket Sys	tem (HIMARS)		
Program Elements for Code B It	tems:	Code:	Other Related Pro	gram Elements:						
	0502511M Divisions (MCR)	В								
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty			18	6	0	0	0	0	0	24
Gross Cost	0.0		177.4	57.5	45.5	109.6	93.2	19.4	Cont	Cont
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	0.0	0.0	177.4	57.5	45.5	109.6	93.2	19.4	Cont	Cont
Initial Spares	0.0	0.0	0.1	0.8	0.9	0.7	1.1	0.0	0.0	3.6
Total Proc Cost	0.0	0.0	177.5	58.3	46.4	110.3	94.3	19.4	Cont	Cont
Flyaway U/C										
Wpn Sys Proc U/C										

HIMARS

USMC HIMARS is a C-130 transportable, wheeled, indirect fire, rocket/missile system capable of firing all rockets and missiles in the current and future Multiple Launch Rocket System Family of Munitions (MFOM). The system includes a launcher, two Re-Supply Systems (RSS) and the MFOM. An RSS consists of a Re-Supply Vehicle (Medium Tactical Vehicle Replacement (MTVR) based truck with Material Handling Equipment) and Re-Supply Trailer. The MFOM is a family of rockets and missiles capable of attacking a variety of tactical and operational targets, providing the requisite range and lethality to support maneuver commanders. HIMARS will provide the Fleet Marine Force with 24-hour ground-based, responsive General Support/General Support Reinforcing (GS/GSR) indirect fires which accurately engage targets at long range (60+KM) with high volumes of lethal fire under all weather conditions throughout all phases of combat operations ashore including irregular and distributed operations. HIMARS is a significant improvement over currently fielded ground fire support systems. During a 24-hour period the system will be expected to conduct multiple moves and complete multiple fire missions. HIMARS will satisfy the Marine Corps requirement for an indirect fire system that is responsive, maneuverable, and capable of engaging targets at long range.

High Mobility Artillery Rocket System (HIMARS) Rockets are procured training and tactical munitions per the USMC HIMARS Total Munitions Requirement (TMR). The training munitions are the Multiple Launch Rocket System (MLRS) Reduced Range Practice Rocket (RRPR). The rocket has an inert payload section with a blunt nose for inducing reduced range for use at multiple ranges in CONUS. The tactical munitions are the Guided Multiple Launch Rocket System (GMLRS) rocket. The GMLRS integrates a guidance and control package and a new rocket motor to achieve greater range and precision accuracy resulting in reduced logistics footprint for deployed forces. GMLRS is effective against counter fire, air defense, light material, personnel targets and provides greater range and significantly enhanced accuracy.

Note: Six Launchers were procured prior to FY06 in BLI 205000. Two of the six prior year systems were initially Maturation Launchers procured with RDT&E funds. These Launchers were upgraded to Production units in FY05. LRIP procurements occur in FY03, FY04, and FY05. Full rate production begins in FY06.

*Army HIMARS MS C March 2003. Army HIMARS FRP decision 4th Qtr FY05.

*USMC HIMARS MS C October 2003. USMC HIMARS FRP decision 1st Qtr FY06.

**BLI 221200 received \$30M in Title IX funds for HIMARS-Guided MLRS.

BLI 221200 High Mobility Artillery Rocket System is a consolidation of BLI 205000 HIMARS and BLI 304000 HIMARS Rockets beginning in FY 06.

Exhibit P-5,		Appropriation/ Budge	-	P-1 Line Item Nome	enclature:			Weapon System Type	9:	Date:	
Cost Analysis		Procurement Marine Corps/Weapons and Combat Vehicles		HIMARS						February 2006	
Weapon System	ID	PYs		FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
GROUND EQUIPMENT HARDWARE											
HIMARS Launcher System						63312	18	3517333	20820	6	3470000
Engineering Services, IES						5760			1583		
Fielding						2759			1740		
Facilitization						3221			1414		
HIMARS ReSupply System						18390	36	510840	5914	12	492800
P3I Upgrades						1771	00	0.00.0	10858		.02000
GROUND EQUIP HARDWARE SUBTOTAL						95213			42329		
DO CALLET MANAGEMENT AND DESCRIPTION OF THE PROPERTY OF THE PR											
ROCKET MUNITION HARDWARE										=	
M28A2 Reduced Range Practice Rocket						2030	76	26712	3775	148	25506
M30 Guided Multiple Launch Rocket System						18981	30	632700			
M31 Guided Multiple Launch Rocket System						37317	51	731715			
Receipt, Storage, Segregation, Inspection						12					
M68A2 Training Pods						450	18	25000	150	6	25000
ROCKET MUNITION SUBTOTAL						58791			3925		
LOGISTICS											
Contractor Logisitics Support						1665			1600		
NETT						1610			1420		
Peculiar Support Equipment						2664			802		
Integrated Logistics Support						6161			2048		
integrated Logistios Support						0101			2010		
LOGISTICS SUBTOTAL						12100			5870		
PROCUREMENT SUPPORT											
Production Engineering (Launcher)						4590			1099		
Government Testing (Launcher)						2736			707		
Multiple Launch Rocket System (MLRS) PMO						1160			250		
USMC HIMARS PMO						2015			2395		
Contractor Consulting Services						800			950		
PROCUREMENT SUPPORT SUBTOTAL						11301			5401		
I ROCCREMENT SCITORI SCITOTAL						11301			3401		
TOTAL						177405			57524		
Active											
Reserve						177405			57524		

								Date:		
Exhibit	P-5a, Budget Procurement	History a	nd Planning					F	ebruary	2006
Appropriation / Budget Activity/Serial No:		Weapon System	em Type:		P-1 Line Item	Nomenclature	:			
Procurement, Marine Corps (1109) / Weapons	and Combat Vehicles (2)					High Mobil	ity Artillery Rocket	System (H	HMARS)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
HIMARS Launchers System*										
FY06	Lockheed-Martin, Dallas TX	SS-FFP	Huntsville, AL	Feb-06	Mar-07	18	3517333	Yes		
FY07	Lockheed-Martin, Dallas TX		Huntsville, AL	Dec-06	Mar-08	6	3470000			
107	Lockineed Wartin, Dallas 17	00111	Turitaville, AL	Bcc 00	Wai 00	J	347 0000	103		
HIMARS Re-Supply System (RSS)										
FY06	Oshkosh Truck, Oshkosh, WI	SS-FFP	Quantico, VA	Jan-06	Jul-06	36	510840	Yes		
FY07	Oshkosh Truck, Oshkosh, WI	SS-FFP	Quantico, VA	Nov-06	Nov-07	12	492800			
	Common Truck, Common, W		Quantioo, V/	1.07.00	1101 01	12	102000	100		
Training Munitions Systems (M28A2)										
FY06	Lockheed Martin, Dallas TX	SS-FFP	Huntsville, AL	Mar-06	Feb-07	76	26712	Yes		
FY07	Lockheed Martin, Dallas TX		Huntsville, AL	Mar-07	Feb-08	148	25506			
				1						
Tactical Munitions Systems (GMLRS)										
FY06 (M30 Guided Multiple Launch Rocket System)	Lockheed Martin, Dallas TX	SS-FFP	Huntsville, AL	Feb-06	Mar-07	30	632700	Yes		
FY06 (M31 Guided Multiple Launch Rocket System)	Lockheed Martin, Dallas TX	SS-FFP	Huntsville, AL	Feb-06	Mar-07	51	731715	Yes		

REMARKS:

^{*}The Launcher System unit cost includes a launcher, Carrier, Carrier Armor and Carrier Radios.

FY 07 BUDGET EXHIBIT		TION	SCHE	DULE																Date	:				Febru	uary 2	2006				
Appropriation Code/CC/BA/BSA							Wea	pon S	Syste	m				P-1	Item	Nom															
Procurement, Marine Corps (11	09) / 2212000																						Roc	ket S	Syst	em ((HIM	IARS	3)		
							PF	ROD	UCT	ION	RAT	ΤE							IT L			ES									
ITEM	Manufacturer's	s NAME/I	LOCATION				MS	SR	ECC	NC	MA	ΑX		T Pi Oct			T Af Oct 1			nitia g Pl			eord fg P			то	TAL		Uni Mea		е
Launcher	Lockheed Ma	lartin, Dal	llas Texas	3			2	2	4		1	2					2			15			13				17	\neg	Е		
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		F	S V	Q T	D E	B A	0 C	N O	D E	J A	F E	M A	A P	M A	Ŋ	Ŋ	A U	S E	0	N O	D E	J A	F E	M A	A P	M A	U	Ŋ	A U	S E	C E
ITEM		Υ	С	Υ	L	L	C T	٧	С	Ν	В	R	R	Υ	N	L	G	Р	Т	٧	С	N	В	R	R	Υ	N	L	G	Р	
HIMARS		2005	MC	1		1			Α															1			\Box	\vdash	\vdash		
		2006	MC	18		18																	Α						П		18
		2007	MC	6		6																					\Box		П		6
																													П		
		2005	Army	37		37			Α															3	3	3	3	3	3	3	16
		2006	Army	35		35															Α								\Box		35
		2007	Army	50		50																									50
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		F	s	Q	D	В	0	N	D	J	F	М	Α	М	J	J	Α	s	0	N	D	J	F	М	Α	М	J	J	Α	s	N C
		Y	V C	T Y	E L	A L	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	Ē
ITEM				Ť	L	L	'	V	C	IN	В	ĸ	ĸ	Ť	N	L	G	Р	ı	V	C	IN	В	K	ĸ	Ť	IN		G	Р	
HIMARS		2005	MC																												
		2006	MC			18						1	1	1	1	2	2	2	2	2	2	1	1						$\bigsqcup^{!}$		
		2007	MC			6			Α															1	1	1	1	1	1		
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		2005	Army			16	3	3	3	3	4					Ļ						Ļ	Ļ	1	_	₽	Ш	igspace	igsquare		
		2006	Army			35						3	3	3	3	3	3	3	3	3	3	3	2	!	<u> </u>	H-	Щ	\vdash	لبا		-00
		2007	Army			50			Α															4	4	4	4	4	4	4	22

REMARKS: BLI 221200 HIMARS was consolidated from BLI 205000 and BLI 304001 beginning in year FY06. Prior year quantities were procured under BLI 205000 and BLI 304001. System and Rockets are a joint procurement with the US Army.

FY 07 BUDGET EXI	HIBIT P-21, PRODUCTION	ON SCH	IEDUL	E																Date	:				Febr	uary	2006				
Appropriation Code/CC/BA Procurement, Marine Corp							Wea	pon	Syste	m				P-1 I	tem I	Nome	enclat	ure:	•												
,	,						PI	ROD	UCT	ION	RAT	ΓE			PF	ROC	URE	MEN	NT LE	EAD	TIMI	ES									
	Manufacturer's N	AME / LOCAT	ΓΙΟΝ				MS	SR	EC	ON	M	ΑX		T Pr	ior	AL	T Af	ter	I	nitia g Pl	l	R	eord fg F			TO	TAL		Uni Me	it of	
TEM GMLRS	Lockheed Marti	n, Dallas Te	exas				-	7	4	2	8	3	ιο	Oct	. 1		Oct 1		IVII	13	- '	IVI	13		 		16		IVIE	asu	IE
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		F Y	s V C	Q T Y	D E L	B A I	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	JUN	JUL	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	1 C E
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GMLRS		2006	MC	81		81																	Α		┢	+			╆		8
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		2000	Λ	171		171																^			-				₩		<u> </u>
		2006 2007	Army Army	231		231																Α			1				₩		17 23
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		F Y	S V C	Q T Y	D E L	B A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	JUN	J	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U	J U L	A U G	S E P	N C E
TEM								_	Ĥ								_				_				H	+			H		╀
GMLRS		2006	MC	81		81						6	6	6	7	7	7	7	7	7	7	7	7						世		世
																													lacksquare		
		2006	Army	171		171						14	14	14	14	14	14	14	14	15	15	15	14		 	+			₩		+
			Army	231		231				Α		17	17	1-7	17	17	17	1-7	17	10	10	-13	1.7		19	19	19	19	19	19	98
																													T		

						Date:				
	Exhibit P-40), Budget Ite	m Justificat	ion Sheet				February	/ 2006	
Appropriation / Budget Activity/Serial No	0:			P-1 Item Nomencla	ature:					•
Procurement, Marine Corps (1109) / We	eapons and Tracked Combat Vehi	cles (2)				WEAPONS AN	ID COMBAT VEHIC	LES UNDER \$5M /	BLI 222000	
Program Element:		Code:	Other Related Prog	gram Elements:						
0206211M Divisi	ions (Marine)	А								
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty										
Gross Cost	28.0	51.7	99.4	9.0	17.1	28.9	13.0	13.8	Cont	Cont
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	28.0	51.7	99.4	9.0	17.1	28.9	13.0	13.8	Cont	Cont
Initial Spares	0.6	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	1.3
Total Proc Cost	28.6	51.7	99.4	9.0	17.1	29.6	13.0	13.8	Cont	Cont
Flyaway U/C										
Wpn Sys Proc U/C										
	•	-	-	-	•	•	•	•	•	

This is a roll-up line that contains many different Weapons and Tracked Combat Vehicle items less than \$5 million each. Funds enhance the existing kits within the USMC inventory with improved, state of the art, electronics and tools for units that have been added/changed due to Table of Organizational (TOO) changes and Table of Equipment (TOE) changes. Funds also support the ongoing changes to the various stock lists prescribing those components of sets of test equipment and tools. The funds included in this budget line allow procurement of the following items:

Tank Tools and Test - The tank tools and test program includes miscellaneous tools and test items for the M1A1 tank and associated supporting platforms, and Materiel Fielding Support for the Combined Support Function Module.

Rifle Team Equipment (RTE) - These are principal items procured to replace weapons that have been worn out in service and that are no longer repairable. These items are required to support the Marine Corps shooting teams authorized to compete with other Services in competitive shooting matches.

M249 Squad Automatic Weapon (SAW) - The M249 SAW is a belt-fed, gas operated, air-cooled, automatic, 5.56mm light machinegun. It can be fired from the shoulder, a bipod steadied position, the hand-held position, or from a tripod mounted position. New upgrades to this weapon include a forward pistol grip, collapsible buttstock, improved bipod, improved sling, and a top cover with integrated MIL-STD 1913 rail for mounting day optics, night vision equipment, and laser pointers.

M9 Pistol Modification (9MM Pistol) - The M9 is the current Service Pistol for the Marine Corps. The M9 pistol modification is an upgrade to the existing M9 pistol. The upgrade involves replacing the existing M9 frame with an M9 frame that has an integral M1913 type rail in which to mount the AN/PEQ-6 and related laser aiming devices, infrared and visible light illuminators. Additionally the grip on the frame is slightly slimmer and has checkering both front and back making the frame easier to grip.

		Date:
Exhibit P-40, Budget Item Justification Sheet		February 2006
Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:	
Procurement, Marine Corps (1109) / Weapons and Tracked Combat Vehicles (2)	WE	EAPONS AND COMBAT VEHICLES UNDER \$5M / BLI 222000

Automatic Rifle (AR) - The AR capability desired seeks to enhance the Automatic Rifleman's maneuverability and displacement speed, as well as his ability to more accurately engage point and area targets.

Company and Battalion Mortar - Company and Battalion mortars provide responsive, all-weather, organic, indirect fire support to the company and battalion commanders of the Ground Combat Element in support of offensive and defensive operations and maneuver.

Principal End item (PEI) Reprocurement - The focus of PEI Reprocurement is to support those items that have long since completed their procurement, have no active procurement program for a replacement system, but are still essential to conduct the Marine Corps mission. Items identified for this cycle are: (1) Close Quarter Battle Weapon (CQBW), (2) M249 Squad Automatic Weapon, (3) M2 .50cal Heavy Machine Gun (MG), (4) M240G Medium MG, and (5) M203 40mm Grenade Launcher.

5.56 mm Cartridge Magazines - The magazine holds 30 rounds and serves as the source of ammunition for the Marine Corps Service Rifle and the M4 carbine.

DMR - The Designated Marksman Rifle (DMR) is a Marine Corps designed rifle, custom built at Precision Weapons Sections, Weapons Training Battalion at Quantico, Virginia. It is a modified, 7.62mm, precision grade M-14 rifle. With the Leopold Mark 4 LR/T M3, fixed 10 X 40mm power scope, it has an effective 770 meter range. Its accuracy and lethality provides units operational flexibility during day and night operations.

Grenade Launcher - The M203 is a rifled 40mm grenade launcher, which attaches to the M16A2, M16A4, M4 or M4A1 rifles. It has a maximum effective range of 150 meters at point targets and 350 meters at area targets. The M203 can fire several different types of grenades to include High Explosive (HE), Smoke, Illumination, tactical CS (tear gas), multi-projectile and practice. This procurement was in direct response to FY05 Supplemental Funding.

M2 MG 50 Cal - The M2 .50 caliber Machine Gun, is the heavy machine gun of the Marine Corps. It is an automatic, belt-fed, recoil operated, air-cooled, crew-operated machine gun. The M2 is crew transportable with limited amounts of ammunition over short distances. This gun has a back plate with spade grips, trigger, and bolt latch release. The gun is equipped with a leaf-type rear sight, flash suppressor and a spare barrel assembly. A disintegrating metallic link-belt is used to feed the ammunition into the weapon. This procurement was in direct response to FY05/FY06 Supplemental Funding.

M240 - The M240 is the medium machine gun of the Marine Corps. It is an automatic, 7.62mm, belt fed, gas operated, air cooled, crew-served, fixed head space weapon. This procurement was in direct response to FY05/FY06 Supplemental Funding.

Exhibit P-40, Budget Item Justification Sheet		Date: February 2006
Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:	
Procurement, Marine Corps (1109) / Weapons and Tracked Combat Vehicles (2)	W	EAPONS AND COMBAT VEHICLES UNDER \$5M / BLI 222000

M40A3 - The M40A3 is a Marine Corps designed, bolt-action, 7.62mm sniper rifle. Each M40A3 is custom built at Precision Weapons Section, Weapons Training Battalion, Quantico. The mounting rail allows for attachment of day or night optics. The M40A3 has an effective range of 1,000 yards with the Unertl scope (replacement program ongoing for scopes).

MK 19 - The MK-19 Grenade Launcher is a fully automatic weapon that fires 40mm grenades. The MK19 can be mounted on a tripod or a vehicle swivel point. The weapon delivers accurate, intense, decisive firepower against personnel and lightly armored vehicles by shooting a variety of 40mm grenades. Because of its weight, it is crew transportable only over short distances with limited amounts of ammunition. The MK19-3 shoots a 40mm grenade, which can kill in a 32-foot (5-meter) circle and wound in a 100-foot (30-meter) circle (48 feet). The grenade can penetrate two inches of armor. This procurement was in direct response to FY05 Supplemental Funding.

Mount Flexible MG - This funding will procure M122A1 machine gun tripods to be used with M240B machine guns. This procurement was in direct response to FY05 Supplemental Funding.

Multi Shot Grenade Launcher - The Multi Shot Grenade Launcher will be capable of firing six grenades six rounds of 40mm low-velocity grenade ammunition in a ready-to-fire condition. It will provide user accuracy better than or equal to the M203 40mm Grenade Launcher with leaf sights, and will be capable of firing at a sustained minimum rate of one round per second.

SASR - The M107 Special Application Scoped Rifle (SASR) is a commercial off the shelf .50 caliber sniper rifle, effective up to 2,000 yards.

Track Width Mine Plow - The Track Width Mine Plow Line funded to Upgrade/Refurbishment of the Mine Clearing Blade for the M1A1 Main Battle Tank to IRON to Condition Code 'A'. This procurement was in direct response to FY05 Supplemental Funding.

M82A3 Rifle, Scoped, Special Application - Procurement will actually be for the M107 Special Application Scoped Rifle (SASR), a commercial off the shelf .50 caliber sniper rifle, effective up to 2,000 yards.

Semi-Auto Sniper Weapons - This program will procure a gas-operated weapon that would supplement the M-40 and 50 cal SASR to allow snipers to engage targets quickly and effectively.

Rifle Bipod - The current requirements call for the procurement of the "Grippod" integrated front handgrip/bipod for the M16A4 and M4 service rifle and carbine.

Carabiner Stubi 85 - Hardware utilized by the fleet for use in rappelling and Special Purpose Insertion and Extraction (SPIE) Systems.

Suppressors - M16, M249, M-9 & M240G - Suppression of sound and flash signatures for various weapons is required in the implementation of Distributed Operations concepts. Various suppressor makes and models will be procured to fit the variety of platforms.

FY 06 Title IX Funds: \$90.0M

FY05 Supplemental Funding Received: \$28.8M

Exhibit P-40a, Budg	et Ite	m Justificat	ion for A	ggregate	d Items	Date:	ı	February 2006	
Appropriation / Budget Activity Procurement, Marine Corps (1109) / Weapons and Trac	ked Com	nbat Vehicles (2)			P-1 Item Nome	EAPONS AND C	OMBAT VEHICLES	UNDER \$5M / BLI 222000	
Procurement Items	Code	Prior Years	FY 2005	FY 2006	FY 2007			To Complete	Total Prog
Tank Tools and Test	Α	0.4	0.2	0.2	0.2			Cont	Cont
Rifle Team Equipment (RTE)	Α	0.1	0.1	0.1	0.1			Cont	Cont
M9 Pistol Modification	Α	3.7	1.9	2.1	0.0			0.0	7.7
Automatic Rifle	Α	0.0	0.0	0.0	1.4			Cont	Cont
5.56 Cartridge Magazines	Α	0.0	0.5	0.0	0.0			0.0	0.5
DMR	Α	0.0	0.1	0.0	0.0			0.0	0.1
Grenade Launcher	Α	0.0	1.5	4.2	0.0			0.0	5.8
M40A3	Α	0.0	0.3	0.0	0.0			0.0	0.3
Multi Shot Grenade Launcher	Α	0.0	1.7	0.0	0.0			0.0	1.7
SASR	Α	0.0	0.2	1.0	0.0			0.0	1.2
Track Width Mine Plow	Α	0.0	0.4	0.0	0.0			0.0	0.4
M82A3 Rifle, Scoped, Special Application	Α	0.0	0.1	0.0	0.0			0.0	0.1
Semi-Auto Sniper Weapons	Α	0.0	2.8	0.0	0.0			0.0	2.8
Mount Flexible MG	Α	0.0	0.4	0.4	0.0			0.0	0.8
Tota		4.2	10.3	8.1	1.8				

							Date:				
Exhibit P-40a, Bu	dget Ite	em Justificat	ion for Ag	gregated	l Items				February	2006	
Appropriation / Budget Activity					P-1 Item Nomen	clature:					
Procurement, Marine Corps (1109) / Weapons and	Tracked Cor	mbat Vehicles (2)				WE	EAPONS AND C	OMBAT VEHIC	LES UNDER \$5	M / BLI 222000	
Procurement Items	Code	Prior Years	FY 2005	FY 2006	FY 2007					To Complete	Total Prog
Rifle Bipod	Α	0.0	0.0	2.2	0.0					0.0	2.2
PEI Reprocurement	Α	0.0	0.0	4.1	4.8					Cont	Cont
Carabiner Stubi 85	А	0.0	0.0	0.1	0.0					0.0	0.1
Pistol, 9MM, Semiautomatic	Α	0.0	0.0	0.6	0.0					0.0	0.6
Other Prior Year	A	6.2								0.0	6.2
Outer Filor Fear	Λ	0.2								0.0	0.2
Totals for P40a page	e 2	6.2	0.0	7.0	4.8						
Totals for P40a page Totals for E		4.2 10.4	10.3 10.3	8.1 15.1	1.8 6.6						

Exhibit P-5, Weapon		Appropriation/ Budge	et Activity/Serial	No:	P-1 Line Item Nom	enclature:		Weapon System	Type:	Date:	
WPN SYST Cost Analysis		Procurement, Marin and Tracked	e Corps (1109) / Combat Vehicles			COMBAT VEHIC 5M / BLI 222000	LES UNDER			February	2006
Weapon System	ID	PYs		FY05			FY06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Suppressors - M16, M249, M-9, M240G						5900	VAR	VAR			
M249 SAWs		10800	5676	1497	3792	1430	377	3793			
SAW Top Covers			490	1032	475						
M249 Improved Bipod Assembly			318	2883	110						
Eng/Log Support			91								
M249 Upgrades (Supplemental)						5333	Var	Var			
M2 Machine Guns			7001	337	20776	16650	740	22500			
Eng/Log Support			16			1950					
M240 Machine Guns			7935	1127	7038	12818	1549	8273	2128	257	8273
M240 Machine Gun Conversion Kits			3390	4237	800						
M122 Tripod Conversion Kits			941	5100	185						
Eng/Log Support			450			1424			236		
MK 19 Machine Guns			2986	146	20452	23003	1119	20557			
MK 19 Machine Gun Modification Kits			3427	4023	852						
Eng/Log Support			300			2752					
Company and Battalion Mortars											
60mm Mortars			4189	78	53705	6821	127	53709			
81mm Mortars			1560	26	60000	3600	60				
Mortar System Components		100	2422	Var	Var	1458	Var	Var			
Eng/Log Support			240			1181					
TOTAL		10900	41432			84320			2364		
Active		10900	41432			84320			2364		
Reserve											

								Date:		
	bit P-5a, Budget Procurement							I	February	2006
Appropriation / Budget Activity/Serial No:		Weapon Syst	• •		P-1 Line Item	Nomenclature): -			
Procurement, Marine Corps (1109) / Weapons	and Tracked Combat Vehicles (2)	WEAPONS A	AND COMBAT VEHICLES UNDER / BLI 222000	\$5M		WEAPONS A	ND COMBAT VEHI	CLES UN	DER \$5M	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issu Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
EVOS MO 40 OANA	EN Manufacturing Octobritis CO		D'actions Assessed	0-4-05	M 00	4.407	0700	V	N1/A	N1/A
FY05 - M249 SAWs	FN Manufacturing, Columbia, SC	FP	Picatinny Arsenal	Oct-05	Mar-06	1497	3792	Yes	N/A	N/A
FY05 - SAW Top Covers FY05 - M249 SAW Bipods	FN Manufacturing, Columbia, SC TBD	FP FP	TACOM Rock Island Picatinny Arsenal	Feb-06 Apr-06	Jan-07 Dec-06	1032 2883	475 110	Yes Yes	N/A N/A	N/A N/A
FY06 - M249 SAWs	FN Manufacturing, Columbia, SC	FP	TACOM Rock Island	Jun-06	May-07	377	3793	Yes	N/A	N/A
F100 - 101249 SAVVS	Fix Manufacturing, Columbia, SC	FF	TACOIVI ROCK ISIAITU	Juli-06	iviay-07	311	3/93	165	IN/A	IN/A
FY05 - M2 Machine Guns	Gen Dynamics, Burlington, VT	FP	TACOM Rock Island	Aug-05	Dec-05	337	20776	Yes	N/A	N/A
FY06 - M2 Machine Guns (Enhanced)	Gen Dynamics, Burlington, VT	FP	TACOM Rock Island	Jun-06	Dec-06	740	22500	Yes	N/A	N/A
FY05 - M240 Machine Guns	FN Manufacturing, Columbia, SC	FP	TACOM Rock Island	Sep-05	Feb-06	805	7038	Yes	N/A	N/A
FY05 - M240 Machine Guns	FN Manufacturing, Columbia, SC	FP	TACOM Rock Island	Apr-06	Jul-07	322	7038	Yes	N/A	N/A
FY05 - M240 Machine Gun Conversion Kits	FN Manufacturing, Columbia, SC	FP	TACOM Rock Island	Jan-06	Jun-06	4237	800		N/A	N/A
FY05 - M122 Tripod Conversion Kits	Mfg Support Industry, MD	FP	TACOM Rock Island	Sep-05	Jul-06	5100	185	Yes	N/A	N/A
FY06 - M240 Machine Guns	FN Manufacturing, Columbia, SC	FP	TACOM Rock Island	Apr-06	Jul-07	1549	8273	Yes	N/A	N/A
FY07 - M240 Machine Guns	FN Manufacturing, Columbia, SC	FP	TACOM Rock Island	Jan-07	Apr-08	257	8273	Yes	N/A	N/A
FY05 - MK 19 Machine Guns	Gen Dynamics, Burlington, VT	FP	Picatinny Arsenal	Sep-05	Jun-07	146	20452	Yes	N/A	N/A
FY05 - MK 19 Machine Gun Modification Kits	Gen Dynamics, Burlington, VT	FP	Picatinny Arsenal	Sep-05	Apr-06	4023	852	Yes	N/A	N/A
FY06 - MK 19 Machine Guns	Gen Dynamics, Burlington, VT	FP	Picatinny Arsenal	Apr-06	Jul-07	1119	20557	Yes	N/A	N/A
FY05 - 60mm Mortars	TBD	FP	Picatinny Arsenal	Feb-06	Dec-06	78	53705		N/A	N/A
FY05 - 81mm Mortars	TBD	FP	Picatinny Arsenal	Feb-06	Nov-06	26	60000	Yes	N/A	N/A
FY06 - 60mm Mortars	TBD	FP	Picatinny Arsenal	Jun-06	Feb-07	127	53709	Yes	N/A	N/A
FY06 - 81mm Mortars	TBD	FP	Picatinny Arsenal	Jun-06	Feb-07	60	60000	Yes	N/A	N/A
REMARKS:										

FY 07 BUDGET EXHIB	IT P-21, PRODUCTI	ON S	CHE	DULE																Date				F	ebru	ary 2	006				
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M249 SAW		05	MC	1497		1497													Α					40	40	40	40	40	40	40	121
SAW Top Covers		05	MC	1032		1032																	Α					Ш			103
M249 SAW- Bipods		05	MC	2883		2883																			Α			Ш	_		288
M249 SAW		06	MC	377		377																					Α	Ш	_		377
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M249 SAW		05	MC	1497	280	1217	40	100	200	200	200	200	36	241															寸		
SAW Top Covers		05	MC	1032		1032				258	258	258	258																T		
M249 SAW- Bipods		05	MC	2883		2883			200	200	200	200	200	200	200	200	200	200	200	200	483										
M249 SAW		06	MC	377		377								94	94	94	95														

FY 07 BUDGET EXHIBIT P-2		N S	CHEC	ULE																Date	:			I	Febru	ary 2	2006				
Appropriation Code/CC/BA/BSA/Item Procurement, Marine Corps (1109) /	Control No.						Wea M2	MG	50 (Cal				P-1		APC	NS	ANI					HICL	_ES	UNI	DER	\$51	И / E	3LI 2	220	00
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M2 MG 50 Cal (Cont.)		06	MC	740		740			50	50	50	50	50	50	50	50	100	100	100	40											
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FY 07 BUDGET EXHIBIT	P-21, PRODI	UCTIC)N 50	CHEDU	JLE															Date	•				Febr	uary 2	2006				
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Procurement, Marine Corps (1109)) /						M24								W	EAP	ONS	AN 8	ND C	OM	BAT	VEI	HICI	LES	UNI	<u> JER</u>	\$5N	<u>1 / Bl</u>	LI 22	200	0
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M240	FN Manufac	cturing L	LC, Col	umbia, S0)		5	50	1	00	2	250					11			5						•	16		E		
M240 Machinegun Conversion Kits	FN Manufac	cturing L	LC, Col	umbia, S0)		1	00	1	75	2	250					6						15			1	21		E		
M122 Tipod Conversion Kits	MFG Suppo	ort Indus	try, INC				5	50	7	75	3	300																	1		
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ITEM		'	С	Υ	L	L	Т	V	С	N	В	R	R	Υ	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	Р	
M240		05	MC	805		805												Α					25	50	100	100	100	100	135	61	13
M240		05	MC	322		322																			Α				1		32
M240 Machinegun Conversion	Kits	05	MC	4237		4237																Α					250	250	250	250	32
M122 Tripod Conversion Kits		05	MC	5100		5100												Α										100	100	100	480
M240		06	MC	1549		1549																			Α						15
M240		07	MC	257		257																				<u> </u>	<u> </u>	上	<u> </u>	<u> </u>	25
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FY 07 BUDGET EXHIBIT P-2	1, PRODUCTION	ON S	CHE	DULE																Date):				Febru	arv o	വെട				
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MK 19 Machine Gun Modification	on Kits	05	MC	4023		4023												Α							4023						
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FY 07 BUDGET EXHIBIT P	-21, PRODUCTION	ON S	CHEC	ULE																Date	e :				Febru	ary 2	.006				
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81mm Mortar		05	MC	26		26		26																			Ш				
60mm Mortar		06	MC	127		127					20				20	27												<u> </u>	<u> </u>		
81mm Mortar		06	MC	60		60					20	20	20														Ш	<u> </u>	<u> </u>		
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	Exhibit P-	40, Budget Item Just	ification Sh	eet		Date:		February 200	6	
Appropriation / Budget Activity	/Serial No: 109) / Weapons and Combat Vehicles (2)			P-1 Item Nomencl	ature:	M	odular Weapon Sys	tem		
Program Elements for Code B	, , ,	Code:	Other Related	Program Elements:						
	Prior Years	FY 200	5 FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty	46870									46870
Gross Cost	41.7	27.0	22.4	0.0	0.0	0.0	0.0	0.0	0.0	91.0
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	41.7	27.0	22.4	0.0	0.0	0.0	0.0	0.0	0.0	91.0
Initial Spares		0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.6
Total Proc Cost	41.7	27.0	22.7	0.3	0.0	0.0	0.0	0.0	0.0	91.6
Flyaway U/C										
Wpn Sys Proc U/C										0.0

Modular Weapon System

The Modular Weapon System (MWS) is a program consisting of two main variants of the M16 Family of Rifles. They are the M16A4 rifle and the M4/M4A1 carbine. The MWS consists of a rifle/carbine that has been modified by building into the design a military-standard rail in place of the integral carry handle/sight to permit quick mounting of various night/day/thermal sights. Additionally, hand guards with rails are attached to the barrel assembly to mount various accessories such as a modified M203 grenade launching system, flashlights and infrared (IR) laser pointers and other such devices. The MWS reduces the number of components required to attach accessories and allows configuration management at the operator level vice the current second and third echelons of maintenance. Recent decisions by the Commandant of the Marine Corps (CMC) and the Ground Board have concluded that the USMC will procure both variants (M16A4 rifle and M4/M4A1 carbine) of the Modular Weapon System.

FY05 Supplemental Funding Received: \$14.6 M

Exhibit P-5,		Appropriation/ Budget A	ctivity/Serial No:	P-1 Line Item Nome	nclature:			Weapon System Typ	pe:	Date:	
Cost Analysis		Procurement, Marine C and Combat	orps (1109) / Weapons Vehicles (2)		Modular W	eapon System				Februa	ry 2006
Weapon System	ID	PYs		FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Modular Weapon System		5400									
M16A4 Rifles with Rail Adapter System (RAS)		33658	3333	4000	833	13557	12800	1059			
M4 Carbines with RAS		2381	6719	4903	1370	8793	6349	1385			
M4 Carbines with RAS - additional		0	1399	1000	1399						
M203 Quad and Leaf Sight		236	344	2664	129						
Sopmod Kits			600	591	1017						
Modular Weapons System (GWOT)											
M16A4			334	389	859						
M4			6880	5021	1370						
M4A1 CQBW			282	200	1410						
Modular Weapons System Supplemental											
M4			3169	2429	1305						
Leaf sights			249	1930	129						
Sopmod Kits			868	853	1017						
Copiliod Mile			000	000	1017						
FSRG Mod Weapons Supplemental											
M16A4			1206	1407	857						
M4			685	525	1305						
M4A1 CQBW			179	135	1326						
Prog Mgt Costs / Prod Eng Fees			149								
Special Operations Program Mod Kit			582	572	1017						
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TOTAL		41675	26978			22350			0		
ACTIVE		41675	26978			22350			Ĭ		
RESERVE		710/3	20970			22330					
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Evhihi	t P-5a, Budget Procurement H	listory and	d Planning					Date:		0000
Appropriation / Budget Activity/Serial No:	t F-5a, Budget Frocurement n	Weapon Syst			D 1 Line Item	Nomenclature:		F	ebruary	2006
Procurement, Marine Corps (1109) / Weapons	s and Combat Vehicles (2)	weapon oyst	еш туре.		F-1 Line item		Modular Weapon S	/stem		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issu Date
Fiscal Years		and Type			Delivery	Each	\$	7110111	Avail	
Modular Weapon System										
M16A4 Rifle w/ Rail Adapter System (RAS)										
FY05 - Core	F N Manuf., Inc, Columbia, SC.	SS/FFP	TACOM, Rock Island, IL	Mar-05	Apr-05	4000	833	Yes	N/A	N/A
FY05 - GWOT	F N Manuf., Inc, Columbia, SC.	SS/FFP	TACOM, Rock Island, IL	Sep-05		389	859	Yes	N/A	N/A
FY05 - Supplemental / FSRG	F N Manuf., Inc, Columbia, SC.	SS/FFP	TACOM, Rock Island, IL	Sep-05	Sep-06	1407	857	Yes	N/A	N/A
FY06 - Core	TBD	SS/FFP	TACOM, Rock Island, IL	Jun-06	May-07	12800	1059	Yes	N/A	N/A
M4 Carbines w/Rail Adapter System (RAS)										
FY05 - Core 1	Colt Defense, Hartford, CT.	SS/FFP	TACOM, Rock Island, IL	May-05	Jun-05	4903	1370	Yes	N/A	N/A
FY05 - Core 2	Colt Defense, Hartford, CT.	SS/FFP	TACOM, Rock Island, IL	Apr-05	Oct-05	1000	1399	Yes	N/A	N/A
FY05 - GWOT	Colt Defense, Hartford, CT.	SS/FFP	TACOM, Rock Island, IL		Aug-05	5021	1370		N/A	N/A
FY05 - Supplemental	Colt Defense, Hartford, CT.	SS/FFP	TACOM, Rock Island, IL		May-06	2429	1305		N/A	N/A
FY05 - Suppl / FSRG	Colt Defense, Hartford, CT.	SS/FFP	TACOM, Rock Island, IL	_	Aug-06	525	1305		N/A	N/A
FY06 - Core	Colt Defense, Hartford, CT.	SS/FFP	TACOM, Rock Island, IL	_	Sep-06	6349	1385		N/A	N/A
M4A1 Carbines-Close Quarter Battle Weapon (CQBW)										
FY05 - GWOT	Colt Defense, Hartford, Ct	SS/FFP	TACOM, Rock Island, IL	Mar-05	Aug-05	200	1410	Yes	N/A	N/A
FY05 - Supplemental / FSRG	Colt Defense, Hartford, Ct	SS/FFP	TACOM, Rock Island, IL	Jul-05	Dec-05	135	1326		N/A	N/A
Special Operations Program Mod Kit	Naval Surface Warfare Center	SS/FFP	Crane, IN	various	Aug-06	2016	1017	Yes	N/A	N/A
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All Sopmod kits completed in one procurement.

FY 07 BUDGET EXHIBIT	P-21, PRODUC	TION	SCH	EDULE																Date:				Fe	ebruary	2006	i			
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	<u> </u>							PR	ODUC	TION F	RATE					PROC	UREM	ENT L						Т						
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M16A4 Rifle	FN Manufact	uring Ir	nc Colu	mhia SC			40	00	15	500	30	200		OCI I			11			12	•		9			23		month		<u> </u>
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M16A4 Rifle - GWOT		05	MC	389		389												Α						\neg		\top		389		1
M16A4 Rifle - Suppl/FSRG		05	MC	1407		1407												Α											407	100
M16A4 Rifle - Core		06	MC	12800		12800																				Α				128
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M16A4 Rifle - GWOT		05	MC	389	389																			_		<u> </u>				
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M4 Carbine Core 2)5 M			1000							Α	<u> </u>	000	2000	2000	100		422											+
M4 Carbine GWOT)5 M			5021						Α					1564	2105	1352												+
M4 Carbine Supplemental)5 M			2429											A									429	1000	1000			T
M4 Carbine Supp / FSRG)5 M			525										1	Α												525		1
M4 Carbine Core 1)6 M			6349															Α									1500	0 48
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		Y		E L	A L	C	0 V	E C	A N	E B	A R	P R	A Y	U N	U	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E	i
ITEM						'	V	C	IN	ь	K	K	ľ	IN		G	Р		V	C	IN	ь	ĸ	ĸ	Ť	N		G	Р	
M4 Carbine Core 1)5 M																												
M4 Carbine Core 2)5 M		1000																										
M4 Carbine GWOT)5 M		5021																										_
M4 Carbine Supplemental)5 M						ļ							ļ															┷
M4 Carbine Supp / FSRG		05 M		525 1500	4849	1500										ļ														
M4 Carbine Core 1																														

	Exhibit P-	40, Budget Item Justif	ication Sheet			Date:		February 200	6	
Appropriation / Budget Activity	/Serial No:			P-1 Item Nomencia	iture:					
Procurement, Marine Corps (1	1109) / Weapons and Combat Vehicles (2)						MODIFICATION KIT	S		
Program Element:		Code:	Other Related Pro	gram Elements:						
0206211	1M Divisions (Marine)	А								
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty										
Gross Cost	0.0	0.0	19.1	9.0	9.0	8.9	9.1	9.3	Cont	Cont
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	0.0	0.0	19.1	9.0	9.0	8.9	9.1	9.3	Cont	Cont
Initial Spares	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Total Proc Cost	0.0	0.0	19.1	9.0	9.0	8.9	9.1	9.3	Cont	Cont
Flyaway U/C										•
Wpn Sys Proc U/C										•

INFANTRY WEAPONS MODIFICATIONS: This line item is a roll-up program for supporting the enhancement of small arms equipment/systems. These efforts also address emerging requirements and provide support for investigating safety issues that arise.

M1A1 MOD KITS: The M1A1 Mod Kit Line is established to sustain the technology of the M1A1 Tank and other supporting platforms including Support and Test Equipment while addressing equipment deficiencies and obsolete components. Funding will procure and field modifications, upgrade the MLC-60 Scissor Bridge to a 70-ton class bridge, and upgrade/replace Special Purpose Test Equipment associated with the M1A1 Tank.

MK19 MOD KITS: The MK19 Modification Kit will provide increased performance and improved operator safety. This kit includes modifications that incorporate a mounting bracket that makes it possible to attach optics. The MK19 Modification Kit includes: (1) Base Bracket, (1) Firing Pin, (1) Sear Firing Pin, (1) Cam cocking, (1) Lever Cocking, (5) Screws, and (1) Secondary Drive Lever.

TANK SAFETY MODS: The Tank Safety Mod Line is established to procure and field critical safety related modification kits. Funding will provide replacements for faulty designs, design enhancements, and other safety related issues that arise during operational scenarios.

AN/PVS-10: The AN/PVS-10 (V) 2 Sniper Night Sight is an integrated day/night sniper rifle sight. The AN/PVS-10 (V) 2 eliminates the need for separate optical sighting systems for day and night operation, and the requirement to re-zero the sight when changing from day to night or vice versa.

IMPROVED RECOVERY VEHICLE: Procure 2 additional Recovery Vehicles, associated technical support, and logistics spares package.

VELOCITY SYSTEM, MUZZLE (MVS): The MVS is a lightweight, state-of -the-art radar designed for employment with field artillery units. The system uses the Doppler principle in conjunction with Digital Signal Processing (ENP) to measure weapon muzzle velocities and automatically correct them for non-standard conditions. The Muzzle Velocity System will interface with the M-198, 155mm Howitzer and may be used as an enhancement to the M-777 light Weight, 155mm Howitzer.

Congressional Add: \$1.0M for MK 19 Mod Kits

FY 2006 Title IX Funding is \$8.0M. Those funds will be used for the AN/PVS - 10 (\$1.335M), Improved Recovery Vehicle (\$5.565M), and the Muzzle Velocity System (\$1.1M)

BLI 206100 Modification Kits is a consolidation of BLI 206300 Modification Kits (Armor and Fire Support) and BLI 220900 Modification Kits (Infantry Weapons) beginning in FY06

Exhibit P-40a, Budget	Item Ju	ustifi	cation for	Aggregat	ed Items			Date:	Febi	ruary 2006		
Appropriation / Budget Activity						P-1 Item Nomeno	clature:			-		
Procurement, Marine Corps (1109) / Weapon	ns and Comb	at Vehi	cles (2)						MODIFICATION	N KITS		
Procurement Items	Code	UOM	Prior Years	FY 2005	FY 2006	FY 2007					To Complete	Total Prog
INFANTRY WEAPONS MODIFICATIONS	Α	D	0.0	0.0	3.3	3.0					Cont	Cont
		Q	VAR	VAR	VAR	VAR						
M1A1 MOD KIT	Α	D	0.0	0.0	3.7	2.7					Cont	Cont
		Q	VAR	VAR	VAR	VAR						
		_	0.0		4.0	2.0						
MK19 MOD KITS	A	D Q	0.0	0.0	1.0 VAR	0.0					0.0	0.0
		Q			VAR							
TANK SAFETY MODS	A	D	0.0	0.0	3.1	3.3					Cont	Cont
TAUR ON ETT MODE		Q	VAR	VAR	VAR	VAR						
AN/PVS-10	А	D	0.0	0.0	1.3	0.0					0.0	0.0
		Q			VAR							
VELOCITY SYSTEM	А	D	0.0	0.0	1.1	0.0					0.0	0.0
		Q			VAR							
То	tals		0.0	0.0	13.5	9.0						
												

Exhibit P-5, Weapon		Appropriation/ Bu					m Nomenclature:			Weapon System	Туре:	Date:	
WPN SYST Cost Analysis		Procurement,	Marine Cor Comb	ps (1109) / Weapo at Vehicles (2)	ons and Tracked		ATION KITS (ARI	MOR AND FIRE S					ruary 2006
Weapon System	ID					FY 05			FY 06	='		FY 07	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCo
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
11A1 TANK MODS													
MPROVED RECOVERY VEHICLE								4464	2	2232000			
ITEGRATED LOGISTICS SUPPORT								1101					
TEGRATED LOGISTICS SUPPORT								1101					
TOTAL Active Reserve								5565 5565					

								Date:		
	Exhibit P-5a, Budget Procureme							Fe	ebruary	2006
Appropriation / Budget Activity/Serial No:		Weapon Syst	tem Type:		P-1 Line Item	Nomenclature	e:			
Procurement, Marine Corp	os (1109) / Weapons and Combat Vehicles (BA-02)					RECO	VERY VEHICLE, F	Γ, W/HEA	VY	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date		QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
FY06	TACOM, WARREN, MI	FFP	MARCORSYSCOM, Quantico	Apr-06	Feb-07	2	2232000	N/A	N/A	N/A
REMARKS:										

FY 07 BUDGET EXHIBIT P-21	, PRODUCTI	ON S	CHE	DULE																Date	9:				Febr	ıarv '	2006				
Appropriation Code/CC/BA/BSA/Item Corocurement, Marine Corps (1109) / W		COMB	AT VEI	HICLES	(BA-02)		Wea	pon :	Syste	em				P-1	Item	Nom	encla		ECO	VEF	RY \	/EH	ICL								
, , , , , , , , , , , , , , , , , , , ,					(- /		PF	ROD	UCT	ION	RA	ГΕ			PF	ROC	URE							_, -	T	.,		<u> </u>		_	_
TEM	Manufacturer's NA	AME / LO	CATION					SR		ON		ΑX		T P	rior	ΑL	T Af	ter	I	nitia ig Pl	ıl	R	eord			то	TAL		Uni Me:	t of asur	e
RECOVERY VEHICLE, FT, W/HEAVY	TACOM, WARI	REN, M	l					1	2	2	4	1					6			10							16		Е		
																													E		_
						Г	<u> </u>				L.,		Ļ												<u> </u>				Щ		_
										Fi	scal	rear	05	Cal	onde.	r V~	ar 05						FI		Year Calen		/oor	ne .	—	_	E A L
		I			1	I	Г						1			rea					1		l				ear		$\overline{}$	\vdash	Ā
TEM		F Y	S V C	Q T Y	D E L	B A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N N	J J	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	A Y	J U N	J J	A U G	S E P	
RECOVERY VEHICLE, FT, W/HE	AVY	6	МС	2		2																			Α						
		I			1		1			Fi	scal	Year	07								<u> </u>		Fi	scal	Year	08	<u> </u>		—	\dashv	E
														Cale	enda	r Yea	ar 07							C	Calen	dar `	′ ear	08			ı
ITEM		F Y	8 V C	Q T Y	D E L	B A L	O C T	N 0 V	DEC	JAN	FEB	M A R	A P R	M A Y	ZCL	JUL	A U G	A E S	0 C T	< 0 z	DEC	JAN	F E B	M A R	A P R	M A Y	JUN	J	A U G	SEP	
RECOVERY VEHICLE, FT, W/HE	AVY	6	MC	2		2					2																				
																												L			
																												F	F		
REMARKS:					-	-								•				· ·													

	Exhibit P-4	10, Budget Item Just	ification She	eet		Date:		February 200	6	
Appropriation / Budget Activity/Seria	al No:			P-1 Item Nomenclat	ure:					
Procurement, Marine Corps (1109)	/ BA2 - Weapons and Combat Vehicle	s				WEAPO	NS ENHANCEMENT	PROGRAM		
Program Element:		Code:	Other Related Progr	ram Elements:						
0206211M Di	ivisions (Marine)	А								
	Prior Years*	FY 2005*	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty										
Gross Cost	0.0	0.0	5.1	17.1	15.9	23.7	23.6	24.0	Cont	Cont
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	0.0	0.0	5.1	17.1	15.9	23.7	23.6	24.0	Cont	Cont
Initial Spares	0.0									
Total Proc Cost	0.0	0.0	5.1	17.1	15.9	23.7	23.6	24.0	Cont	Cont
Flyaway U/C										
Wpn Sys Proc U/C										

The Family of Marine Enhancement Programs (MEP) is a Congressionally initiated program that provides an avenue for obtaining equipment and end items that would otherwise be considered low visibility, low cost items. It focuses on the equipment that will benefit the individual Marine by reducing the load, increasing survivability, enhancing safety and improving combat effectiveness. The emphasis of this program is on Non-Developmental Items (NDI) and commercially available items which can be quickly evaluated and fielded. This program is coordinated with the Army's Soldier Enhancement Program and the Special Operations Command.

Operations Other Than War (OOTW) funding line is the Marine Corps' "procurement tail" for the Non-Lethal Weapons (NLW) R&D Program. Per DoD direction, the Commandant of the Marine Corps is the Executive Agent for the Joint NLW Program and manages the NLW R&D funding through the JNLW Directorate. The JNLW Directorate then apportions RDT&E funds to each Service as appropriate. As a separate effort, the Marine Corps is responsible for obtaining and providing for its own procurement funding. This funding line is a roll-up of separate NLW procurements to include the following:

Full Spectrum Battlefield Equipment (FSBE): FSBE was designed to replace the old Close Quarters Battle (CQB) suite of equipment and to address the needs of Marines performing Special Operations Capable missions in Maritime Special Purpose Force (MSPF) (i.e. MSPF detachment and helicopter assault company). Less weight, increased positive buoyancy, spare air source, and a cutaway system are all desired quality changes.

*NOTE: BLI 221100 Marine Enhancement Program and BLI 237100 Operations Other Than War were consolidated into a new BLI 220800 Weapons Enhancement Program, beginning in FY06.

Exhibit P-40a	, Budget Iter	m Justifica	tion for A	Aggregate	ed Items			Date:	F	February 200	6
Appropriation / Budget Activity						P-1 Item Nomeno					
Procurement, Marine Corps (1109) / BA2 - Weapons ar	nd Combat Vehicle	s				WE	APONS ENHAN	NCEMENT PRO	GRAM	
Procurement Items	Code	Prior Years*	FY 2005*	FY 2006	FY 2007					To Complete	Total Pro
OPERATIONS OTHER THAN WAR	Α	0.0	0.0	1.4	1.6					Cont	Cont
	Totals	0.0	0.0	1.4	1.6					Cont	Cont

Exhibit P-5, Cost Analysis		Appropriation/Be Procurement, Me and Tracked Co	arine Corps (1109)/\		P-1 Line Item Nomer Weapons Er	nclature: nhancement Pro	ogram	Weapon System ⁻	Туре:		uary 2006
Weapon System	ID			FY 05			FY 06			FY 07	
Cost Elements	CD		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
			\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Marine Enhancement Program	Α					3623	VAR	VAR	5251	VAR	VAR
Full Spectrum Battlefield Equipment*Platoon Kit (Configuration A)Individiual Kit (Configuration A)	A								1378 8856	44 820	31318 10800
TOTAL Active Reserve *The Full Spectrum Battlefield Equipment has						3623 3623			15485 15485		
2 variants (Individual & Platoon), both of which have 3 configurations.											

								Date:		
Exhib	oit P-5a, Budget Procuremer	nt History and	Planning					ı	ebruary 2	006
Appropriation / Budget Activity/Serial No:		Weapon System Type:			P-1 Line Item	Nomenclature	:			
Procurement, Marine Corps (1109) / Weapons and T	racked Combat Vehicles (2)	Weapons	s Enhancement Program		V	WEAPONS EN	HANCEMENT PRO	GRAM / E	BLI 220800	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
	Defense Logistics Agency. Phil PA Defense Logistics Agency. Phil PA	Milstrip Req Milstrip Req	Defense Supply Center, Philadelphia, PA Defense Supply Center, Philadelphia, PA	Jan-07 Jan-07	Jun-07 Jun-07	44 820	31318		N/A N/A	N/A N/A

FY 07 BUDGET EXHIBIT P-21	I, PRODUCTI	ION S	SCHE	DULE																Date:					Februa	arv 200	16				
Appropriation Code/CC/BA/BSA/Item C Procurement, Marine Corps (1109) /	Control No.						Weap	on Sys	tem					P-1 Ite	m Non	nenclat	ture:	WEA	PON	S ENI	HANC	EME	NT PF	ROGI				0			
							PRC	DUC	ΓΙΟΝ Ι	RATE	(See N	Note)				PR	OCUF								<u> </u>			_			
ITEM	Manufacturer's NAME	IE / LOCA	ATION					SR		CON		AX		Γ Prio Oct 1		ALT	After	Oct 1	Initia	l PLT	Mfg	Reo	rder PLT	Mfg		TO	TAL		Unit of Meas		
Platoon Kit Configuration A)	The Resource Cer	nter (TR	RC, form	nerly NISH),	Jamestov	vn, NY		2		2		9					4			5			5				9		EACH		
Inividual Kit (Configuration A)	The Resource Cer	nter (TR	RC, form	nerly NISH),	Jamestov	vn, NY	5	50	5	50	2	00					4			5			5				9		EACH		
	•										Fisca	ıl Year	05										ı	Fiscal	Year 0	6					B A L
											ı			Ca	alenda	r Year	05								Caler	ndar Ye	ear 06	_			
ITEM		F Y	S V C	Q T Y	D E L	B A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N O	U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N N	J L	A U G	S E P	A N C E
	1.	E) (0.7		44		44																							\vdash		
Platoon Kit (Configuration A)	-		MC																										$\vdash \vdash$		44
Individual Kit (Configuration A)	I	FY07	MC	820		820																							—'		820
																													igsqcut		
											Fisca	l Year	07										- 1	Fiscal	Year 0	В					B A L
											1			Ca	alenda	r Year	07		1				1		Caler	ndar Ye	ear 08				A N
		F Y	S V	Q T	D E	B A	O C T	N O V	D E C	J	F	M	A P R	M A Y	J	Ŋ	A U	S E P	O C T	N O V	D E C	J	F E B	M	A P	M	J	J	A U G	S E	C E
ITEM		Y	Ċ	Ý	Ĺ	Ĺ	Ť	v	Ċ	A N	E B	A R	R	Ÿ	U N	Ĺ	Ğ	P	Ť	V	Ċ	A N	В	A R	R	A Y	U N	L	Ğ	P	
Platoon Kit (Configuration A)	1	FY07	МС	44		44				Α					4	4	4	4	4	4	4	4	4	4	4				<u> </u>		
Individual Kit (Configuration A)		FY07	МС	820		820				Α					75	75	75	75	75	75	75	75	75	75	70				<u> </u>		
REMARKS: TRC (formely known as N	ISH) is the integra	ator of	this sy	stem. The	e Produc	tion Rates	depicte	ed are I	oased	on histo	orical d	eliverie	s which	are dr	iven by	the co	ompone	ent ven	dors ab	ility to p	oroduc	e desig	nated i	items (30+ cor	nponer	nts w/ 5	+ vend	ors)		

		Exhibit P-40, Budget I	tem Justifica	tion Sheet			Date:		February 2006		
Appropriation / Budget Activity/Serial	No:				P-1 Item Nomenclatur	re:					
Procurement, Marine Corps (1109) / I	BA2 - Weapons and Combat Vehi	cles					OPERATIONS	OTHER THAN WAR	/ BLI 237100		
Program Element:			Code:	Other Related Progra	m Elements:						
0206211	1M Divisions (Marine)		А								
	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty											
Gross Cost	10.1		27.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.6
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	10.1		27.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.6
Initial Spares											
Total Proc Cost	10.1		27.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.6
Flyaway U/C											
Wpn Sys Proc U/C											

The **Operations Other Than War (OOTW)** funding line is the Marine Corps' "procurement tail" for the Non-Lethal Weapons (NLW) R&D Program, C2319. Per DoD direction, the Commandant of the Marine Corps is the Executive Agent for the Joint NLW Program and manages the NLW R&D funding through the JNLW Directorate. The JNLW Directorate then apportions RDT&E funds to each Service as appropriate. As a separate effort, the Marine Corps is responsible for obtaining and providing for its own procurement funding. This funding line is a roll-up of separate NLW procurements to include the following:

Non-Lethal Weapons Capability Sets - NLW Capability Sets are specifically designed to support a 200-man Marine Infantry Company. Items within the sets are procured from the commercial law enforcement market.

Anti-Terrorism/Force Protection (AT/FP) Checkpoint Sets - The AT/FP Checkpoint sets are fielded to operational forces and installations in order to provide an enhanced checkpoint and vehicle search capability. These sets are now included in the NLW Capability Sets.

Render Personnel Incapable OIF - Analysis/fielding of electro-muscular disruption technology.

FY05 Supplemental Funding Received: \$32.3M

NOTE: BLI 237100, Operations Other Than War was consolidated into BLI 220800, Weapons Enhancement Program beginning in FY06.

									Date:				
Exhibit P-40a, I	Budget Ite	m Justifica	tion for Ag	gregated It	ems						February 2006	6	
Appropriation / Budget Activity							P-1 Item Nomencl	lature:	=				
Procurement, Marine Corps (11	09) / Communica	tions and Electronic	Equipment (4)						OPERATIONS	OTHER THAN WA	AR / BLI 237100		
Procurement Items	Code	Prior Years		FY 2005	FY 2006	FY 2007						To Complete	Total Prog
												0.0	0.0
Operations Other Than War	Α			0.7	0.0	0.0						0.0	0.7
Render Personnel Incapable (OIF)	Α			0.2	0.0	0.0						0.0	0.2
. , ,													
Totals		0.0		0.9	0.0	0.0							

Exhibit P-5,			get Activity/Serial No:		P-1 Line Item Nome			Weapon System Ty	ype:	Date:	
Cost Analysis		Procurement, Mari	ne Corps (1109) / Com ectronics Equipment (4	nmunications and	Ope	rations Other Than	War			Februa	ry 2006
Weapon System	ID	PYs	Caroline Equipment (FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Ion-Lethal Weapon Capability Sets			26517	VAR	VAR						
OTAL			26517								
ctive		_	26517			_			_		
eserve		0	0			0		1	0		

	Exhibit P-	40, Budget Ite	m Justific	cation Sheet			Date: February 2006					
Appropriation / Budge	et Activity/Serial No:				P-1 Item Nom	enclature:						
Procurement, Marine C	Corps (1109) / Guided Missiles ar	nd Equipment (3)					Ground B	ased Air Defens	se (GBAD)			
Program Element:		Co	ode:	Other Related Prog	gram Elements:							
0206128M Low	Altitude Air Defense Battalion		Α									
	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog	
Proc Qty												
Gross Cost	0.5		9.8	1.9	3.9	2.0	12.4	11.5	14.4	Cont	Cont	
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.5		9.8	1.9	3.9	2.0	12.4	11.5	14.4	Cont	Cont	
Initial Spares	0.0		0.0	0.0	0.0	1.8	3.7	1.9	0.0	0.0	7.3	
Total Proc Cost	0.5		9.8	1.9	3.9	3.7	16.1	13.4	14.4	Cont	Cont	
Flyaway U/C												
Wpn Sys Proc U/C												

Ground Based Air Defense (GBAD) Transformation formerly known as LAAD (Low Altitude Air Defense) Sustainment Transformation, supports two emergent capability requirements rolled into a single initiative:

1. Advanced Man Portable Air Defense Systems (A-MANPADS) (FY 05-10): Replaces the Avenger and existing MANPADS (Stinger) vehicles, and retains LAAD Battalion's current air defense and self- protection (crew-served weapon) capabilities. Components of the A-MANPADS system are: M240 Machine Gun w/ Medium Thermal Weapons Sight, M2 .50cal Machine Gun w/ Heavy Thermal Weapons Sight, and a Defense Advanced GPS Receiver (DAGR) (replaces current GPS receiver-PLGR). Additional components will be procured in FY09-11 to integrate a Slew-to-Cue capability lost with the divestiture of the Avenger Weapon System.

The M240 7.62 caliber machine gun is an air-cooled, belt fed, gas operated automatic weapon. The weapon provides heavy, controlled volume of accurate, long-range fire that is beyond the capabilities of individual small arms.

The Medium/Heavy Thermal Weapon Sight (MWTS) is a light-weight, low-power, high-performance Forward Looking Infra-Red device. The MWTS will augment existing crew-served night vision sights. It does not rely on visible light for operation, and is virtually unaffected by weather and obscurants (both natural and man made). The MWTS operates by discerning the temperature variation between targets and their background. The MTWS is completely passive and, although designed for target detection and engagement with Marine Corps crew served weapons, can be used for all weather surveillance. The Medium MTWS is intended for use with the M240 machine gun and the Heavy TWS is intended for use with the M2 machine gun.

The M2 .50 caliber (12.7mm) machine gun is a belt-fed, recoil operated, air-cooled crew-served weapon. The machine gun supports both the offense and defense. The M2 provides the heavy volume of close, accurate, and continuous fire to suppress and destroy enemy fortifications, vehicles and personnel in support of an attack.

2. AN/PAS-13 Thermal Sight: Will replace the unsupportable and obsolete AN/PAS-18 Stinger Night Sight. The Stinger Nite Sight permits the LAAD Gunner to execute missile engagements at night and during times of low light conditions. RDT&E efforts will integrate the Stinger Missile Reticule and hardware interfaces to provide a system that weighs half as much and has twice the range as the antiquated PAS-18. PMC in FY07 and FY08 will procure the new systems.

							Date:					
Exhibit P-4	0a, Budg	jet Iter	n Justifica	tion for A	ggregated	ltems		Februa	ary 2006			ļ
Appropriation / Budget Activity					P-1 Item Nor	nenclature:						
Procurement, Marine Corps (1109) / Communic	ations and	Electron	ic Equipment	(4)			Grou	nd Based Air I	Defense (GBA	D)		
Procurement Items	Code	UOM	Prior Years	FY 2005	FY 2006	FY 2007					To Complete	Total Prog
GBAD Transformation												
Program Support	Α	D	0.5	0.1	0.0	0.7					Cont	Cont
		Q										
Advanced MANPADS	А	D	0.0	4.4	1.8	0.0					0.0	0.0
		Q										
Advanced MANPADS Modifications	А	D	0.0	0.0	0.0	0.9					Cont	Cont
Advanced MANY ADS Modifications		Q	0.0	0.0	0.0	0.0						
		Q										
			0.0	2.3	0.0	0.0					0.0	0.0
Crew Served Weapons & Accessories	Α	D	0.0	2.3	0.0	0.0					0.0	0.0
		Q										<u> </u>
Optics (MWTS/HWTS)	Α	D	0.0	1.6	0.1	2.3					0.0	0.0
		Q										
DAGR & Accessories	А	D	0.0	0.8	0.0	0.0					0.0	0.0
		Q										
GBAD Software license (ADCP-EP)	А	D	0.0	0.5	0.0.	0.0					0.0	0.0
, ,		Q										
Tech Manuals for A-MANPADS	А	D	0.0	0.2	0.0	0.0					0.0	0.0
Took Mariadio for A Maria ABO	7.	Q	0.0	0.2	0.0	0.0						
		Q										
Tatala			0.5	9.8	1.9	3.9						
Totals	-		0.5	3.0	1.3	3.9	 	-	-	-		
												
												<u> </u>
]

	Exhibit l	P-40, Budget	Item Justific	cation Sheet	:		Date: February 2005					
Appropriation / Budget Activity	/Serial No:				P-1 Item Nomencla	ture:						
Procurement, Marine Corps (1	109) / Guided Missiles and Equipment (3)						JAVELIN				
Program Element:			Code:	Other Related Prog	ram Elements:							
3	301100 Javelin		А									
	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog	
Proc Qty	2577		432								3009	
Gross Cost	303.0		38.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	341.6	
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	303.0		38.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	341.6	
Initial Spares	2.2		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	
Total Proc Cost	305.2		38.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	343.8	
Flyaway U/C												
Wpn Sys Proc U/C												

This Army lead program is for the procurement of the Javelin Weapon System, formerly known as the Advanced Antitank Weapon System-Medium (AAWS-M). The system consists of a reusable Command Launch Unit (CLU), missile, test equipment, and training devices.

The CLU consists of a target acquisition device, a trigger mechanism, Built-inTest (BIT) appropriate interfaces, guidance and fire control functions. The round is a missile encased in a disposable launch tube assembly. Attached to the launch tube are a replaceable Battery Coolant Unit (BCU), CLU mating connector, front and rear shock attenuators, removable front end cap and serviceable dessicant.

The Javelin provides the Marine Corps with a medium-range, man-portable, anti-tank weapon that replaces the Dragon. The Javelin provides increased reliability, higher hit/kill probability and greater effective range against current and future armored threats. The Javelin characteristics are as follows:

- A. Fire and Forget
- B. High Probability of Hit (HPH) and Single Shot Probability of Kill (SSPK)
- C. 49.5 pounds weight
- D. 2000 meter range
- E. Increased Gunner survivability

This program is for replenishment of missiles and ancillary equipment expended in support of GWOT.

FY05 Supplemental Funding Received: \$34.5M

Exhibit P-5,		Appropriation/ Budge	-	P-1 Line Item Nomen				Weapon System T	уре:	Date:	
Cost Analysis		Procurement, Mar Communications	rine Corps (1109) / s and Electronics		Javel	in					ry 2005
Weapon System	ID	PYs		FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Hardware											
- Javelin Missile (DODIC PL64)		303000	3276	42	78000						
- Javelin Missile (DODIC PM93) - Supplemental			31200	390	80000						
davelin Missile (Beble 1 Miss) Cappiemental			0.200	000	00000						
- Battery Coolant Units			735	280	2625						
- Environmental Protective Carrying Bag Sets			317	450	704						
Set: 1 CLU Bag + 3 Missile bags											
- Javelin Missile Containers			132	175	756						
- Javelin Missile Test Set			260	1	260						
- Javelin Missile Test Set			200	•	200						
Support Costs											
- Government Engineering Services			1605								
O No			4000								
- Government Program Management			1000								
TOTAL		303000	38525								
ACTIVE		000000	38525								
RESERVE			0								
ı											
ı											
ı											

Exhibit	P-5a, Budget Procurement I	History ar	nd Planning					Date:	February 1	2006
Appropriation / Budget Activity/Serial No:		Weapon Syste			P-1 Line Item	Nomenclature	e:		i ebidary 2	2000
Procurement, Marine Corps (1109) / Guided M	issiles and Equipment (3)						Javelin / BLI 301	100		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Iss Date
Fiscal Years FY05	_	and Type			Delivery	Each	\$		Avaii	
- Javelin Missile (DODIC PL64)	Close Combt Weapon Systems Huntsville, AL	MIPR	AMCOM, CCWS, Huntsville, AL	Apr-05	May-05	42	78000	No	No	Jan-0
- Javelin Missile (DODIC PM93)- Supplemental	Javelin Joint Venture Troy, AL	SS-FPIF	AMCOM, CCWS, Huntsville, AL	Jul-05	Jun-07	390	80000	No	No	Apr-0
- Battery Coolant Units	Javelin Joint Venture Troy, AL	SS-FPIF	AMCOM, CCWS, Huntsville, AL	Jul-05	Jun-07	280	2625	No	No	Apr-0
- Environmental Protective Carrying Bags	Protective Packaging Corp	FFP	Carrollton, TX	Feb-05	May-05	450	704	No	No	Dec-0
- Javelin Missile Containers	Javelin Joint Venture Troy, AL	SS-FPIF	AMCOM, CCWS, Huntsville, AL	Nov-04	May-05	175	756	No	No	Apr-0
- Javelin Missile Test Set	Redstone Technical Test Center Huntsville, AL	MIPR	Redstone Arsenal, AL	Dec-04	May-05	1	260000	No	No	Nov-0
									No No No No	

REMARKS:

	Exhibit P-	40, Budget Item Justifi	cation Sheet	:		Date:		February 200	6	
Appropriation / Budget Activity/	/Serial No:			P-1 Item Nomencla	ture:					
Procurement, Marine Corps (1	109) / Guided Missiles and Equipment (3)					HIM	IARS ROCK	ETS		
Program Elements:		Code:	Other Related Prog	ram Elements:						
050251	11M Divisions (MCR)	Α								
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty										
Gross Cost	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
Initial Spares	0.0									
Total Proc Cost	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
Flyaway U/C										
Wpn Sys Proc U/C										

Guided Multiple Launch Rocket System (GMLRS) munitions maximize lethality and minimize collateral damage while providing immediate precision fires to engage, suppress, destroy, and deny terrain to the enemy during irregular and traditional operations.

The training munitions are the Multiple Launch Rocket System (MLRS) Reduced Range Practice Rocket (RRPR). The rocket has an inert payload section with a blunt nose that reduces range for use at multiple firing ranges in the continental United States (CONUS).

The tactical munitions are the Guided Multiple Launch Rocket System (GMLRS) rocket. The GMLRS integrates a guidance and control package and a new rocket motor to achieve greater range and precision accuracy resulting in reduced logistics footprint for deployed forces. GMLRS is effective against counterfire, air defense, light material, personnel targets and provides greater range and significantly enhanced accuracy.

BLI 304000 HIMARS was consolidated into a new BLI 221200 HIGH MOBILITY ARTILLERY ROCKET SYSTEM beginning in year FY06.

Army HIMARS MS C March 2003. Army HIMARS FRP decision 3rd Qtr FY05.

USMC HIMARS MS C October 2003. USMC HIMARS FRP 1st Qtr FY06.

	Exhib	it P-40, Budget l	Item Justific	ation Sheet			Date: February 2006				
Appropriation / Budget Activity	/Serial No:				P-1 Item Nomencla	ture:					
Procurement, Marine Corps (1	109) / Guided Missiles and Equipm	ent (3)					COMPLEMENTARY LO	W ALTITUDE WEAP	ON SYSTEM (CLA	WS)	
Program Elements:			Code:	Other Related Prog	ram Elements:						
0206313M Tactical	Air Control Systems (Marine Corps)		Α								
	Prior Years*		FY 2005*	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty	4 *			0	1	0	5	6	6	40	25
Gross Cost	0.0		0.0	0.4	3.2	2.4	33.7	31.1	17.3	Cont	Cont
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	0.0		0.0	0.4	3.2	2.4	33.7	31.1	17.3	Cont	Cont
Initial Spares	0.0		0.0	0.0	0.2	0.0	0.8	0.9	0.9	Cont	Cont
Total Proc Cost	0.0		0.0	0.4	3.3	2.4	34.5	32.0	18.2	Cont	Cont
Flyaway U/C											
Wpn Sys Proc U/C											

COMPLEMENTARY LOW ALTITUDE WEAPON SYSTEM (CLAWS): CLAWS is a mobile ground based air defense missile system. CLAWS shall provide a rapidly deployable, high firepower, all-weather, standoff air defense system to defend Marine Expeditionary Forces and Naval Forces from attack by cruise missiles, aircraft and Unmanned Aerial Vehicles (UAVs). CLAWS takes advantage of government furnished equipment (GFE), non-developmental items (NDI) and technology by integrating current inventory DoD missiles with existing High Mobility Multi-purpose Wheeled Vehicles (HMMWV). It shall complement existing Short Range Air Defense (SHORAD) capabilities and shall interface with current and proposed Marine Air Command and Control System sensors and data paths. CLAWS Increment 0, supported by its command and control node, the Air Defense Communication Platform - Enhanced Package (ADCP-EP), will provide the initial capability. CLAWS Increment I will align with and become the launcher for the Army Surface Launched Advanced Medium Range Air-to-Air Missile (SLAMRAAM) Increment I. The Marine Corps relies on SLAMRAAM Increment I program to develop the final threshold capability with the CLAWS Increment I launcher.

COMPLEMENTARY LOW ALTITUDE WEAPON SYSTEM (CLAWS) MISSILES: The Advanced Medium Range Air-to-Air Missile (AMRAAM) is a supersonic, air launched guided missile employing active radar tracking, proportional navigation guidance, and active Radio Frequency (RF) target detection. It employs active, semi-active, and inertial navigational methods of guidance to provide an autonomous launch and leave capability against simultaneous multiple targets in all environments. The CLAWS missile consists of a launcher integrated with the AMRAAM to field a surface-to air, Beyond Visual Range (BVR) weapon system.

*NOTES:

- (1) Complementary Low Altitude Weapons System was moved to BLI 305100 Complementary Low Altitude Weapon System beginning in FY06.
- (2) CLAWS AAO of 65 consists of 57 production units, 1 LRIP under the SLAMRAAM Increment I contract, (4) production representative systems (PRS) developed under the Marine Corps R&D Firm-Fixed Price (FFP) contract, and (2) procured with PMC funding in FY05 and (1) A-CLAWS using RDT&E.
- (3) CLAWS Increment 0 acquisition is limited to six (6) PRS launchers to be procured on contract between Marine Corps Systems Command and Raytheon Andover, MA.
- (4) CLAWS Increment I production units will be procured on the Army SLAMRAAM contract with Raytheon, Andover, MA.
- (5) CLAWS prior year quantity of (4) were purchased with RDT&E and (2) with PMC. These quantities equate to the 6 PRS launchers referenced in note (3).
- (6) CLAWS Missiles will be procured beginning in FY 2009.

Exhibit P-40a, Budget	ltem Justifi	cation	for Aggre	egated Ite	ems		Date:	January 20	06			
Appropriation / Budget Activity					P-1 Item Nome	nclature:						
Procurement, Marine Corps (1109) / Guide	d Missiles and	Equipm	ent (3)			COMPLI	EMENTARY	LOW ALTI	TUDE WEAF	PON SYSTE	M (CLAWS)	
Procurement Items	Code	UOM	Prior Years	FY 2005	FY 2006	FY 2007					To Complete	Total Prog
Government Furnished Equipment	А	D			0.4	1.0					Cont	Cont
		Q										
Command Destruct Software	А	D			0.0	2.2					Cont	Cont
		Q										
Total					0.4	3.2						

	Exhibi	it P-40, Budget I	Item Justific	ation Sheet	i		Date:		2010 FY 2011 To Complete 0.7 0.7 0.0 0.7 0.7 0.0 0.0 0.0 0.0		
Appropriation / Budget Activity/S	Serial No:			-	P-1 Item Nomenclat	ture:					
Procurement, Marine Corps (11	109) / Guided Missiles and Equipment	nt (3)		,	1		MIS	SSILE MODIFICATIO	DNS		ľ
Program Element:			Code:	Other Related Progr	ram Elements:					•	
0206211	1M Divisions (Marine)		Α	<u> </u>							
	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty											0
Gross Cost	68.2		42.5	3.2	3.3	0.6	0.7	0.7	0.7	0.0	119.9
Less PY Adv Proc			<u> </u>	'	<u> </u>			<u> </u>			
Plus CY Adv Proc											
Net Proc (P-1)	68.2		42.5	3.2	3.3	0.6	0.7	0.7	0.7	0.0	119.9
Initial Spares	0.3		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Total Proc Cost	68.5		42.5	3.2	3.3	0.6	0.7	0.7	0.7	0.0	120.2
Flyaway U/C				<u> </u>	<u> </u>						
Wpn Sys Proc U/C				<u> </u>					<u> </u>		
Anti-Armor Missile M	Iodifications - provides fu	unding to enhance th	ne performance	or improve the	safety of Marin	e Corps Missile	es. Installs safe	ety modification	s into TOW-2	missiles system	s.
	- this funding provides repla		•								
TOW Missile Test Se	et - this funding provides re	placement of equipr	ment of TOW sy	ystems in suppo	ort of GWOT.						

WSMC Hitchhiker - is a highly mobile, rapidly deployable fifth-wheel trailer with self-contained mobile electric power, environmental control, and shock-mounted C4I hardware. The Hitchhiker is the physical infrastructure that houses advanced COTS/GOTS technologies that mesh with current C4I systems to meet the requirements for command and situational awareness while enroute and a rapidly deployable, theater wide airborne relay.

^{*} BLI 312300 received \$2.2M in FY06 Congressional Add funds for WSMC Hitchhiker.

Exhibit P-40a, Budge	t Iten	n Justifica	ntion for A	Aggregate	ed Items		Date:		Februa	ary 2006		
Appropriation / Budget Activity					P-1 Item Nome	nclature:	-					
Procurement, Marine Corps (1109) / Guided Missiles a								MISSILE MO	DIFICATIONS			
Procurement Items	Code	Prior Years		FY 2005	FY 2006	FY 2007					To Complete	Total Prog
ANTI-ARMOR MISSILE MODS	Α	3.7		0.5	1.0	0.6					cont	cont
TOW Missile Test Set		0.0		0.1	0.0	0.0					0.0	0.1
WSMC Hitchhiker		0.0		0.0	2.2	0.0						
Totals		3.7		0.6	3.2	0.6					cont	cont

Exhibit P-5,		Appropriation/ Budge	et Activity/Serial No:	P-1 Line Item Nome	nclature:			Weapon System Ty	pe:	Date:	
Cost Analysis		Procurement, Mar Communications	rine Corps (1109) / s and Electronics		MISSILE MOI	DIFICATIONS				Februar	ry 2006
Weapon System	ID	PYs		FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
HARDWARE											
TOW 2A/BB MISSILE		42680	38112	1320	28873				2389	78	30631
SUPPORT SERVICES											
GOVERNMENT ENGINEERING SUPPORT			3077						214		
GOVERNMENT PROGRAM MANAGEMENT			730						55		
TOTAL ACTIVE RESERVE		42680 42680 0							2658 2658 0		

	Exhibit P-5a, Budget Procureme	nt Histor	v and Planning					Date:	ebruary 2	2006
Appropriation / Budget Activity/Serial No:		Weapon Syst			P-1 Line Item	Nomenclature:			ebiuary 2	2000
Procurement, Marine Corps (1109)	/ Communications and Electronics Equipment (4)					MI	ISSILE MODIFICAT	IONS		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issu Date
Fiscal Years		and Type			Delivery	Each	0	/ tvaii:	Avail	Date
		1			1	1				_
TOW-2A/BB MISSILES										
FY05	RAYTHEON MISLE, TUCSON AZ	FFP	AMCOM, HUNTSVILLE, AL	Jul-05	Jan-07	1320	28873	YES	NO	N/A
FY07	RAYTHEON MISLE, TUCSON AZ	FFP	AMCOM, HUNTSVILLE, AL	Nov-06	May-08	78	30631	YES	NO	N/A
REMARKS:		-	-	-						-

FY 07 BUDGET EXHIL	BIT P-21, PRODUCT	ION S	CHE	DULE																Date) :				Febr	uary 2	2006				
Appropriation Code/CC/BA/B Procurement, Marine Corps (Wea	pon (Syste	em				P-1	Item	Nom	encla	ture:		MISS	SILE	МС	ODII	FICA	TIO	NS					
							Р	ROD	OUC	TION	RA	ΤЕ			Pl	ROC	URE	MEI	NT LE	AD	TIME	S									
ITEM	Manufacturer's N	IAME / LO	CATION	ı			M	SR	EC	CON	М	AX		T Pi Oct	-		T Af Oct 1			nitial g PL			eord Ifg P			TO.	TAI			it of asu	re
TOW-2A BB	RAYTHEON						10	00	20	000	30	000	-10	000			9			9 .			18				7		Mont		
																												_			
																													┢		
										F	iscal	Year	05										Fi	scal	Year	06					B A
														Cale	ndar	' Yea	r 05							C	alen	dar Y	ear 0)6			L A
		F Y	S V C	Q T Y	D E L	B A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	JU	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U	J U L	A U G	S E P	N C E
ITEM							'	٧	C	IN	ь	ĸ	K	Ť	IN		G	Р	'	V	C	IN	Ь	K	ĸ	Ť	IN		G	Р	<u> </u>
TOW-2A BB			MC			1320										Α												<u> </u>	—		1320
TOW-2A BB TOW-2A BB		FY05		1621 78		1621 78										Α												├	₩		1621 78
TOW-ZA BB		FTU	IVIC	78		78																			-			┢	 		/8
		1	1																									t	┢		
		1	t																										1		
																												Щ.	Ш.		
										-	iscal	Year	07	Cale	ndar	Yea	r 07				-1		FI	scal		08 dar Y	ear (18	—		B A I
		1				I																					<u> </u>		一		A N
		F Y	S V C	Q T Y	D E L	B A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N N	U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	U U	U L	A U G	S E P	C E
ITEM TOW-2A BB		EVO	140	4000		1000				000						000												▙	₩		├
TOW-2A BB		FY05	MC A	1320 1621		1320 1621				330		600	330			330			330					600				┢	-		421
TOW-2A BB		FY07		78		78		Α				000												000		78		┢	一		44.1
1011 27(33		1	IVIO	70		,,																							1		-
		1																													

	Exhibi	t P-40, B	udget Item J	ustification SI	neet		Date:		February 2	006	
Appropriation / Budget Activity/Seria	l No:				P-1 Item Non	nenclature:					
Procurement, Marine Corps (1109)/0	Communications and	Electron	nics Equipmen	nt (4)			UNIT	OPERATION	S CENTER		
Program Elements:			Code:	Other Related	Program Eler	ments:					
0206313M Marine Corps Com	nmunication Equipme	ent	В								
	Prior Years*		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty (COC/CC end items)	26		84	0	4	5	5	5	5	221	355
Gross Cost	25.9		188.1	4.3	7.8	2.3	8.9	9.3	9.8	Cont	Cont
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	25.9		188.1	4.3	7.8	2.3	8.9	9.3	9.8	Cont	Cont
Initial Spares	0.0		2.1	0.0	0.4	0.0	0.0	0.0	0.3	Cont	Cont
Total Proc Cost	25.9		190.3	4.3	8.2	2.3	8.9	9.3	10.1	Cont	Cont
Flyaway U/C											
Wpn Sys Proc U/C											

Baseline Combat Operations Center (COC) are advanced components of the current Marine Expeditionary Force Combat Operations Center. Components will provide server architecture, mobile SATCOM and C2 capability, cable management, and improved software load, including encrypted software and improved battlespace visualization. The COC supports command, control and communications functions of the senior Marine Air-Ground Task Force (MAGTF).

Unit Operations Center (UOC) will provide a shelter and components for the integration of current and planned battlefield automation systems designed to optimize the positioning, interaction, and flow of information among the various staff agencies (G-2, G-3, Operations Directorate, etc.) and their automated information systems and between the unit and higher, adjacent or subordinate units or headquarters. The weapon system procurement unit cost and flyaway unit cost varies because UOCs are different sizes at different echelons of command, and include minor modifications to accommodate USMC sub-elements.

This program includes FY05 supplemental funds and will procure 10 program systems and 68 or more supplemental systems that will be used for initial provisioning/issue and support for Operation Iraqi Freedom (OIF) for FY06.In addition, two CapSet IV systems, one CapSet II (Division), 27 CapSet IIIs and IVs.

USMC Hitchhiker is a highly mobile, rapidly deployable fifth-wheel trailer with self-contained mobile electric power, environmental control, and shock-mounted C4I hardware. The Hitchhiker is the physical infrastructure that houses advanced COTS/GOTS technologies that mesh with current C4I systems to meet the requirements for command and situational awareness while enroute and a rapidly deployable, theater wide airborne relay.

FY05 Supplemental Funding Received: \$113.5M

BLI 419000 received \$3.4M Congressional Add Funds for the WSMC Hitchhiker.

Exhibit P-40a, Budge	t Iter	n Justifica	tion for A	Aggregate	ed Items		Date:		February 20	006	
Appropriation / Budget Activity Procurement, Marine Corps (1109)/Communications and Ele					P-1 Item Nome	nclature:	UNIT	OPERATIONS (CENTER		
Procurement Items	Code	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
BASELINE COMBAT OPERATIONS CENTER	Α	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
WSMC Hitchhiker		0.0	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	6.8
Totals		0.0	4.9	3.4	0.0	0.0	0.0	0.0	0.0	0.0	11.3

Exhibit P-5,		Appropriation/ Budge	et Activity/Serial	No:	P-1 Line Item Nomenclature:			Weapon System Type:		Date:	
Cost Analysis		(1109)/Communic	nt, Marine Corp cations and Elec	ctronics	UNIT OPERATION	NS CENTE					ruary 2006
	ID	Prior Yrs		FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Unit Operations Center Unit Operations Center Capability Set II Unit Operations Center Capability Set III Unit Operations Center Capability Set IV	B B	11400 6649	5500 23306 106600	13					1810 3977	1	1809874 1325537
Integrated Logistic Support Program Management Support OIF Support ECP			34586 6577 6242 435			902			880 1085		
TOTAL Active Reserve			183246 183246			902 902			7752 7752		

								Date:		
Exhibit	P-5a, Budget Pr	ocurement His	story and Plannin	g					February 200	6
Appropriation / Budget Activity/Serial No:		Weapon System Type:			P-1 Line Item Nomenclature:					
Procurement, Marine Corps (1109)/Communications and E	lectronics Equipment (4)						UNIT OPERATION	IS CENTER		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issue Da
Fiscal Years		and Type			Delivery	Each	\$		Avail	
FY 05										
Unit Operations Center Capability Set III	General Dynamics	FFP	MCSC, Quantico VA	Feb-05	Jun-05	13	1792769	Υ	N/A	N/A
Unit Operations Center Capability Set IV	General Dynamics	FFP	MCSC, Quantico VA	Jan-06	Jun-06	58	1300000	Y	N/A	N/A
Unit Operations Center Capability Set II	General Dynamics	FFP	MCSC, Quantico VA	Feb-05	Jun-05	1	550000	Υ	N/A	N/A
	General Dynamics	FFP	MCSC, Quantico VA	Feb-05	Jun-05	24	1300000	Υ	N/A	N/A
FY 07										
Unit Operations Center Capability Set III	General Dynamics	FFP	MCSC, Quantico VA	Oct-06	Jan-07	1	1809874	Υ	N/A	N/A
Unit Operations Center Capability Set IV	General Dynamics	FFP	MCSC, Quantico VA	Oct-06	Jan-07	3	1325537	Υ	N/A	N/A
REMARKS:										

	DGET EXHIBIT P-21, PR	ODUC	TION S	CHE	DULE	E														Date:						Fe	bruary 2	006			
Appropriation	Code/CC/BA/BSA/Item Control	No.					Wear	oon Sy	stem					P-1 l	tem No	mencl	ature:														
	Marine Corps (1109) / Commun		and Elec	ctronics	s Equip	oment											ataro.					UNIT	OPE	RAT	IONS	CENT	ER				
								PRO	DUC	TION	RATE			•		PR	OCUR	EMEN	T LE	ADTIN	1ES										
Item	Manufacturer's NAME/LOCATION						М	ISR	FC	CON	M	ΑX	A	LT Prio	or		ALT Afte			Initial			Reorde						Unit of		
	General Dynamics, Scottsdale, AZ						1	3		7		0		o Oct 1				-		Mfg PL			/lfg PL1			тс	TAL		Measure		
	FY05											_								4			4				8		F		
	FY06																			3			5				8		F		
	1 100																						3				3		-		
						ı	1				Fis	scal Ye	ear 05									1	3		Fiscal Y		3		<u> </u> -		В
										1				C	alenda	r Year	05										lar Year	06			L A
		F	S V	Q T	D E	В	0 C	N O	D E	J A	F	М	Α	М	Ŋ	Ŋ	A U	S E	0	N	D	J	F	М	Α	М	J	Ŋ	Α	S	N C
ITEM		Y	C	Y	L	A L	C T	V	C	A N	E B	A R	P R	M A Y	N N	L	G	E P	O C T	N O V	E C	A N	E B	A R	P R	A Y	U N	L	U G	E P	E
UOC Capab	oility Set II Supplemental	05	MC	1		1					Α				1																
UOC Capab	oility Set IV Supplemental	05	MC	24		24					Α				3	3	3	3	3	3	3	3									
UOC Capab	oility Set III	05	MC	13		13					Α				6	3	3	1													
				ļ	ļ																										
				l		1																									
UOC Capab		05	MC	58 1	ļ	58 1	-															Α					4	4	5	5	40
UOC Capab	-	07	MC	1		1																									1
UOC Capab	ility Set IV	07	MC	3	ļ	3																									3
		1		1	1																										
		<u> </u>		.	.	1																									
				1	1		1	1																					-		
			ı								Fis	scal Ye	ear 07		1			ı							Fiscal Y	ear 08	ı		1		B A
								1						С	alenda	_										Calend	lar Year				L A
ITEM		F Y	S V C	Q T Y	D E L	A L	O C T	N O V	E C	J A N	F E B	M A R	A P R	A Y	N N	n N	A U G	S E P	O C T	N O V	D E C	J A N	F E B	A R	A P R	M A Y	J U N	U L	A U G	S E P	N C E
UOC Capabili	ity Set IV	05	MC	58	18	40	5	5	5	5	5	5	5	5																	
UOC Capabili	ity Set III	07	MC	1		1	Α			1																					
H00 C	ity Set IV	07	MC	3		3	Α			3																					
UOC Capabili						1																									

	Exhibit P	-40, Budget Item Justifi	cation Sheet			Date:		February 200	6	
Appropriation / Budget Activity Procurement, Marine Corps (1	/Serial No: 109) / Communications and Electronics I	Equipment (4)		P-1 Item Nomencla	ature:	REPAIR	AND TEST EQ	UIPMENT		
Program Elements: 0206313M Marine C	Corps Communication Equipment	Code:	Other Related Prog	gram Elements:						
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty										
Gross Cost	248.8	0.0	57.4	13.1	28.0	33.0	19.8	19.7	Cont	Cont
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	248.8	0.0	57.4	13.1	28.0	33.0	19.8	19.7	Cont	Cont
Initial Spares	2.3	0.0	0.8	0.2	0.3	1.4	0.3	0.3	Cont	Cont
Total Proc Cost	251.1	0.0	58.2	13.3	28.2	34.3	20.1	20.0	Cont	Cont
Flyaway U/C										
Wpn Sys Proc U/C										•

This is a roll-up line which contains the following programs and includes many different items and separate acquisitions.

Digitization of DOD Tech Manuals: Provides modernization for transfer of technical data to electronic media enabling movement to a fully electronic data environment for compliance of Under Secretary of Defense mandate.

General Purpose Electronic Test Equipment (GPETE): GPETE items are required to support USMC weapon systems that utilize or consist of electronic components. GPETE is essential to the operational readiness of the Marine Corps for the installation, operation, and maintenance (preventive and routine) of electronic weapon systems and equipment in both the USMC operating forces as well as the supporting establishment (Schools/Bases).

General Purpose Mechanical Test Equipment (GPMTE): This program is a combination of many types of test equipment used to diagnose Motor Transport, Ordnance, and Engineer, tracked, wheeled, and stationary equipment. This test equipment is essential in maintaining the readiness of USMC weapon systems in both the Marine Corps operating forces as well as the supporting establishment (Schools/Bases).

General Purpose Tool, Sets, & Kits (TS&K): Funds are used to buy tools to support all types of Marine Corps ground equipment. The program includes over 40 different types of individual mechanic or technician tool kits as well as the larger, mobile or deployable, organizational tool sets.

Automatic Test Equipment (ATE)/Calibration Facilities: Is general purpose ATE and Application Program Set (APS). The ATE integration is the process of combining ATE and APS support to provide dynamic test/diagnostic capabilities to Marine Corps Ground Weapons. The Calibration Facilities allows for the comparison of measurement and test equipment or measurement standard of unknown accuracy to a measurement standard of known accuracy in order to detect, corelate, report or eliminate any variation in the accuracy of the instrument being compared. General purpose ATE allows one tester to support testing of digital/analog, communication electronics, electro-mechanical, and electro-optical assemblies and subassemblies. APSs are used for specific weapon systems to test the assembly as if it were installed and operating in the weapon platform.

Third Echelon Test System (TETS): The TETS program provides mobile automatic testing on line replaceable units and circuit card assemblies, enabling rapid restoration of weapon systems. Consisting of hardware and software portable equipment, TETS is used by maintenance personnel in troubleshooting of digital/analog, communication/electronic, electro-mechanical, and electro-optical equipment.

Autonomic Logistic (AL) - AL provides platform-based situational awareness to Marine Corps ground weapon systems. AL interfaces to a weapon system data buss to collect and process sensor data into actionable information. AL provides systems health, fuel and ammo levels, mobile and troop load information to the combatant commander and his supporting staff.

		Date:
Exhibit P-40, Budget Item Justification Sheet		February 2006
Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:	
Procurement, Marine Corps (1109) / Communications and Electronic Equipment		REPAIR AND TEST EQUIPMENT

Calibration Facility: Calibration Facility Equipment: Allows for the comparison of measurement and test equipment or measurement standard of unknown accuracy to a measurement standard of known accuracy in order to detect, correlate, report or eliminate any variation in the accuracy of the instrument being compared.

Monitor Unit, Radio Frequency: Radio Frequency Monitor Unit: The test set consists of a watt meter, a load resister, two cable assemblies, four insertion elements, an adapter, a variable sampler, a VSWR chart and a spare battery. It is designed to measure power flow and load match in 50 ohm RF coaxial transmission lines.

Test Adapter, SINCGARS: SINCGARS Test Adapter: Consists of a J-4843 chasis assembly with an RCTS-001 Radio Personality Module (RPM-01) installed and is used in conjunction with the Test Radio Set. It contains all the software and special programs that the TS-4317 uses to perform complete performance testing and troubleshooting of any SINGARS equipment.

Test Set Local Area Network: Repair and Test Equipment: Is a general purpose networking tool designed to assist technicians with testing, monitoring, troubleshooting, and repairing, of Local Area Networks (LAN) and equipment. It is intended to assist in the maintenance of all USMC tactical networks and associated equipment.

Test Set, Optical TDR Handheld: Repair and Test Equipment: The Optical Time Domain Reflectometer (OTDR) is a field modular optical tester used for fiber network installation, maintenance, and troubleshooting. Two field interchangeable module slots allow users to quickly mix and match confugrations to cover any fiber test application from 635 to 1625 nm.

Test Set, Radio: Repair and Test Equipment: This general purpose radio test set performs the following functions: radio frequency signal generator, audio frequency signal generator, oscilloscope, spectrum analyzer, radio receiver, power meter, frequency counter, and digital multimeter. This item is intended to support al HF/VHF/UHF radios.

Test Set, Radio VHF: Repair and Test Equipment: This unit is a self contained test set for VHF radios and is intended to be used by radio operators as a tool to compare performance of VHF radios or identify faulty rados. It measures forward power, reflected power, relative field strength, and transmitter frequency.

Tool Kit, Data Network, GP: Repair and Test Tools: The Data Network Took Kit, is a general purpose tool kit designed to assist technicians perform testing, monitoring, troubleshooting and maintenance of Marine Corps' communications networks.

Tool Kit, Fiber Optic, GP: Repair and Test Tools: The Tool Kit, Fiber Optic (GP) is a tool kit that provides tools and consumable items to perform intermediate level maintenance and repair on common fiber optic cables and connectors currently in use throughtout the Marine Corps. The Fusion Splicer Kit is a portable Fiber Optic splicing Kit that is portable enough to be carried to the splice sight in a field environment.

BLI 418100 Repair and Test Equipment is a consolidation of BLI 440200 Auto Test Systems, BLI 442900 General Purpose Tools & Test System, and BLI 446000 Calibration Facilities beginning in FY06.

TITLE IX Funding Received: \$16.0M

Exhibit P-40a, Budge	t Item Justif	ication for A	ggregated l	tems		Date:	February 2006	5			
Appropriation / Budget Activity	and Flastranias Faul	nment (4)		P-1 Item Nomenclat	ure:		DEDAID AND T	EST FOLUDIA	-NIT		
Procurement, Marine Corps (1109) / Communications Procurement Items	Code	Prior Years	FY 2005	FY 2006	FY 2007	<u> </u>	REPAIR AND I	EST EQUIPME	EN I	To Complete	Total Prog
r loculement items	Code	FIIOI Teals	112003	112000	112007					10 Complete	Total Flog
General Puprose Mechanical Test Equipment (GPMTE)	D	51.0	0.0	3.6	2.2					Cont	Cont
,	Q			VAR	VAR						
General Purpose Tool Sets & Kits (TS&K)	D	6.9	0.0	1.0	1.2					Cont	Cont
	Q			VAR	VAR						
MC Automatic Test Equipment/Calibration Facility	D	3.1	0.0	3.6	2.0					Cont	Cont
	Q			VAR	VAR						
Autonomic Logistics (AL)	D	0.0	0.0	0.0	1.0					Cont	Cont
Autonomic Logistics (AL)	Q	0.0	0.0	VAR	VAR					Cont	Cont
	<u> </u>			VAIX	VAIX						
Ohmmeter (Grd Tester)	D	0.0	0.0	0.1	0.0					0.0	0.1
, , , , , , , , , , , , , , , , , , ,	Q										
Monitor Unit, Radio Frequency	D	0.0	0.0	0.1	0.0					0.0	0.1
	Q										
Test Adapter, SINCGARS	D	0.0	0.0	1.2	0.0					0.0	1.2
	Q										
Toot Set Local Area Natural	D	0.0	0.0	0.3	0.0					0.0	0.3
Test Set, Local Area Network	Q	0.0	0.0	0.3	0.0					0.0	0.3
	Q										
Test Set, Optical TDR Handheld	D	0.0	0.0	0.2	0.0					0.0	0.2
	Q										
Test Set, Radio	D	0.0	0.0	0.7	0.0					0.0	0.7
	Q										
Test Set, Radio VHF	D	0.0	0.0	3.4	0.0	-				0.0	3.4
	Q										
Tool Kit, Fiber Optic, GP	D	0.0	0.0	0.3	0.0					0.0	0.3
1001 Titl, 1 1001 Optio, Of	Q	0.0	0.0	0.0	0.0					0.0	0.5
					_						
TOTAL		0.0	0.0	14.6	6.5					Cont	Cont
1					1						

Exhibit P-5, Weapon		Appropriation/ Budge	•		P-1 Line Item Non			Weapon System T	уре:	Date:	
WPN SYST Cost Analysis		Procurement, Marine and Elec	e Corps (1109) / Con tronics Equipment (4		REPAIR A	ND TEST EQUIPM	IENT			Febr	ruary 2006
Weapon System	ID	Prior Yrs		FY05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	+	\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
General Purpose Electronic Test Equip (GPETE)											
TEST SET; LOCAL AREA NETWORK (LAN)						462	75	6160	309	50	6180
GROUND TESTER (4-POINT)						48	20	2400	60	25	2400
GROUND TESTER (CLAMP-ON)						60	30	2000	60	30	2000
SIGNAL GENERATOR (MW)						895	42	21300			
TEST SET; WIDE AREA NETWORK (WAN)						609	20	30450			
ANALYZER POWER (HANDHELD)						123	50	2460	123	50	2460
TEST SET, TELECOMMUNICATIONS						702	27	26000	520	20	26000
ANALYZER, SPECTRUM (HAND-HELD)									829	50	16580
OPTICAL TIME DOMAIN REFLECTOMETER (OTDR)						233	25	9300			
MULTIMETER (BENCHTOP)						105	50	2100	105	50	2100
FREQUENCY COUNTER (MW)						399	35	11400	401	35	11457
MULTIMETER (HANDHELD HIGH)						38	125	304	38	125	304
OPTICAL LOSS TEST SET						45	15	3000	75	25	3000
RADIO TEST SET (I-LEVEL)									150	2	75000
FIBER INSPECTOR						150	25	6000	150	25	6000
MULTIMETER (HANDHELD LOW)						39	500	78	39	500	78
RADIO TEST SET (HANDHELD)						783	50	15660			
WATT METER (RF)						36	15	2400	36	15	2400
Subtotal						4727			2895		

Exhibit P-5, Weapon WPN SYST Cost Analysis		Procuremen	et Activity/Serial No. nt, Marine Corps (11 and Electronics Equ	09) /	P-1 Line Item No REPAIR A	menclature: AND TEST EQUIPI	MENT	Weapon System	Type:	Date: Febr	uary 2006
Weapon System	ID	Prior Yrs		FY05			FY 06	=		FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
ENGINEERING SUPPORT Navy Activities (NSWC & NRL)						659			478		
SOFTWARE SUPPORT Operating Software Test Program Set (TPS) / Gold Disks Gold Disk Program Support Weapon System - TMDE Database						485			489		
LOGISTICS SUPPORT Training Material Factory Training Tech Manuals Provisioning Data Quality Assurance Testing New Equipment Training (CBT)						489			497		
Subtotal from Page 1						4727			2895		
TOTAL GPETE Active Reserve						6360 5453 907			4359 3488 871		
*NOTE: In FY05, the GPETE was in BLI 4429. It transitioned to BLI 4181 in FY06.											

Exhibit P-5, Weapon		Appropriation/ Bu	dget Activity/Serial	P-1 Line Ite	em Nomenclature:			Weapon System	Туре:	Date:	
WPN SYST Cost Analysis		Communication	rine Corps (1109) / as and Electronics ment (4)		THIRD ECHELO	N TEST SYSTEM				Feb	ruary 2006
Weapon System	ID	Prior Yrs		FY 05			FY 06			FY07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
3001 =1000		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Third Echelon Test System						9360	13	720000	1512	2	755857
Eng/Tech Svcs Training						213			325		
Support Equipment Software Integration Logistics Support						175			300		
Program Management						90			130		
Total Active Reserve REMARKS: Third Echelon Test System (TETS)- Buying different systems each FY due to unit price change. Electro Optics & Radio Frequency						9838 9838			2267 2267		
QTY QTY FY06 13 EO/RF FY07 2 EO/RF FY08 EO/RF 11 EO											
FY09 14 EO/RF											
Software Integration-Buying software, not hardware or equipment. MC Automatic Test Equipment - Fielded System Readiness, supports 450+ ATE Systems.											
Marine Corps Application Systems-Engineering efforts to develop hardware and software applictions to support multiple weapon systems.											

Exhibit P-5, Weapon WPN SYST Cost Analysis					ations and Electronic	cs	P-1 Line Item Nor REPAIF	nenclature: R & TEST EQU	JIP	Weapon System	Гуре:	Date:	uary 2006
	ID	Equipment (4)				FY 05			FY 06			FY 07	uary 2000
Weapon System Cost Elements	CD	TotalCost	01	11-301	TotalCost	Qty	11.30	TotalCost		11:10:11	TotalCost	_	11:30
Cost Elements	CD	\$000	Qty Each	UnitCost \$	\$000	Each	UnitCost \$	\$000	Qty Each	UnitCost \$	\$000	Qty Each	UnitCost \$
		φοσσ	Luon	Ψ	ΨΟΟΟ	Laon	Ψ	ΨΟΟΟ	Laon	Ψ	ΨΟΟΟ	Lucii	Ψ
CALIBRATION FACILITY (Transportable)								9121	1	9121000			
ENGINEERING & LOGISTICS SUPPORT Navy ISEA Activities Training Material and Training Team Provisioning & Tech Manuals Software Updates								481					
*DIGITIZATION OF DOD TECH MANUALS								17000	VAR	VAR			
TOTAL Active Reserve								26602					
*NOTE: In FY05, the Digitial of Tech Manuals was in BLI 4420. It transitioned to BLI 4181 in FY06.													

	hibit P-5a, Budget Procuremer	t History a	and Planning		0.415	No.		F	ebruary	2006
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Ele Equipment (4)	ectronics	Weapon Syst	em Type:		P-1 Line Item		: se Electronic Test E	quipment	(GPETE)	
Equipment (4) WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issu Date
Fiscal Years	······································	and Type			Delivery	Each	\$	Arun.	Avail	Duic
General Purpose Electronic Test Ed	quip (GPETE)									
TEST SET; LOCAL AREA NETWORK (LAN) FY06	Fluke, Everett, WA	MILSTRIP	Navy (NAVICP)	Jan-06	Mav-06	75	6160	Yes	N/A	N/A
FY07	Fluke, Everett, WA		Navy (NAVICP)	Jan-07	May-07	50	6180	Yes	N/A	N/A
GROUND TESTER (4-POINT)										
FY06 FY07	PPM, Cleveland, OH PPM, Cleveland, OH	MILSTRIP	Navy (NAVICP) Navy (NAVICP)	Jan-06 Jan-07	Jun-06 May-07	20 25	2400 2400	Yes Yes	N/A N/A	N/A N/A
CIONAL CENEDATOR (MAIN	, , .				.,					
SIGNAL GENERATOR (MW) FY06	Anritsu, Morgan Hill, CA	MILSTRIP	Navy (NAVCIP)	Jan-06	Jun-06	42	21300	Yes	N/A	N/A
GROUND TESTER (CLAMP-ON) FY06	AEMC, Boston, MA	MII STRIE	Navy (NAVICP)	Jan-06	May-06	30	2000	Yes	N/A	N/A
FY07	AEMC, Boston, MA		Navy (NAVICP)	Jan-07	May-07	30	2000	Yes	N/A	N/A
TEST SET, WIDE AREA NETWORK (WAN)										
FY06	Fluke, Everett, WA	MILSTRIP	Navy (NAVICP)	Jan-06	Jun-06	20	30450	Yes	N/A	N/A
ANALYZER POWER (HANDHELD) FY06	Fluke, Everett, WA	MII STRIP	Navy (NAVICP)	Jan-06	May-06	50	2460	Yes	N/A	N/A
FY07	Fluke, Everett, WA	MILSTRIP	Navy (NAVICP)	Jan-07	May-07	50	2460	Yes	N/A	N/A
TEST SET, TELECOMMUNICATIONS										
FY06 FY07	Acterna, Germantown, MD Acterna, Germantown, MD	MILSTRIP	Navy (NAVICP) Navy (NAVICP)	Jan-06 Jan-07	Jun-06 Jun-07	27 20	26000 26000	Yes Yes	N/A N/A	N/A N/A
	Acterna, Germantown, MD	WILSTRIP	INAVY (INAVIOF)	Jan-or	Juli-07	20	20000	162	IN/A	IN/A
ANALYZER; SPECTRUM (HAND-HELD) FY07	TBD	MILSTRIP	Navy (NAVICP)	Jan-07	Jun-07	50	16580	Yes	N/A	N/A
	OTO DI							Yes	N/A	N/A
	OTDR) Acterna, Germantown, MD	MILSTRIP	Navy (NAVICP)	Jan-06	May-06	25	9300	res	IN/A	19/75
OPTICAL TIME DOMAIN REFLECTOMETER (CFY)06							9300	res	N/A	IVA
OPTICAL TIME DOMAIN REFLECTOMETER (C FY06 REMARKS: All of these items are con	Actema, Germantown, MD						9300	res	N/A	IVA
OPTICAL TIME DOMAIN REFLECTOMETER (C FY06 REMARKS: All of these items are con General Purpose Electronic Test Ec MULTIMETER (BENCHTOP)	Actema, Germantown, MD mmercial off the shelf items. Pro	duction line	es remain hot with flexi	ble delive	ry sched	ules.				
OPTICAL TIME DOMAIN REFLECTOMETER (CFY06 REMARKS: All of these items are con General Purpose Electronic Test Ec MULTIMETER (BENCHTOP) FY 06	Actema, Germantown, MD	duction line	es remain hot with flexi	ble delive	ry sched	ules.	2100	Yes	N/A	N/A
OPTICAL TIME DOMAIN REFLECTOMETER (CFY06 REMARKS: All of these items are con General Purpose Electronic Test Ec MULTIMETER (BENCHTOP) FY 06 FY 07	Actema, Germantown, MD mmercial off the shelf items. Pro	duction line	es remain hot with flexi	ble delive	ry sched	ules.				
OPTICAL TIME DOMAIN REFLECTOMETER (C FY06 REMARKS: All of these items are con General Purpose Electronic Test Ec MULTIMETER (BENCHTOP) FY 06 FREQUENCY COUNTER (MW)	Actema, Germantown, MD mmercial off the shelf items. Pro	duction line MILSTRIF	es remain hot with flexi	ble delive	ry sched	ules.	2100	Yes	N/A	N/A
OPTICAL TIME DOMAIN REFLECTOMETER (CFY06 REMARKS: All of these items are con General Purpose Electronic Test Ec MULTIMETER (BENCHTOP) FY 06	Actema, Germantown, MD mmercial off the shelf items. Pro quip (GPETE) TBD TBD TBD	duction line MILSTRIF MILSTRIF MILSTRIF	ns remain hot with flexi	Jan-06 Jan-07	Apr-06 Apr-07	50 50	2100 2100	Yes Yes	N/A N/A	N/A N/A
OPTICAL TIME DOMAIN REFLECTOMETER (C FY06 REMARKS: All of these items are con General Purpose Electronic Test Ec MULTIMETER (BENCHTOP) FY 06 FREQUENCY COUNTER (MW) FY06 FY07 MULTIMETER (HAND-HELD HIGH)	Actema, Germantown, MD mmercial off the shelf items. Pro quip (GPETE) TBD TBD TBD Agilent, Santa Rosa, CA Agilent, Santa Rosa, CA	MILSTRIF MILSTRIF MILSTRIF	Navy (NAVICP) Navy (NAVICP) Navy (NAVICP) Navy (NAVICP)	Jan-06 Jan-07 Jan-07	Apr-06 Apr-07 Jun-06 Jun-07	50 50 50 35 35	2100 2100 11400 11457	Yes Yes Yes	N/A N/A N/A	N/A N/A N/A
OPTICAL TIME DOMAIN REFLECTOMETER (C FY06 REMARKS: All of these items are con General Purpose Electronic Test Ec MULTIMETER (BENCHTOP) FY 06 FY 07 MULTIMETER (HAND-HELD HIGH) FY06 MULTIMETER (HAND-HELD HIGH)	Actema, Germantown, MD mmercial off the shelf items. Pro quip (GPETE) TBD TBD Aglient, Santa Rosa, CA	MILSTRIF MILSTRIF MILSTRIF MILSTRIF	is remain hot with flexi Navy (NAVICP) Navy (NAVICP) Navy (NAVICP)	Jan-06 Jan-07 Jan-06	Apr-06 Apr-07 Jun-06	ules.	2100 2100	Yes Yes	N/A N/A	N/A N/A
OPTICAL TIME DOMAIN REFLECTOMETER (C FY06 REMARKS: All of these items are con General Purpose Electronic Test Ed MULTIMETER (BENCHTOP) FY 06 FY 07 FREQUENCY COUNTER (MW) FY06 FY07 MULTIMETER (HAND-HELD HIGH) FY06 FY07	Actema, Germantown, MD mmercial off the shelf items. Pro quip (GPETE) TBD TBD Agilent, Santa Rosa, CA Agilent, Santa Rosa, CA Fluke, Everett, WA	MILSTRIF MILSTRIF MILSTRIF MILSTRIF	Navy (NAVICP) Navy (NAVICP) Navy (NAVICP) Navy (NAVICP) Navy (NAVICP) Navy (NAVICP)	Jan-06 Jan-07 Jan-07 Jan-07 Jan-07	Apr-06 Apr-07 Jun-06 Jun-07	solution 50 50 50 35 35 125	2100 2100 11400 11457	Yes Yes Yes	N/A N/A N/A	N/A N/A N/A N/A
OPTICAL TIME DOMAIN REFLECTOMETER (C FY06 REMARKS: All of these items are con General Purpose Electronic Test Ed MULTIMETER (BENCHTOP) FY 06 FY 07 FREGUENCY COUNTER (MW) FY06 FY07 FY06 FY07 DEPTICAL LOSS TEST SET FY06	Actema, Germantown, MD mmercial off the shelf items. Pro quip (GPETE) TBD TBD Aglient, Santa Rosa, CA Aglient, Santa Rosa, CA Fluke, Everett, WA Fluke, Everett, WA Photonix, Johnson City, NY	MILSTRIF MILSTRIF MILSTRIF MILSTRIF MILSTRIF MILSTRIF	Navy (NAVICP)	Jan-06 Jan-07 Jan-06 Jan-07 Jan-07	Apr-06 Apr-07 Jun-06 Jun-07 Jun-06 Jun-07	ules. 50 50 35 35 125 125	2100 2100 11400 11457 304 304	Yes Yes Yes Yes Yes	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A
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DPTICAL TIME DOMAIN REFLECTOMETER (CFY06 REMARKS: All of these items are con General Purpose Electronic Test Ed MULTIMETER (BENCHTOP) FY 06 FY 07 FREGUENCY COUNTER (MW) FY06 FY07 PRECULENCY COUNTER (MW) FY06 FY07 PRECULENCY COUNTER (MW) FY06 FY07 FY08 FY08 FY07 FY08 MULTIMETER (HAND-HELD LOW) FY08 MULTIMETER (HAND-HELD LOW)	Actema, Germantown, MD mmercial off the shelf items. Pro TBD TBD TBD Agilent, Santa Rosa, CA Agilent, Santa Rosa, CA Fluke, Everett, WA Fluke, Everett, WA Photonix, Johnson City, NY Photonix, Johnson City, NY TBD TBD	MILSTRIF	Navy (NAVICP)	Jan-06 Jan-07 Jan-06 Jan-07 Jan-06 Jan-07 Jan-07 Jan-07	Apr-06 Apr-07 Jun-06 Jun-07 Apr-06 Apr-07 Jun-07	125 125 25 25	2100 2100 11400 11457 304 300 3000 75000	Yes Yes Yes Yes Yes Yes Yes	N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A
OPTICAL TIME DOMAIN REFLECTOMETER (C FY06 REMARKS: All of these items are con General Purpose Electronic Test Ed MULTIMETER (BENCHTOP) FY 06 FY 07 RREQUENCY COUNTER (MW) FY06 FY07 MULTIMETER (HAND-HELD HIGH) FY06 FY07 RADIO TEST SET FY06 FY07 FIBER INSPECTOR FY07 MULTIMETER (HAND-HELD LOW) FY06 FY07 MULTIMETER (HAND-HELD LOW) FY07 MULTIMETER (HAND-HELD LOW) FY06 FY07 MULTIMETER (HAND-HELD LOW) FY06 FY07	Actema, Germantown, MD mmercial off the shelf items. Pro TBD TBD Aglient, Santa Rosa, CA Aglient, Santa Rosa, CA Fluke, Everett, WA Photonix, Johnson City, NY Photonix, Johnson City, NY TBD TBD TBD TBD TBD TBD TBD TBD	MILSTRIF	Navy (NAVICP)	Jan-06 Jan-07 Jan-06 Jan-07 Jan-06 Jan-07 Jan-07 Feb-06 Feb-07	Apr-06 Apr-07 Jun-06 Jun-07 Jun-06 Jun-07 Jun-07 Jun-07 Jun-07	50 50 50 125 125 25 25 500 500	2100 2100 11407 11457 304 300 3000 75000 6000	Yes	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A
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Contractor and Location	Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Avail?		Date						
	and Type			Delivery	Each	\$		Avail							
DME Orlando, Florida	FED	MARCORSVSCOM	Dec-05	lun-06	13	720000	VES	ΝΙ/Δ	N/A						
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FY 07 BUDGET EXHIBIT	P-21, PRODUCTI	ON S	CHE	DULE																Date	9:				Febr	uarv 2	2006				
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FY 07 BUDGET EXHIBIT	P-21, PRODUCT	ION S	CHE	DULE																Date	e :				Febr	uary :	2006				
Appropriation/Budget Activity/Seri Procurement, Marine Corps (1109		and Elec	tronics	Equipm	nent (4)		Wea	apon (Syste	em				P-1	Item	Nom	enclat	ure:		C	CALIB	BRAT	ION								
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	Exhibi	t P-40, Budget I	tem Justific	cation Sheet	:		Date:		February 2006	3	
Appropriation / Budget Activity	/Serial No:				P-1 Item Nomencla	ture:					
Procurement, Marine Corps (1	109) / Communications and Electronic	cs Equipment (4)						Auto Test Systems			
Program Elements:			Code:	Other Related Prog	gram Elements:						
0206315M F	orce Service Support Group		А								
	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty											
Gross Cost	155.0		9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	164.3
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	155.0		9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	164.3
Initial Spares	0.5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
Total Proc Cost	155.5		9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	164.8
Flyaway U/C											
Wpn Sys Proc U/C											

Automatic Test Equipment (ATE) program is general purpose ATE and Application Program Set (APS). The ATE integration is the process of combining ATE and APS support to provide dynamic test/diagnostic capabilities to Marine Corps Ground Weapons. General purpose ATE allows one tester to support testing of digital/analog, communication electronics, electro-mechanical, and electro-optical assemblies and subassemblies. APSs are developed for specific weapon systems to test the assembly as if it were installed and operating in the weapon platform. APS are used by Marine Corps Intermediate/Depot Maintenance activities to test, troubleshoot and align failed weapon system components. This capability is vital where the maintainer must test/diagnose faults off system. It increases readiness, provides rapid and accurate test/diagnostics, reduces maintenance cycle time and supports multiple weapon systems.

Marine Corps Automatic Test Equipment: Provides modernization and sustainment of Marine Corps ATE.

Marine Corps Application Sets: Provides engineering and technical support/integration of software, hardware, and interactive electronic technical manuals developed for specific weapon systems and general purpose ATE. The software controls the automatic tester, and runs the diagnostic test to verify condition code and isolate faulty components.

Digitization of DOD Tech Manuals: Provides modernization for transfer of technical data to electronic media enabling movement to a fully electronic data environment for compliance of Under Secretary of Defense mandate.

BLI 440200 Auto Test Systems was consolidated into BLI 418100 Repair and Test Equipment beginning in FY06.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budg Procurement, Marin Ele		/ Commu	inications and	P-1 Line Item N Au	lomenclature: to Test Equipme	nt	Weapon System	Туре:	Date: February 2006
Weapon System	ID	Prior Years		FY 05			FY06			FY07	
	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
MC Automatic Test Equipment			1890								
Marine Corps Application Systems			997								
Digitization of DoD Tech Manuals			6374								
Total			9261								
Active Reserve			7526 1735								
REMARKS MC Automatic Test Equipment - Fielded System											
Readiness, supports 450+ ATE Systems Marine Corps Application Systems-Engineering efforts to											
develop hardware and software applictions to support multiple weapon systems											

	Exhi	bit P-40, Budget	Item Justific	cation Shee	ŀ		Date:		February 200	6	
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	iture:	•				
Procurement, Marine Corps (1	109) / Communications and Elect	ronics Equipment (4)				GE	NERAL PURP	OSE TOOLS 8	& TEST SYSTI	EMS	
Program Elements:			Code:	Other Related Prog	ram Elements:						
0206313M Marine 0	Corps Communication Equipment		Α								
	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty											
Gross Cost	143.2		28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	171.7
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	143.2		28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	171.7
Initial Spares	3.1		0.2	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Total Proc Cost	146.3		20.7	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Flyaway U/C											
Wpn Sys Proc U/C											

This is a roll-up line which contains the following programs and includes many different items and separate acquisitions.

General Purpose Electronic Test Equipment (GPETE): These GPETE items are required to support USMC weapon systems that utilize or consist of electronic components. USMC operating forces (Division and Wing) use GPETE items to test and measure the performance of their weapon systems to ensure they are operating properly and safely. USMC supporting maintenance forces, Force Service Support Group (FSSG) use GPETE items to test, troubleshoot, repair, and align broken weapon systems due to normal operational failures or due to combat damage. This GPETE is essential to the operational readiness of the Marine Corps for the installation, operation, and maintenance (preventive and routine) of electronic weapon systems and equipment in both the USMC operating forces (Div/Wing/FSSG) as well as the supporting establishment (Schools/Bases).

General Purpose Mechanical Test Equipment (GPMTE): This program is a combination of many types of test equipment used to diagnose Motor Transport, Ordnance, and Engineer, tracked, wheeled, and stationary equipment. The test equipment is used by mechanics at all levels of maintenance (e.g. from operator to component rebuild) to restore deadline items to operational condition. This test equipment is essential in maintaining the readiness of USMC weapon systems in both the USMC operating forces (Div/Wing/FSSG) as well as the supporting establishment (Schools/Bases).

General Purpose Tool, Sets, & Kits (TS&K): This program is used to provide general purpose tool sets & kits used to support the installation, operation, and maintenance of weapon systems. Funds are used to buy tools to support all types of Marine Corps ground equipment. The program includes over 40 different types of individual mechanic or technician tool kits as well as the larger, mobile or deployable, organizational tool sets.

FY 2005 includes \$6.3M of Supplemental Funding.

BLI 442900 General Purpose Tools & Test Systems was consolidated into BLI 418100 Repair and Test Equipment beginning in FY06.

							Date:				
Exhibit P-40a, Budge	t Iter	n Justifica	tion for A	Aggregate	ed Items			February 20	06		
Appropriation / Budget Activity Procurement, Marine Corps (1109) / Communications and Electronics Equipmen	t (4)				P-1 Item Nomer		eneral Purp	ose Tools 8	Test Syste	ms	
Procurement Items	Code	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
General Purpose Mechanical Test Equipment (GPMTE)	Α	46.5	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.8
Totals	3	46.5	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.8

Exhibit P-5, Weapon			dget Activity/Serial Nent, Marine Corps (1		P-1 Line Item No	menclature: PURPOSE TOOLS	& TEST	Weapon System	Type:	Date:	uary 2006
WPN SYST Cost Analysis		Communication	s and Electronics Ed	quipment (4)	GENERALF	SYSTEMS					uary 2006
Weapon System	ID	Prior Yrs		FY05			FY 06			FY 07	
Cost Elements	CD		Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
	1	\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
General Purpose Electronic Test Equip (GPETE)											
TEST SET; LOCAL AREA NETWORK (LAN)		303	639	104	6144						
GROUND TESTER (4-POINT)		48	78	32	2438						
GROUND TESTER (CLAMP-ON)		57	105	54	1944						
OSCILLOSCOPE (HANDHELD)			459	200	2295						
TEST SET; WIDE AREA NETWORK (WAN)		607	608	20	30400						
ANALYZER POWER (HANDHELD)		122	122	50	2440						
TEST SET, TELECOMMUNICATIONS		249									
ANALYZER, SPECTRUM (MICROWAVE)		674									
OPTICAL TIME DOMAIN REFLECTOMETER (OTDR)			805	50	16100						
FREQUENCY COUNTER (MW)		106	111	28	3964						
TEST ADAPTER;TRSS (Tactical Remote Sensor System)			492	12	41000						
OPTICAL LOSS TEST SET		117	234	80	2925						
PROTOCOL ANALYZER (LINK-16)			913	1	913000						
RADIO TEST SET (HANDHELD)			1560	150	10400						
WATT METER (RF)			48	20	2400						
			6174								

Exhibit P-5, Weapon WPN SYST Cost Analysis			dget Activity/Serial N ent, Marine Corps (1		P-1 Line Item Nor GENERAL P	menclature: URPOSE TOOLS	& TEST	Weapon System	Туре:	Date:	0005
•	l ID	Communication	s and Electronics Eq	uipment (4)		SYSTEMS	EV 00				ruary 2006
Weapon Svstem Cost Elements	ID	Prior Yrs Total Cost	Total Cost	FY05 Qty	Unit Cost	Total Cost	FY 06 Qty	Unit Cost	Total Cost	FY 07 Qty	Unit Cos
Cot Element		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
AN/USM-674 (PROTRAK)		486									
FUSION SPLICER (FIBER OPTIC)			389	50	7780						
SIGNAL GENERATOR (MW)			637	30	21233						
ELECTRONIC SOLDER KIT (PORTABLE)			599	150	3993						
ANALYZER, SPECTRUM (Hand-Held)			495	37	13370						
TEST SET, OPTICAL POWER			201	80	2505						
MONITOR UNIT, RADIO FREQUENCY			167	58	2867						
GENERATOR, SIGNAL, MICRO-WAVE			158	9	17520						
TEST SET, ELECTRICAL CABLE			104	46	2260						
GROUND TESTER (CLAMP-ON)			48	24	2000						
GROUND TESTER (4-POINT)			29	12	2380						
ANALYZER SET, VADS			26	1	25812						
MAINTENANCE KIT			21	16	1300						
TOOL KIT, ELECTRO-OPTICS			16	4	4000						
MULTI-METER (FLK-189)			15	48	300						
DATA NETWORK TOOL KIT			6	6	999						
MULTI-METER (FLK-77)			4	48	78						
RADIO TEST SET (RCTS-001)			433	10	43296						
LOGISTICS SUPPORT			940								
TOOLS, SETS, CHESTS AND KITS			13677	VAR	VAR						
Subtotal from Previous Page Total GRAND TOTAL			6174 17965 24139								

Evhibie	P-5a, Budget Procureme	nt History a	nd Dlanning					Date:	ebruary	2006
Appropriation / Budget Activity/Serial No:	r-5a, Budget Frocuremen	Weapon Syste	_		P-1 Line Item	Nomenclature:		F	ebruary	2006
Procurement, Marine Corps (1109) / Communications and Electronics Equipment (4)							se Electronic Test E	Equipment	(GPETE)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issu Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
General Purpose Electronic Test Equip (PETE)									
TEST SET; LOCAL AREA NETWORK (LAN) FY05	Fluke, Everett, WA	MILSTRIP	Navy (NAVICP)	Jan-05	May-05	104	6144	Yes	N/A	N/A
GROUND TESTER (4-POINT) FY05	PPM, Cleveland, OH	MILSTRIP	Navy (NAVICP)	Jan-05	Jun-05	32	2438	Yes	N/A	N/A
GROUND TESTER (CLAMP-ON) FY05	AEMC, Boston, MA	MILSTRIP	Navy (NAVICP)	Jan-05	May-05	54	1944	Yes	N/A	N/A
OSCILLOSCOPE (HANDHELD) FY05	Fluke, Everett, WA	MILSTRIP	Navy (NAVICP)	Jan-05	May-05	200	2295	Yes	N/A	N/A
TEST SET, WIDE AREA NETWORK (WAN) FY05	Fluke, Everett, WA	MILSTRIP	Navy (NAVICP)	Jan-05	Jun-05	20	30400	Yes	N/A	N/A
ANALYZER POWER (HANDHELD) FY05	Fluke, Everett, WA	MILSTRIP	Navy (NAVICP)	Jan-05	May-05	50	2440	Yes	N/A	N/A
OPTICAL Time Doninion Reflectectometer (OTDR) FY05	Fluke, Everett, WA	MILSTRIP	Navy (NAVICP)	Jan-05	May-05	50	16100	Yes	N/A	N/A
TEST ADAPTER; Tactical Remote Sensor Sys (TRSS)	A (MII OTOID	ALAM (107)	F.1. 05	L 1 05		44633	.,		N1/2
FY 05	Areoflex, Witchita, KS	MILSTRIP	Navy (NAVICP)	Feb-05	Jul-05	12	41000	Yes	N/A	N/A
OPTICAL LOSS TEST SET FY05	Photonix, Johnson City, NY	MILSTRIP	Navy (NAVICP)	Jan-05	Apr-05	80	2925	Yes	N/A	N/A
DEMADICS. All C.I.										

REMARKS: All of these items are commercial off the shelf items. Production lines remain hot with flexible delivery schedules.

Ev	hibit P 50 Pudget Progurement	· Lictory	and Blanning					Date:	٠ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ	2000
Appropriation / Budget Activity/Serial No:	hibit P-5a, Budget Procurement	Weapon Syste			P-1 Line Item N	Nomenclature:		F	ebruary	2006
Procurement, Marine Corps (1109) / Communications and Electronics Equipment (4)			•				e Electronic Test	Equipme	ent (GPET	E)
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost	Specs Avail?	Date Revsn Avail	RFP Issu Date
PROTCOL ANALYZER (LINK-16) FY05	Northrup Grumman, San Diego, CA	C/FPO	Navy (NAVSEA)	Feb-05	Sep-05	1	913000	Yes	N/A	N/A
RADIO TEST SET (HANDHELD) FY05	Northrup Grumman, San Diego, CA	C/FPO	USMC	Jan-05	Jul-05	150	10400	Yes	N/A	N/A
WATTMETER FY05	Bird Electronics, Cleveland, OH	MILSTRIP	Navy (NAVICP)	Jan-05	Jul-05	20	2400	Yes	N/A	N/A
FUSION SPLICER (FIBER OPTIC) FY05	Bird Electronics, Cleveland, OH	MILSTRIP	Navy (NAVICP)	Jan-05	Jul-05	50	7780	Yes	N/A	N/A
SIGNAL GENERATOR (MW) FY05	Anritsu, Morgan Hill, CA	MILSTRIP	Navy (NAVICP)	Jan-05	Jul-05	30	21233	Yes	N/A	N/A
ELECTRONIC SOLDER KIT (PORTABLE) FY05	Anritsu, Morgan Hill, CA	C/FP	Navy (NSWC Crane)	Feb-04	Jul-05	150	3993	No	Jun04	Aug-04
REMARKS: All of those items are con	nmercial off the shelf items. Prod	uction line	os romain hot with flo	viblo dolivo	ny sobodi	uloc				

Ex	hibit P-5a, Budget Procuremen	t History a	nd Planning					Date:	ebruary	2006
Appropriation / Budget Activity/Serial No:	, ,	Weapon Syste			P-1 Line Item N	lomenclature:				
Procurement, Marine Corps (1109) / Communications and Elect Equipment (4)	ronics				G	ENERAL PU	RPOSE TOOLS 8	R TEST S	SYSTEM	S
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issue
iscal Years		and Type			Delivery	Each	\$		Avail	<u> </u>
RADIO TEST SET (RCTS-001)										
FY05 ANALYZER, SPECTRUM (Hand-Held)	AeroFlex, Wichita, KS	C/FPO	MARCORSYSCOM	Jun-05	Oct-05	10	43296	Yes	N/A	N/A
FY05 FEST SET, OPTICAL POWER	TBD	MILSTRIP	Navy (NAVICP)	TBD	TBD	37	13370	Yes	N/A	N/A
FY05 MONITOR UNIT, RADIO FREQUENCY	Photonix, Johnson City, NY	C/FPO	MARCORSYSCOM	Jun-05	Sep-05	80	2505	Yes	N/A	N/A
FY05 GENERATOR, SIGNAL, MICRO-WAVE	Bird Electronics, Cleveland, OH	C/FPO	MARCORSYSCOM	Jun-05	Nov-05	58	2867	Yes	N/A	N/A
FY05 COUNTER, FREQUENCY, MICRO-WAVE	Anritsu, Morgan Hill, CA	C/FPO	MARCORSYSCOM	Jun-05	Dec-05	9	17520	Yes	N/A	N/A
FY 05 FEST SET, ELECTRICAL CABLE	Agilent, Santa Rosa, CA	C/FPO	MARCORSYSCOM	Jun-05	Sep-05	28	3964	Yes	N/A	N/A
FY05 GROUND TESTER (CLAMP-ON)	Fluke, Everette, WA	C/FPO	MARCORSYSCOM	Jun-05	Oct-05	46	2260	Yes	N/A	N/A
FY05 GROUND TESTER (4-POINT)	AEMC, Boston, MA	C/FPO	MARCORSYSCOM	Jun-05	Aug-05	24	2000	Yes	N/A	N/A
FY05 ANALYZER SET, VADS	PPM, Cleveland, OH	C/FPO	MARCORSYSCOM	Jun-05	Sep-05	12	2380	Yes	N/A	N/A
FY05 MAINTENANCE KIT	AMCOM, Redstone Arsenal, AL	MIPR	MARCORSYSCOM	Aug-05	Oct-05	1	25812	Yes	N/A	N/A
FY05 FOOL KIT, ELECTRO-OPTICS	TBD	C/FPO	MARCORSYSCOM	TBD	TBD	16	1300	Yes	N/A	N/A
FY05 MULTI-METER (FLK-189)	TBD	C/FPO	MARCORSYSCOM	TBD	TBD	4	4000	Yes	N/A	N/A
FY05 DATA NETWORK TOOL KIT	Fluke, Everette, WA	C/FPO	MARCORSYSCOM	Jun-05	Oct-05	48	300	Yes	N/A	N/A
FY05 MULTI-METER (FLK-77)	Evans Tool Co, Tempe, AZ	C/FPO	MARCORSYSCOM	Jun-05	Sep-05	6	999	Yes	N/A	N/A
Y05	Fluke, Everette, WA	C/FPO	MARCORSYSCOM	Jun-05	Oct-05	48	78	Yes	N/A	N/A

All of these items are commercial off the shelf items. Production lines remain hot with flexible delivery schedules.

	EXNIDIT	P-40, Budget	item Justific	ation Snee					February 2006	i	
Appropriation / Budget Activity/	/Serial No:		•		P-1 Item Nomencla	ture:		·		•	
Procurement, Marine Corp	os (1109) / Communications and I	Electronics Equipment	t (4)				C	Calibration Facilitie	es		
Program Elements:			Code:	Other Related Pro	gram Elements:						
0206315M Fo	rce Service Support Group		Α								
	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty											
Gross Cost	9.6		2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.1
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	9.6		2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.1
Initial Spares											
Total Proc Cost	9.6		2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.1
Flyaway U/C											
Wpn Sys Proc U/C											

Traceability for each measurement capability must be verified and this capability must reside in the calibration equipments in the AN/TSM 198/197. Currently these facilities have 23 calibration and repair workstations consisting of 2500 items. These workstations support 1200 different models of TMDE and cover 26 measurement areas. This program provides the funding to procure calibration equipment and upgrades to the calibration and repair workstations in response to new requirements, technology upgrades, insertions and modernization.

BLI 446000 Calibration Facilities was consolidated into BLI 418100 Repair and Test Equipment beginning in FY06.

	EXNIDIT	P-40, Budget	item Justific	ation Snee					February 2006	i	
Appropriation / Budget Activity/	/Serial No:		•		P-1 Item Nomencla	ture:		·		•	
Procurement, Marine Corp	os (1109) / Communications and I	Electronics Equipment	t (4)				C	Calibration Facilitie	es		
Program Elements:			Code:	Other Related Pro	gram Elements:						
0206315M Fo	rce Service Support Group		Α								
	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty											
Gross Cost	9.6		2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.1
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	9.6		2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.1
Initial Spares											
Total Proc Cost	9.6		2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.1
Flyaway U/C											
Wpn Sys Proc U/C											

Traceability for each measurement capability must be verified and this capability must reside in the calibration equipments in the AN/TSM 198/197. Currently these facilities have 23 calibration and repair workstations consisting of 2500 items. These workstations support 1200 different models of TMDE and cover 26 measurement areas. This program provides the funding to procure calibration equipment and upgrades to the calibration and repair workstations in response to new requirements, technology upgrades, insertions and modernization.

BLI 446000 Calibration Facilities was consolidated into BLI 418100 Repair and Test Equipment beginning in FY06.

	Exhibit	P-40, Budget	Item Justific	cation Shee	t		Date:		February 200	6	
Appropriation / Budget Activity	/Serial No:				P-1 Item Nomencla	ture:					
Procurement, Marine Corps (1	109) / Communications and Electron	ics Equipment (4)					COM	IBAT SUPPORT SY	STEM		
Program Elements:			Code:	Other Related Pro	gram Elements:						
0206313M Marine 0	Corps Communication Equipment		В								
	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty											
Gross Cost	0.0		0.0	24.6	14.3	26.9	22.6	16.7	21.1	Cont.	Cont.
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	0.0		0.0	24.6	14.3	26.9	22.6	16.7	21.1	Cont.	Cont.
Initial Spares			0.0	0.2	0.0	0.2	0.0	0.0	0.0		
Total Proc Cost	0.0		0.0	24.8	14.3	27.1	22.6	16.7	21.1	Cont.	Cont.
Flyaway U/C											
Wpn Sys Proc U/C											

GLOBAL COMBAT SUPPORT SYSTEM-MARINE CORPS (GCSS-MC):

GCSS-MC is the physical implementation of the enterprise information technology architecture designed to support both improved and enhanced MAGTF Combat Service Support functions and MAGTF Commander and Combatant Commander/Joint Task Force (JTF) combat support information requirements. As such, GCSS-MC is not a single system but a portfolio of information technology capabilities tied to discrete performance measures that support required combat service support mission objectives.

The integrated logistics cost analysis provided the foundation for logistics transformation within the Marine Corps and established a compliance response to Defense Reform Initiative Directive 54 (DRID 54), directing that logistics transformation be accomplished throughout the service components. Immediately following the guidance of DRID 54, the GCSS Capstone Requirements Document (GCSS-CRD) was approved by the JROC. GCSS-MC is the IT solution to accomplish the transformation and GCSS objectives.

GCSS-MC is an integrated set of capabilities. The capabilities will be implemented through a bottoms-up (programs of record) approach within a portfolio of systems. The portfolio of systems contributes to the primary capabilities of GCSS-MC. External portfolios will also contribute secondary to GCSS-MC capabilities through integration strategies. Primary capabilities are supply chain and combat service support oriented.

Secondary capabilities and aspects of some of the above are achieved through integration with the Manpower, Acquisition and other portfolios as well as integration with Joint and other Service systems. This integration will migrate the current Theater Medical Information Program (TMIP), Total Force Data Warehouse (TFDW), Total Force Structure Management System (TFSMS), and Automated Information Technology (AIT) to an integrated system over the long-term. The capabilities are to be matched against current systems remaining after the system realignment and categorization process and then assessed for compliance, alignment and cost effectiveness versus readily available COTS and GOTS products. The GCSS-MC portfolio seeks to most effectively achieve the mandated requirements through provisioning of the capabilities not extending specific systems.

NOTE: BLI 461700 is a consolidation of BLI 461400 Global Combat Support System and BLI 464100 Intelligence C2 Systems beginning in FY06.

\$3,624M of FY06 funds are available to forward finance the FY07 GCSS-MC efforts.

		Date:	
Exhibit P-40, Budget Item Justification Sheet	:	Febr	ruary 2006
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4)	P-1 Item Nomenclature:		
0206313M Marine Corps Communication Equipment		COMBAT SUPPORT SYSTEM	M

Automated Information Technology (AIT) encompasses a variety of read and write data storage technologies that can be used to improve the accuracy, timeliness and handling of combat service support and base support data. These technologies include barcodes, magnetic stripes, integrated circuit cards, optical memory cards and radio frequency (RF) identification tags. AIT also includes hardware and software required to create the storage devices, read the information stored on them and integrate that information with other logistics data. It also includes the use of satellites to track and redirect shipments. AIT devices offer a wide range of data storage capacities from a few characters to thousands of bytes. The information on each device can range from a single part number to a self-contained database. The devices can be interrogated using a variety of means, including contact, laser or RF with the information obtained from those interrogations provided electronically to AIS's.

Shared Data Environment is a component of the Global Combat Support System - Marine Corps (GCSS-MC). It will support data warehousing technologies and products to provide one-stop shopping for data supporting CSSE/SE decision-making processes. It will stage CSSE/SE data and integrate decision support tools (DST) to enable command and control (C2), situational awareness, and total asset visibility at all levels of command, from the Combatant Commander to the Company Commander. The establishment of the CSSE SDE will eliminate the need for individual applications to perform these tasks for themselves and will contribute to a more cost-effective, efficient application development environment.

Theater Medical Information Program (TMIP) provides clinical data collection and data transport capability at Care Echelons 1 (BAS), 2 (Field Hospital) and 3 (In-Theater, Rear Area Hospital) in a combat or hostile environment involving deployed forces. Medical data transport will be accommodated by collection of medical services data using a form of "electronic data carrier," Information Technology (IT) and communications infrastructure, and computer hardware, including the SIPRNET and secure Local Area Networks (LANs) within a Combatant Commander's Theater of Operations.

Models is designed to manage acquisition of information technology capabilities for the modernization of processes supporting the lifecycle of Marines from recruiting, accession, promotions, separations, retirements, performance evaluations. Efforts supported must include thorough review and analysis of business processes, re-engineering processes where technology can be leveraged for improvements. The funding in Models will provide the technical solution for process improvement and will strategically align manpower systems/functional process modules with the C4 architecture.

Total Force Administration System (TFAS) Commanders, staffs and individual Marines (active, reserve, retired) will use TFAS while conducting centralized and decentralized processing of payroll and personnel administration information. This centralized database assists decision-making by providing improved quality of life services to the Marines. TFAS will integrate and share information between the Marine Corps Total Force System (MCTFS) and other databases such as the Personnel Evaluation System (PES) and the Manpower Order Writing System.

Exhibit	P-40a, Bud	lget Ite	em Justificat	ion for Ag	gregated I		Date:		Februar	ry 2006		
Appropriation / Budget Activity					P-1 Item Nomeno	clature:						
Procurement, Marine Corps (1109) / Communications a			nt (4)				С	OMBAT SUP	PORT SYSTE	М		
Procurement Items	Code	UOM	Prior Years	FY 2005	FY 2006	FY 2007					To Complete	Total Prog
		Q										
FLOOD LIGHT SET UPGRADE	А	D	0.0	0.0	2.1	1.0					Cont	Cont
		Q										
MODELS	А	D	0.0	0.0	0.2	0.2					Cont.	Cont.
		Q										
SHARED DATA ENVIRNMENT (SDE)	А	D	0.0	0.0	1.3	0.0					Cont.	Cont.
		Q										
THEATER MEDICAL INFORMATION PROGRAM (TMIP)	А	D	0.0	0.0	0.6	2.2					Cont.	Cont.
		Q										
TOTAL FORCE ADMINSTRATION SYSTEM (TFAS)	А	D	0.0	0.0	0.7	1.1					Cont.	Cont.
		Q										
Totals			0.0	0.0	4.9	4.6						
												<u> </u>

Exhibit P-5,		tion/ Budget Activity/Serial			P-1 Line Item Nor			Weapon System	Туре:	Date:	
Cost Analysis		EMENT, MC(1109) / Com t (4) GCSS-MC	munications and Elect	ronic		GCSS					February 2006
Weapon System	ID	PRIOR YRS		FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
GLOBAL COMBAT SUPPORT SYSTEM- MARINE CORPS (GCSS-MC): LOGISTICS CHAIN MANAGEMENT Hardware						2500	VAR	VAR			
Software						2500	VAR	VAR			
Operations Planning/Preparation/Testing Systems Installation Systems Training Specialized Hardware (Secret And Below Information (SABI) Guard						550 1925 1186 2500					
LOGISTICS COMMAND AND CONTROL SYS											
Systems Training Systems Installation						500 500					
Automated Information Technology (AIT) Software Licenses (enterprise non oracle) Hardware Equipment (Non NMCI) Program Support	А					1505 5149 885	VAR VAR	VAR VAR		VAR VAR	VAR VAR
TOTAL ACTIVE RESERVE						19700 19700			9736 9736		

it P-5a. Budget Procureme	nt History a	and Planning					F	hruary	2006
cu,gococ				P-1 Line Item	Nomenclature	:	1 (biuaiy	2000
nd Electronic Equipment (4) GCSS-MC		GCSS			GLOBA	L COMBAT SUPPO	RT SYST	EM	
Contractor and Location	Contract	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs	Date	RFP Issu
	and Type			Delivery	Each	\$	7 (Vall)	Avail	Ballo
TBD	TBD		TBD	TBD	Various	Various	N/A	N/A	N/A
TBD	TBD		TBD	TBD	Various	Various	N/A	N/A	N/A
									N/A
TBD	FFP	Quantico	TBD	TBD	Various	Various	N/A	N/A	N/A
									N/A N/A
		Quantito	1 65 07	155	vanous	vanous	14/71	14//	14/71
	Contractor and Location	TBD	TBD TFP Quantico TBD TBD TFP Quantico	Weapon System Type: GCSS Contractor and Location TBD TBD TBD TBD TBD TBD TBD TBD TBD TB	Weapon System Type: Contractor and Location Contract Method and Type TBD TBD TBD TBD TBD TBD TBD TBD TBD TB	Weapon System Type: Contractor and Location Contract Method and Type TBD TBD TBD TBD TBD TBD TBD TBD TBD TB	Weapon System Type: GCSS Contract Method and Type TBD TBD TBD TBD TBD TBD TBD TBD TBD TB	Weapon System Type: Contractor and Location Contract Method and Type TBD TBD TBD TBD TBD TBD TBD TBD TBD TB	Weapon System Type: Contractor and Location Contract Method and Type TBD TBD TBD TBD TBD TBD TBD TBD TBD TB

REMARKS:

The Contractor information is TBD because the Marine Corps is exploring an opportunity to procure the hardware and software via the Marine Corps Hardware Suite contract vice the existing contract.

There are \$13.314M in FY05 (in LI 4614) and \$3.624M in FY06 available to forward finance the FY07 GCSS-MC effort. These funds will be placed on contract in FY07.

						Date:				
	Exhibit P-40	, Budget Item J	ustification	Sheet				February 200	6	
Appropriation / Budget Activity/	Serial No:			P-1 Item Nomencla	ture:	•				
Procurement, Marine Corps (17	109) / Communications and Electron	ics Equipment (4)					MOD KITS			
Program Elements:		Code:	Other Related Prog	ram Elements:						
0206313M Marine C	Corps Communication Equipment	А								
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty										
Gross Cost	42.0	0.0	25.4	17.5	12.1	8.0	6.2	8.6	Cont	Cont
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	42.0	0.0	25.4	17.5	12.1	8.0	6.2	8.6	Cont	Cont
Initial Spares	7.2	0.0	1.3	0.5	0.5	0.5	0.4	0.4	Cont	Cont
Total Proc Cost	49.2	0.0	26.6	17.9	12.6	8.5	6.6	9.0	Cont	Cont
Flyaway U/C										
Wpn Sys Proc U/C										

Modifications under this line are for the purpose of correcting equipment deficiencies noted after new items are fielded, or to increase operational capabilities of end items previously fielded. The funding profile supports modifications to the following intelligence systems. All items are Code A.

Intelligence Analysis System Mod (IAS MOD)

Joint Surveillance Target Attack Radar System (JSTARS)

Technical Control & Analysis Center PIP (TCAC-PIP)

Tactical Electronic Reconnaissance Processing and Evaluation System (TERPES)

Intelligence System Readiness (ISR)

Communication Emitter Sensing Attack System (CESAS)

Mobile Electronic Warfare Support System (MEWSS)

Biometric Automated Tool Kit

BLI 463600 Modification Kits (MAGTF C41) and BLI 474900 Modification Kits (INTELL) were consolidated into BLI 465200 Mod Kit beginning in FY06. FY06 Title IX Funds Received: \$3.0M

								Date:				
Exhibit P-40a, Budge	t Iten	n Justifica	tion for A	ggregated	ltems					February 2006		
Appropriation / Budget Activity						P-1 Item Nome	enclature:					
Procurement, Marine Corps (1109) / Communications			nt (4)						MOD	KITS		
Procurement Items	Code	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
INTELLIGENCE SYSTEMS READINESS	Α	0.0		0.0	4.0	3.6					Cont	Cont
SEE BLI 474900 FOR FY05 AND PRIOR												
JOINT SURVEILLANCE TARGET ATTACK RADAR SYSTEM	Α	7.3		0.0	4.2	0.0					Cont	Cont
SEE BLI 474900 FOR FY05 AND PRIOR												
AN/MLQ-36A MEWSS	Α	25.2		0.0	1.3	0.2					0.0	26.8
SEE BLI 463600 FOR FY05 AND PRIOR	Α											
AN/TSQ-90 TERPES	Α	10.6		0.0	3.0	0.0					Cont	Cont
SEE BLI 474900 FOR FY05 AND PRIOR												
TCAC PIP	Α	3.9		0.0	0.9	3.9					Cont	Cont
SEE BLI 474900 FOR FY05 AND PRIOR												
Biometric Automated Tool Kit	Α			0.0	3.0	0.0						
Total				0.0	16.4	7.8						
_												

Exhibit P-5,		Appropriation/	Budget Activity	/Serial No	:			P-1 Line Item N	Nomenclature:		Weapon System	Type:	Date:	
Cost Analysis		Procurem	ent, Marine	Corps	(1109) / Cor	nmunicatior	ns and		MOD KIT				F-1	
			Elect		quipment (4)								uary 2006
Weapon System	ID	PYs		FY 04			FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost		Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	-	\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
IAS (FOS)														
- Multilevel Security									2400	12	200000	2600	13	200000
Hardware														
- IAS FOS Workstations												785	238	3300
System Installation												1484		
Program and Logistics Support									1235			384		
TOTAL									3635			5253		
ACTIVE RESERVES									3635			5253		
RESERVES														

	Exhibit P-5a, Budget Procureme	nt History a	and Planning					Date:	ebruary	2006
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / 0	Communications and Electronics Equipment (4)	Weapon Syst			P-1 Line Item	n Nomenclatur	e: IAS		Bullary	2000
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First		Unit Cost	Specs Avail?	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
IAS										
FY06 Multi-Level Security	MTC	FFP	Stafford, VA	Dec-05	Apr-06	12			N/A	FY05
FY07 Multi-Level Security	MTC	FFP	Stafford, VA	Dec-06	Apr-07	13	200000	NO	N/A	N/A
DEMARKS	•	•	•						-	
REMARKS:										

FY 07 BUDGET EXHIBIT P			J. 1 O																						Febru	uary :	2006				
Appropriation Code/CC/BA/BSA/Iter Procurement, Marine Corps (1109) /	n Control No.						Wea	pon :	Syste	m				P-1 l	ltem	Nom	encla	ature:			М	OD I	KIT	(IAS	S)						
							PI	ROD	UCT	ION	I RA	TE			PI	ROC	URE	MEN	JT L	EAD [°]				(17 (1	<u>, </u>						—
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AS FOS Multi-Level Security (FY07)	TBD							_		-	_	0					2			4					1		6				
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AS FOS Multi-Level Security		FY06	MC	12	0	12															Α				4	4	4				
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AS FOS Multi-Level Security		FY07	MC	13	0	13			Α				4	4	4	1															
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Exhibit P-5,	T	Appropriation/ I	Budget Activity	Serial No				P-1 Line Item N	Nomenclature:		Weapon System	туре:	Date:	
Cost Analysis		Procureme	ent, Marine	Corps ((1109) / Cor	nmunication	s and	МС	DD KIT CESAS				Fahr	
_			Electi		quipment (4)								uary 2006
	ID	PYs		FY 04			FY 05			FY 06			FY 07	
Cost Elements	CD			Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
CESAS FLAMES Platform/System Integrator Kit AN/USQ-146 - Radio Threads - Training Simulator									1885 3085 345	5	377000 617000 3125	2468	4 4	
TOTAL ACTIVE RESERVES									5315 5315			4421 4421		

	Exhibit P-5a, Budget Procurement	History a	nd Planning					Date:	hruor:	2006
Appropriation / Budget Activity/Serial No:	Exhibit 1-3a, Budget 1 Toculement	Weapon Syst			D 1 Line Item	Nomenclature	٠.	F	ebruary	2006
	Communications and Electronics Equipment (4)	vvcapon cyst	от туро.		r-1 Line item	Nomenciature	CESAS			
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs	Date	RFP Issu
	Contractor and Location	Method	Location of PCO	Award Date				Avail?	Revsn	Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
CESAS										
FY06 Platform Integrator Kit	SPAWARS Charleston	FFP	SPAWARS	Dec-05	May-06	5			N/A	
FY07 Platform Integrator Kit	SPAWARS Charleston	FFP	SPAWARS	Dec-06	May-07	4	488250	Yes	N/A	
FY06 AN/USQ-146	Rockwell Collins,Cedar Rapids IA	FFP	MCSC	Dec-05	Aug-06	5	617000	Yes	N/A	N/A
FY07 AN/USQ-146	Rockwell Collins,Cedar Rapids IA	FFP	MCSC	Dec-06		4	617000		N/A	N/A
REMARKS:									-	

FY 07 BUDGET EXHIBIT F	2-21, PRODUCTI	ION S	CHE	DULE																Date	e:				Febru	ıarv '	2006				
Appropriation Code/CC/BA/BSA/Ite Procurement, Marine Corps (1109)							Wea	ipon (Syste	m				P-1	Item	Nom	encla	ture:			MOI	א כ	T (C			Jaiy 2	-000				
-rocurement, Manne Corps (1109)	/						DI	D\U	UCT	ION	١ Þ ٧.	TE			DI	200	URE	MEN	UT L				1 (C	,EO	A3)						—
TEM	Manufacturer's N.	AME / LO	CATION				t	SR		ON		AX		T P	rior	ΑL	T Af	ter		nitia fg Pl	ı	R	eord			TO	TAL		Uni Mea		
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PLATFORM INTEGRATION K	113	FYU/	MC	4	0	4	-		Α	_	<u> </u>			2	2										-	<u> </u>					-
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	Exhibit P-	40, Budget Item .	Justification	Sheet		Date:		February 2006		
Appropriation / Budget Activity	/Serial No:			P-1 Item Nomenclat	ure:					
Procurement, Marine Corps (1	109) / Communications and Elect	tronics Equipment (4)				GLOBAL COM	BAT SUPPORT SYS	STEM (GCSS)		
Program Elements:		Code:	Other Related Prog	ram Elements:						
0206313M Marine Corps Corr	nmunication Equipment	В								
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty										
Gross Cost	12.1	44.2	0.0	0.0	0.0	0.0	0.0	0.0		
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	12.1	44.2	0.0	0.0	0.0	0.0	0.0	0.0		
Initial Spares	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Total Proc Cost	12.1	44.2	0.0	0.0	0.0	0.0	0.0	0.0		
Flyaway U/C										
Wpn Sys Proc U/C										

GLOBAL COMBAT SUPPORT SYSTEM-MARINE CORPS (GCSS-MC)

GCSS-MC is the physical implementation of the enterprise information technology architecture designed to support both improved and enhanced Marine Air Ground Task Force (MAGTF) Combat Service Support functions and MAGTF Commander and Combatant Commander/Joint Task Force (JTF) combat support information requirements. As such, GCSS-MC is not a single system but a portfolio of information technology capabilities tied to discrete performance measures that support required combat service support mission objectives.

The integrated logistics cost analysis provided the foundation for logistics transformation within the Marine Corps DoD. The GCSS Capstone Requirements Document (GCSS-CRD) was approved by the JROC. GCSS-MC is the IT solution to accomplish the transformation and GCSS objectives.

GCSS-MC is an integrated set of capabilities. The capabilities will be implemented within a bottoms-up (programs of record) approach within a portfolio of systems. The portfolio of systems contributes to the primary capabilities of GCSS-MC. External portfolios will also contribute secondary to GCSS-MC capabilities through integration strategies. Primary capabilities are supply chain and combat service support oriented.

Secondary capabilities and aspects of some of the above are achieved through integration with the Manpower, Acquisition and other portfolios as well as integration with Joint and other Service systems. This integration will migrate the current Theater Medical Information Program (TMIP), Total Force Data Warehouse (TFDW), and Total Force Structure Management System (TFSMS), and Automated Information Technology (AIT) to an integrated system over the long-term. The capabilities are to be matched against current systems remaining after the system realignment and categorization process and then assessed for compliance, alignment and cost effectiveness versus readily available COTS and GOTS products. The GCSS-MC portfolio seeks to most effectively achieve the mandated requirements through provisioning of the capabilities not extending specific systems.

NOTE: Programs in BLI 461400 have been transferred to BLI 461700 beginning in FY06 due to the consolidation of PMC Line Items.

FY05 Supplemental Received: \$35.5M

\$13.314M of FY05 funds are available to forward finance the FY07 GCSS-MC efforts.

Exhibit P-40, Budget Item Justification Sheet		Date: February 2006
Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:	
Procurement, Marine Corps (1109) / Communications and Electronics Equipment (4)		GLOBAL COMBAT SUPPORT SYSTEM (GCSS)

Automated Information Technology (AIT)/Radio Frequency Identification (RFID) encompasses a variety of read and write data storage technologies that can be used to improve the accuracy, timeliness and handling of combat service support and base support data. These technologies include barcodes, magnetic strips, integrated circuit cards, optical memory cards and radio frequency (RF) identification tags. AIT also includes hardware and software required to create the storage devices, read the information stored on them and integrate that information with other logistics data. It also includes the use of satellites to track and redirect shipments. AIT devices offer a wide range of data storage capacities from a few characters to thousands of bytes. The information on each device can range from a single part number to a self-contained database. The devices can be interrogated using a variety of means, including contact, laser or RF with the information obtained from those interrogations provided electronically to AIS's.

Shared Data Environment is a component of the Global Combat Support System - Marine Corps (GCSS-MC). It will support data warehousing technologies and products to provide one-stop shopping for data supporting CSSE/SE decision-making processes. It will stage CSSE/SE data and integrate decision support tools (DST) to enable command and control (C2), situational awareness, and total asset visibility at all levels of command, from the Combatant Commander to the Company Commander. The establishment of the CSSE SDE will eliminate the need for individual applications to perform these tasks for themselves and will contribute to a more cost-effective, efficient application development environment.

Total Force Structure Management System (TFSMS) is a system that replaces four (4) existing systems: Table of Manpower Requirements (T/MR), Logistics Management Information System (LMIS), Trooplist System, and Manning Level Process (MLP) system. The result will be a consolidated management of Tables of Organization (T/O) and Tables of Equipment (T/E) via a single system, allowing coordination of manpower and material solutions for a requirement based Marine Corps.

Theater Medical Information Program (TMIP) provides clinical data collection and data transport capability at Care Echelons 1 (BAS), 2 (Field Hospital), and 3 (In-Theater, Rear Area Hospital) in a combat or hostile environment involving deployed forces. Medical data transport will be accommodated by collection of medical services data using a form of "electronic data carrier," Information Technology (IT) and communications infrastructure, and computer hardware, including the SIPRNET and secure Local Area Networks (LANs) within a Combatant Commander's Theater of Operations.

Exhibit P-40a,	Budç	get Iter	m Justifica	tion for Ag	gregated It	tems	Date:		Septem	ber 2005		
Appropriation / Budget Activity					P-1 Item Nomencl	ature:	•					
Procurement, Marine Corps (1109) / Communications and Electronic Equ	ipment	(4)					CLO	BAL COMBAT SUF	PPORT SYSTEM (G	GCSS)		
Procurement Items	Code	UOM	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
AUTOMATED INFORMATION TECHNOLOGY (AIT)	Α	D	4.9	3.6							Cont	Cont
		Q										
SHARED DATA ENVIRONMENT (SDE)	Α	D	0.6	0.0							Cont	Cont
		Q										
THEATER MED INFO PROGRAM (TMIP)	Α	D	1.1	2.1							Cont	Cont
		Q									<u> </u>	
TOTAL FORCE STRUCTURE MANAGEMENT SYSTEM (TFSMS)	Α	D	0.0	4.8							Cont	Cont
		Q										
Totals				10.5								

Exhibit P-5,		Appropriation/ Budget A	ctivity/Serial No:		P-1 Line Item Nomeno	clature:		Weapon System Ty	pe:	Date:	
Cost Analysis		PROCUREMENT, MC(1109) / Communications	and		GCSS				Febr	uary 2006
		Electronic Equipment (4) GCSS-MC	E)/ 05			E)/ 00				uai, 2000
Weapon System	ID CD	PYs	T-4-104	FY 05	LI-iO4	T-1-101	FY 06	11-304	T-4-104	FY 07	H-itOt
Cost Elements	CD	TotalCost \$000	TotalCost \$000	Qty Each	UnitCost \$	TotalCost \$000	Qty Each	UnitCost \$	TotalCost \$000	Qty Each	UnitCost \$
		\$000	\$000	Eauli	Ą	\$000	Eacii	y .	\$000	Eacii	Φ
GLOBAL COMBAT SUPPORT SYSTEM- MARINE CORPS (GCSS-MC):											
LOGISTICS CHAIN MANAGEMENT											
Hardware			3963	VAR	VAR						
Software		5000	3589	VAIX	VAIC						
Operations Planning/Preparation/Testing		3000									
			550								
Systems Installation			2000 1200								
Systems Training			1200								
Specialized Hardware (Secret And Below Information (SABI) Guard			2500								
LOGISTICS COMMAND AND CONTROL SYS											
		0.5	=								
Systems Training Systems Installation		230	500 500								
GCSS Logistics Modernization (VSAT)			3884	VAR	VAR						
RFID Equipment			14050	VAR	VAR						ļ
Support			950	VAR	VAK						
TOTAL		5230	33686								
ACTIVE		5230	33686								
RESERVE											
* CLC2S= Common Logistics Command and Control System											

								Date:		
Exhib	it P-5a, Budget Procuremen	t History a	nd Planning					Fe	ebruary	2006
Appropriation / Budget Activity/Serial No:		Weapon Sys	tem Type:		P-1 Line Item	Nomenclatur	e:			
Procurement, Marine Corps (1109) / Communications a	nd Electronic Equipment (4) GCSS-MC		GCSS			GLOBA	AL COMBAT SUPPO	ORT SYST	EM	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$	Avaiir	Avail	Date
Radio Frequency Identification (RFID)										
FY 05										
Hardware	SAVI TECHNOLOGY, SUNNYVALE, CA	FFP	MCSC	Jun-06	Aug-05	Various	Various	N/A	N/A	N/A
REMARKS:										

							Date:				
	Exhibit P	-40, Budget It	tem Justific	ation Sheet	:				February 20	06	
Appropriation / Budget Activity	Serial No:				P-1 Item Nomencla	ture:					
Procurement, Marine Corp	s (1109) / Communications and Ele	ctronics Equipment ((4)				ITEMS L	JNDER \$5M (CO	MM & ELEC)		
Program Elements:			Code:	Other Related Prog	gram Elements:						
0206313M Marine (Corps Communication Equipment		Α								
	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty											
Gross Cost	48.9		0.8	1.9	4.1	3.8	3.9	3.9	3.9	0.0	71.1
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	48.9		0.8	1.9	4.1	3.8	3.9	3.9	3.9	0.0	0.1
Initial Spares			0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.0	1.7
Total Proc Cost	48.9		0.8	2.2	4.4	4.1	4.2	4.2	4.2	0.0	72.9
Flyaway U/C											
Wpn Sys Proc U/C											

This is a roll-up line which contains many different and unrelated items of equipment for which the annual procurement is less than \$5 Million each. The funds included in this budget line allow procurement of the following items:

TA-838A Telephone: TA-838 was fielded in FY78 as an analog signal telephone. Because of increasing costs of repairs, exceeding \$2.2K per unit, this phone has been difficult to get funded for rebuild. With decreasing availability to the FMF, those commands that rely on the TA-838 are losing their capability to provide tactical telephone circuits (Infantry and separate support Battalions). Currently no replacement item has been identified and commands are losing the ability to operate their analog field switchboard systems with full capability. Replacement of these phones is estimated to be much more affordable than rebuilding. Currently, the unit price to procure new phones is estimated to be \$391.00 with an acquisition objective of 4722 Audio-Visual Production Equipment.

Visual Information System: This program provides equipment required by Audiovisual Units and dedicated Training Production Units. Standardizes equipment/systems and replaces worn out, unserviceable or obsolete production/acquisition equipment. Requirements are based on centrally managed program for 17 operational audiovisual units and 6 Training Production Units throughout the Marine Corps. Procurements are centrally managed and are non-developmental, Commercial/Government Off-The-Shelf (COTS/GOTS).

Public Affairs Equipment: This program provides equipment to Fleet Marine Force (FMF) Public Affairs (PA) elements for dedicated audiovisual equipment to support national security strategy and DoD, Unified Command and Marine Corps objectives in all circumstances; peacetime, training and contingencies.

OE-361 Replacement Program Supplemental Funds: OE-361 is a Mobile Quick Reaction Satellite Antenna. This requirement is to replace the current OE-361 Antenna and Mobilizer with a lightweight more mobile antenna system. These antennas are part of the wide band Super High Frequency (SHF) satellite communication terminals.

Note: Visual Information and Public Affairs Equipment were consolidated into BLI 462000 Items Under \$5M (Comm & Elec) from BLI 483700 Visual Information Systems beginning in FY06.

FY05 Contains \$0.57M of Supplemental Funding.

Exhibit P-40a, Bu	udget Item	Justific	cation for Aggr	egate	ed Items	5	Date:		Febru	ary 2006		
Appropriation / Budget Activity	an and Flantsonia F			P-	-1 Item Nome	nclature:	ITI	EMS UNDER \$5				
Procurement, Marine Corps (1109) / Communication	ID						1	INO ONDER W	IN (CONNIN & L	I		1
Procurement Items	Code	Prior Years	FY 20	05	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Pro
TA-838A TELEPHONE	D	0.4	0.4	+	0.4	0.5					0.0	1.6
	Q	960	941		1179	1179					0	4259
PUBLIC AFFAIRS EQUIPMENT	D	0.0	0.0		0.3	0.3					CONT	Cont
	Q		0		VAR	VAR					VAR	VAR
OE-361 REPLACEMENT	D	0.0	0.4	\pm	0.0	0.0					0.0	0.4
	Q		1		0	0.0					0	1
VISUAL INFORMATION SYSTEM	D	0.0	0.0	_	1.2	3.3					CONT	Cont
	Q		0		VAR	VAR					VAR	VAR
	Totals	0.4	0.8	+	1.9	4.1						
												
				+								
				\perp								
				-								

Annanciation / Budge		ibit P-40, Bud	get Item Justific		ID 4 Itaan Nasa		Date:		February 200	06	
Appropriation / Budge Procurement,	et Activity/Serial No: Marine Corps (1109)/Comr	munications and	d Electronics Equ		P-1 Item Nom	enciature:	AIR OP	ERATIONS C2	SYSTEMS		
Program Elements: 0206313M Tactio	cal Air Control Systems (Ma	arine Corps)	Code:	Other Related F	Program Eleme	nts:					
	Prior Years*		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty											
Gross Cost	16.1		21.6	17.4	41.1	50.6	81.4	71.5	70.7	Cont	Cont
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	16.1		21.6	17.4	41.1	50.6	81.4	71.5	70.7	Cont	Cont
Initial Spares	1.4		0.0	0.2	3.8	3.6	0.0	0.0	0.0	Cont	Cont
Total Proc Cost	17.5		21.6	17.6	44.9	54.2	81.4	71.5	70.7	Cont	Cont
Flyaway U/C											
Wpn Sys Proc U/C											

Marine Air Command and Control (MACCS) Sustainment - Consists of various command and control units designed to provide the Aviation Combat Element (ACE) commander with the ability to monitor, supervise and influence the application of Marine aviation assets in support of MAGTF operations. The MACCS Sustainment program provides the capability to keep these Aviation Combat Elements ready, relevant and capable until their functions are replaced by the Common Aviation Command and Control System (CAC2S).

Theater Battle Management Core Systems (TBMCS) Contingency Theater Automated Planning System (CTAPS) - Air war planning tool for the generation, dissemination and execution of the Air Tasking Order (ATO). It is the follow-on system to CTAPS. TBMCS is an Air Force lead program, which provides the automated tools necessary to manage tactical air operations, execute area air defense and airspace management in the tactical area of operation, and coordinate operations with components of other military services. TBMCS is located at the Tactical Air Command Center (TACC), with remotes located throughout the Marine Air Ground Task Force (MAGTF). It is scaleable, allowing for joint, coalition and service specific operations. It is an evolutionary acquisition program, with TBMCS V1.0.1 being the core that will be built upon.

Composite Tracking Network (CTN) - Formerly known as Cooperative Engagement Capabilities (CEC) supports adaptation of the U.S. Navy's Cooperative Engagement Transmission Processing System (CTEPS) to meet USMC's need by providing a sensor networking capability to allow USMC participation in a cooperative engagement environment. CTN will provide the capability to receive, generate, and distribute composite tracking data to C2 and weapon platforms, and to provide information derived from organic sensors and other forces' sensors to improve real-time Situational Awareness.

The Common Aviation Command and Control System (CAC2S) will provide a complete and coordinated modernization effort for the equipment of the Marine Air Command and Control System (MACCS) to support its employment in future battlefield environments. CAC2S will eliminate the current dissimilar aviation command and control systems and will add capability for aviation combat direction and air defense functions. CAC2S will be comprised of standardized tactical facilities, hardware and software and will significantly reduce the physical size and logistical footprint of existing MACCS equipment suites. CAC2S will be an open architecture system.

- -- One CAC2S system is defined as the equipment required to support one Marine Aircraft Wing's air command and control requirements. By definition, each active Marine Aircraft Wing will receive one CAC2S system comprised of 15 subsystems each.
- -- Due to different unit composition, the 4th Marine Aircraft Wing (Reserves) will also receive one CAC2S system, comprised of 18 subsystems.
- -- One CAC2S system, 18 subsystems, will be divided between MCTSSA and MCCES.

Air Defense Communications Platform (ADCP) - Lightweight, mobile, joint tactical digital information distribution system hub for the Marine Air Control Squadron (MACS). Provides dissemination of ballistic missile tracking information and anti-air missile cueing.

BLI 468900 Common Aviation Command and Control System is consolidated with BLI 464000 Air Operations C2 Systems beginning in FY06.

FY 2005 Supplemental Funding: \$19.0M FY06 Title IX Funding Received: \$5.0M

Exhibit P-5,		Appropriation/ Budget			P-1 Line Item No			Weapon System	Type:	Date:	
Cost Analysis		Procurement, Marin	e Corps (1109)/Commi	unications	AIR OPER	ATIONS C2 SYST	ΓEMS			Febr	uary 2006
	ID		tronics Equipment (4)	FY 05		ſ	FY 06		<u> </u>	FY 07	, 2000
Weapon System	CD	Prior Yrs	TatalCast		LlaitCaat	TatalCast	Qty	UnitCost	TotalCost		Lla:tCaat
Cost Elements	CD	TotalCost	TotalCost \$000	Qty	UnitCost	TotalCost \$000			\$000	Qty	UnitCost
Common Aviation Command and Control System		\$000	\$000	Each	\$	\$000	Each	\$	33247	Each 15	\$ 221646
Language Itama						0700			33247	15	221040
Long Lead Items						3708					
Contractor Logistics									2284		
TBMCS											
V1.1.3 Licenses			961								
V1.1.3 Peripheral Hardware			2223								
V1.1.3 PC Server and Client Hardware			752								
CEOSS Contractor Support						3332			1925		
Operation Fielding and Training Support						1641			945		
1.1.3 Hardware Refresh Compt.						1314			763		
TOTAL			3936			9995			39164		
Active			3936			9995			39164		
Reserve											
l											
l											
							1	1			

Exhibit P-5, Cost Analysis			Activity/Serial No: ne Corps (1109)/Commur atronics Equipment (4)	ications and	P-1 Line Item Nomeno AIR OPE	lature: :RATIONS C2 SYSTEI	MS	Weapon System Type:	:	Date: Feb	ruary 2006
Weapon System	ID	Prior Yrs		FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost \$000	TotalCost \$000	Qty Each	UnitCost	TotalCost \$000	Qty Each	UnitCost	TotalCost \$000	Qty Each	UnitCost
MACCS SUSTAINMENT		<u> </u>	<u> </u>	Lacii	y	¥000	Lacii	ų.	\$000	Lacii	J
Production		7354									
Hardware Refresh											
TAOM COTS Refresh (CITR I & III)			5020	31	161935						
TAOM Control Unit (CU) RePLACE Procurement						1000	80	12500			
TAOM Environmental Control Unit (ECU) Pallet ECP						1092	31	35226			
Sector Anti-Air Warfare Facility (SAAWF) COTS Refresh			2622	10	262200						
SAAWF COTS Refresh Multi Radar Tract (MRT) Procurement			500 1500	10 10	50000 150000						
SAAWF Support Equipment						1093	10	109300			
Commander's Tactical Terminal (CTT) Host Computer Replacement						250	10	25000			
Comm Data Link System (CDLS) COTS Refresh			1704	6	284000	486	6	81000			
ADCP COTS Refresh			157	16	9813						
ADCP COTS Refresh			1005	16	62813						
ADCP Joint Range Extension (JRE) Procurement			350	16	21875	1300	16	81250			
MCTSSA JRE Technical Support Plan (TSP)			65								
Comm Distribution System (CDS) Replacement ***Direct Air Support Center Airborne Suite (DASCAS) ***A2293 MACCS Shelters ***A2233 MACCS Shelters CEOss Contractor Support			1190			800 949 399	5 2 2	160000 474500 200000	1892	2 89	2125
MACCS ISEA Fiber Optic Repair Kits			2380 168								
TAOM Omnibus Contract closeout			30								
Modification Kits TAOM Interface Units TAOC GPS/UTC Integration Kits ADCP(EP) Modification Kits			371 297 266	27 31 16	13741 9581 16625						
TOTAL Active Reserve Note*: FY05 PMC Supplemental funds totaling \$10.8M Note**: FY05 PMC Air Operations C2 Systems Supplemental Funds \$500K Note***: FY06 PMC Air Operations C2 Systems Supplemental Funds \$2.148M		7354	17625			7369			1892		

Ext	nibit P-5a, Budget Procuremen	t Historv ar	nd Planning					Date:	ebruary	2006
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109)/Communic		Weapon System			P-1 Line Item	Nomenclature AIR	e: OPERATIONS C2 S	-		2000
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Iss
Fiscal Years		and Type			Delivery	Each	\$	Avaiir	Avail	Date
FY07										
CAC2S	Raytheon, San Diego, CA	CCFP	MCSC, Quantico, VA	Jul-07	Jun-08	15	2216467	Υ	N/A	N/A
FY05										
V1.1.3 Peripheral Hardware	Northrup Grumman Computing Systems Greenbelt, MD	FFP	MCSC Quantico, VA	Various	Various	Various	Various	N	N/A	N/A
V1.1.3 PC Server and Client Hardware	Northrup Grumman Computing Systems Greenbelt, MD	FFP	MCSC Quantico, VA	Various	Various	Various	Various	N	N/A	N/A
V1.1.3 PC Server and Client Hardware	Northrup Grumman Computing Systems Greenbelt, MD	FFP	MCSC Quantico, VA	Various	Various	Various	Various	N	N/A	N/A
REMARKS:	•									

	Exhibit P-5a, Budget Procuremen							Date:	ebruary	2006
Appropriation / Budget Activity/Serial No: Procurement Marine Corps (1109)/0	Communications and Electronics Equipment (4)	Weapon System	Type:		P-1 Line Item	Nomenclatur AIR	e: OPERATIONS C2	SYSTEMS	3	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs	Date	RFP Issu
Fiscal Years	Contractor and Education	and Type	Location of FGO	Award Date	Delivery	Each	\$	Avail?	Revsn Avail	Date
FY06 Supplemental		and Type			Delivery	Lacii	Ψ		Avaii	
DASCAS	NSWC, Crane, In	FFP	MCSC, Quantico, VA	Jun-06	Sep-06	5	160000	N	N/A	N/A
A2293 MACCS Shelters	NSWC, Crane, In	FFP	MCSC, Quantico, VA	Jun-06	Sep-06	2			N/A	N/A
A2233 MACCS Shelters	NSWC, Crane, In	FFP	MCSC, Quantico, VA	Jun-06		2			N/A	N/A
FY07										
	NSWC, Crane, In	FFP	MCSC, Quantico, VA	Oct-06	Dec-06	89	21258	N	N/A	N/A
CDS Refresh Kits	NSWC, Crane, In	FFP	MCSC, Quantico, VA	Oct-06	Dec-06	89	21258	N	N/A	N/A
ı										
REMARKS:								<u> </u>		
NEWANIO.										

Exhi	ibit P-5a, Budget Procurement	: History ar	nd Planning					Date:	ebruary	2006
Appropriation / Budget Activity/Serial No:		Weapon System	•		P-1 Line Item	Nomenclature	e:		bluary	2000
Procurement, Marine Corps (1109)/Communica	ations and Electronics Equipment (4)					AIR (OPERATIONS C2	SYSTEMS	3	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Iss Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
FY05										
CDLS COTS Refresh Kits	Mission Research Corporation	FFP	MCSC, Quantico, VA	Jun-05	Sep-05	6	300000	N	N/A	N/A
TAOM GPS/UTC Installation Kits	Northrop Grumman, Woodland Hills. CA	FFP	MCSC, Quantico, VA	Jun-05	Sep-05	31	12097	Υ	N/A	N/A
ADCP(EP) Modification Kits (ADCP side only)	NSWC, Crane, In	FFP	MCSC, Quantico, VA	Jun-05	Sep-05	15	40000	N	N/A	N/A
ADCP COTS Refresh Kits (partial funding)	NSWC, Crane, In	FFP	MCSC, Quantico, VA	Jun-05	Sep-05	16	9813	N	N/A	N/A
ADCP JRE Procurement	NSWC, Crane, In	FFP	MCSC, Quantico, VA	Jun-05	Sep-05	16	9813	N	N/A	N/A
MCTSSA JRE TSP	Camp Pendleton, CA	FFP	MCSC, Quantico, VA	Oct-04	N/A	N/A	N/A	N	N/A	N/A
CEOss Contractor Support	Northrop Grumman, Stafford, VA	FFP	MCSC, Quantico, VA	Oct-04	N/A	N/A	N/A	Ν	N/A	N/A
MACCS ISEA	NSWC, Crane, In	FFP	MCSC, Quantico, VA	Oct-04	N/A	N/A	N/A	Ν	N/A	N/A
Fiber Optic Repair Kits	NSWC, Crane, In	FFP	MCSC, Quantico, VA	Oct-04	N/A	N/A	N/A	N	N/A	N/A
TAOM Omnibus Contract closeout	Northrop Grumman, Woodland Hills CA	FFP	MCSC, Quantico, VA	N/A	N/A	N/A	N/A	N	N/A	N/A
FY05 Supplemental										
TAOM COTS Refresh (CITR I & III)	Northrop Grumman, Woodland Hills, CA	FFP	MCSC, Quantico, VA	Jun-05	Sep-05	31	114935	N	N/A	N/A
TIU Modification Kits	Northrop Grumman, Woodland Hills, CA	FFP	MCSC, Quantico, VA	Jun-05	Sep-05	27	15000	N	N/A	N/A
SAAWF COTS Refresh	Northrop Grumman, Woodland Hills, CA	FFP	MCSC, Quantico, VA	Jun-05	Sep-05	10	262200	N	N/A	N/A
SAAWF COTS Refresh	Northrop Grumman, Woodland Hills, CA	FFP	MCSC, Quantico, VA	Jun-05	Sep-05	10	50000	N	N/A	N/A
MRT Procurement	Northrop Grumman, Woodland Hills, CA	FFP	MCSC, Quantico, VA	Jun-05	Sep-05	10	150000	N	N/A	N/A
ADCP COTS Refresh	NSWC, Crane, In	FFP	MCSC, Quantico, VA	Jun-05	Sep-05	16	80438	N	N/A	N/A
FY06										
TAOM CU RePLACE Procurement	Northrop Grumman, Woodland Hills, CA	FFP	MCSC, Quantico, VA	Oct-05	Dec-05	80	12500	N	N/A	N/A
TAOM ECU Pallet ECP	Northrop Grumman, Woodland Hills, CA	FFP	MCSC, Quantico, VA	Oct-05	Dec-05	31	35226	N	N/A	N/A
SAAWF Support Equipment	Northrop Grumman, Woodland Hills, CA	FFP	MCSC, Quantico, VA	Oct-05	Dec-05	10	138600	N	N/A	N/A
CTT Host Computer Replacement	Northrop Grumman, Woodland Hills, CA	FFP	MCSC, Quantico, VA	Oct-05	Dec-05	10	25000	N	N/A	N/A
CDLS COTS Refresh Kits	Mission Research Corporation	FFP	MCSC, Quantico, VA	Jun-06	Sep-06	3	162000	N	N/A	N/A
ADCP JRE Procurement	NSWC, Crane, IN	FFP	MCSC, Quantico, VA	Oct-05	Dec-05	16	81250	N	N/A	N/A

FY 07	7 BUDG	ET EX	(HIBI	T P-2	21, PR	ODUC	CTIO	N S	CHE	DUL	E									Date) :				Feb	oruary	2006				
	riation Cod ement, Ma				Control	No.	Wea	pon S	Syster	m				P-1	Item	Nome	nclat	ure:	ΑI	R O	PEF	RATI	ONS	S C2	2 SY	STE	MS				
							F	PROI	DUC	TION	RAT	E			Ρŀ	ROCI	JRE	MEN	IT LE	ΑD٦	ГІМЕ	S									
TEM	Manufactu	rer's NAM	IE / LOC	ATION			M	SR	EC	CON	M	AX	AL	T P	rior	AL	T Af	ter	١	nitia		Re	eorde	er		TO	TAL		Unit	of	
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FY 07 B	SUDGET EXHIBIT P-21, PRODUCT	ION	SCI	IEDU	JLE														Da	ate:										
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Appropriation	ion Code/CC/BA/BSA/Item Control No.						We	eapo	on S	yste	m			P-1	Iter	n No	omen	clat	ure:											
Procureme	ent, Marine Corps (1109) / Communications	and E	lextro	nics E	quip	omer	t																							
(4)																	1	AIR	OF	PER	RAT	ΊO	NS	C2	SYST	ΈM	S			
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TEM	Manufacturer's NAME/LOCATION						М	SR	EC	NC	MA	λX	ΑL	T Pri	or	ΑL	T Afte	Т	Init	ial	F	Reor	der		TOTA	L		Uı	nit d	of
	Northrop, ES. Woodland Hills, CA						1	1	1		3	1	to	Oct	1	C	Oct 1	t	Mfg	PLT	N	/lfg F	PLT					Ť		_
	Northrop, ES. Woodland Hills, CA							1			10)			Ŧ		2	T			t				2			t	E	_
3	MRC, Ft. Worth, TX							1			3)					3		8	}					1:	2			E	
	Northrop, ES. Woodland Hills, CA							1			2	7					2								2				Е	
5	Northrop, ES. Woodland Hills, CA							1			17							I							2				Е	
3	Northrop, ES. Woodland Hills, CA							1			3																			
7	NSWC Crane, IN							1			1:																			
3	NSWC Crane, IN							1			16							4												_
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TEM		Y	V C	T	E	A	C T	0 V	E	A N	E B	A R	P R	A Y	U N	U	U E		N C O V	E	A N	E B	A	P R	A Y		J U		E P	
AOM CC	OTS Refresh Mod Kits	05	MC	111	t	111	_	V	0	iv.			1	_	A		3		•		ľ	٦	11	IX	'	T	+	Ť	ť	8
	COTS Refresh Kits (Original COTS_)	05	MC	41	1	41	1					1	-	_	Α	+	10		+	 	╁	+	┢				╅	╁	<u> </u>	3
	OTS Refresh Kits	05		13	┢	13	1					1		-+	A		3		+		1						1	╁		Ť
	fication Kits	05	MC	37	t	37	t					t			Α		2						İ				T	t	l	1
	dification Kits	05	MC	17	1	17						1		_	Α		1		1		t							+		r
	PS/UTC Installation Kits	05	МС	31	1	31	1					1			Α		3				1						1	T		r
	P) Modification Kits (ADCP side only)	05	MC	15	1	15	1					1		-	Α		1:				1						1	T		r
	OTS Refresh Kits (partial funding)	05	МС	16	t	16									Α		10	_												
	J RePLACE Procurement	06	MC	80	t	80	T			H		T	寸	寸	寸	十	\top	1	1	80		t	1	H		\top	十	T	1	
	CU Pallet ECP	06	MC	31	T	31	T			H		T	1	十	7	\exists	\top	1	_	31		T	1	H		1	T	T	T	
	Support Equipment	06	MC	10	T	10	T					1		寸	1	1		1	_	10	_	T					T	t	T	Ī
	Computer Replacement	06	MC	10	ĺ	10	ĺ					ı			ı			1	4	10							Ī			
	OTS Refresh Kits	06	МС	3	1	3	T					Ī		寸	T			Ť			T	Ī	l				Α .	Ì	3	Ī
	E Procurement	06		16	T	16	Т					T	1	寸	7		\top	1	٨	16		T					T	T	T	T
CDS Refre	esh Kits	07	MC	89		89	1					T	T	寸	T	T		T								T	T			8
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										Fise	cal `	Yea	_										Fis		ear 08					
													С	aler	nda	r Ye	ar 07	7			L			Cale	ndar \	'ear	80			
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CDS Refr	esh Kits	07	MC	89	۲	89	A	V	с 89	N	В	R	R	Y	N	╁	(i F	H	T V	C	N	B	R	R	Y	+	V I	G	Р	H
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		Exhibit P-4	0, Budget It	em Justific	ation Sheet	:		Date:		September 20	005	
Appropriation / Budget Activity/	Serial No:					P-1 Item Nomencla	ature:					
Procurement, Marine Corps (1	109) / Communication	s and Electronics E	quipment (4)				MAGTE	COMBAT SVC SUF	PT ELEMENT & SUF	PT ESTAB (MAGTF	CSSE & SE)	
Program Elements:						Code:	Other Related Prog	ram Elements:				
	0206313M N	Marine Corps Comm	unication Equipment	t		Α						
	Prior Years			FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty												
Gross Cost	53.6			2.2	0.0	0.0	0.0	0.0	0.0	0.0		
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	53.6			2.2	0.0	0.0	0.0	0.0	0.0	0.0		
Initial Spares												
Total Proc Cost	53.6			2.2	0.0	0.0	0.0	0.0	0.0	0.0		
Flyaway U/C												
Wpn Sys Proc U/C												

Total Force Administration System (TFAS)) Funding will strategically align manpower systems/functional process modules with the C4 architecture. This integration will migrate the current Total Force Administration System (TFAS), Performance Evaluation System (PES), Defense Personnel Records Imaging System (DPRIS), and Manpower Automated Information System to an integrated Detailed Planning and Current Operations System over the long-term.

Transportation Portfolio Systems (formerly known as TC-AIMS II) funding supports the fielding, maintenance and sustainment of two Joint deployment programs—Integrated Computerized Deployment System (ICODES) and Aircraft Air Load Planning System (AALPS)—as well as the software maintenance and sustainment of our existing legacy systems—MAGTF LOGAIS (MDSS II/TC AIMS), Cargo Movement Operations System (CMOS), and Automated Manifest System – Tactical (AMS-TAC).

- MDSS II (MAGTF Deployment Support System II) allows planners at the unit level to rapidly create lists of deploying equipment and personnel in response to tasking received from higher headquarters. Unit planners can compare on hand assets to requirements and assign equipment and personnel to specific carriers for both sea deployments and air embarkations. It also provides the MAGTF Commander with the automated ability to plan, coordinate, manage and execute the MAGTF operations relevant to various phases of transportation.
- Automated Air Load Planning System (AALPS). Allows military air load planners to quickly and efficiently estimate airlift requirements, plan force packages, and modify aircraft loads.
- Integrated Computerized Deployment System (ICODES). Ship load planning software application
- Cargo Movement Operations System (CMOS). CMOS is a combat support system that automates and streamlines installation level cargo movement processes for both peacetime and deployment/contingency cargo. Workstations in ITO/TMO functional areas support one-time data capture for the preparation of documentation for all modes of shipment.
- Automated Manifest System Tactical (AMS-TAC). AMS is a transportation tool that utilizes AIT technologies to facilitate In-transit Visibility / Total Asset Visibility (ITV/TAV) for DLA, the US Army, USN and USMC.
- TCAIMS II provides the hub for the Joint transportation suite of systems that will provide mobility and sustainment capability to all services and bring the Marine Corps into compliance with Department of Defense Reform Initiative 54. TC-AIMS II is a Joint transportation and deployment Automated Information System (AIS) supporting the DOD mission areas of mobility and sustainment.

*Programs in BLI 464100 have been transferred to BLI 461700 beginning in FY06.

Exhibit P-40a, B	udge	t Iter	n Justifica	tion for A	ggregated	Items		Date:		September 2005		
Appropriation / Budget Activity						P-1 Item Nome	nclature:			<u> </u>		
Procurement, Marine Corps (1109) / Communications	and Ele	ctronic E	Equipment (4)				MAGTF	COMBAT SVC S	SUPT ELEMEN	T & SUPT ESTAB (MAGTF	CSSE & SE)	
Procurement Items	Code	UOM	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Transportation System Portfolio (formerly TC-AIMS II)	Α	D	4.1	1.3	0.0	0.0					Cont	5.4
		Q										
TOTAL FORCE ADMINISTRATION SYSTEM	A	D	1.3	0.8	0.0	0.0					Cont	2.2
TOTAL FORCE ADMINISTRATION STSTEM		Q	1.0	0.0	0.0	0.0					John	
OIF III SUPPORT - GWOT	Α	D		0.0	0.0	0.0					0.0	0.0
		Q										
Totals	3		5.4	2.2	0.0	0.0						

	Exhibit	P-40, Budget Ite	em Justific	cation Sheet			Date:		February 2006	6	
Appropriation / Budget Activity/	Serial No:		-		P-1 Item Nomencla	ture:		-			-
Procurement, Marine Corps (11	109) / Communications and Electronic	s Equipment (4)					Multip	le Role Radar S	System		
Program Elements:			Code:	Other Related Prog	ram Elements:						
0206118M Tactical A	ir Control Systems (Marine Corps)		Α				0206118M Tactical	Air Control Systems	;		
	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty											
Gross Cost	4.9		10.3	0.0	0.0	0.0	0.0	0.0	0.0		
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	4.9		10.3	0.0	0.0	0.0	0.0	0.0	0.0		
Initial Spares	0.0		0								
Total Proc Cost	4.9		10.3	0.0	0.0	0.0	0.0	0.0	0.0		
Flyaway U/C											
Wpn Sys Proc U/C											

AN/TPQ-46A - The AN/TPQ-46A Firefinder Radar is the Marine Corps' only indirect fire weapons locating radar system. Used to detect, track, and locate mortar, artillery, and rocket projectiles over a continuous range of 750 to 24,000 meters and a continuous sector of 1,600 mils.

AN/TPS-63B - The AN/TPS-63B is a two-dimensional, medium-range, highly mobile radar system with integral MARK XII Identification/Friend or Foe (IFF) capability. It has a 360-degree air surveillance capability out to a range of 160 miles and 40,000 feet in altitude.

Short/Medium Range Air Defense Radars - The AN/TPS-63B is a two-dimensional, medium-range, medium altitude, transportable, radar system which is doctrinally employed as a tactical gap-filler or as an early warning system for early deployment into the operational area. It has a 360-degree air surveillance capability at a range of 160 miles and complements the co-employed AN/TPS-59 (V) 3 three dimensional, long-range, air surveillance radar system. The AN/TPS-63B, like the AN/TPS-50 (V) 3, is employed by the Marine Air Control Squadron (MACS) as its Tactical Air Operations Center (TAOC) in support of air surveillance and air control mission objectives.

Ground Weapons Locating Radar (GWLR): The GWLR is an up-grade to the current AN/TPQ-46A radar. The system will acquire threat indirect fire weapons including mortars, artillery, rocket and missile systems at greater ranges than the current radar. The principle functions of the system will be to detect, track, classify and accurately determine the origin of enemy weapons platforms and forward the location data to the counter fire element. The up-grades will focus on achievement of greater detection ranges as well as increased communication, security, and system availability.

BLI 464200 Multiple Role Radar System was consolidated into new BLI 465000 Radar Systems beginning in FY06.

							Date:					
E	xhibit P-40a,	Budget Ite	m Justifica	tion for Ag	gregated It	ems		Februa	ry 2006			
Appropriation / Budget Activity Procurement, Marine Corps (1109) / Com					P-1 Item Non	nenclature:		Multiple Role	Radar System	1		
Procurement Items	Code	UOM	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
AN/TPS-63B	A	D	0.0	1.2	0.0	0.0					0.0	
		Q										
Ground Weapons Locating Radar	А	D	2.0	0.8	0.0	0.0					0.0	
		Q										
Short/Medium Range Radar	A	D	2.0	1.4	0.0	0.0					0.0	
Onortwediam reange readai	Λ	Q	2.0	1	0.0	0.0					0.0	
			4.0	2.5	0.0	0.0					0.0	
Total			4.8	3.5	0.0	0.0					0.0	
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Exhibit P-5,		Appropria	ation/ Budget	Activity/Se	rial No:			P-1 Line Item Nomen	clature:		Weapon Sy	stem Type:	Date:	
Cost Analysis		Procur	ement, Marii	ne Corps (1	109)/Commu	nications and	Electronics	Multiple Role	Radar S	system			Februa	ry 2006
Weapon System		Prior		FY 04	a.pmont (4)		FY 05			FY 06	-		FY 07	-
' '	ID	Yrs												
Cost Elements	CD		FotalCos	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
AN/TPQ 46A GWLR													15	2216467
LCU RE-CAP REPLACEMENT						3549	VAR	VAR						
EPLRS TRANCEIVERS						1260	44							
MILTROPE 750CM REPLACE KITS						2041	22							
INIETRO E 7300M REI EAGE RITO						2041	22	32110						
L						2252								
TOTAL						6850								
ACTIVE RESERVE						6850								
RESERVE														
1														
1														
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1														
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								Date:		
	Exhibit P-5a, Budget Procurer	nent Histor	y and Planning						February 200	6
Appropriation / Budget Activity/Serial No:		Weapon System ⁻	Гуре:		P-1 Line Item Non					
Procurement, Marine Corps (1109) / Communica	ations and Electronics Equipment (4)					N	Multiple Role	Radar Systen	n	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
AN/TPQ 46A GWLR										
LCU RE-CAP REPLACEMENTS	THALES RAYTHEON SYS CO FULLERTON CA.	MIPR	CECOM, FT. MONMOUTH	Oct-05	0CT-06	VARIOUS	VAR	YES	N/A	N/A
EPLRS TRANCEIVERS	RAYTHEON, FULLERTON CA.	MIPR	CECOM, FT. MONMOUTH	28DE05	Apr-06	44	28636	YES	N/A	N/A
MILTOPE 750CM REPLACEMENT KITS	RAYTHEON ,INDIANAPOLIS IN.	MIPR	CECOM, FT. MONMOUTH	Nov-06	Jan-06	22	92773	YES	N/A	N/A

	Exhibi	t P-40, Budget	Item Justific	cation Sheet	t		Date:		February 20	006	
Appropriation / Budget Activity/					P-1 Item Nomencla	ture:					
Procurement, Marine Corps (1	109) / Communications and Electronic	s Equipment (4)					JOINT T	ACTICAL RADI	O SYSTEMS		
Program Elements:			Code:	Other Related Prog	ram Elements:						
0206313M Marine	Corps Communication Equipment		Α								
	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
0206313M Marine Corps Communication Equipment A											
Gross Cost	11.1		23.3	7.0	0.0	0.0	0.0	0.0	17.9	Cont	Cont
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	11.1		23.3	7.0	0.0	0.0	0.0	0.0	17.9	Cont	Cont
Initial Spares	0.3		0.5	0.8	0.0	0.0	0.0	0.0	0.4	Cont	Cont
Total Proc Cost	11.3		23.8	7.8	0.0	0.0	0.0	0.0	17.9	Cont	Cont
Flyaway U/C											
Wpn Sys Proc U/C											

DESCRIPTION: Joint Tactical Radio Systems (JTRS)

A Family of Joint Multi-Channel/Multi-Mode, Software-Defined, Reprogrammable Tactical Radio Systems. Providing high capacity line of sight (LOS) and beyond line of sight (BLOS) plain and secure voice, data, and video while operating in frequency bands from 2 MHz to 2 GHz. Providing network connectivity across the radio frequency (RF) spectrum and providing the means for tactical digital information exchanges.

Block 1: Legacy-JTRS Bridge: Interim Handheld/Manpack and Data Radios. Includes 4 radio systems: High Frequency Man-pack Radio (HFMR); Tactical Handheld Radio (THHR); Enhanced Position Location Reporting System (EPLRS) and Integrated Intra-Squad Radio System (IISR) Post Development Software Support (PDSS) (Software upgrades/maintenance funded with OMMC).

- HFMR: The AN/PRC-150 is an advanced HFMR, which provides reliable tactical communications through enhanced secure voice, and data performance, networking, reduced size/weight and extended battery life. The HFMR set provides HF and VHF capabilities in one system. It is ruggedized and submersible to be reliable in a field environment. The removable keypad/display unit enables operation on the move with the transceiver stowed in the user's backpack.
- THHR: The Tactical Hand Held Radio (THHR) is a secure hand held radio for use by Marine Corps Recon and infantry teams. The THHR is a military-ready system capable of providing units with a standardized and maintainable hand held radio to support the communications requirements of small units (platoon, squad and team). The THHR contains embedded Type I communications security, and it will be interoperable with SINCGARS (Single Channel Ground Air Radio System) and HAVEQUICK II in the single channel mode and while in the Electronic Counter Measure (ECCM) frequency hopping mode. THHR has a selector switch which allows the operator to employ it in one of two different radio modes, effectively combining the capability of two legacy man-pack tactical radios into a single hand held unit.
- Tactical Elevated Antenna Mast System (TEAMS) is a single HMMWV(Highly Mobile Multi-purpose Wheeled Vehicle) mounted 100' telescoping antenna mast replacing the two AN/MRC-142 50' antennas. TEAMS provides a safer more efficient mast to allow up to twice the current height capability to overcome obstructions caused by overhead canopy and obstructing ridges which minimizes the need to set up additional relay sites as well as ship to shore communications. TEAMS will support any antenna but will be employed with AN/MRC-142 then JTRS when the AN/MRC-142 is replaced by JTRS. Funding is in the outyears.
- MultiBand MultiMode Radio (MBMMR) is a man-portable single-channel radio that can transmit from HF to UHF frequencies. It uses advanced software-defined radio (SDR) technology to provide battle proven embedded COMSEC (Communications Security), SATCOM (Satellite Communications), and ECCM capabilities to the war fighter. The AN/PRC-117F radio is fully NSA (National Security Agency), COMSEC certified and supports all common fill devices.
- Integrated Intra-Squad Radio System (IISR) is a short-range radio that utilizes advanced wireless LAN Technology and spread spectrum techniques to provide a hands free intercommunication capability while ensuring a low probability of interception and detection. The IISR consists of a small radio unit powered by 2 AA batteries, a wireless PTT switch, a lightweight headset compatible with the current combat helmet, and a heavy-duty nylon pouch. The dual version integrates with the ANPRC-148 using an additional Push-to-talk (PTT) switch to provide the user control of two radios with on headset/microphone.
- -Enhanced Position Location Reporting System (EPLRS) is a Ultra High Frequency data radio system which provides for secure data communications to Tactical Marine units.

 Block 2: Ground Vehicular/Rotary Wing, scaleable to 6 Channels (US Army Cluster 1): Expeditionary Maneuver Warfare Air Ground Over the Horizon (EMW A/G OTH) Communications Vehicle

Block 2: Ground Vehicular/Rotary Wing, scaleable to 6 Channels (US Army – Cluster 1): Expeditionary Maneuver Warfare Air Ground Over the Horizon (EMW A/G OTH) Communications Vehicle (initially replacing systems beyond lifecycle: AN/MRC-138, AN/VRC-83), and C2 platforms that require multiple channels in multiple bands (LAV-C2, UOC, and AAAV).

Exhibit P-5,	Appropriation/ Budget			P-1 Line Item Nome			Weapon System	Туре:	Date:	
Cost Analysis	Procurement, I Communications and	Marine Corps (110	9) / ment (4)	Joint Tactical Ra	adio Systems - Legac	y Bridge			Febr	uary 2006
Weapon System		Liectronics Equip	FY 05			FY 06			FY 07	
Cost Elements		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
OOST Elements	\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Joint Tactical Radio Systems (JTRS)										
Legacy Bridge										
HF Manpack Radio	4184	12248	531	23066	1800	240	7500			
Multiband Multimode Radio										
Factical Handheld Radio					3312	104	33703			
PM Support	4361	7777	1200	0032	1727					
FIN Support		700			1737					
EPLRS Software Upgrades										
Warranty/Maintenance										
ntegrated Logistics Support	1453									
TOTAL	4184 12248 531 23066 1800 240 7500 850 996 24 41500 3512 104 33769 4581 7777 1285 6052 1737 732 1596 1453 7049									

Ex	hibit P-5a, Budget Procuremer	nt History	/ and Planning					F	ebruary	2006
Appropriation / Budget Activity/Serial No:	go::::ou, _uugo::::ou	Weapon Syst			P-1 Item N	lomenclatu	re:		cordary	2000
Procurement, Marine Corps (1109) / Commu	nications and Electronics Equipment (4)					Joint Tact	ical Radio Systems	-Legacy E	Bridge	
VBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs	Date	RFP Iss
riscal Years		Method and Type			Delivery	Each	\$	Avail?	Revsn Avail	Date
Note: Four		and type			Domvery	240.1	Ť		7174	
Joint Tactical Radio Systems (JTRS) Legacy Bridge										
=Y05										
HFMR	Harris Corporation, Rochester, NY	FFP	CTQ QUANTICO	Mar-05	Aug-05	531	23066	Υ		Oct-0
MBMMR	Harris Corporation, Rochester, NY	FFP	CTQ QUANTICO	Jul-05	Jan-06	24	41500	Υ		Oct-0
THHR	Thales, Clarksburg, MD	FFP	CTQ QUANTICO	Mar-05	Nov-05	1285	6052	Y		Oct-0
=Y06										
HFMR	Harris Corporation, Rochester, NY	FFP	CTQ QUANTICO	Mar-06	Aug-06	240	7500	Υ		Oct-0
MBMMR	Harris Corporation, Rochester, NY	FFP	TBD	Dec-05	Jul-06	104	33769	Υ		Oct-0
REMARKS:	<u> </u>	1		ı		<u> </u>			1	

FY 07 BUDGET EXH	IBIT P-21, PRODUC	HON	SCHI	-DULE	=															Date	:.				Febr	uary :	2006				
appropriation Code/CC/BA/l							Wea	pon	Syste	m				P-1 I	tem I	Nome	encla	ture:													
Procurement, Marine Corps	(1109) /								LICT	IONI	DAT	1					10.5			- 4 5	T18.4										
							Р	ROD	UCT	ION	KA	E				ROCI													II I !		
	Manufacturer's	NAME /	LOCATION	NC			М	SR	EC	ON	M	AΧ		T Pr			T Af			nitia			eord						_	t of	
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HFMR FY05	HARRIS CO							5		0	7	_					5			5							10			eac	ch
HFMR FY06	HARRIS CO						_	5		0	7	_					5			5							10				
MBMMR FY05	HARRIS CO							5		0	7	_					9			6							15				
MBMMR FY 06	HARRIS CO		_		ER,NY			5		0		0					2			7							9				
THALES FY05	CLARKSBU	RG, MAF	RYLAND)			5	0	12	25		10					5			8							13				_
		Calendar Year 05												Fi		Year															
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HFMR		FY05		531	0	531						Α					60	60	60	60	60	60	60	60	51			▙		igsqcup	
HFMR		FY06		240	0	240																		Α				ـــــ	60	60	1
MBMMR				24	0	24										Α						24						<u> </u>	L.,	igspace	
MBMMR		FY06	MC	104	0	104															Α							60		ليبا	
THHR		FY05	MC	1285	0	1285						Α								125	125	125	125	125	125	125	125	125	125	35	
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TEM		Y	С	Υ	L	L	Т	V	С	Ν	В	R	R	Υ	Ν	L	G	Р	Т	V	С	Ν	В	R	R	Υ	N	L	G	Р	
HFMR		FY05	МС	531	531	0																			t			T		М	
HFMR				240	120	120	60	60																	t	l				П	
MBMMR		FY05	MC	24	24	0																						1			
MBMMR		FY06		104	104	0																									
ΓHHR		FY05	MC	1285	1285	0																									
																														П	

	Exhibit	P-40, Budget It	em Justific	ation Sheet			Date:		February 2006	3	
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	ture:					
Procurement, Marine Corps (11	109) / Communications and Electronics	s Equipment (4)					R	ADAR SYSTEM	I S		
Program Elements:			Code:	Other Related Prog	ram Elements:						
0206118M Tactical A	air Control Systems (Marine Corps)		В				0206118M Tactical	Air Control Systems			
	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty											
Gross Cost	0.0		0.0	29.5	14.8	16.0	53.8	112.3	119.8	Cont	Cont
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	0.0		0.0	29.5	14.8	16.0	53.8	112.3	119.8	Cont	Cont
Initial Spares	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Total Proc Cost	0.0		0.0	29.5	14.8	16.0	53.8	112.3	119.8	Cont	Cont
Flyaway U/C											
Wpn Sys Proc U/C		_									

Ground/Air Task Oriented Radar (G/ATOR) (formerly known as the Multi-Role Radar System (MRRS)): G/ATOR is a single material solution to fill the MRRS's & Ground Weapons Locating Radar's (GWLR) (End State) requirements. It is an Evolutionary Acquisition / Incremental Development Program designed to reduce the Total Ownership Costs associated with the MRRS and GWLR systems. Increment I will fill the MRRS's Short Range Air Defense (SHORAD) mission and medium range Air Surveillance mission. Increment II will fill the GWLR's Counter Fire / Counter Battery missions. Increment III will develop Tactical Enhancements to Increment I's design. Lastly, Increment IV will fill the Air Traffic Control missions. Programmatically, MRRS & GWLR will merge into a single requirement (G/ATOR) as the requirement documents transition from the Operational Requirement Document (ORD) format to the Capability Development Document (CDD) format. System Demonstration (DT) for Increment I is scheduled for 2nd Quarter of FY 09 - 3rd Quarter of FY 09.

Short/Medium Range Air Defense Radars - The AN/TPS-63B is a two-dimensional, medium-range, medium altitude, transportable, radar system which is doctrinally employed as a tactical gap-filler or as an early warning system for early deployment into the operational area. It has a 360-degree air surveillance capability at a range of 160 miles and complements the co-employed AN/TPS-59 (V) 3 three dimensional, long-range, air surveillance radar system. The AN/TPS-63B, like the AN/TPS-59 (V) 3, is employed by the Marine Air Control Squadron (MACS) as its Tactical Air Operations Center (TAOC) in support of air surveillance and air control mission objectives.

Ground Weapons Locating Radar (GWLR): The GWLR is an upgrade to the current AN/TPQ-46A radar. The system will acquire threat indirect fire weapons including mortars, artillery, rocket and missile systems at greater ranges than the current radar. The principle functions of the system will be to detect, track, classify and accurately determine the origin of enemy weapons platforms and forward the location data to the counter fire element.

Firefinder Radar (A14440) TPQ-46: The AN/TPQ-46A Firefinder Radar is the Marine Corps only indirect fire weapons locating radar system. It is used to detect, track, and locate mortar, artillery, and rocket projectiles over a continuous range of 750 to 24,000 meters and a continuous sector of 1,600 miles. The system deploys within the 10th, 11th, 12th, and 14th Marine Regiments (five systems per regiment).

AN/TPS-59 Sustainment funding profile includes radar modifications which improve mean time between failure rates and enhanced performance characteristics and upgrades obsolete/Diminishing

Manufacturing Resources. The AN/TPS-59 radar upgrade provides three-dimensional long range surveillance and detection against air-breathing targets and tactical ballistic missiles. It provides launch/impact point and queing information to other theater missile defense systems.

The AN/TPS-59 radar program is following a two-phased acquisition approach, including both sustainment and modernization efforts. The sustainment initiative will address operational equipment readiness deficiencies by refurbishing and sustaining 11 current system's arrays. The sustainment effort will allow 3 active units and 2 reserve units to have a system with current technology, while improving equipment readiness, extending the overall system life cycle, and reducing the radars' overall operating cost. This includes the remaining 3 support establishment radars that will transition during the modernization effort. The **Identification Friend or Foe (IFF) Upgrade/HOSTINS** is for integration of the UPX-37 which will allow implementation of the Mode 5 requirement. This upgrade will allow full control of the UPX-37 vice the operator making adjustments manually. *Prior to FY04, funding for AN/TPS-59 was under the roll-up line Modification Kits MAGTF C4I BLI 463600. FY04-FY05 funding for AN/TPS-59 was located in BLI 465100.

BLI 464200 Multiple Role Radar Systems and BLI 465100 Long Range Radar Systems were consolidated into BLI 465000 Radar Systems in FY06.

FY06 Title IX funding received: \$18.0M

Exhibit P-40a, Budge	t Iten	n Justifica	ation for A	Aggregate	ed Items		Date:		February 200	6		
Appropriation / Budget Activity					P-1 Item Nome	nclature:						
Procurement, Marine Corps (1109) / Communications and	Electronic	Equipment (4)						RADA	R SYSTEMS			
Procurement Items	Code	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007					To Complete	Total Prog
Short/Medium Range Air Defense Radar	Α	0.0		0.0	0.5	0.4					Cont	Cont
(Moved from BLI 464000 in FY04)												
Totals	3	0.0		0.0	0.5	0.4						

Exhibit P-5, Cost Analysis	ļ	Appropriation/ Budget Procurement, Communications an	Marine Corps (110		P-1 Line Item Nor Ground We	menclature: eapons Locating Ra		Weapon System Typ	ee:	Date: Fe	bruary 2006
Weapon System	ID	PYs		FY 05	•		FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
GWLR	Α										
Radar Re-Cap Kits						920	4	230080	1947	8	243375
Radar Re-Cap Installation						2074	4	518500	4958	8	619750
MILTOPE TSC-750M Stations						864	48	18000			
Re-Hosted Radar Processor						1000	4	250000	2879	11	261727
EPLRS Radios						831	26	31962			
AN/TPS-59 Sustainment											
Transmitters						2490	54	46111			
Radar Environmental Simulator						4747	5 4	00050			
Receiver						1747	54	32352			
Power Supply						711	27	26333			
Bussed Raceway											
Mission Planner Radar Optimizer											
Digital Signal Proc Upgrade									2494		var
IFF UPGRADE/HOSTINS						358	var	var	2082	var	var
FIREFINDER RADAR (A1440) TPQ-46											
C2PC/HARDWARE						219	36	6084			
Lightweight conter Mortor Radar(LCMR)						12800	16	800000			
Equipment repair Parts Supply line (ERPSL)						4981	5	996200			
TOTAL						28995			14360		
ACTIVE						28995			14360		
RESERVE											

Exhibit	P-5a, Budget Procurement Hist	ory and l	Planning					Date:	ebruary	2006
Appropriation / Budget Activity/Serial No:	, <u> </u>	Weapon Syst			P-1 Line Item	Nomenclature	9:		,	
Procurement, Marine Corps (1109) / Communications	and Electronics Equipment (4)					Ground	Weapons Loc	ating F	Radar	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issu Date
Fiscal Years		and Type			Delivery	Each	\$	7 tv cii :	Avail	Date
GWLR										
FY06 Radar Re-Cap Kits	Raytheon, Fullerton, CA	MIPR	CECOM, Ft Monmouth, NJ	Nov-05	May-07	4	230080			
FY06 Radar Re-Cap Kit installation	MCLB Barstow	WR	MCLB Barstow	Nov-05	May-07	4	518500			
FY06 MILTOPE TSC-750M Control Stations	Army Common Hardware Suite (CHS)	MIPR	CECOM, Ft Monmouth, NJ	Nov-05	Mar-06	48	18000			
FY06 Re-Hosted Radar Processor	TBD	MIPR	CECOM, Ft Monmouth, NJ	Nov-05	Jun-06	4	250000			
FY06 EPLRS Radios	USMC PM Comm	MIPR	USMC PM Comm	Nov-05	Aug-06	26	31962			
FY07 Radar Re-Cap Kits	Raytheon, Fullerton, CA	MIPR	CECOM, Ft Monmouth, NJ	Nov-06	May-08	8	243375			
FY07 Radar Re-Cap Kit installation	MCLB Barstow	WR	MCLB Barstow	Nov-06	May-08	8	61975			
FY07 Re-Hosted Radar Processor	TBD	MIPR	CECOM, Ft Monmouth, NJ	Nov-06	Jun-07	11	261727			
AN/TPS-59										
Transmitters										
FY 06	Lockheed Martin, Syracuse NY	FFP/CPFF	MARCORSYSCOM	Nov-05	Jan-07	54	46111	Yes	N/A	N/A
FIREFINDER RADAR (A1440) TPQ-46										
FY06 C2PC/HARDWARE	MCHS	RCP	MARCORSYSCOM	Feb-06	Jun-06	36	6084			
FY06 Lightweight conter Mortor Radar(LCMR)	SYRACUSE RESEARCH, SYRACUSE N.Y.	MIPR	СЕСОМ	Feb-06	Dec-06	16	800000			
FY06Equipment repair Parts Supply line (ERPSL)	NORTHROP GRUMMAN AND RAYTHEON	MIPR	CECOM	Feb-06	Aug-07	5	996200			
I										
REMARKS:										
REMARKS:										

FY 07 BUDGE	ET EXHIE	BIT I	P-21	I, PR	ODL	JCTIC														Date:					Fe	bruar	y 200	6			
Appropriation Cod Procurement, Mar				Contro	l No.			apon DAF	•	em ′STE	М			P-1 I	tem No	menc	ature	: Grou	ınd We	apons	Locat	ing F	Radar	(GWI	LR)						
										OITC		ΤE			F	PROC	CURE	MEN	T LEA	DTIM	ES										
ITEM	Man	ufactu	rer's N	NAME / I	LOCAT	ION	N	ISR	Е	CON	N	1AX	AL	ΓPri	or to	Α	LT A	fter	Initial		Mfg	F	Reor	der		TO	TAL		Unit	of N	Measure
LCMR	SYF	RACU	SE R	ESEAF	RCH S	YSACU	I\$	5		10	:	20					4			3							7		E		
C2PC	TBD)						1	,	150	3	00					4														
ERPSL	NOF	RTHR	OP G	SRUMN	/AN /F	RAYTHE		1		6		12																			
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		F	S	Q	D	В	0	N	D	J	F	М	A	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	A	S	A N C
ITEM		F Y	V C	T Y	E L	A L	C T	O V	D E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	O V	D E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	E
LCMR		06	MC	16		16																	Α								16
C2PC			MC			36																	Α				36				
ERPSL		06	МС	5		5																	Α								5
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														Ca	lendar	Year	07								Cal	enda	r Year	80			L A
ITEM		F Y	S V C	Q T Y	D E L	B A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	N C E
																															<u> </u>
LCMR		_	_	16		16			6	5	5											_									↓
C2PC				36	36		_															_									<u> </u>
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		-,-								TION		E				PRO	CURE	MEN	NT LE	ADTII	MES											
ITEM	Manufacturer's NAM	E / LOCA	ATION				М	SR	E	CON	N	1AX	AL٦	Prio		ALT				Initial		R	eord	er		TOT	AL		Mea	sure		
AN/TPS-59	1																1			14						1:	5					
Transmitters	Lockheed Martin,S	Syracus	e N.Y.				var	ious																								
											Fis	cal Ye	ear 05											Fisca	al Year						- E	
		I	S	Q	D	В	0	N	D	J	F	М	Α	Cal M	enda J	r Year	05 A	S	0	N	D	J	F	М	Cale	ndar Y	ear 06	J	А	S	Á	
ITEM		F Y	V C	T Y	E	A	O C T	0 V	ОПО	A N	E B	A R	P R	A Y	Ü	Ü	U G	SEP	0 0 T	0 V	ОПО	A N	E B	A R	P R	A Y	U N	Ü	U G	E P	1	
AN/TPS-59																				Α												
Transmitters	S	06	МС	54		54																									5	
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ITEM		Υ	C	T	L	A L	T	V	C	A N	B	A R	R	A Y	U N	U L	G	P	T	O V	C	A N	E B	A R	P R	A Y	U N	U L		P	E	
AN/TPS-59																															_	
Transmitters	S	06	МС	54	-	54				27	27																		1	ļ	┢	
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	Exhibit P-	40, Budget Item Justifi	cation Sheet	t		Date:		February 20	006	
Appropriation / Budget Activity/	Serial No:			P-1 Item Nomencla	ure:					
Procurement, Marine Corps (11	109) / Communications and Electronics Equi	pment (4)				1	Radar Set AN/T	PS-59		
Program Elements:		Code:	Other Related Prog	ram Elements:						
0206118M Tactical	Air Control Systems (Marine Corps)	А								
	Prior Years*	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty										
Gross Cost	14.5	51.0	0.0	0.0	0.0	0.0	0.0	0.0		
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	14.5	51.0	0.0	0.0	0.0	0.0	0.0	0.0		
nitial Spares	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Total Proc Cost	14.5	51.0	0.0	0.0	0.0	0.0	0.0	0.0		
Flyaway U/C										
Wpn Sys Proc U/C										

The AN/TPS-59 funding profile includes radar modifications which improve mean time between failure rates and enhanced performance characteristics and upgrades obsolete/Diminishing Manufacturing Resources. The AN/TPS-59 radar upgrade provides three-dimensional long range surveillance and detection against air-breathing targets and tactical ballistic missiles. It provides launch/impact point and cueing information to other theater missile defense systems.

The AN/TPS-59 Radar Program is following a two-phased acquisition approach, including both sustainment and modernization efforts. The sustainment initiative will address operational equipment readiness deficiencies by refurbishing and sustaining 8 of the 11 current system's arrays. The sustainment effort will allow 3 active units (2 per Marine Expeditionary Force (MEF)), and 2 reserve units to have a system with current technology, while improving equipment readiness, extending the overall system life cycle, and reducing the radars' overall operating cost. This includes the remaining 3 support establishment radars.

AN/TPS-59 (V)3 Global War On Terrorism (GWOT) - Supplemental is a national asset. It is the only fielded ground-based sensor which can detect and track long range Air Breathing Targets (ABT) within 300 nautical miles, as well as Tactical Ballistic Missiles (TBM) at ranges of 400 nautical miles for 360 degrees and up to one million feet in elevation. Highly Expeditionary Long Range Air Surveillance Radar (HELRASR) is the modernization initiative to replace the AN-TPS 59 Radar.

Long Range Radars Program (Supplemental) is following a two-phased acquisition approach, including both sustainment and modernization efforts. The sustainment initiative will address operational equipment readiness deficiencies by refurbishing and sustaining current system's arrays. The sustainment effort will allow active units and reserve units to have a system with current technology, while improving equipment readiness, extending the overall system life cycle, and reducing the radars' overall operating cost. The remaining 3 support establishment radars will transition during the modernization effort.

*Prior to FY04, funding for AN/TPS-59 was under the roll-up line Modification Kits MAGTF C4I BLI 463600. Starting in FY06, funding for AN/TPS-59 is located in BLI 465000 Radar Systems.

\$26.0M recevied in the FY05 Supplemental.

	nt Marine Co Equipment TotalCost \$000		UnitCost	TotalCost \$000 7500	FY 05 Qty Each	UnitCost \$	TotalCost \$000	FY 06 Qty Each	UnitCost \$	TotalCos \$OOO	FY 07 Qty Each	UnitCost
\$000 4646		Qty		\$000 7500 7060	Qty Each	\$	TotalCost	Qty			Qty	
\$000 4646				\$000 7500 7060	Each 1	\$						
4646	\$000	Each	\$	7500 7060	1	*	\$000	Each	\$	\$000	Each	\$
				7060		7500000						
				7060		7500000						
					162							
					162							
					162							
2773					102	43580						
2773				4067	3	1355667						1
				4667	162	28809						}
1408				2087	81	25765						1
2664												1
1669												l
				850	11	77273						
				2595	12	216250						
				2700	22	122727						1
				763	1	763000						1
				1660	12	138333						1
				528	9	58667						1
				300	11	27273						
1312												
14472 14472				34777 34777								
	14472	14472	14472	14472	2700 763 1660 528 300 1312 14472 34777	2700 22 763 1 1660 12 528 9 300 11 1312 14472 34777	2700 22 122727 763 1 763000 1660 12 138333 528 9 58667 300 11 27273 1312 14472 34777	2700 22 122727 763 1 763000 1660 12 138333 528 9 58667 300 11 27273 1312 14472 34777	2700 22 122727 763 1 763000 1660 12 138333 528 9 58667 300 11 27273 1312 14472 34777	2700 22 122727 763 1 763000 1660 12 138333 528 9 58667 300 11 27273 1312 14472 34777	2700 22 122727 763 1 763000 1660 12 138333 528 9 58667 300 11 27273 1312 14472 34777	2700 22 122727 763 1 763000 1660 12 138333 528 9 58667 300 11 27273 1312 14472 34777

Exhibit P-5, Cost Analysis		Appropriation/ B Procuremer	nt, Marine C	orps (1 nics Eq	109) / Con uipment (4				Nomenclature: Set AN/TP\$	S-59	Weapon Sy	stem Type:		ary 2006
	ID	PYs		FY 04			FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty		TotalCost	Qty	UnitCost		Qty	UnitCost		Qty	UnitCost
Lange Barrier Barrier		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Long Range Radars						0000	,	0000000						
Test Environment						8000	1	8000000						
Row Electronics						5846		5846000						
Empty Shelters (Barstow)						300								
Maintenance Lifts						254	1	254000						
COTS Refresh						1710								
Waterfall Mod						75		75000						
TOTAL						16185								
ACTIVE						16185								

Ex	hibit P-5a, Budget Procureme	ent History	y and Planning					Date:	ebruary 2	2006
Appropriation / Budget Activity/Serial No:		Weapon Syste	em Type:		P-1 Line Item	Nomenclatur	re:			
Procurement, Marine Corps (1109) / Commu	nications and Electronics Equipment (4)						Radar Set AN/TPS			
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
HELRASR (Modernization)										
FY 05										
Restoration 1TPS-59(V)3 Antenna	MCLB-Barstow	FFP/CPFF	MCLB-Barstow	Jan-05	Feb-06	1	7500000	Yes	N/A	N/A
System										
AN/TPS-59										
Transmitters										
FY 05	Lockheed Martin, Syracuse NY	FFP/CPFF	MARCORSYSCOM	Nov-04	Dec-05	162	43580	Yes	N/A	N/A
Long Range Radars										
FY 05										
Test Environment	VARIOUS		MCLB-Barstow	Jun-05	Jan-06	1	8000000	Yes	N/A	N/A
Row Electronics	VARIOUS	FFP/CPFF	MCLB-Barstow	Aug-05	Jan-06	1	5846000	Yes	N/A	N/A
DEMADUC.										

REMARKS:

					I	Date:				
	Exhibit P-40, B	Budget Item J	ustification	Sheet		February 2006				
Appropriation / Budget Activity	/Serial No:			P-1 Item Nomencla	ture:					
Procurement, Marine Corps (1	109) / Communications and Electronics E	Equipment (4)				TRANSI	TION SWITCH MODU	JLE		
Program Elements:		Code:	Other Related Pro	gram Elements:						
0206313M Marine (Corps Communication Equipment	А		1			1	1	•	
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0		44.0
Gross Cost	9.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0		11.0
Less PY Adv Proc				1						
Plus CY Adv Proc										
Net Proc (P-1)	9.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0		11.0
Initial Spares	0.0									
Total Proc Cost	9.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0		11.0
Flyaway U/C										
Wpn Sys Proc U/C										
switching, data tra Contractor Off-Th	bridges legacy Tri-Tac so ansport and bandwidth m le-Shelf (COTS) switching sition Switch Module was	anagement ca g technologies	apabilities. T	This program	will maintain	USMC joint into	eroperability :	as all Servic	es transition	

	Exh	nibit P-40, Budg	et Item Justificat	tion Sheet			Date:		February 200	6	
Appropriation / Budget Procurement, Marine C	Activity/Serial No: Corps (1109) / Communication	ons and Electror	nics Equipment (4))	P-1 Item Nom	enclature:	TACTICAL R	REMOTE SENS	OR SYSTEM		
Program Elements for 0206313M Marine Co	Code B Items: orps Communication Equipm	ent	Code: A	Other Related	Program Elem	ents:					
	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty											
Gross Cost	7.5		8.5	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	7.5		8.5	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Initial Spares	0.1		1.2	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Total Proc Cost	7.6		9.7	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Flyaway U/C											
Wpn Sys Proc U/C											•

Tactical Remote Sensor System (TRSS-PIP) - will provide all weather direction, location determination, targeting, tactical indications and warning of enemy activity in the Marine Air Ground Task Force (MAGTF) Commander's Area of Interest. The TRSS-PIP is an equipment suite consisting of three primary sub-systems: Unattended Ground Miniature Sensors (UGMS); Relay Systems; and Monitoring systems. The sensor systems will include seismic/acoustic sensors, electro-magnetic sensors, infrared (passive) sensors; and air-delivered sensors. The relay systems include dual channel duplex commandable and single channel repeaters. The monitoring system includes the Sensor Mobile Monitoring System (SMMS). The composition of the three sub-systems are comprised of several individual components. As the Product Improvement Program proceeds, upgrading of individual components will occur on an as needed basis. The Sensor Mobile Monitoring System is procuring new components in FY08.

BLI 471400 Tactical Remote Sensor System was consolidated into new BLI 474700 Intelligence Support Equipment beginning in FY06.

Exhibit P-5, Cost Analysis	ľ		Marine Corps (1109		P-1 Line Item N TACTICAL REI	lomenclature: MOTE SENSOR	SYSTEM	Weapon System	n Type:	Date:	
		Communications and	d Electronics Equip	, ,	1						uary 2006
Weapon System	ID CD	PYs TotalCost	TotalCost	FY 05 Qty	UnitCost	TotalCost	FY 06 Qty	UnitCost	TotalCost	FY 07 Qty	UnitCost
Cost Elements	CD	\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
UGMS - Thermal Imagers		6483	5908	191	30932			·			
- Satellite Communications Modules			397	325	1222						
Sensor Mobile Monitoring System											
Radio Repeaters Mods			400	115	3478						
Air Relay/Air Recovery											
Mobile Sensors											
UAV Delivered Sensors											
Alternative Power											
Integrated Logistics Support - Technical Documentation - Project Management - MTP/MTA Manpower Training		314 739	598 715 441								
TOTAL ACTIVE RESERVES		7536 7536	8459 8459								

	xhibit P-5a, Budget Procureme								February	2000
ppropriation / Budget Activity/Serial No:		Weapon Sys	tem Type:		P-1 Line Item	Nomenclature				
Procurement, Marine Corps (1109) / Comm	unications and Electronics Equipment (4)		_			Tac	tical Remote Senso			
BS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Iss Date
scal Years		and Type			Delivery	Each	\$		Avail	
actical Remote Sensor Systems - PIP										
Y-05 Thermal Imagers	NSWC - (NOVA)	FFP	Crane, IN	Feb-05	Aug-05	191	30932	Yes	N/A	N/A
1-03 Memai imagers	NSWC - (NOVA)	'''	Crane, IIV	1 60-03	Aug-03	191	30932	163	IN/A	IN/ <i>F</i>
REMARKS:										

	Exh	ibit P-40, Budge	t Item Justif	ication Sheet			Date:		February 200	6	
Appropriation / Budget Activity	/Serial No:				P-1 Item Nomenclatu	ıre:	_				
Procurement, Marine Corps (1	109) / Communications and Electro	onics Equipment (4)					FIRE S	SUPPORT SYS	TEMS		
Program Element:			Code:	Other Related Progr	am Elements:						
0206211	M Divisions (Marine)		В								
	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty											_
Gross Cost	59.5		50.7	31.7	31.8	4.8	4.6	4.7	4.8	Cont	Cont
Less PY Adv Proc											_
Plus CY Adv Proc											_
Net Proc (P-1)	59.5		50.7	31.7	31.8	4.8	4.6	4.7	4.8	Cont	Cont
Initial Spares	0.0		0.9	1.3	0.8	0.0	0.0	0.0	0.0	0.0	2.9
Total Proc Cost	59.5		51.6	32.9	32.6	4.8	4.6	4.7	4.8	Cont	Cont
Flyaway U/C											
Wpn Sys Proc U/C											

Improved Position Azimuth Determination System (IPADS) - The IPADS is a High Mobility Multipurpose Wheeled Vehicle (HMMWV) mounted precision survey system. It will consist of an inertial navigation system and a digital communication device. The IPADS will employ current technology that will provide highly precise and accurate survey data passed through a digital link to artillery and target acquisition assets.

Mortar Ballistic Computer (MBC) - MBC will automate the computation of firing solutions and provide the Mortar Fire Direction Center with a capability to compensate for meteorological conditions and propellant temperature, thereby increasing the responsiveness and accuracy of mortar fires. It will provide the primary means by which mortar fire direction centers at the section and platoon levels convert requests for fire into appropriate firing data and fire commands. The MBC will replace the M16 and M19 plotting boards, and mortar and tabular firing tables.

Meteorological Measuring Set Profiler (MMS Profiler) - The program will provide funding to modify and maintain 8 legacy Meteorological Measuring Sets (MMS) (FY06/07) until the Meteorological Measuring Sets-Profiler (MMS-P) are available (FY08/09/10). 5 MMS systems support a single MEF with 3 systems retained for training. MMS Modification includes items applicable to Profiler.

Fire Support Sustainment: Funding will provide upgrades to electronic suites and product improvements to the Meteorological Measuring System.

Common Laser Range Finder - CLRF - Azimuth and Eye-safe Range finding Observation Set (AEROS) will provide the primary means for front line Marine forces at the platoon, company and battalion level to obtain accurate target location. It is a small, light weight, highly portable, night observation capable, optical system containing an integral eye-safe laser rangefinder and azimuth and inclination sensors. AEROS will be capable of interfacing with the Precision-Lightweight Global Positioning Receiver (PLGR) and capable of exporting targeting data to the Target Location, Designation, and Hands-off System (TLDHS) Target Hand-Off System (THS).

VECTOR 21 SUITE (CLRF): One time Supplemental FY05 to reset the forces.

PORTABLE INDUCTIVE ARTILLERY FUZE SETTER (PIAFS): An electronic setter for the inductive fuse used on munitions in field artillery designed to increase efficiency of service and decrease crew error.

ACOUSTIC SENSORS COUNTER FIRE (GCFS): One time Supplemental in FY05 the GCFS is a Commercial Off -the-Shelf/Non-Developmental Item (COTS/NDI) that is being fielded as a response to an Urgent Universal Needs Statement (UNS) by the operating forces. The GCFS is a passive, autonomous system that will provide accurate location of indirect fire systems, explosive detonations, and heavy direct fire weapons. GCFS is a material solution augmenting currently fielded sensor systems. GCFS provides 360-degree coverage and can identify a 155mm howitzer to a minimum of 20km. It operates 24 hours/day, utilizes waveform communications from sensor post to command post and utilizes WGS84 datum and ellipsoid map references.

FY 05 Supplemental Funding Received: \$42.8M

FY06 \$20.0M transferred from baseline to Title IX

Exhibit P-4	Exhibit P-40a, Budget Item Justification for Agg									Februa	ry 2006		
Appropriation / Budget Activity						P-1 Item Nome	nclature:						
Procurement, Marine Corps (1109) / Communi	ications and Electro	nic Equ	ipment (4)					FIRE	SUPPO	RT SYST	EMS		
Procurement Items	Code	UON	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
MORTAR BALLISTIC COMPUTER	А	D	1.4		0.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.4
		Q				63							
METEOROLOGICAL MEASURING SET	А	D	0.0		0.0	3.0	1.5	0.0	0.0	0.0	0.0	0.0	4.5
		Q				VAR	VAR						
FIRE SUPPORT SUSTAINMENT	А	D	0.0		0.0	1.8	4.3	4.4	4.6	4.7	4.8	Cont	Cont
		Q				VAR	VAR						
PIAFS	А	D	0.0		0.0	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.6
TOTAL			1.4		0.4	6.8	5.9	4.4	4.6	4.7	4.8	Cont	32.9
101712													
			_										_

Exhibit P-5,	Ap	ppropriation/	Budget Activity/S	Serial No:				P-1 Line Item Nomer	nclature:		Weapon System Typ	oe:	Date:	
Cost Analysis	Pr	rocurement,	Marine Corps (11	09) / Commu	nications and Ele	ectronics Equipment (IMPROVED PO	SITION AZIMUTH DE SYSTEM (IPADS)					ry 2006
Weapon System		PYs					FY 05	-		FY 06			FY 07	
Cost Elements CI			TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
IPADS - Improved Position Azimuth Determination System Contractor Consulting Services Special Purpose Test Equipment Integrated Logistics Support Factory Training First Destination Transporation						7135 242 324 68 5	49	145612		25	169000			
Total Active Reserve						7774 7774 0			4891 4891 0					

								Date:		
Exhib	it P-5a, Budget Procureme	nt History a	nd Planning					F€	ebruary	2006
Appropriation / Budget Activity/Serial No:		Weapon Syst	em Type:		P-1 Line Item	Nomenclatur	e:			
Procurement, Marine Corps (1109) / Communication	ons and Electronics Equipment (4)				IMPROV	ED POSITION	I AZIMUTH DETERI	MINATION	SYSTEM	I (IPADS)
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$	1	Avail	
IPADS - Imp Position Azimuth Determination Sys										
FY 05	L-3 Communications	FFP-IDIQ	TACOM-Rock Island	Mar-05	Mar-06	49	145612	No	No	Mar-03
FY 06	L-3 Communications	FFP-IDIQ	Rock Island, IL	Oct-05	Mar-07	25	169000	No	No	Mar-03
								 		
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REMARKS:										

FY 07 BUDGET EXHIBIT F		ION S	CHE	DULE																Date	e :				Feb	ruar	y 20	06				
Appropriation Code/CC/BA/BSA/Ite Procurement, Marine Corps (1109)							Wea	apon	Syste	em					Item					N AZ	IMU	JTH	DE	TEF	RMI	NA	ГΙΟ	N S	SYS	TEN	Л (IP	ADS)
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ITEM	Manufacturer's N	IAME / LO	CATION				M	ISR	EC	CON	N	1AX		LT F	Prior		₋T A Oct			Initia Ifg P			leor Ifg F			Т	OTA	ΑL		Unit Mea	t of asure	e
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IPADS		5	MC	49		49						Α												2	2	2	2	3	5	5	5	25
IPADS		6	MC	25		25													Α													25
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REMARKS:			1				1	<u> </u>	1	<u> </u>	1	<u> </u>	1	<u> </u>	<u> </u>	<u> </u>	<u> </u>			<u> </u>												

Exhibit P-5,		Appropriation/	Budget Activity/S	erial No:	P-1 Line Item Non			Weapon System	Туре:	Date:	
Cost Analysis		Communication	Marine Corps (110 ons and Electronic	s Equipment (4)	ACOUSTIC	SENSORS C					ry 2006
Weapon System	ID	PYs		FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
GROUND COUNTER FIRE SENSOR (GCFS)			33899	10	3389900						
Contractor Consulting Services			133								
Integrated Logistics Support			7963								
Total			41995								
Active Reserve			41995 0								

								Date:		
Exhibit	P-5a, Budget Procurement	History a	nd Planning					Fe	ebruary	2006
Appropriation / Budget Activity/Serial No:		Weapon Syste	em Type:		P-1 Line Item	Nomenclature	9:			
Procurement, Marine Corps (1109) / Communications	and Electronics Equipment (4)					ACOUS	STIC SENSORS CO	UNTER F	IRE	
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs	Date	RFP Issue
Fiscal Years		Method and Type			Delivery	Each	\$	Avail?	Revsn Avail	Date
GCFS - Ground Counter Fire Sensor		and type			Bomrony	24011	¥		,a.ii	
FY 05	SELEX - Basildon Essex UK	EED-IDIO	MARCORSYSCOM	May-05	Jun-05	10	3389900	No	No	Feb-05
1 1 05	SELEX - Dasildon Essex OK	TTT-IDIQ	MARCORSTSCOM	Way-03	Juli-03	10	3309900	INO	INO	1 60-03
REMARKS:				-						

FY 07 BUDGET EX			ON S	CHEC	DULE																Date	e :				Feb	ruary	/ 2006	6				
Appropriation Code/CC/BA Procurement, Marine Corp		ol No.								Syste					P-1	1 Item	Nom				CC	DUN	TER	R FI	RE S	SEN	NSO	R (0	GCF	FS)			
								Р	ROD	UCT	ΠOΝ	I RA	TE			Р	ROC	URE															_
ITEM	M	anufacturer's NAI	ME / LO	CATION				М	SR	EC	ON	N	ИΑХ		LT F o O	Prior	ΑL	₋T A Oct	fter		Initia Ifg P	ıl	R	leor Ifg F			T	OTAI	L		nit o leas		
GCFS	S	ELEX BASILDO	ON ESS	SEX UN	ITED KIN	IGDOM			1	:	2		5					7			1			1				8	_	E			_
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REMARKS:																																	

Exhibit P-5,		Appropriation	/ Budget Activity/	Serial No:				P-1 Line Item Nomer	nclature:		Weapon System Typ	e:	Date:	
Cost Analysis					nications and Ele	ectronics Equipment (4)	CLRF-Com	mon Laser Ra	ange Finder			Februa	ry 2006
	ID	PYs					FY 05	l	ı	FY 06			FY 07	
Weapon System Cost Elements	CE	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
CLRF		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
									19462	519	37499	24679	667	3700
Contractor Consulting Services									229			784		
Integrated Logistics Support									229			407		
CLRF														
Integrated Logistics Support									80					
GLTD II						590	7	84286						
Total						590 590			20000			25870		
Active Reserve						590 0			20000 0			25870 0		

								Date:		
Exh	ibit P-5a, Budget Procuremer							Fe	ebruary	2006
Appropriation / Budget Activity/Serial No:		Weapon Syst	em Type:			Nomenclature		_		
Procurement, Marine Corps (1109) / Communica	ations and Electronics Equipment (4)				C	LRF-Con	nmon Laser			
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
CLRF - Common Laser Range Finder										
FY06	Ashbury Intl Group (AIG), VA	C/FFP	MCSC, Quantico, VA	Nov-05	Mar-06	519	37499	No	N/A	Oct-02
FY07	Ashbury Intl Group (AIG), VA		MCSC, Quantico, VA	Oct-06	Nov-06	667	37000		N/A	Oct-02
			ļ	<u>[</u>						

REMARKS The AEROS base contract is for the production of Operational Test (OT) test articles and training. The contract will also include options for production units. The contract production options will be exercised on the "Award Date" indicated above. The "RFP Issue Date" is for the AEROS contract (base plus production options).

Appropriation Code/CC/BA/																									Febr	uary 2	2006				
Procurement, Marine Corps							Wea	pon S	Syste	m				P-1	ltem I	Nome	enclat C		MOI	N LA	ASE	R R	AN	GE I	-INI	DER	(CL	RF)			
							PI	ROD	UCT	ION	RAT	Έ			PF	ROC	UREI										,				
ITEM	Manufacturer's NA	ME / LO	CATION				M	SR	EC	ON	M	ΑX		T P Oc			T Aft Oct 1			nitia g Pl			eord fg P			то	TAL		Uni Mea		·e
CLRF	ASHBURY INTL	GROU	P, VA				,	5	6	5	13	30					1			4			1				5		EA		
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ITEM			C	'	_	_	Ľ	V		IN	В	K	K	'	IN	_	G	-	'	V	C	IN		K	K	'	IN	Ė		-	
CLRF		6 7	MC MC	519 667		519 667														Α				65	65	65	65	65	65	65	64 667
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REMARKS:																												ட			Щ

	Exhibit P-40, B	udget Item Ju	stification Shee	ət		Date:		February 2006		
Equipment	orps (1109) / BA4 - Communicati	ions and Electro	onics	P-1 Item Nome		Small Unit Rem	ote Scouting S	ystem (SURSS)	
Program Elements for C	ode B Items:	Code:	Other Related	l Program Eleme	ents:					
0206313M Marine Cor	orps Communication Equipment	Α								
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty										
Gross Cost	1.8	16.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.3
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	1.8	16.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.3
Initial Spares	0.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
Total Proc Cost	2.5	17.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.8
Flyaway U/C										
Wpn Sys Proc U/C										
Small Unit Remot	te Scouting System (SUR	SS) - The S	URSS Progr	am procures	a capability	for unmanne	ed air vehick	es (UAVs) to	provide the	

Small Unit Remote Scouting System (SURSS) - The SURSS Program procures a capability for unmanned air vehicles (UAVs) to provide the company/detachment level with airborne reconnaissance to aid in detecting, identifying and engaging or avoiding enemy units. The UAVs autonomously gather and transmit imagery of the tactical situation in near-real time at a range of up to ten kilometers. The Dragon Eye (DE) UAV system was selected as the air vehicle to meet the SURSS requirements. DE is a four pound, hand launched, reusable vehicle with a wing span of 36 inches. The air vehicle flies at an altitude of 300-500 feet above ground at a speed of approximately 35 knots. The system has a mission duration of 30-60 minutes. DE's interchangeable payloads, autopilot and propulsion system are commercial-off-the-shelf (COTS) subsystems. The Ground Control Station (GCS) uses a rugged COTS laptop computer connected to a communication control box. A system is composed of three air vehicles, one GCS, spare components and miscellaneous support equipment.

BLI 473400 Small Unit Remote Scouting System (SURSS) was consolidated into a new BLI 474700 Intelligence Support Equipment beginning in FY06.

FY05 Supplemental Funding Received: \$0.5M

Exhibit P-5, Cost Analysis		Communications	t Activity/Serial No: ent, Marine Corp s and Electronics	s Equipment (4)	P-1 Line Item Nomer	clature: SURSS		Weapon System Ty	ype:	Date: Februa	ry 2006
Weapon System	ID	PYs		FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost						
		\$000	\$000	Each	\$						
SURSS (Core) SURSS System (3 Air Vehicles,1Ground Control System) SURSS Air Vehicles Batteries Additional parts (FSRG, Core, GWOT)	В	1170	4809 879 471 1589	40 40							
SURSS (OIF, GWOT) SURSS System (3 Air Vehicles,1Ground Control System) SURSS Air Vehicles			7214 1560	60 71	120235 21975						
Training Support (initial fielding)		650									
TOTAL Active Reserve		1820 1820 0	16523 16523 0								

	Exhibit P-5a, Budget Procurement	History a	nd Planning					Date:	Eobruor:	2006
Appropriation / Budget Activity/Serial No:	Eximon 1 da, Badget 1 roda ement	Weapon Syst			P-1 Line Item	Nomenclature	:		February 2	2006
	09) / Communications and Electronics Equipment (4)					SMALL UN	IIT REMOTE SCOL	JTING SY	STEM	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Iss Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
Complete System										
FY05 (Core funding)	AeroVironment Inc, Simi Valley, CA	FFP	MCB, QUANTICO, VA	Dec 04	April 05	40	120235	Yes	NA	Dec-0
FY05 (OIF, GWOT)	AeroVironment Inc, Simi Valley, CA	FFP	MCB, QUANTICO, VA	Feb 05	Sep 05	60	120235	Yes	NA	Dec-0
Air Vehicles										
FY05 (Core funding)	AeroVironment Inc, Simi Valley, CA	FFP	MCB, QUANTICO, VA	Dec 04	April 05	40	21975	Yes	NA	Dec-0
FY05 (OIF, GWOT)	AeroVironment Inc, Simi Valley, CA	FFP	MCB, QUANTICO, VA	Feb 05	Sep 05	71	21975	Yes	NA	Dec-0
REMARKS:										

	Exhibit P-4	0, Budget Item Justif	ication Shee	et		Date:		February 2006		
Appropriation / Budget Activ	·			P-1 Item Nomencl	ature:					
Procurement, Marine Corps	(1109) / Communications and Electron	ics Equipment (4)				INTELLIGE	NCE SUPPORT EQ	UIPMENT		
Program Elements:		Code:	Other Related Prog	ram Elements:						
0206313M Marine C	orps Communication Equipment	A								
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty										
Gross Cost	223.2	36.6	86.0	26.0	32.3	43.4	34.0	31.7	Cont	Cont
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	223.2	36.6	86.0	26.0	32.3	43.4	34.0	31.7	Cont	Cont
Initial Spares	17.6	0.6	1.8	2.6	1.4	1.1	0.1	0.1	Cont	Cont
Total Proc Cost	240.8	37.2	87.8	28.6	33.7	44.5	34.1	31.9	Cont	Cont
Flyaway U/C										
Wpn Sys Proc U/C										

This is a composite line of the intelligence equipment which includes:

CI/HUMINT Equipment Program (CIHEP) Provides CI/HUMINT Companies with an enhanced capability to collect, receive, process and disseminate counterintelligence (CI), interrogator-translator (IT) and human resources intelligence (HUMINT) from overt, sensitive, technical, tactical, CI/Force Protection and HUMINT operations in the service, joint and combined forces arenas.

Intelligence Broadcast Receiver (IBR) The Joint Tactical Terminal/Common Integrated Broadcast Service - Modules (JTT/CIBS-M) Intelligence Broadcast Receiver (IBR) consists of a family of terminals and CIBS-M hardware and software modules. The Marine Corps IBR systems provide intelligence data to command, control, and intelligence (C2I) elements of the MAGTF. The JTT provides a single family of IBRs for use by the armed forces. Currently, two configurations are being produced; the JTT-T/R (Transmit/Receiver) and the JTT-R (Receiver only) and one configuration is in development; the Embedded National Tactical Receiver (4 channel receive-only). The mission is to provide critical near-real time intelligence to the tactical commander.

Tactical Exploitation Group (TEG) is the only tactical imagery exploitation system in the United States Marine Corps (USMC). The TEG employs Government Off-the-Shelf (GOTS), Commercial Off-the-Shelf (COTS) and Non-Developmental Item (NDI) computer hardware and software to enable rapid upgrade and maintain commonality with Marine intelligence and Joint imagery systems. The modular and scaleable TEG employs a tiered approach comprised of two echelon-tailored configurations: the TEG-Main (TEG-M) and the TEG Remote Workstation (TEG-RW). The TEG-M receives and processes national, theater, and tactical imagery and supplies the commander and subordinate commanders with exploitation reports and secondary imagery products for tactical operations, strike planning, precision targeting, detection and location of targets of opportunity, and battle damage assessment for restrike planning and intelligence assessment. The TEG-RW(s) provides imagery support to subordinate units within the MEF that do not require full TEG-M support.

MAW Video Exploitation Suites - Tactical Photo Cameras that support Visual Aerial Reconnaissance (VAR) in support of 3D MAW for night time Operations.

NAVD PHOTO CAPABILITY - A man portable system (laptop), 2 hard cases or less that disseminates still and video imagery formats in support of the 3D MAW which are required bomb damage assessments.

		Date:
Exhibit P-40, Budget Item Justification Sheet		February 2006
Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:	
Procurement, Marine Corps (1109) / Communications and Electronics Equipment (4)		INTELLIGENCE SUPPORT EQUIPMENT

Joint Worldwide Intelligence Communications System (JWICS) - is the Top Secret Sensitive Compartmented Information (TS/SCI) portion of the Defense Information System Network. It incorporates advanced networking technologies that permit point-to-point or multi-point information exchange involving voice, text, graphics, data and video teleconferencing within the Department of Defense (DOD) Intelligence Community. JWICS provides Marine Forces with special intelligence that significantly enhances the detail and quality of intelligence support that intelligence organizations provide to operating forces in both tactical and garrison environments. This intelligence support provides 24-hour TS/SCI intelligence processing, imagery production/manipulation, TS/SCI data dissemination between DoD components, and multimedia communications to include Joint Intelligence Virtual Architecture (JIVA) and Net-Meeting Point-to-Point video teleconferencing which are required for collaboration with various theater and national intelligence organizations.

MANPACK SIDS (MSIDS) - MSIDS is a manpackable digital imagery collection/transmission system. This system is comprised of three sets of outstation equipment and one set of base station equipment. The outstation suites each consist of one (1) COTS advanced digital still-photo camera, one basic digital still-photo camera, one (1) night vision intensifier tube, one (1) rugged handheld computer with data controller hardware/software, and a set of fixed and telephoto lenses. The base station suite is comprised of a rugged laptop computer and a COTS printer for hardcopy prints of collected images. MSIDS works in conjunction with organic USMC/USN radios to transmit collected images from forward observation positions to intelligence/operations centers within the MAGTF.

Tactical Concealed Video System (TCVS) - consist of cameras, transmission systems, monitors, and supply support blocks that allow the units to overtly monitor choke points lines of communications of IED (Improvised Explosive Devices). Provides the Infantry Battalions and Reconnaissance Units the capability to observe key Lines of Communication (LOC) and areas of interest critical to its mission by conducting observation of an area through the use of concealed and overt video camera positions. TCVS capabilities give operational commander the ability to react to threats in near real-time by providing detailed information and locations to subordinate units that subsequently can engage targets and defeat threats prior to enemy or subversive actions being taken against friendly or coalition forces.

Radio Reconnaissance Equipment Program (RREP) - The RREP program supports Radio Reconnaissance Teams by providing a highly deployable, manpackable signals intercept system in support of Marine Expeditionary Unit-Special Operations Capable (MEU SOC) operations, advanced force reconnaissance scenarios, as well as the entire spectrum of Marine Air-Ground Task Force (MAGTF) contingency operations.

Communication Emitter Sensing and Attacking System (CESAS) - a system of COTS/GOTS designed to support the MAGTF Commander in conducting operations. It provides the capability to effectively sense/detect and attack, through the use of electromagnetic energy, the enemy's communication systems in support of the Commander's Command and Control Warfare plan. The system will replace the existing AN/ULQ-19 and will assume the mission of sensing and denying the enemy the use of the electromagnetic spectrum, thereby disrupting his command and control system. Though primarily HMMWV-mounted, CESAS will also be capable of both seaborne and airborne deployment and employment, enhancing the Radio Battalion's ability to support Expeditionary Maneuver Warfare. The CESAS operate within the bandwidth of 20 to 1500 MHz (Threshold) 2MHz to 2500 MHz (Objective) against enemy emitters that use modern modulation schemes.

BRITE (Broadcast Request Imager Technology Experiment) M22 Imagery Dissemination Systems - is a software application that provides raw secret-level image3ry to the maneuver commander. BRITE imagery enhances a commander's ability to select the most favorable course of action before the fight, to maintain situational awareness during the fight, and to conduct battle damage assessment (BDA) after the fight. The exploitation of BRITE imagery can reduce casualties and increase the probability of mission success.

		Date:
Exhibit P-40, Budget Item Justification Sheet		February 2006
Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:	
Procurement, Marine Corps (1109) / Communications and Electronics Equipment (4)		INTELLIGENCE SUPPORT EQUIPMENT

Team Portable Collection System - Multi-Platform Capable (TPCS-MPC) - The TPCS-MPC will provide the MAGTF commander with a modular and scaleable carry on/carry off suite of equipment capable of conducting SIGINT operations onboard organic non-dedicated Marine Corps air, ground, and water borne platforms. The TPCS-MPC will be a highly modular, mission configurable, multi-platform system incorporating plug-and-play technologies. The system will provide state-of-the-art, versatile air/ground water borne SIGINT and EW support to the MAGTF through the use of lightweight, flexible mission equipment suites capable of detecting, identifying, locating, and exploiting current and emerging communications technologies, intercepting non-communication signals, and improving the system's geolocation accuracy. TPCS-MPC will allow the MAGTF to expand its SIGINT capabilities to more fully exploit the electromagnetic spectrum by employing coordinated air, ground, and water borne multi-platform collection and exploitation tactics.

Distributed Common Ground/Surface System (DCGS) is a collection of Service Systems that will contribute to joint and combined war fighter needs, for intelligence, surveillance, and reconnaissance support. This DCGS initiative provides the Marine Corps a Joint Interoperable SCI fusion capability that will leverage multi-level security guards to disseminate finished intelligence to the collateral GCCS-I3 command and control interface. The DCGS Integration Backbone (DIB) is the architecture that will tie the Service DCGS systems together into one Family of Systems (FOS). The DIB will provide the tools, standards, architecture, and documentation for the DCGS community to achieve a Multi-INT (e.g. IMINT, SIGINT, MASINT, CI/HUMINT), network centric environment with the interoperability to afford individual nodes access to the information needed to execute their respective missions. This will enable a higher level of fusion to enhance All-Source Analysis. When realized, the requirements in this system will enable an unprecedented level of operational flexibility and Joint interoperability within the within the Marine Corps MAGIS architecture. The DIB provides a commercial-off-the-shelf (COTS) enterprise integration framework with the capability to integrate the components and networks necessary to form a distributed and collaborative enterprise over the network communications

TECHNICAL SURVEILLANCE COUNTERMEASURES (TSCM) - The Technical Surveillance Countermeasures (TSCM) program is a multi-service/agency required "performance level" suite of equipment which provides the MAGTF Commander with a state-of-the-art, mission critical information protection capability required by national directive for each participant authorized to engage in this activity. TSCM equipment is designed to detect, locate, identify, neutralize and/or exploit clandestine audio, radio frequency, laser, infrared, optical, and telephone surveillance threats in and around areas where classified or sensitive information is discussed, handled, and/or viewed. The TSCM suite consists of COTS/NDI equipment selected by the TSWG. Furthermore, the TSCM suite consists of equipment items which are currently in use by other federal agencies.

TROJAN SPIRIT LITE - Is an SHF multi-band satellite communications terminal, available in either HMMWV-mounted or transit case configuration, that provides dedicated tactical communications capability at the TS/SCI and Secret Collateral levels to USMC intelligence units. TROJAN SPIRIT terminals provide connectivity into JWICSs, NSANET and SIPRNET via the TROJAN Network Control Center.

Exhibit P-40, Budget Item Justification Sheet		Date: February 2006
Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:	
Procurement Marine Corps (1109) Communciation and Electronics Equipment (4)		INTELLIGENCE SUPPORT EQUIPMENT

TOPOGRAPHIC PRODUCTION CAPABILITY (TPC) - The Topographic Production Capability (TPC) is an integrated, independently deployed, self-contained terrain analysis system designed for data acquisition, manipulation, analysis and output, providing commanders and staff with GEOINT support at the MEF and the MEW levels. The TPC configurations consist of COTS/Government-Off-The-Shelf (GOTS) software packages, servers, workstations, large-format printing/plotting devices and large-format scanning devices, al mounted in transit cases. The TPC provides critical, timely, and accurate digital and hardcopy geospatial information to support mission planning and execution. The TPC provides the capability to collect, process, exploit, analyze, produce, disseminate, and use all-source geospatial information as a foundation for a COP for the MAGTF Commander. The TPC is used by the Topographic Platoon of the MEF and provides deployable modules down to the Major Subordinate Command (MSC) and the Marine Expeditionary Unit (MEU). It supports the Commander, Joint Task Force or Marine Component Commander. The TPC provides the frame work for the Common Tactical Picture (CTP) of the battlefield; terrain analysis in support of the Intelligence Preparation of the Battlefield (IPB) process; all source terrain data collection, analysis and integration; and decision-aid development support.

USMC TERRAIN ANALYSIS & PRODUCT - A congressional plus-up. The TPC provides the infrastructure for this product. This program provides terrain data collection, analysis and integration; and decision-aid development support. This is an enhanced capability integrated into the TPC program.

SMALL UNIT REMOTE SCOUTING SYSTEM (SURSS) - The SURSS program procures a capability for unmanned air vehicles (UAVs) to provide the company/detachment level with airborne reconnaissance to aid in detecting, identifying and engaging or avoiding enemy units. The UAVs autonomously gather and transmit imagery of the tactical situation in near-real time at a range of up to ten kilometers. The Dragon Eye (DE) UAV system was selected as the air vehicle to meet the SURSS requirements. DE is a four pound, hand launched, reusable vehicle with a wing span of 36 inches. The air vehicle flies at an altitude of 300-500 feet above ground at a speed of approximately 35 knots. The system has a mission duration of 30-60 minutes. DE's interchangeable payloads, autopilot and propulsion system are commercial-off-the-shelf (COTS) subsystems. The Ground Control Station (GCS) uses a rugged COTS laptop computer connected to a communication control box. A system is composed of three air vehicles, one GCS, spare components and miscellaneous support equipment. SURSS FY04-FY05 is in BLI 473400.

TACTICAL REMOTE SENSOR SYSTEM (TRSS-PIP) - will provide all weather direction, location determination, targeting, and tactical indications and warning of enemy activity in the Marine Air Ground Task Force (MAGTF) Commander's Area of Interest. The TRSS-PIP is an equipment suite consisting of three primary subsystems: Unattended Ground Miniature Sensors (UGMS); Relay Systems; and monitoring systems. The sensor systems will include seismic/acoustic sensors, electro-magnetic sensors, infrared (passive) sensors; and air-delivered sensors. The relay systems include dual channel duplex commandable and single channel repeaters. The monitoring system includes the Sensor Mobile Monitoring System (SMMS). The composition of the three sub-systems are comprised of several individual components. As the Product Improvement Program proceeds, upgrading of individual components will occur on an as needed basis. The Sensor Mobile Monitoring System is procuring softwar

BLI 474700 is a consolidation of BLI 471400 Tactical Remote Sensor System and 473400 Small Unit Remote Scouting System (SURSS) beginning in FY06. FY05 Supplemental Funding Received: \$21.3M

FY06 Total for Title IX Funding Received: \$35.0M

							Date:				
Exhibit P-40a, Budge	ten	<u> Justifica</u>	tion for A	ggregated	d Items			F	ebruary 200	16	
Appropriation / Budget Activity					P-1 Item Nomen	clature:					
Procurement, Marine Corps (1109) / Communications and							INTELLIGEN	ICE SUPPORT E	QUIPMENT		
	Code	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
CIHEP	Α	5.2	1.4	1.4	1.6					Cont	Cont
DISTRIBUTED COMMON GROUND STATION INTEGRA	Α	0.0	0.0	1.3	3.2					Cont	Cont
INTELLIGENCE BROADCAST RECEIVER (IBR)	Α	9.3	2.0	1.3	0.4					Cont	Cont
JWICS	Α	0.0	0.0	0.7	0.8					Cont	Cont
MANPACK SIDS	Α	1.0	1.5	4.7	1.7					Cont	Cont
\$3.070 to Supplement (MSIDS)											
MAW Video Exploitation Suites	Α	0.0	0.4	0.0	0.0					0.0	0.4
NAVD Photo Capability for MAW	Α	0.0	0.3	0.0	0.0					0.0	0.3
RADIO RECONNAISSANCE EQUIP PROGRAM	Α	4.9	1.9	4.0	3.8					Cont	Cont
TECHNICAL SURVEILLENCE COUNTERMEASURES	Α	2.1	0.0	1.2	0.0					Cont	Cont
TOPOGRAPHIC PRODUCTION CAPABILITY	Α	13.0	1.3	2.3	0.0					0.0	16.5
\$2.250M to Supplement (DTAMS)											
USMC TERRAIN ANALYSIS & PRODUCT (TAP)	Α	0.0	1.0	0.0	0.0					0.0	1.0
BRITE M22 Imagery Dissemination Systems	Α	0.0	0.0	1.7	0.0					0.0	
Total			9.9	18.6	11.5					0.0	

Exhibit P-5, Cost Analysis		Appropriation/ Budget Act Procurement, Marine Cor and Electronic	•	ınications	P-1 Line Item	Nomenclature: TCVS		Weapon System	Туре:	Date: Febr	uary 2006
Weapon System	ID	PYs		FY05			FY06			FY07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
TCVS	Α										
Platform/System			5598	6	933000	2799	3	933000			
- Program Management Support			102			201					
CESAS FLAMES	Α										
Platform/System Integration Kit											
AN/USQ - 146			10257	16	641063						
- Radio Threads			1421	80	17763						
Integrated Logistics Support											
- Prog/Tech Documentation			5692								
JSIPS-TEG	Α										
- TES 8.X-9.X Baseline Mods/Integration						161					
- ATARS Solid State Recorder Proc/Integ											
- Common Imagery Processor (CIP) Upgrade						1960	4	490000			
- CDL Refresh											
- TIGDL-II Refresh						1800	1	1800000			
- Peripheral Refresh		1925				6000	3	2000000			
Interoperability Requirements											
Vehicle Component Refresh											
Integrated Logistics Support			249			474					
Program Support		853									
MTI Future Capability			405			460			267		
IDP System Upgrades			328								
TOTAL		2778	24052			13855			267		
ACTIVE RESERVES		2778	24052			13855			267		

Exhibit P-5,	ľ	Appropriation/ Budget Ad Procurement Marine C		mination	P-1 Line Item N	Iomenclature:		Weapon System	Туре:	Date:	
Cost Analysis			ics Equipment (4)	inication		30133				Febr	uary 2006
Weapon System	ID	PYs		FY 05			FY 06			FY 07	
	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
SURSS SURSS System (3 Air Vehicles,1Ground Control System)	Α					11574	101	114594	3482	25	139280
CLS/Replacement Parts						3221			135		
Training Support (initial fielding)						535			200		
Team Portable and Ground Platform Intg Kits	A					7235	16	452188	4539	10	453900
Program Management Mod Kit ILS			1200 1225 212			406			121		
* Unit Cost changed due to Reconfiguration of System											
TROJAN SPIRIT LITE Mobile Trojan Spirit - Program Management Support - Integrated Logistic Support - P3I Upgrades	A					5700 346 403 851	6	950000	2850 244	3	950000
TOTAL Active Reserve			2637 2637			30271 30271			11571 11571		

Exhibit P-5, Cost Analysis			Appropriation/ Budget Procurement Marine and Electro		nunication	P-1 Line Item N TACTIC	Nomenclature: AL REMOTE SENS	SOR	Weapon System T	ype:	Date: Feb	ruary 2006
Weapon System	Ī	ID	PYs		FY 05			FY 06			FY 07	
Cost Elements		CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
OOST EIGHICITIS			\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
TRSS PIP		Α										
UGMS - Thermal Imagers - HHPM - Satellite Communications Modules							6264 73 300	222 4 200	28216 18250 1500			
Sensor Mobile Monitoring System							2652	23	115304			
Air Relay/Air Recovery												
Mobile Sensors										1510		
UAV Delivered Sensors												
Alternative Power												
Integrated Logistics Support - Technical Documentation - Project Management	TOTAL						9289			650 506 2666		
Sensor Mobile Monitoring System - Target Recognition Sensor - Advanced Air Delivered Sensors Sensor Mobile Monitoring System - Technical Documentation		Α					5207 6408 2318 67	260 159 14	20027 40302 165571			
	TOTAL						14000					
TOTAL ACTIVE RESERVES							23289 23289			2666 2666		

Fyhihit	P-5a, Budget Procureme	nt History a	nd Planning					Date:	ebruary	2006
Appropriation / Budget Activity/Serial No:	1 -Ja, Buuget i rocuremen	Weapon Syst			P-1 Line Item	Nomenclature	:	F	ebruary	2006
Procurement, Marine Corps (1109) / Communication	s and Electronics Equipment (4)						TCVS			
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issu Date
Fiscal Years		and Type			Delivery	Each	\$	Avaii:	Avail	Date
TACTICAL CONCEALED VIDEO SYSTEM (TCVS)										
FY05 PLATFORM/SYSTEM	Sentrus, Chesterfield, MO	FFP	MCSC QUANTICO VA	Sep-05	Nov-05	6	933000	YES	N/A	N/A
FY06 PLATFORM/SYSTEM	Sentrus, Chesterfield, MO	FFP	MCSC QUANTICO VA	Mar-06	May-06	3	933000	YES	N/A	N/A
CESAS FLAMES										
FY05										
AN/USQ-146	ROCKWELL COLLINS CEDAR RAPID IA	FFP	MCSC QUANTICO VA	Aug-05	Jan-06	16	641063	YES	N/A	N/A
RADIO THREADS	ROCKWELL COLLINS CEDAR RAPID IA	FFP	MCSC QUANTICO VA	Aug-05	Jan-06	80	17763	YES	N/A	NA/
JSIPS-TEG										
FY06 JSIPS CIP	SPAWAR, Charleston	FFP	Charleston, S.C.	Dec-05	Feb-06	4	490000	No	N/A	N/A
REMARKS:										

	oit P-5a, Budget Procurement	-	_					Date: Fe	ebruary	2006
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communicat	ions and Electronics Equipment (4)	Weapon Syst	ет Туре:			Nomenclature ALL UNIT	: REMOTE SCO	DUTING	SYST	EM
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First	QTY Each	Unit Cost	Specs Avail?	Date Revsn Avail	RFP Issu Date
SURSS Complete System		and Type			Delivery	Each	\$		Avail	
FY06 FY07	AeroVironment Inc, Simi Valley, CA AeroVironment Inc, Simi Valley, CA	FFP FFP	MCB, QUANTICO, VA MCB, QUANTICO, VA	Jan 06 Nov 06	May 06 Mar 07	101 25	139280	Yes Yes	NA NA	Dec-0
TPCS - MPC										
FY06 Team Portable and Ground Platform Intg Kit: FY07 Team Portable and Ground Platform Intg Kit		FFP FFP	NSMA VA NSMA VA	Jul-06 Dec-06	Jan-07 Jun-07	16 10	452188 453900		N/A N/A	
TROJAN SPIRIT LITE FY06 Mobile Trojan Spirit FY07 Mobile Trojan Spirit	US Army CERDEC I2WD US Army CERDEC I2WD	Var Var	Fort Monmouth, NJ Fort Monmouth, NJ	Nov-05 Nov-06		6 3	950000 950000		N/A N/A	N/A N/A
REMARKS:										

F	khibit P-5a, Budget Procureme	nt History a	and Planning					Date:	ebruary	2006
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Comm		Weapon Syst			P-1 Line Item	Nomenclature TACTIC	e: CAL REMOTE SENS			2006
VBS 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?	Date Revsn Avail	RFP Is
Factical Remote Sensor Systems - PIP FY-06 Thermal Imagers	NOVA Cincinnati Ohio	FFP	NSWC Crane IN.	Feb-06	Jul-06	222	28216	Yes	N/A	N/A
Sensor System, Monitor Mobile FY-06 Target Recognition Sensor FY-06 Advanced Air Delivered Sensors	ESC	FFP	Hanscom AFB, MA Hanscom AFB, MA	Feb-06 Feb-06	Jun-06 Jun-06	260 159	20027 40302	Yes Yes	N/A N/A	N/ <i>i</i>

FY 07 BUDGET EXHIBIT P-2		ON SC	CHEC	ULE																Date	:				Febru	ıary 2	2006				
Appropriation Code/CC/BA/BSA/Item (Procurement, Marine Corps (1109) /	Control No.						Wea							P-1	Item	Nome	encla	ture:			,	JSIP	S T	EG							
							PF	ROD	UCT	ION	RAT	E			PF	ROC	URE	MEN	NT LI	EAD	TIMI	ES									
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ITEM			V	Т	Е	Α	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	JUN	JUL	A U G	S E P	O C T	N O V	D E C	JAN	F E B	M A R	A P R	M A Y	J U K	JUL	A U G	S E P	A N C E
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FY 07 BUDGET EXHIB	SIT P-21, PRODUCTION	ON S	CHEC	DULE																Date	e:				Febr	uary 2	2006				
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	Exhibit P-40,	Budget Item J	ustification	Sheet		Date:		February 200	6	
Appropriation / Budget Activity	/Serial No:			P-1 Item Nomencla	iture:	<u> </u>				
Procurement, Marine Corps (1	109) / Communications and Electronics	s Equipment (4)				MOD	IFICATION KITS (IN	ITELL)		
Program Elements:		Code:	Other Related Prog	ram Elements:						
0206313M Marine 0	Corps Communication Equipment	Α								
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty										
Gross Cost	49.1	9.0	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	49.1	9.0	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Initial Spares	7.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Total Proc Cost	56.3	9.7	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Flyaway U/C										
Wpn Sys Proc U/C										

Modifications under this line are for the purpose of correcting equipment deficiencies noted after new items are fielded, or to increase operational capabilities of end items previously fielded. The funding profile supports modifications to the following intelligence systems. All items are Code A.

Tactical Electronic Reconnaissance Processing and Evaluation System (TERPES)
Intelligence System Readiness (ISR)
Intelligence Analysis System Mod (IAS MOD)

Joint Surveillance Target Attack Radar System (JSTARS)

Technical Control & Analysis Center PIP (TCAC-PIP)

Intelligence/Ops Workstation

FY05 Supplemental Funding \$0.81M

Exhibit P-40a, E	Budget Iten	n Justifica	tion for Ac	agregated	l Items			Date:		February 200	6	
Appropriation / Budget Activity Procurement, Marine Corps (1109) / Cor				ggregatee	i items	P-1 Item Nomer	nclature:	MOD	FICATION KITS		_	
Procurement Items	Code	Prior Years		FY 2005	FY 2006	FY 2007					To Complete	Total Prog
AN/TSQ-90 TERPES	A	12.5		0.8	0.0	0.0						13.3
INTELLIGENCE SYSTEMS READINESS	A	0.0		1.0	0.0	0.0						1.0
THE LEGISLANCE OF OF LINE WE AS INC.		0.0			0.0	0.0						
IAS MOD	A	9.7		2.1	0.0	0.0						11.8
JSTARS	A	10.5		3.4	0.0	0.0						13.9
TCAC PIP	A	4.0		1.5	0.0	0.0						5.5
Intelligence/Ops Workstation	A	0.0		0.2	0.0	0.0						0.2
TOTAL				9.0	0.0	0.0						

	Exhibit	P-40, Budget	Item Justific	cation Shee	t		Date:		February 2006	6	
Appropriation / Budget Activity	/Serial No:				P-1 Item Nomencla	ture:					
Procurement, Marine Corp	os (1109) / Communications and E	Electronics Equipment	(4)				VISUAL IN	FORMATION SYS	STEMS (VIS)		
Program Elements:			Code:	Other Related Pro	gram Elements:						
0206315M Fo	rce Service Support Group		Α								
	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty											
Gross Cost	9.8		22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	9.8		22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0
Initial Spares			0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
Total Proc Cost	9.8		22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0
Flyaway U/C											
Wpn Sys Proc U/C											

This is a roll-up line which contains items of equipment for which the annual procurement is less than \$5 Million each. The funds included in this budget line allow procurement of the following items:

Audio-Visual Production Equipment: This program provides equipment to Combat Camera personnel throughout the Fleet Marine Corps. Combat Camera AVPE systems include combat digital still and video acquisition systems, as well as editing and dissemination systems. This equipment provides commanders with operational and chronological video, still photo capabilities required to accomplish their mission across the operational spectrum. Procurements are centrally managed and priority is given to non-developmental, Commercial/Government Off-The-Shelf (COTS/GOTS) equipment. Through this program, systems are standardized, obsolete or deteriorated equipment is replaced, and emerging requirements are met.

Public Affairs Equipment: This program provides equipment to Fleet Marine Forces (FMF) Public Affairs (PA) elements throughout the Fleet Marine Forces. It provides commercially available still photo, video, editing, transmission and dissemination equipment systems to satisfy the Marine Corps' Public Affairs Capability across the operational spectrum, making it possible to tell "The Marine Corps Story" to Marines, families, the American public and the world. Procurements are centrally managed and priority is given to non-developmental, Commercial/Government Off-The-Shelf (COTS/GOTS) equipment. Through this program, systems are standardized, obsolete or deteriorated equipment is replaced, and emerging requirements are met.

Tactical Imagery Production System (TIPS) - FY05 funding includes \$19.5 (Tactical Repro Capability) and \$1.1 (TIPS (GWOT)) supplemental funding for this program. TIPS provides Combat Camera forces a deployable, task-organized and highly mobile multi-visual information capability. It provides commanders a modern, digital imaging and tactical reproduction capability and it replaces the existing, obsolete systems (i.e Mobile Photo Labs, wet-process film capability, other tactical reproduction systems). TIPS facilitates the acquisition, production and transmission of high-resolution imagery, via high-speed interfaces, to Headquarters elements, in real or near-real time, and makes possible the electronic storage, organization and rapid retrieval of tactical imagery to support operational reporting, briefings, lesson learned, historical programs, foreign materials exploitation, training and general information.

FY05 funding includes \$19.5 Tactical Repro Capability and \$1.1 TIPS (GWOT) supplemental

Exhibit P-40a, Budge	t Iten	n Justifica	tion for A	Aggregate	ed Items	Date:		Februa	ary 2006		
Appropriation / Budget Activity				P-1 Item Nome		<u> </u>			,		
Procurement, Marine Corps (1109) / Communications and Electr	onic E	quipment (4)				VISUA	AL INFORMAT	TION SYSTEM	MS (VIS)		
Procurement Items	Code	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
VISUAL INFORMATION SYSTEMS	Α	4.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
PUBLIC AFFAIRS	Α	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
COMBAT VIDEO SYSTEMS	Α	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Totals		4.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Exhibit P-5, Weapon			et Activity/Serial No: t, Marine Corps (110	19) /	P-1 Line Item Nor	menclature: RMATION SYSTE	MS (\/!S\	Weapon System	Type:	Date:	
WPN SYST Cost Analysis		Communications a	and Electronics Equi	pment (4)	VIOUAL INITOR	WATION STOLE					uary 2006
Weapon System	ID	Prior Years		FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
	+	\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Tactical Reproduction Capability/TIPS TOTAL		\$OOO	20900 20900	13	\$ 165000	\$OOO	Each	\$	\$OOO	Each	\$

								Date:		
Exhibi	t P-5a, Budget Procurement							F	ebruary 2	2006
Appropriation / Budget Activity/Serial No:		Weapon Syst	em Type:		P-1 Line Item	Nomenclatur	e:			
Procurement, Marine Corps (1109) / Communication	ons and Electronics Equipment (4)					VISUAL I	NFORMATION S	YSTEMS	(VIS)	
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs	Date	RFP Issue
	Contractor and Location	Method	Location of FCO	Awaiu Dale				Avail?	Revsn	Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
Tactical Reproduction Capability/TIPS	FT MONMOUTH NJ	MP	FT MONMOUTH NJ	Jul-05	Feb-06	13	1650000	YES	NA	YES
REMARKS:	1									
KEMPKKO.										

						Date:				
	Exhibit P-4	0, Budget Item Justifi	cation She	et				February 200	6	
Appropriation / Budget Act	ivity/Serial No:			P-1 Item Nomencl	ature:					
Procurement, Marine Corp	s (1109) / Communications & Elec Eq	uip (4)			COM	PLEMENTARY LO	W ALTITUDE WEA	PON SYSTEM (C	LAWS)	
Program Elements:		Code:	Other Related Pro	gram Elements:						
0206313M Tactical Ai	r Control Systems (Marine Corps)	А								
	Prior Years*	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty	4	2								
Gross Cost	0.0	6.1	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	0.0	6.1	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Initial Spares	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Total Proc Cost	0.0	6.1	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Flyaway U/C										
Wpn Sys Proc U/C										

COMPLEMENTARY LOW ALTITUDE WEAPON SYSTEM (CLAWS): CLAWS is a mobile ground based air defense missile system. CLAWS shall provide a rapidly deployable, high firepower, all-weather, standoff air defense system to defend Marine Expeditionary Forces and Naval Forces from attack by cruise missiles, aircraft and Unmanned Air Vehicles (UAVs). CLAWS takes advantage of government furnished equipment (GFE) and non-developmental items (NDI) and technology by integrating current inventory DoD missiles with existing High Mobility Multi-purpose Wheeled Vehicles (HMMWV). It shall complement existing Short Range Air Defense (SHORAD) capabilities and shall interface with current and proposed Marine Air Command and Control System sensors and data paths. CLAWS Increment 0, supported by its command and control node, the Air Defense Communication Platform - Enhanced Package (ADCP(EP)), will provide the initial capability. CLAWS Increment I will align with and become the launcher for the Army Surface Launched Advanced Medium Range Air-to-Air Missile (SLAMRAAM) Increment I. The Marine Corps relies on SLAMRAAM Increment I program to develop the final threshold capability with the CLAWS Increment I launcher.

NOTES:

- (1) Complementary Low Altitude Weapons System was moved to BLI 305100 Complementary Low Altitude Weapon System beginning in FY06.
- (2) CLAWS AAO of 65 consists of 57 production units, 1 LRIP under the SLAMRAAM Increment I contract, (4) production representative systems (PRS) developed under the Marine Corps R&D Firm-Fixed Price (FFP) contract, and (2) procured with PMC funding in FY05 and (1) A-CLAWS using RDT&E.
- (3) CLAWS Increment 0 acquisition is limited to six (6) PRS launchers to be procured on contract between Marine Corps Systems Command and Raytheon Andover, MA.
- (4) CLAWS Increment I production units will be procured on the Army SLAMRAAM contract with Raytheon, Andover, MA.
- (5) CLAWS prior year quantity of (4) were purchased with RDT&E and (2) with PMC. These quantities equate to the referenced 6 PRS launchers in note (3).
- (6) CLAWS Missiles will be procured beginning in FY 2009.

Exhibit P-5, Cost Analysis		Electronic Equipment	C(1109) / Communication		P-1 Line Item Nomen Complimentary Syste		Veapon	Weapon System Ty	/pe:		uary 2006
	ID	PYs		FY 05			FY 06			FY 07	
Cost Elements	ID Cod e	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	е	\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Launcher Unit (Block 0)			5291	2	2645543						
Govt Furnished Equipment			853								
TOTAL ACTIVE			6144 6144								
RESERVE											

								Date:		
Exhibit P-5a	a, Budget Procurement Hist							Fe	bruary	2006
Appropriation / Budget Activity/Serial No:		Weapon Syste	em Type:		P-1 Line Item	Nomeno	clature:			
Procurement, Marine Corps (1109)/Communication	ns and Electronics Equipment (4)					Com	plimentary Low	Alt Wpn S	ystem	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$	Avail?	Revsn Avail	Date
, local Four		ana i ypo			20	Laon	*		7174	
FY05										
CLAWS Launchers	Raytheon, Andover, MA	FFP	MCSC, Quantico, VA	Sep-05	Nov-06	2	2645543	Υ	N/A	N/A
Remarks:	•									

	Exhib	oit P-40, Budg	et Item Justifica	tion Sheet		Date:		February 200	06	
Appropriation / Budget Activity/Serial No:				P-1 Item Nomenclature:		1		-		
Procurement, Marine Corps (1109) / Communications and Electro	onics Equipment (4)						NIGHT VISION EQUIP	MENT		
		Code:	Other Related Program I	Elements:						
0206211M Divisions (Marine)		Α								
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty										
Gross Cost	227.1	605.5	103.0	13.7	15.2	29.5	29.2	29.1	Cont	Cont
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	227.1	605.5	103.0	13.7	15.2	29.5	29.2	29.1	Cont	Cont
Initial Spares	1.1	0.0	0.2	0.2	0.2	0.2	0.2	0.2	Cont	Cont
Total Proc Cost	228.2	605.5	103.1	13.8	15.4	29.7	29.4	29.3	Cont	Cont
Flyaway U/C										
Wpn Sys Proc U/C										

This is a rollup line for Night Vision Equipment consisting of:

THERMAL WEAPON SIGHT/PAS 13 - The Thermal Weapon Sight (TWS) is a lightweight, low power, high performance, forward looking infrared (FLIR) device. TWS will augment existing crewserved night vision sights. TWS operates by discerning the temperature variation between targets and their background. The TWS is completely passive and although designed for target detection and engagement with Marine Corps crew-served weapons, it can be used for all weather surveillance.

NIGHT VISION MODIFICATION - The Night Vision Modification will provide enhancements and improvements to current systems including advancements in night vision optics, directed energy devices, thermals, and fusion systems.

AEROS (AN/GVS-5 Replacement) - Azimuth and Eye-safe Range finding Observation Set (AEROS) will provide the primary means for front line Marine forces at the platoon, company and battalion level to obtain accurate target location. It is a small, light weight, highly portable, night observation capable, optical system containing an integral eye-safe laser rangefinder and azimuth and inclination sensors. AEROS will be capable of interfacing with the Precision-Lightweight Global Positioning Receiver (PLGR) and capable of exporting targeting data to the Target Location, Designation, and Hands-off System (TLDHS) Target Hand-Off System (THS).

PVS 14 (PEI REPROCUREMENT) - The AN/PVS-14 Monocular Night Vision Device can be used as a hand-held pocket scope, mounted to a head or helmet or mounted to a weapon. 1st Marine Division requested systems to prepare for Operation IRAQI Freedom. This item continues to provide a critical capability and is planned to remain in the inventory through the year 2013.

THERMAL BINOCULAR (LRTI and TRTI) - The LRTI is a stand-alone, portable binocular, hand-held, battery-operated style instrument used to observe/orient, detect and identify targets, conduct surveillance and assist in engaging targets during all lighting conditions. The TRTI is a stand-alone, portable binocular, hand-held, battery-operated style instrument used to observe/orient, detect and identify targets, conduct surveillance and assist in engaging targets during all lighting conditions.

Exhibit P-40, Budget Item Justificat		Date: February 2006
Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:	
Procurement, Marine Corps (1109) / Communications and Electronics Equipment (4)		NIGHT VISION EQUIPMENT

FAMILY OF INDIVIDUAL OPTICS - The Family of Individual Optics initiative will be used to replace AN/PVS-7Bs in Recon units, procure Individual Marine Infantry Weapons Sights (IMIWS) and additional AN/PVS-17 Mini Night Sights (MNS) for the Marine Corps. The initiative will provide Marines with the ability to detect, recognize, identify, and accurately engage targets during day, night lighting conditions and limited visibility.

SNIPER SYSTEM CAPABILITY SETS - This initiative will be used to replace M49 Spotting Scopes and to procure Sniper Day/Night Target Acquisition and Surveillance (SDNTAS) devices for the Marine Corps. The SDNTAS and SDNTOS capabilities provide the scout sniper the ability to detect, recognize, identify and accurately engage targets day, night and during obscure battlefield conditions to the maximum effective ranges of the sniper's weapon in all environments where a sniper may be employed. The **SIMRAD SNIPER SCOPE (**KN203FAB) will allow the user to engage and/or identify targets during periods of low-light or nighttime operations when used with the Sniper Day Sight. The SIMRAD is equipped with a mounting system that allows it to be attached to a Sniper Day Scope and a field adjustable boresight that enables the system to be boresighted to any weapon system on which it is mounted.

RIFLE COMBAT OPTIC - The RCO will be an optical scope of fixed power designed to enable the Marine to identify and engage personnel at the maximum effective range of the M16A4 service rifle during varying light conditions. The RCO will be a compact, rugged and capable aiming device. The ADV COMBAT OPTIC GUNSIGHT is a magnified optical weapon sight for the M16A4.

INFRARED ILLUMINATOR - The Infrared Illuminator is a lightweight, self-contained, battery powered infrared (IR) aiming light/target illuminator designed to be used with the newer night vision devices such as PVS-14's and PVS-7's. This is also includes the **AN/PEQ-2A TARGET POINTER ILLUMINATOR AIMING LIGHT, the IR LASER POINTER, the ILLUMINATOR, LASER, MEDIUM POWER (AN/PEQ-4), and the IR NIGHT VISION.**

CLOSE QUARTER BATTLE SIGHT (CQBS) - This system can be used as either a handheld or weapon-mounted system and incorporates state of the art detector and display technology. It provides both the lowest weight and the highest thermal sight available today.

AN/PVS-17 - Combat proven, this is the system that greatly increases combat warfighting capability of Marine operating forces and replaces archaic **PVS-4** night vision scopes. The AN/PVS-17 is a lightweight compact high performance device that will use the OMNI IV MX 0160 image intensifier tube. The PVS-17C incorporates a 4.5X magnification. This is also referred to as the **SIGHT, NIGHT VISION, MINI 4.5X**.

AN/PVS-7D - The AN/PVS-7B/D is a lightweight monocular night vision goggle that uses prisms to give Marines binocular vision at night. Its GEN III I2 tube produces a clearer and sharper image than the second generation (GEN II) tube found in AN/PVS-5s.

LASER BORESIGHT - The LBS is used to boresight (align) the Thermal Weapon Sight, the Medium Power Laser Illuminator and other Night Vision devices to the various weapons systems to which they are attached.

Exhibit P-40, Budget Item Justificat		Date: February 2006
Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:	
Procurement, Marine Corps (1109) / Communications and Electronics Equipment (4)		NIGHT VISION EQUIPMENT

SIMRAD SNIPER SCOPE - The SIMRAD KN203FAB will allow the user to engage and/or identify targets during periods of low-light or nighttime operations when used with the Sniper Day Sight. The SIMRAD is equipped with a mounting system that allows it to be attached to a Sniper Day Scope and a field adjustable boresight that enables the system to be boresighted to any weapon system on which it is mounted.

ILLUMINATOR - The Illuminator is a compact, lightweight, combat flashlight that projects a wide-angle beam with a concentrated central beam of white light for searching, acquisition, identification, and momentary dazzling of targets in any low-light environment. This is also called the **TACLIGHT**.

INDIVIDUAL THERMAL SIGHT - The IWNS capability is a stand-alone thermal weapon sight for close quarter battle operations that has the ability to detect and engage targets at a range of 50 to 100 yards. It is a clip on thermal device used in combination with day sights or can be a hand-held pocket scope and is waterproof up to 66 feet.

AN/PVS-14 MONOCULAR NIGHT VISION - The AN/PVS-14 is a lightweight, monocular night vision device that uses generation III I2 technology. It is smaller and lighter than the AN/PVS-7B/D and provides greater latitude. It can be used as a hand-held pocket scope, mounted to a head or helmet mount, or to a weapon.

AN/PSQ 18, M203 DAY/NIGHT SCOPE - The AN/PSQ 18 is an enhanced aiming device designed to enable the Marine to rapidly and precisely fire the M203 in daylight, low-light, and night conditions.

FY 05 Supplemental Funding of \$575.7M was received.

FY 06 Title IX funding of \$72.0M was received.

								Date:			
	40a, Budget It	em Justifica	tion for Ag	gregated It	ems	L			Febru	ary 2006	
Appropriation / Budget Activity			. (0)			P-1 Item Nomencl	ature:	NICHTAN	SION EQUIPMENT		
Procurement, Marine Corps (110				F)/ 0000	E)/ 000=			NIGHT VI	SION EQUIPMENT		T / 15
Procurement Items	Code	Prior Years	FY 2005	FY 2006	FY 2007					To Complete	Total Prog
Laser Boresight Sys	A	0.0	1.4	0.0	0.0					0.0	1.4
Laser Doresignt Sys		0.0	1.4	0.0	0.0					0.0	1.4
PEI Reprocurement	А	0.0	0.0	1.0	1.0					Cont	Cont
,											
Illuminator TacLight	А	0.0	0.0	3.6	0.0					Cont	Cont
Family of Individual Optics	A	0.0	0.0	0.0	0.0					Cont	Cont
AN/PSQ-18A, M203 Day/Night Sight	A	0.0	0.0	2.8	0.0					0.0	2.8
		+									
		1									
		<u> </u>									
		1									
Т	otals	0.0	1.4	7.3	1.0						

Exhibit P-5, Cost Analysis		Procurem	Budget Activity/S ent, Marine Corp	os (1109) /		Nomenclature: t Vision Equipn		Weapon Syste	em Type:	Date: Februa	rv 2006
			ons and Electron		9						7 2000
Weapon System	ID	PYs		FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost \$000	TotalCost \$000	Qty Each	UnitCost \$	TotalCost \$000	Qty Each	UnitCost \$	TotalCost \$000	Qty Each	UnitCost \$
Night Vision Mod Line		\$ 000	4000	Lacii	Ψ	ΨΟΟΟ	Lacii	Ψ	4000	Lacii	Ψ
Night Vision Modifications						7354	VAR	VAR	6914	VAR	VAR
Night Vision Thermal System Modifications			1490	VAR	VAR				•		
PEI Replacements			1307	VAR	VAR						
PVS 14 Battery Compartment			1322	VAR	VAR						
Eng/Log Support			1036	VAR	VAR						
Simrads Dovetails			329	VAR	VAR						
Simrads Rings			42	VAR	VAR						
Simrad Light Shield			83	VAR	VAR						
Variable Power Scopes			779	VAR	VAR						
Acog Screw Sets and Rubber Caps			13	VAR	VAR						
Mandrels			25	VAR	VAR						
Rifle Barrels			5	VAR	VAR						
Travel for External Support			204	VAR	VAR						
PEQ 4			800	VAR	VAR						
Test Plans for RCO			80	VAR	VAR						
PVS 7D Helmet Mounts				VAR	VAR VAR						
			1847								
AN/PAS 13s			34	VAR	VAR						
Laser Illuminator			16	VAR	VAR						
Sniper Systems											
Scout Sniper Cap Set			16466	715	23029	3800	165	23029			
Eng/Log Support			5284	VAR		47					
Scout Sniper Day Scopes			700	501	1397						
AN/PVS 14 Monocular Vision											
AN/PVS -14			191953	64392	2981	12500	4193	2981			
Eng/Log Support			130	0 1002	2001	22	1100	2001			
			100								
Infrared Illuminator											
PEQ 4S			96431	131020	736						
Eng/Log Support			1654			14					
Training Enhancement System (ISMT-E)			12226	14589	838						
Title IX Illum, Laser, Md Power (AN/PEQ-4)						4488	1020	4400			
AN/PVS 17											
PVS 17			3002	667	4500	9081	2018	4500			
PVS 17 PVS 17 Eng/Log Support			2701	307	- 300	16	2010	4300			
1 VO 17 Eng/Log Support			2/01			10					
Individual Thermal Sight											
Individual Weapon Sights			10000	1000	10000						
TOTAL		7486	349959			37322			6914		
Active		7486				37322			6914		
Reserve		, .00	570			0			0314		

Exhibit P-5,		Appropriation/	Budget Activity	/Serial No:	P-1 Line Item	Nomenclature	:	Weapon Syst	em Type:	Date:	
Cost Analysis			ent, Marine Co	orps (1109) / onics Equipment	Nigh	t Vision Equip	ment			Februa	ary 2006
Weapon System	ID	PYs		FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Rifle Combat Optics											
RCOs			75649	94561	800			800			800
Eng/Log Support			1221			4351			12		
Thermal Weapon Sight											
Medium Thermal Weapon Sights			34396	3568	9640	8965	930	9640			
Universal Weapons Racks			5110	5500				3040			
Conv for Thermals			653	0000	020						
Eng/Log Support			577			11					
3 - 3 - 4 1 - 4											
Close Quarter Battle Sight			967	54	17903			17903			
Eng/Log Support			29			13					
LONG RANGE THERMAL BINOCULAR			33600	672	50000	1800	36	50000			
TACTICAL RANGE THERMAL BINOCULAR			48012	4001	12000		30	30000			
Eng/Log Support			38	4001	12000						
Ling/Log Support			36								
AN/GVS-5-Laser Infrared Observation Set Repl			5300	VAR	VAR						
AN/PVS 7Ds											
PVS 7-Ds			41988	11735	3578						
Eng/Log Support			1471		55.5						
Optic Shelter Set			5147	21	245095						
TOTAL		7486				58327			5722		
Active		7486				58327			5722		
Reserve			570			0			0		

Ful	hibit B 52 Budget Breeurement Hist	one one	Blanning					Date:	Taha: 1	2006
Appropriation / Budget Activity/Serial No:	hibit P-5a, Budget Procurement Hist				D 1 Line Item	Nomenclature			February 2	2006
Procurement, Marine Corps (1109) / Commur	nications and Electronics Equipment (4)	Weapon Syst	em Type:		P-1 Line item	Nomenciature	Night Vision Equip	ment		
VBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs	Date	RFP I
Fiscal Years		Method and Type			Delivery	Each	\$	Avail?	Revsn Avail	Da
Sniper Systems							*			
FY05 Scout Sniper Cap Set	Premier Reticles, Winchester, VA	FP	Quantico, VA	Mar-06	Dec-06	542	23029	YES	N/A	Mar
FY05 Scout Sniper Cap Scopes	Premier Reticles, Winchester, VA	FP	Quantico, VA	Mar-06	Dec-06	501	1397	YES	N/A	N.
FY06 Scout Sniper Cap Set	Premier Reticles, Winchester, VA	FP	Quantico, VA	Mar-06	Mar-07	165	23029	YES	N/A	Ma
AN/PVS 14 Monocular Vision										
FY05 AN/PVS -14	ITT, Roanoke, VA	FP	Ft Belvoir, VA	Sep-05	Jun-06	64392	2981	YES	N/A	N.
FY06 AN/PVS -14	ITT, Roanoke, VA	FP	Ft Belvoir, VA	Маr-06	Mar-08	4193	2981	YES	N/A	N
10071141110	Tri, rodinolo, vit	''	T C BOIVOII, V/C	Widi 00	Widi 00	4100	2001	120	14//	
Infrared Illuminator										
FY05 PEQ-4S	Insight Technologies, Londonderry, NH	FP	Ft Belvoir, VA	Dec-04	Feb-05	131020	736	YES	N/A	N
FY05 Training Enhancement	Insight Technologies, Londonderry, NH	FP	Aberdeen PG, MD	Sep-05	Dec-06	14589	838	YES	N/A	Jul
FY06 Illum, Laser, Md Power (AN/PEQ-4)	Insight Technologies, Londonderry, NH	FP	Ft Belvoir, VA	Mar-06	Feb-07	1020	4400	YES	N/A	Nov
AN/PVS 17										
FY05	Northrop Grumman, Dallas, TX	FP	Quantico, VA	Sep-05	Jun-06	667	4500	YES	N/A	N
FY06	Northrop Grumman, Dallas, TX	FP	Quantico, VA	Mar-06	Mar-07	2018	4500	YES	N/A	N
Individual Thermal Sight										
Individual Weapon Sights	TBD	FP	Quantico, VA	Mar-06	Dec-06	1000	10000	YES	N/A	Dec
AN/PVS-7D (GWOT)										
FY05	ITT, Roanoke, VA	FP	Ft Belvoir, VA	Sep-05	Oct-06	11735	3578	YES	N/A	N
Optics Shelter Set	Northrop Grumman, Dallas, TX	FP	Crane, IN	Mar-06	Mar-07	21	245095	YES	N/A	Fel
Rifle Combat Optic										
- FY05	Trijicon, Wixom, MI	FP	Quantico, VA	Aug-05	Oct-05	94561	800	YES	N/A	N
FY06	Trijicon, Wixom, MI	FP	Quantico, VA	Mar-06	Jun-06	47125	800	YES	N/A	N
FY07	Trijicon, Wixom, MI	FP	Quantico, VA	Nov-06	Jun-07	7138	800	YES	N/A	N
Гhermal Weapon Sight										
FY05 Med Thermal Weapons Sight	DRS Optronics, Palm Bay, FL	FP	Ft. Belvoir, VA	Sep-05	Jul-06	3568	9640	YES	N/A	N
FY05 Universal Weapons Racks	Spacesaver Corp, Ft Atkinson, WI	FP	Quantico, VA	Sep-05	Feb-06	5500	929	YES	N/A	N
Y06 Medium Thermal Weapons Sight	DRS Optronics, Palm Bay, FL	FP	Ft. Belvoir, VA	Mar-06	Apr-09	930	9640	YES	N/A	N
Class Quarter Battlesiaht										
Close Quarter Battlesight	lasiaht Tashaslasias I asdandara NIII	FD	North Obordonto OO	D 04	11.05	5.4	47000	VE0	NI/A	N.
FY05	Insight Technologies, Londonderry, NH	FP	North Charleston, SC	Dec-04	Jul-05	54	17903		N/A	N
FY06	Insight Technologies, Londonderry, NH	FP	North Charleston, SC	Mar-06	Mar-07	306	17903	YES	N/A	N
Thermal Binocular										
Y05 - Long Range Thermal Binocular	Kollsman Inc, Merrimack, NH	FP	Quantico, VA	Dec-05	Nov-06	672	50000	YES	N/A	N
Y05 - Tactical Range Thermal Binocular	DRS Optronics, Palm Bay, FL	FP	Quantico, VA	Sep-05	Nov-06	4001	12000	YES	N/A	N
FY06 - Long Range Thermal Binocular	Kollsman Inc, Merrimack, NH	FP	Quantico, VA	Mar-06	Mar-07	36	50000	YES	N/A	N

Appropriation Code/CC/BA/BSA/Ite	em Control No						Weano	n Syste	m				$\overline{}$	P-1 Iten	n Nome	nclature	:								1 0010	ary 200	,,,				
Procurement, Marine Corps (1109)							weapo	ii Syste						r-i itei	II NOME	liciature	•				Nigh	nt Visio	n Equ	ipmen	t						
								PR	ODUCT	TION R	ATE								NT LEA												
ITEM	Manufacturer's NAM	E / LOC	ATION				M	SR	EC	ON	M.	AX	ALT P	Prior to	Oct 1	ALT	After (Oct 1	Initia	l PLT	Mfg	Reord	er M	fg PLT		TC	TAL		Unit o	f M	easure
SNIPER SYSTEMS	PREMIER RETIC		INCHES	STER, VA				000		500	20						16			8							24		EACH		
AN/PVS-14 Monocular Vision Infrared Illuminator	ITT/ROANOKE, V		FC/I ON	IDONDEDE	DV NIII			50		000	34 70						10			1			8				18 2		EACH EACH		
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ITEM		Y	V C	Υ	L	A L	Т	V	С	A N	E B	A R	R	Υ	N	L	G	Р	C T	V	С	A N	В	R	R	A Y	N	L	G	Р	
Scout Sniper Cap Set		FY05	МС	542		542																		Α							542
Scout Sniper Day Scopes		FY05	МС	501		501																		Α							501
Scout Sniper Cap Set		FY06	МС	165		165																		Α							165
Monocular Night Vision Devi	ce	FY05	МС	64392		64392												Α									3400	3400	3400	3400	5079
Monocular Night Vision Devi	ce	FY06	МС	4193		4193																		Α							4193
Infrared Illuminator - PEQ 4s		FY05	МС	131020		131020			Α		4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	5102
Infrared Illuminator - Trainin	g Enhancemt	FY05	МС	14589		14589												Α													1458
Infrared Illuminator - PEQ 4s		FY06	МС	1020		1020																		Α							1020
																															1
																															1
											Fisc	al Year	07											Fiscal	Year 08		1				B A
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ITEM		Υ	V C	Ϋ́Υ	E L	A L	T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	O V	E C	A N	E B	A R	R	A Y	N	U L	U G	E P	
Scout Sniper Cap Set		FY05	МС	542		542			45	45	45	45	45	45	45	45	45	45	45	47											
Scout Sniper Day Scopes		FY05	МС	501		501			41	41	41	41	41	41	41	41	41	41	41	50											
Scout Sniper Cap Set		FY06		185		165						15	15	15	15	15	15	15	15	15	10	10	10					Ī			
Monocular Night Vision Devi		FY05		64392	13600	50792	3400	3400	3400	3400	3400	3400	3400	3400	3400	3400	3400	3400	3400	3400	3192							Ī			
Monocular Night Vision Devi		FY06	МС	4193		4193																349	349	349	349	349	349	349	349	349	1052
Infrared Illuminator - PEQ 4S	t t	FY05		131020	80000	51020	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	3020						1			1			1
Infrared Illuminator - Training		FY05		14589		14589			1216	1216	1216	1216	1216	1216	1216	1216	1216	1216	1216	1213											
Infrared Illuminator = PEQ 4		FY06		1020		1020					85	85	85	85	85	85	85	85	85	85	85	85									
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Procurement, Marine Corps (1109)							weapo	ni Systi	em					P-1 ite	m Nom	enciatu	re:				N	ight Vi	ision E	quipm	nent						
								PRC	DUCT	ION F	RATE					PF	ROCU	REME	NT LE	ADTIN	ΛES										
ITEM	Manufacturer's NAME	/ LOCA	ATION				M	SR	EC	ON	M	AX	ALT	Prior t 1	o Oct	ALT /	After	Oct 1	Initia	I PLT	Mfg	Red	order PLT	Mfg		TC	TAL		Unit o	of M	easure
AN/PVS 17	NORTHROP GRUI	MMAN,	DALLA	AS, TX			10	00	15	00	20	000					10			8							18		EACH		
INDIVIDUAL THERMAL SIGHT	TBD							00	15	00	20	000					16			8							24		EACH		
AN/PVS 7D	ITT/ROANOKE, VA							00	15			000					10						12				22		EACH		
Rifle Combat Optic	TRIJICON/WIXOM	, MI					30	00	40	00	80	000	-				9						1				10		EACH		
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ITEM				007	-														-												
AN/PVS 17		Y05	МС	667		667												Α									55	55	55	55	447
AN/PVS 17		Y06	MC	2018		2018																		Α						—	2018
INDIVIDUAL THERMAL SIGHT	F	Y05	МС	1000		1000																		Α						<u> </u>	1000
AN/PVS 7D	F	Y05	MC	11735		11735												Α												<u> </u>	11735
AN/PVS 7D - Optics Shelter	F	Y05	МС	21		21																		Α						<u> </u>	21
Rifle Combat Optic	F	Y05	МС	94561		94561											Α		4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	46561
Rifle Combat Optic	F	Y06	МС	47125		47125																		Α			3927	3927	3927	3927	31417
Rifle Combat Optic	F	Y07	МС	7138		7138																								<u> </u>	7138
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ITEM															IN .	_	G	-		v	C	- 14	ь	K	, ,	<u>'</u>	IN		9	<u> </u>	<u> </u>
AN/PVS 17		Y05	MC	667	220	447	55	55	55	55	55	55	55	62	100	160	100	100	100	100	100	100	170							 	-
AN/PVS 17			MC	2018		2018			0.4	0.4	0.4	168	168	168	168	168	168	168	168	168	168	168	170							 	-
INDIVIDUAL THERMAL SIGHT	1		MC	1000		1000	070	070	84	84	84	84	84	84	84	84	84	84	84	76										 	-
AN/PVS 7D			MC	11735		11735	978	978	978	978	978	978	978	978	978	978	978	977												 	<u> </u>
AN/PVS 7D - Optics Shelter			MC	21	40000	21	4000	4000	4000	400	4000	21	4000	4000	4000	4000	4000	4000	0404											 	-
Rifle Combat Optic		Y05	MC	94561	48000 15708	46561	4000	4000	4000	400	4000	4000	4000	4000	4000	4000	4000	4000	2161											 	
Rifle Combat Optic		Y06	MC	47125	15708	31417	3927	3927	3927	3927	3927	3927	3927	3928																 	
Rifle Combat Optic	F	Y07	MC	7138		7138		Α							595	595	595	595	595	595	595	595	595	595	595	593				<u> </u>	<u> </u>
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Control No.						Weapo	on Syste	em					P-1 Ite	m Nom	enclatu	re:				Night	Visior	n Equi	ipmer		•					
							PRC	DUCT	ION R	ATE					PR	OCUR	EMEN	NT LEA												
Manufacturer's NAM	IE / LOCA	ATION				М	SR	EC	ON	M	AX	ALT I	Prior to	o Oct	ALT .	After (Oct 1	Initia	PLT	Mfg	Reo	rder PLT	Mfg		TO	TAL				
DRS OPTRONICS	S/ PALM	BAY, F	-L			2	00	80	00	10	150					10						9			1	19		EACH		
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	FY05	МС	3568		3568												Α										130	130	130	3178
eapon Rack	FY05	МС	5500		5500												Α					5500								
1	FY06	МС	930		930																		Α							930
1	FY05	МС	54		54			Α							54															
ľ		МС	306		306																		Α							306
ľ	FY05	МС	672		672															Α										672
1	FY05	МС	4001		4001												Α													4001
	FY06	МС	36		36																		Α							36
										Fisca	l Year	07											Fiscal	Year 08	3					B A
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	Y	V C	T Y	E L	A L	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	
+	EVOE	MC	3569	390	3178	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	188	一
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					306						25	25	25	25	25	25	25	25	25	25	25	31								┢─
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- 1							333	333	333	333		333	333	333	333	333	333	338						-						\vdash
!	FY06	MC	36		36	-					36													-						₩
																														<u> </u>
	DRS OPTRONICS INSIGHT TECHNICS KOLLSMAN INC/I DRS OPTRONICS //eapon Rack	Manufacturer's NAME / LOC/ DRS OPTRONICS/ PALM INSIGHT TECHNOLOGIE KOLLSMAN INC/MERRIM DRS OPTRONICS/ PALM FY05 FY06 FY07 FY06 FY07 FY07 FY08 FY09 FY	Manufacturer's NAME / LOCATION	PRC MSR	PRODUCT Manufacturer's NAME / LOCATION MSR EC	PRODUCTION R MSR	PRODUCTION RATE PROCUR P	PRODUCTION RATE PROCUREMEN Max ALT Prior to Oct ALT After Oct 1	PRODUCTION RATE	PRODUCTION RATE	Name	Night Vision Nigh	Night Vision Equipment Night Vision Equipment Night Vision Equipment Night Vision Equipment Night Vision Equipment Night Vision Equipment Night Vision Equipment Night N	Night Vision Equipmer Nigh	Production No.	PRODUCTION NATE PROCUREMENT LEADTINES PROCUREMEN	PRODUCTION PRODUCTION RATE PROCUREMENT LEADTIMES PROJUCTION PRODUCTION RATE PROCUREMENT LEADTIMES PROJUCTION PLT P	Production Name	Vergon System Vergon System P-1 item Nomerclature: Night Vision Equipment Night Vision	PRODUCTION RATE PRODUCTION RATE PROCUREMENT LEADTINES PROCUREMENT LEAD										

		it P-40, Budget	ltem Justific	cation Sheet			Date:		February 2006	3	
Appropriation / Budget Activity/	/Serial No:				P-1 Item Nomencla	ture:					
Procurement, Marine Corps (11	109) / Communications and Electron	nics Equipment (4)					COMMO	N COMPUTER RES	OURCES		
Program Elements:			Code:	Other Related Prog	ram Elements:						
0206313M Marine 0	Corps Communication Equipment		А								
	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty											
Gross Cost	292.1		80.1	58.0	67.2	81.4	99.7	85.7	69.1	Cont	Cont
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	292.1		80.1	58.0	67.2	81.4	99.7	85.7	69.1	Cont	Cont
Initial Spares											
Total Proc Cost	292.1		80.1	58.0	67.2	81.4	99.7	85.7	69.1	Cont	Cont
Flyaway U/C											
Wpn Sys Proc U/C											

Marine Corps Enterprise Information Technology Services (MCEITS) will provide an overarching portfolio of capabilities to deliver "Power to the Edge" for the Marine Corps. As a portfolio of capabilities, it encompasses the Operational, Technical and Systems architectures required to transform Command and Control (C2) both in garrison and in the deployed environment.

Marine Corps Common Hardware Client Workstations and File/Application Servers (MCHS)- Programs implement approved recommendations of the Unified Marine Air Ground Task Force (MAGTF) C4I Integrated Product Team (IPT) and support the Marine Corps Master Plan which calls for "A robust command and control/information infrastructure, extending the defense information infrastructure to meet Marine Corps deployed information requirements ... Develop a computing infrastructure capable of supporting both joint and service level national security systems and automated information systems".

Marine Corps Common Hardware Tactical File/Application Servers and Tactical Client Workstations (MCHS)- programs provide a refreshed and modernized Information Technology Infrastructure with a multi-level capability for applications. The multi-level approach includes a minimum of three basic technology ranges of varying capability from high (Enterprise, Technical, or Multimedia), medium (Departmental) and low-end (General Purpose or Entry Level) platforms that provide file and applications support for UNIX (RISC, Reduced Instruction Set Computer) and Intel (CISC, Complex Instruction Set Computer) based applications. Within each of the basic ranges there are specific capabilities such as the physical configuration (i.e. laptop), the level of ruggedization, the amount of Random Access Memory (RAM), the number and size of the hard drives, specific multimedia support, etc. that further configure a machine to meet a specific requirement. Tactical primarily consist of ruggizedized laptops and the non-tactical primarily consists of Commercial off the shelf (COTS) desktops and laptops.

Marine Corps Network Operations Security Center (MCNOSC) (formerly MITNOC) operates and defends the Marine Corps Enterprise Network (MCEN) and provides secure network communications for Marine forces worldwide. The MCNOSC provides network operational support to Marine organizations, Navy Marine Corps Intranet (NMCI) and to deployed and tactical forces; defends all deployed Marine tactical and garrison networks; supports Marine Corps mainframe applications, which are critical to warfighting and enterprise operations; provides technical support for the DOD mandated solution for record message traffic; supports the solution for encrypting network communications and authoritatively identifying people and computer resources. This line supports the MCNOSC and includes: (1) an alternate capability for the MCNOSC so that it is no longer a single point of failure; (2) an automated capability to reduce the response time and speed the accuracy of reporting enterprise-wide network defensive actions; (3) supporting and defending Marine networks outside of NMCI; (4) sustaining the DOD-mandated Defense Message System (DMS) capability; and (5) ensuring that the MCEN operating system for Marine Forces, not covered by NMCI, is consistent with that used by NMCI.

BLI 463000 received \$12M in Title IX funds for program Marine Corps Common Hardware Workstations and Servers.

FY05 Supplemental Funding Received: \$44.2M.

								Date:				
Exhibit P-40a, Buc	lget Ite	m Justificat	tion for A	ggregated	d Items					February 20	06	
appropriation / Budget Activity						P-1 Item Nomen	clature:					
Procurement, Marine Co	orps (1109) /	Communications ar	nd Electronic Equ	uipment (4)				СОММО	N COMPUTER R	ESOURCES		
Procurement Items	Code	Prior Years		FY 2005	FY 2006	FY 2007	FY2008	FY2009	FY2010	FY2011	To Complete	Total Pro
MCEITS	Α	0.0		0.0	0.955	1.034	9.307	4.953	2.464	1.705	Cont	Cont
_APTOPS	Α	0.0		0.267	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Totals		0.0		0.267	0.955	1.034	9.307	4.953	2.464	1.705	0.0	0.3

Exhibit P-5, Cost Analysis			n/ Budget arine Corps (1109) / and Electronics E	,		menclature: COMPUTER RESC		Weapon System	Туре:	Date: Febro	uary 2006
Weapon System	ID	PYs		FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Tactical and Non-Tactical MCHS Workstations			21255	VAR	VAR	29299	VAR	VAR	34005	VAR	VAR
Tactical and Non-Tactical MCHS Servers			36672	VAR	VAR	22243	VAR	VAR	24318	VAR	VAR
TOTAL Active Reserve		73502 73502	57927 57927			51542 51542			58323 58323		

Exhibit P-5, Cost Analysis			on/ Budget arine Corps (1109) / and Electronics E			nenclature: COMPUTER RESC	DURCES	Weapon System	Type:	Date: Febr	uary 2006
Weapon System	ID	PYs	and Electronics E	FY 05			FY 06			FY 07	•
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
MCHS REFRESH SERVERS/STATIONS		\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
CIHEP Semi-Rugged Laptops			110	VAR	VAR						
TCO Laptops			206	VAR	VAR						
AFATDS Rugged Unix Notebook			8125	VAR	VAR						
DACT Rugged Handheld Computer			101	VAR	VAR						
IAS Laptops & Servers			3404	VAR	VAR						
TPCS Rugged Laptops			337	VAR	VAR						
MCHS Ruggedized Laptops			2006	VAR	VAR						
I MEF Ruggedized Laptops			1888	VAR	VAR						
II MEF Workstations and Servers			431	VAR	VAR						
III MEF Servers			49	VAR	VAR						
TOTAL Active Reserve			16657 16657								

Exhibit P-5, Cost Analysis		Procurement,	ion/ Budget Marine Corps (1109 ons and Electronics		P-1 Line Item Nor COMMON C	nenclature: COMPUTER RESC	OURCES	Weapon System	Туре:	Date: Febr	uary 2006
Weapon System	ID	PYs		FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
Cot Elemente		\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
MCNOSC Alt NOC									3614	VAR	VAR
MARINE FORCES-INTEGRATED NETWORK OPERATION (INO) (COMPUTER NETWORK DEFENSE)									157	VAR	VAR
INFORMATION ASSURANCE & VERIFICATION ALERT (IAVA) Tracking Software									121	VAR	VAR
MCHS + NETWORK INFRASRUCTURE			5202	VAR	VAR	3255	VAR	VAR	3981	VAR	VAR
DEFENSE MESSAGE SYSTEM CONTROL OPERATING CENTER (DMS COC)						165	VAR	VAR			
W2K ACTIVE DIRECTORY (MARINE CORPS ENTERPRISE NETWORK OPERATING SYSTEM)						2091	VAR	VAR			
TOTAL Active Reserve		2424 2424	5202 5202			5511 5511			7873 7873		

	Exhibit	P-40, Budget Item Justifi	cation Sheet			Date:		February 2006	3	
Appropriation / Budget Activity/Se Procurement, Marine Corps (110)				P-1 Item Nomenclature	e:	CON	MMAND POST SYSTE	MS		
Program Elements: 0206313M Marine	e Corps Communication Equipment	Code:	Other Related Program	n Elements:						
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty										
Gross Cost	169.5	15.2	104.3	19.7	14.2	15.0	16.3	15.6	Cont	Cont
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	169.5	15.2	104.3	19.7	14.2	15.0	16.3	15.6	Cont	Cont
Initial Spares		0.9	0.6	0.9	1.2	0.4	0.2	0.0		
Total Proc Cost	169.5	16.1	105.0	20.6	15.3	15.4	16.5	15.6	Cont	Cont
Flyaway U/C										
Wpn Sys Proc U/C										

Global Command and Control System (GCCS)- Consists of Command and Control (C2) subsystems which enable Combatant Commanders, the Joint Staff and other Tactical Commanders at appropriate levels to direct and control the operation of U.S. Military Forces.

Tactical Combat Operations (TCO)- Supports tactical operations by providing the Marine Air Ground Task Force (MAGTF) command and staff high speed computer systems in a timely manner.

Advanced Field Artillery Tactical Data System (AFATDS) - Consists of fire support C2 software fielded on Marine Corps common hardware. AFATDS will provide the MAGTF with an automated ability to rapidly integrate all supporting arm assets into maneuver plans. Provides digital fire support to C2 automation systems.

Target Location Designation and Hand-Off System (TLDHS) - Provides fire support observers/controllers (OCs) with the ability to: observe their area of interest, locate ground targets quickly and accurately, and digitally request and coordinate target engagements by Field Artillery (FA), Close Air Support (CAS), and Naval Surface Fire Support (NSFS). TLDHS will also provide the capability to designate targets for laser-guided munitions and laser spot trackers. TLDHS is comprised of and integrates two major subsystems: the Targeting Subsystem and the Target Hand-Off Subsystem (THS). USMC MS III was 2Q03.

Funding used to

Data Automated Communications Terminal (DACT) The Data Automated Communications Terminal (DACT) is the Marine Corps' Blue Force Tracking Program of Record. It is the primary source of all tactical ground tracks below the Marine battalion, and is the primary provider of Position Location Information (PLI) into the Combat Operations Center (COC) and to Joint forces viewing the Common Operational Picture (COP). DACT is one tool in the Joint Combat ID toolbox that the Marine Commander uses to reduce the potential for fratricide.

The Mounted DACT (M-DACT) (IOC 2nd Qtr FY03) consists of the Ruggedized Handheld Computer (RHC) with Command and Control Personal Computer (C2PC) software integrated with various tactical vehicle platforms and communications systems through the use of a Vehicle Modification (VM) Kit. It is mounted in vehicles from the battalion to the mechanized platoon (HMMWV, AAV, LAV, and Tanks).

The Dismounted DACT (D-DACT) (IOC 2nd Qtr FY05) is a smaller, lighter handheld device having greater battery life, consisting of the Rugged Personal Digital Assistant (R-PDA) with Windows Command and Control CE (C2CE) software. The Dismounted DACT is intended for the dismounted user at the platoon level. Future DACT improved capabilities for replacement systems will meet stipulated Operational Requirements and OIF-derived Requirements to provide Blue Force Tracking and automated communications support for commanders in tactical operations. New capabilities will include Non Line of Sight (NLOS) and enhanced communication paths; improved Graphic User Interface (GUI) software, a larger screen, and Selective Availability Anti-Spoofing Module (SAASM) GPS integration.

Deployable Info Mgmnt C2 Cap- (Tactical Collaborative Work Suite (TCWS)) -Deployable hosting platform for COTS and GOTS applications. Its physical components comprise servers, SAN arrays, and ancillary IT equipment in highly available configurations with field "deployable units" housed within hardened man-portable cases. This infrastructure will support robust operating systems, using Microsoft SharePoint Portal Services offering sets of capabilities to simplify and standardize information management and exchange, via the World Wide Web, Email, and specific collaborative tools.

Blue Force Tracker (BFT) The BFT System is a satellite-based Tracking and Communication System. BFT provides the capability to identify position, track progress, and communicate with the operators of tactical wheeled vehicles. it is intended to provide real-time, in-transit visibility of vehicles and cargo within a theater of operation. The BFT is employed to the battalion level to provide operational commanders with USMC/Army Position Location Information within the area of operations.

EMI Fluorescent Stringable Tent Lights are a two light system for illumination is to be used in all Marine Corps tentage. The light sets are built to withstand the demands of heavy field use and they exceed military specifications, among which are noise and light disciplines. The lights illuminate instantly with electricity and offer high impact resistance, compact design, connectivity and increased dependability.

HEV 360 Camera Sys - Enables the Improvised Explosive Device (IED) Team vehicle crew to quickly locate and identify IED hazards with a 360 degree "eyes on" camera system mounted on a Heavy Engineering Vehicle. Provides high quality color daylight imagery, night vision imagery, and thermal imagery. Significantly improves situational awareness vital for detecting IEDs.

Vector 21B - Azimuth and Eye-safe Rangefinding Observation Set (AEROS) will provide the primary means for front line Marine forces at the platoon, company and battalion level to obtain accurate target location. It is small, light weight, portable, night capable, optical system containing an integral eye-safe laser rangefinder and azimuth and inclination sensors. AEROS will be capable of interfacing with the Precision-Lightweight Global Positioning Receiver (PLGR) and capable of exporting targeting data to the Target Location, Designation, and Hands-off System (TLDHS) Target Hand-Off System (THS).

*BLI 463100 recevied \$1M in Congressional Adds for Mobile Optical Sensor Suite (MOSS) is a system of widely spaced mobile cameras, with each long range video camera mounted on a small trailer with a generator wirelessly interconnected with the other cameras. The MOSS receives radar tracks of an aircraft of interest and provides Visual Identification of the aircraft to a command post as a decision aid for engaging and shooting down that aircraft. The system has other features like looking for small UAVs {like Dragon Eye} which might not be seen by the radar.

Note: FY05 Supplemental Funding Received: \$3.3M. FY 06 Title IX funding received: \$85.0M

Exhibit P-40a	, Budge	et Itei	m Justifica	tion for Ag	gregated I	tems	Date: February 2006
Appropriation / Budget Activity						P-1 Item Nomenclature	ire:
Procurement, Marine Corps (1109) / Commu	nications an	d Electro	nic Equipment (4)				COMMAND POST SYSTEMS
Procurement Items	Code	UOM	Prior Years	FY 2005	FY 2006	FY 2007	To Complete Total Prog
AFATDS	Α	D	1.9	0.3	4.0	4.6	Cont Cont
		Q					
GCCS	Α	D	7.9	3.6	4.0	4.4	Cont Cont
		Q					
тсо	Α	D	16.8	3.8	0.8	1.4	Cont Cont
		Q					
TLDHS	А	D	0.0	0.0	1.6	1.5	Cont Cont
		Q					
Mobile Optical Sensor Suite	А	D	0.0	0.0	1.0	0.0	0.0 1.0
		Q					
EMI Flourescent Stringable Tent Lights	Α	D	0.0	0.0	2.0	0.0	0.0 2.0
		О					
Vector 21B	Α	D	0.0	0.0	4.1	0.0	0.0 4.1
		Q					
То	tals		26.5	7.7	17.4	11.9	0.0 7.1

Exhibit P-5,		Appropriation/ Budge			P-1 Line Item Nome			Weapon System Ty	pe:	Date:	
Cost Analysis			e Corps (1109) / Comm	unications	COMM	AND POST SYSTEM	IS .			Febr	uary 2006
		and Electronics Equi	pment (4)	=>/ ==			5 1/ 00				aary 2000
Weapon System	ID	PYs	1	FY 05			FY 06			FY 07	ī
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
*DACT											
PROGRAM MANAGEMENT		3728				1613			1615		
TRAINING/LOGISITICS SUPPORT		2925	81			1988			2388		
PERIPHERALS		2158				1324			2241		
D-DACT FIELDING SUPPORT		3109	935			1828			1607		
D-DACT CONTRACT SUPPORT		1263	2214			1105					
M-DACT CONTRACT SUPPORT		500	2217			1103					
ORACLE LICENSE		257	1300								
SYSTEM INSTALLATION		3283	1300								
STOTEMINISTALLATION		3203									
BFT SUSTAINMENT]					
Program Management						3000					
Training/Logistics Support			2900			6000					
			2900								
Peripherals						5700					
BFT Fielding						3000					
ICE2 Contract						2200					
360-Degree Camera						43,257	65	665,492			
Transmitter						1,560	65	24,000			
Deployment Blocks						1,483	65	22,815			
System Integration						180					
Installation						648					
Acceptance Testing						601					
Training											
Training						671					
Deployable Info Mgmt C2 Cap											
TACTICAL COLLABORATION WORKSUITES											
(Hardware)						5600		VAR			
(Software)						1400	1400	VAR			
SYSTEMS INTEGRATOR						4000		\/A.D.			
PM Support						1800 200		VAR VAR			
т ім Зарроп						200		VAR			
						 					
						 					
Totals		17223	7430			85158			7851		
		223	. 430			00.00			, 551		
*Hardware will be purchased under]					
the MCHS program.											
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	Exhibit P-5a, Budget F	Procurement His	story and Planning					Date: Fe	ebruary	2006
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109)/Com Equipment (4	munications and Electronics	Weapon System Type:			P-1 Line Item Nomencla		D POST SYS		,	
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?	Date Revsn Avail	RFP Issue Date
FY06 360-Degree Camera/Transmitter	TBD	FFP	MARCORSYSCOM	Apr-06	Jul-06	65	24000	Yes	N/A	Jan-06
REMARKS:										

				TION	N SCI														Date): 				Febru	uary 2	2006				
				and		Wea	apon	Syste	em				P-1 I	tem	Nom	encla	ture:		IMC	MAN	ID P	os	T S`	YST	EM:	S				
. ,						PI	ROD	UCT	ION	RA	ГΕ			PF	ROC	URE	MEI	NT LE	EAD	TIMI	ES									
Manufacturer's	NAME / LC	CATION	N			M	SR	EC	ON	M.	AX														то	TAL				·e
TBD						ΤE	BD	ΤE	3D	TE	3D								3			1								
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					-								Cale	nda	r Yea	ır 05										ear (06			A L A
	F Y	S V C	Q T Y	D E L	B A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	JUL	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	JUN	J U L	A U G	S E P	N C E
	EV0	1 MC	0.5		05																					Year 00	00	00	04	
nera	F 1 00	IVIC	00		65																			А			22	22	21	
		1																												
	ı								_	isca	l Yea	ar 07										Fi	scal	Year	08					B A
													Cale	nda	r Yea	ır 07							C	alen	dar \	ear (80			L A
	F Y	S V C	Q T Y	D E L	B A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	U	J U L	A U G	S E P	N C E
	e/CC/BA/BS/ ne Corps (11 nent (4) Manufacturer's	Manufacturer's NAME / LC TBD F Y TPD F Y TF TF TF TF TF TF TF TF T	Procedure of the Corps (1109) / Communication (4) Manufacturer's NAME / LOCATION TBD F S V C Thera FY06 MC F S V C	PCC/BA/BSA/Item Control No. ne Corps (1109) / Communications nent (4) Manufacturer's NAME / LOCATION TBD F S Q T Y C Y Thera FY06 MC 65	PCC/BA/BSA/Item Control No. The Corps (1109) / Communications and Item (4) Manufacturer's NAME / LOCATION F S Q D T E C Y L There F S Q D D C S C Y L There F S Q D D C S C S C S C S C S C S C S C S C S	PCCC/BA/BSA/Item Control No. The Corps (1109) / Communications and Itent (4) Manufacturer's NAME / LOCATION F S Q D B A C Y L L Therefore FY06 MC 65 65 F S Q D B A A C Y L A L Therefore FY06 MC 65 65	P	PROD PROD	PRODUCT	### CCC/BA/BSA/Item Control No. The Corps (1109) / Communications and Itent (4) PRODUCTION	F S Q D B C O E A E	F S Q D B C N D J F M R R R R R R R R R	PRODUCTION RATE	P-1	P-1 Item P-1	P-1 Item Nome P-1 Item	P-1	P-1 Item Nomenclature:	P-1 Item Nomenclature: P-2 Item Nomenclature: P-3 Item Nomenclature: P-4 Item Nomenclature: P-4 Item Nomenclature: P-5 Item Nomenclature: P-6 Item Nomenclature: P-7 Item Nomencla	P-1 Item Nomenclature: P-1 Item Nomenclature: COMI		P-1	P-1	P-1 Item Nomenclature:	February February	February February	February 2006 February 200	February 2006 February 200	February 2006 February 200	February 2006 February 200

	Exhibit	P-40, Budget Item Justifica	ation Sheet			Date:		February 20	06	
Appropriation / Budget Activity/	Serial No:			P-1 Item Nomenclatu	ire:					
Procurement, Marine Corps (11	109) / Communications and Electronic Equip	ment (4)					RADIO SYSTEM	S		
Program Elements:		Code:	Other Related Progr	am Elements:						
0206313M Marine	Corps Communication Equipment	A								
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty										
Gross Cost	486.2	354.7	221.4	53.5	59.9	107.7	75.2	83.3	Cont	Cont
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	486.2	354.7	221.4	53.5	59.9	107.7	75.2	83.3	Cont	Cont
Initial Spares	17.0	3.3	3.2	3.2	1.9	1.2	1.0	0.9	Cont	Cont
Total Proc Cost	503.2	358.0	224.6	56.7	61.8	108.9	76.2	84.2	Cont	Cont
Flyaway U/C										
Wpn Sys Proc U/C										

This is a roll-up line which contains the following programs:

Phoenix Tactical SHF Satellite Terminal (TSST)/Lightweight Multiband Satellite Terminal (LMST) - is a quad-band Super High Frequency (SHF) satellite terminal mounted on High Mobility Multi-Purpose Wheeled Vehicles (HMMWVs). They will augment the existing Ground Mobile Force (GMF) satellite terminals. This the initial procurement of Phoenix terminals. Additionally, this procurement covers Ka-Band upgrades to the existing LMST terminals, converting the LMST to a quad-band terminal ensuring maximum flexibility and interoperability of fielded SHF terminals.

Global Broadcast Service (GBS) - provides a worldwide, high capacity, one-way transmission of video, imagery, and other information as required to support joint military forces in garrison, in transit, and in theater. The GBS system will broadcast via communication payloads on a constellation of DoD satellites augmented by leased commercial satellite services. Information (data and video) is collected, organized, and fed to the satellite uplink by fixed or transportable injection points. Services provided by GBS include File Transfer Protocol (FTP), NIPR/SIPRNET access, audio and video such as CNN, and imagery dissemination. GBS consists of space, transmit, and receive segments. The Marine Corps is only procuring the GBS Receive Suites (RS) which is comprised of the Receive Broadcast Manager (RBM) and receive antennas. The RBM consists of a microcomputer, monitor, Integrated Receive Decoder (IRD), and KG-175 TACLANE cryptographic equipment. The RS receives information from the transmit segment, decodes it and then distributes the information to users. Marine Corps configurations of the RS include the Enhanced version (both classified and unclassified microcomputers) and the Standard version (classified microcomputer only). In addition, the Marine Corps is purchasing both the fixed station RS and the transportable RS.

Legacy Radios (Communications/Electronics Modifications and Sustainment) - encompass post production Sustainment of fielded tactical communication and networking systems and service life extension programs (SLEP) of aging communications equipment reaching the end of their life cycle. The post production sustainment provides necessary engineering and logistic support to maintain the existing operational capability above threshold operational readiness. The support provides equipment specialists, configuration management, supply support coordination and control, depot maintenance control and warranty administration.

Networks: The following systems require SLEP/supportability upgrades: The Unit Level Circuit Switch (ULCS), which consists of the TTC-42, SB-3865 and SB-3614 require sustainment and modifications to continue the operating forces networking/switching capability until Transition Switch Module (TSM) is fielded. The AN/TSQ-227 Digital Technical Control (DTC) upgrades are driven by DoD mandated interoperability and security requirements, which includes technology insertion and evolutionary equipment improvements.

Wireless: The following systems require SLEP/supportability upgrades: These are the AN/TRC-170 Tropospheric Scatter Microwave Radio Terminal and the AN/PSC-5 "Shadowfire" upgrade. The AN/TRC-170 provides secure digital trunking between major nodes of the TRI-TAC communications network with a range of over 100 miles and will reach its end of service life in FY05. The AN/PSC-5 upgrade allows for the fielded AN/PSC-5 to be supported past FY04.

FY 05 Supplemental Funding Received: \$296.1M FY 06 Title IX Funding Received: \$194.0M

		Date:
Exhibit P-40, Budget Item Justification Sheet		February 2006
Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:	
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4)		RADIO SYSTEMS

Trojan Lite - The Trojan Lite is a dual-band, transit case mounted satellite communications terminal that will augment the Trojan Spirit II. It will be used to support USMC intelligence long haul communications requirements and will provide direct connectivity into the SIPRNET and other intelligence networks.

SMART-T - provides tactical users with secure, jam-resistant data and voice satellite communications via an Extremely High Frequency (EHF) uplink and a Super High Frequency (SHF) downlink capability. It is a HMMWV mounted system providing Marine Air Ground Task Force (MAGTF) commanders with a secure, survivable, long-haul, medium data rate communications link that is not subject to terrain masking and horizon limitations. It is also capable of operation when removed from the HMMWV. Funds were reduced in this line for Urgent Needs Statement (UNS) and Cost of War (COW) efforts.

Command and Control On-the-move Network, Digital Over-the-horizon Relay (CONDOR) - will procure 299 CONDOR Gateway (GW) "basic" equipment suites. This equipment suite will enable and provide on-the-move (OTM), over-the-horizon (OTH) connectivity among Tactical Data Radio networks (such as EPLRS networks). A CONDOR "basic" equipment suite consists primarily of a SATCOM modem, a mobile SATCOM antenna, a router, LAN encryption equipment, and a shock-mounted transit case. No vehicles are being procured. The CONDOR Ground Weapon (GW) equipment suite will be installed on existing vehicles.

Tactical Handheld Radio (PRC-148) - covers the frequency spectrum from 30 – 512 MHz and is capable of Single Channel, SINCGARS frequency hopping, HAVEQUICK hopping, or beacon mode. The PRC-148 allows the Marines to talk to other ground and air units with this light, durable, and simple-to-use radio. The radio is being distributed by the I MEF G-6 to fill communication gaps throughout the operational theater to include rear area defense.

Tactical Computer - provides a refreshed and modernized Information Technology Infrastructure with a multi-level capability for applications. The multi-level approach includes a minimum of three basic technology ranges of varying capability from high (Enterprise, Technical, or Multimedia), medium (Departmental) and low-end (General Purpose or Entry Level) platforms that provide file and applications support for UNIX (RISC, Reduced Instruction Set Computer) and Intel (CISC, Complex Instruction Set Computer) based applications.

Radio Systems - Various types of radios in support of the Force Structure Review Group (FSRG). These radio systems include radios such as Manpack Radios, EPLRS and High Frequency to better meet required operational and support capabilities for the Global War on Terrorism.

Radio/Control Comm Suite - Includes LMST, SMART-T, Quad Band Large aperture antenna, TSSR, LXGHA, Multi-Band Modification, TSC-93B Comm Terminal Upgrade, AN/PRC-150/VRC-104, AN/GRA-39, EPLRS, AN/MRC-145 Replacement, OS-302 Antenna, HOA Commercialization of Comm, and MARFORRES Communications.

Radio Sets - Includes IISR (PRR) and L-SWAN.

		Date:	
Exhibit P-40, Budget Item Justification Sheet		F	ebruary 2006
Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:		
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4)		RADIO SYSTEMS	

Personal Role Radio (PRR) - The PRR is a small short distance spread spectrum radio. The radio is being distributed by the I MEF G-6 to fill communication gaps left by the destruction of radios during OIF I, and the increase of personnel for OIF II.

Tropo Satellite Radio (TSSR) - The TSSR is a wireless cable replacement. The system is being fielded to fill a void in communication conductivity that does not allow for secure fiber optic/telephone cable placement in a non-secure/compatible terrain.

Enhanced Position Location and Reporting System (E-PLRS) - is fielded as the transmission means to carry information from the (DACT) Data Automated Communications Terminal. This communication allows units access to information in a real time manner. Distributed is set by the I MEF G-6 to fill communication gaps left from OIF I.

PRC-117 & ANGLICO Comm Suites (PRC-117) - The PRC-117 is a multi-mode, multi-band radio that operates in the 30 – 512 MHz frequency range and is capable of conducting SINCGARS, HQ II, DAMA SatCom and beacons operations. To match this capability multiple radios must be carried. This single radio reduces rate and battery requirement. The radio is being distributed by the I MEF G-6 to fill communication gaps left by the increase of personnel for OIF II.

PRC-150 - The PRC-150 is an HF radio that incorporates COMSEC into its communication package. This merger reduces weight and battery requirements for the user. It radio uses Automatic Link Establishment (ALE) protocol and advanced modems that are currently need and were not available in pervious HF radios. The radio is being distributed by the I MEF G-6 to fill communication gaps left by the increase of personnel for OIF II.

Antenna Mast Systems - Tactical Elevated Antenna Mast System (TEAMS) is a 34+ meter antenna mast system which allows for the increased elevation of existing Tactical Radio antennas. This provides for extended operating ranges of line of sight (LOS) radio systems.

DAGR - is a handheld, dual-frequency (L1/L2), Selective Availability Anti-Spoofing Module (SAASM) based, Precise Positioning Service (PPS) receiver that is a functional, backwards compatible replacement for the PLGR. DAGR will provide real time position, velocity, navigation and timing (PVNT) data in a stand-alone receiver. The DAGR will be used throughout all theaters of operation. DAGR is interchangeable with existing PLGR physical installations (mounts, cables, connectors and power adapters) and backwards compatible with PLGR.

Multiband Satellite and Radios (MBMMR) -MBMMR radios and OS-302 Antenna. MBMMR - Multiband Multimode radios is a man-portable signal-channel radio that can transmit from HF to UHF frequencies. It uses advanced software-defined radio (SDR) technology to provide battle proven embedded Comsec (Communication Security), SATCOM (Satellite Communications), and ECCM capabilities to the war fighter. The AN/PRC-117F radio is fully NSA (National Security Agency), COMSEC certified and supports all common fill devices. It provides a tactical radio communications in a manpack configuration. OS-302 Antenna installed with an MBMMR provides satellite on the move capabilities.

PRC-119 - The AN/PRC-119F is a manpack VHF SINCGARS radio. The AN/PRC-119F can be configured for Man-pack, vehicular, and base station applications suitable for operation with other VHF SINCGARS radios. The radio is interoperable with legacy encryption systems and is interoperable with the AN/PRC-117F (in VHF mode) and the AN/PRC-148 (in VHF mode).

Logistics Support Wide Area Network (LSWAN) - LSWAN is an integrated Commercial-Off-the-Shelf (COTS) product. LSWAN provides the tactical commander over the horizon communications capability intra-theater. The LSWAN network equipment allows logisticians to access all logistics applications to the NIPR and utilize SIPR for needed BCS3 applications. The LSWAN also provides NIPR and SIPR e-mail services, NIPR and SIPR data, and voice capability. LSWAN also provides for a terrestrial wireless capability, Orthogonal Frequency Division Multiplexing (OFMD), which extends connectivity to remote sites, thus allowing remote users access DISN services.

Exhibit P-40a,	Budge	et Iter	n Justifica	tion for A	Aggregate	ed Items		Date:	February 2	2006		
Appropriation / Budget Activity Procurement Marine Corps (1109) Communica	ation and	d Elect	ronics Equipn	nent (4)		P-1 Item Nomencla	ature:		RADIO SYST	EMS		
Procurement Items	Code	UOM	Prior Years	FY 2005	FY 2006	FY 2007					To Complete	Total Prog
HIGH FREQUENCY RADIOS	Α	D Q	0.2	0.0	0.0	3.6					0.0	3.8
TROJAN LITE	A	D	0.4	4.6	0.0	0.0					0.0	5.0
*FY06 -FY09 moved to BLI 474700 Intel Support		Q	0.4	4.0	0.0	0.0					0.0	0.0
TROPO SATELLITE RADIO	Α	D Q	1.9	0.5	0.0	0.0					0.0	2.4
Tactical Computer	A	D	0.0	0.0	2.4	0.0					0.0	2.4
		Q										
												<u> </u>
TOTAL			2.5	5.1	2.4	3.6					0.0	13.6
												<u> </u>

Exhibit P-5, Weapon			get Activity/Serial No:		P-1 Line Item Nor			Weapon System	Туре:	Date:	
WPN SYST Cost Analysis			ne Corps (1109) Come etronics Equipment (4)		Ra	dio Systems				Febr	uary 2006
Weapon System	ID	Prior Yrs		FY05			FY06			FY07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
D.4.0.D			0.404	4000	0000	0500	40.40	4075			
DAGR			2401	1062	2260	8589	4349	1975			
Radio Set (AN/PRC 117 various)			2669	VAR	VAR		var	var			
Radio Set, E-PLRS			40450	0005	5700	31680	712	44500	0000	\/AD	\/A.D
PRC-148 Tactical Handheld Radio			13156	2295	5733	25000	3333	7500	2090	VAR	VAR
RADIO SYSTEMS											
Multi types of radars, both vehicle mounted											
& manpack, EPLRS, network manager,			16135	392	41160						
Manpack Radio Set High Frequency			.0.00	002							
manpaok radio cot riigir roquonoy											
MBMMR			79386	2584	30725						
AN/PRC-119 (SINCGARS)			13523	2449	5520						
LSWAN - Logistics Communications suites			14000	30	466666						
Personal Role Radio (PRR)											
PRR			5927	4071	1456						
PRR Dual capable sets			1762	1200	147						
PRR Single sets			5130	4500	1140						
Trick Onligic Sets			0100	4000	1140						
TEAMS - ANTENNA MAST SYSTEM ILS			12429 5386	192	64734						
CONDOR Gateway						2370	30	79000	6000	75	80000
ILS						685		7 3 3 3 3	1007	, 3	00000
First Article Test						50					
Modification kits EDM Upgrade (Mod Kits)						40.4					
Spiral Technology Upgrade (Mod)						424			1135		
Training						175			283		
Legacy Comm/Elec:					=	2.5-			~= · -	,,,,	
Networks Legacy Communication/Elect Wireless Legacy Radios			1104 1250	VAR VAR	VAR VAR	2166 4692	VAR VAR	VAR VAR		VAR VAR	VAR VAR
WIIGIGSS LEYACY NAUIUS			1250	VAK	VAR	4092	VAR	VAR	7482	VAR	VAR
TOTAL			174258			201607			27712		
Active			174258			201607			27712		
Reserves											

Exhibit P-5, Weapon WPN SYST Cost Analysis		Procurement Marin	get Activity/Serial No: e Corps (1109) Comm ctronics Equipment (4)	nunications	P-1 Line Item Nor RADIC	nenclature: COMM SUI	ГЕ	Weapon System	Туре:	_{Date:} Febr	uary 2006
Weapon System	ID	Prior Yrs		FY05			FY06			FY07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
RADIO CONTROL COMM SUITE											
GBS			4194	23	182347						
BLOS (CONDOR)			800								
VRC-104			20181	208	97024						
PRC-150			27038	VAR	VAR						
Legacy Radio			500	10	50000						
Support			150								
EPLRS Net control station			16729	VAR	VAR						
Radio Sets			54059	VAR	VAR						
LMST			15564	VAR	VAR						
TSSR			5927	72	82320						
TSC-154 - SMART-T			3654	2	1827000						
TSC-93B COMM Terminal			7500	15	500000						
TOTAL Active Reserves			156296 156296								

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budg	et Activity/Serial No: #REF!		P-1 Line Item Nor	nenclature: GBS		Weapon System	ıype:	Date:	
•		Prior Yrs		E\/05	-		E)/aa				uary 2006
Weapon System Cost Elements	ID CD	TotalCost	TotalCost	FY05 Qty	UnitCost	TotalCost	FY06 Qty	UnitCost	TotalCost	FY07 Qty	UnitCost
Cost Elements	CD	\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Global Broadcasting System GBS Systems NGRT Antenna Procurement Spares Kits Training		1470 450 150	1389	12	115733	5670 300 100	54 28	105000 10714			
Engineering Support Program Support		125 302		4	4005000	260 305			5005	2	400500
Phoenix TSST Phoenix BIDDS			7980 2997	4 3	1995000 999000				5985	3	199500
Phoenix HMMWV Contract Management Engineer Support Contractor Support (CEOS) LMST FM Orderwire Upgrade Highpower Amplifiers		400 196	560 728 600 3628	8	70000	67			420 495 491	6	7000
LMST Ka-Band Upgrade LMST Mobilization Racks LMST Transit Case VI HMMWV NSMA SUPPORT		8209 129	445			1600 2439	5 6	320000 406500	3845	12	32041
SMART-T Terminal HMMWV (1 per terminal) Upgrades SMART-T Terminals IKEE (vehicle mounting kit) Ancillary Equipment Program Support Contract Support		1428 265 32 498 628				6133 52	8	766625	10530 399	13	81000
TOTAL Active Reserves		14282 14282	18538 18538			16926 16926			22165 22165		

Exhib	t P-5a, Budget Procurement	History a	ind Planning					Date:	ebruary	2006
Appropriation / Budget Activity/Serial No:		Weapon Syst			P-1 Line Item	Nomenclature):	- 10	bidaiy	2000
Procurement Marine Corps (1109) Communication	n and Electronics Equipment (4)						RADIO SYSTE	EMS		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date		QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
FY06 - Handheld GPS DAGR	Rockwell Collins, Inc Cedar Rapids, IA		El Segundo, CA	Feb-06	Mar-06	4349	1975	Y	N	N
FY 06 - Radios Set EPLRS	Raytheon, Fullerton, CA	FFP	Marcorsyscom	Feb-06	Mar-06	712	44500	Υ		
FY 06 - VRC-103/PRC117F	Harris Corp. Rochester, NY	FFP	Marcorsyscom	Feb-06	Mar-06	VAR	VAR	Y		
FY06 - MBITR PRC-148 Tactical Handheld	Thales, Clarksburg, MD	FFP	Marcorsyscom	Feb-06	Mar-06	3333	7500	Y		
FY05 - RADIO SYSTEMS	VARIOUS	FFP	VARIOUS	Sep-05	VAR	392	41160	Y	N/A	N/A
FY05 - MBMMR	TBD	FFP	MCSC QUANTICO VA	Sep-05	Jan-06	2584	30725	Υ	N/A	N/A
FY05 - AN/PRC 119 (SINCGARS)	ITT INDUSTRIES INCORP FT WAYNE IN	FFP	CECOM FT MONMOUTH N.	Jun-05	Dec-05	2449	5520	YES	N/A	N/A
FY05 - AN/PRC-148	THALES COMMUNCATION CLARKSBURG MD	FFP	MCSC QUANTICO VA	Jun-05	Dec-05	2295	5733	YES	N/A	N/A
FY05 - LSWAN	Data Path Systems, Duluth, GA	FFP	CECOM FT MONMOUTH N	Oct-06	Feb-06	30	466666			
FY05 - Personal Role Radios (PRRS)	TBD	FFP	MCSC QUANTICO VA	Feb-06	Jun-06	4071	1456			
FY05 - PRR Dual Capable Sets	TBD	FFP	MCSC QUANTICO VA	Feb-06	Jun-06	1200	147			
FY05 - PRR Single Sets	TBD	FFP	MCSC QUANTICO VA	Feb-06	Jun-06	4500	1140			
FY05 - ANTENNA MAST SYSTEM	TBD	FFP	MCSC QUANTICO VA	Feb-06	Jun-06	192	64734	YES	N/A	N/A
DEMANUS.										

F1	ibit D. Co. Decident Decisions		and Diametican					Date:		
	nibit P-5a, Budget Procureme							Fe	ebruary	2006
Appropriation / Budget Activity/Serial No: Procurement Marine Corps (1109) Communic	cation and Electronics Equipment (4)	Weapon Syst	em Type:		P-1 Line Item	Nomenclature	CONDOR			
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?	Date Revsn Avail	RFP Iss Date
FY06 - CONDOR GATEWAY	TBD	FFP	CTQ MARCORSYSCOM	Nov-05	Mar-06	30	79000	N	N	N
FY07 - CONDOR GATEWAY	TBD	FFP	CTQ MARCORSYSCOM	Nov-06	Feb-07	75	80000	N	N	N
Global Broadcasting Service (GBS) FY05 GBS Systems FY06 GBS Systems	Raytheon Raytheon	FFP FFP	JPO Hanscom AFB JPO Hanscom AFB	Sep-05 Nov-05	Jan-05 Mar-06	12 54	115733 105000		N N	N N

F	xhibit P-5a, Budget Procuremen	t History a	nd Planning					Date:	ebruary	2006
Appropriation / Budget Activity/Serial No:		Weapon Syst			P-1 Line Item	Nomenclature		F	ebiualy	2000
Procurement Marine Corps (1109) Commu	Contractor and Location	Contract	Leasting of DOO	Assert Data	Date of First	QTY	LMST	Specs	Date	RFP Iss
	Contractor and Location	Method	Location of PCO	Award Date	Date of First Delivery	Each	Unit Cost \$	Avail?	Revsn Avail	Date
Fiscal Years		and Type			Delivery	Eacn	\$		Avaii	
PHOENIX TSST										
FY05	L-3 Communications, Salt Lake City UT	FFP	CECOM	Aug-05	Feb-07	4	1995000	Υ	N	N
FY07	L-3 Communications, Salt Lake City UT	FFP	СЕСОМ	Jan-07	Dec-07	3	1995000	Y	N	N
PHOENIX BIDDS										
FY05	L-3 Communications, Salt Lake City UT	FFP	CECOM	Aug-05	Feb-07	3	999000	Y	N	N
PHOENIX TSST HMMWV										
FY05	L-3 Communications, Salt Lake City UT	FFP	CECOM	Aug-05	Feb-07	8	70000	Υ	N	N
FY07	L-3 Communications, Salt Lake City UT	FFP	CECOM	Jan-05	Dec-07	6	70000	Υ	N	N
Lightweight Multiband Satellite Terminal										
(LMST) Ka-Band Upgrades FY06	Hamis Came Malhaumes Fl	FFP	CECOM	Jam OC	A 00	-	320000	Y	N	N.
FY07	Harris Corp, Melbourne FL Harris Corp, Melbourne FL	FFP	CECOM	Jan-06 Nov-06	Aug-06 Mar-07	5 12		Ϋ́Υ	N N	N N
Lightweight Multiband Satellite Terminal										
(LMST) Mobilization Racks								.,	l	l
FY06	Harris Corp, Melbourne FL	FFP	CECOM	Jan-06	Aug-06	6	406500	Y	N	N
SMART-T Terminal Upgrade										
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	Exhibi	P-40, Budge	t Item Justific	ation Sheet			Date:		February 2006	6	
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	ture:					
Procurement, Marine Corps (11	109) / Communications and Electronic	Equipment (4)					Communication	Switching and	Control System	ns	
Program Elements:			Code:	Other Related Prog	ram Elements:						
0206313M Marine 0	Corps Communication Equipment		Α								
	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty											
Gross Cost	84.8		106.3	143.4	49.2	45.8	45.2	23.3	4.4	Cont	Cont
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	84.8		106.3	143.4	49.2	45.8	45.2	23.3	4.4	Cont	Cont
Initial Spares	1.8		0.0	2.7	0.9	0.8	0.5	0.0	0.0	Cont	Cont
Total Proc Cost	86.6		106.3	146.2	50.1	46.6	45.7	23.3	4.4	Cont	Cont
Flyaway U/C											
Wpn Sys Proc U/C											

Network Planning and Management-NPM (Also known as Joint Network Management System-JNMS):

NPM (JNMS) - NPM is a portfolio of communications planning and Network Management System (NMS) applications for use throughout the Marine Air Ground Task Force (MAGTF). NPM includes JNMS and the Systems Planning Engineering and Evaluation Device (SPEED). JNMS provides the MARFOR component planners with the Joint mandated software needed to conduct high-level planning; detailed planning and engineering; monitoring; control and reconfiguration; spectrum planning and management; and security in support of Combatant Commander (COCOM) and Commander, Joint Task Force (CJTF) operations. SPEED is software used for Radio Frequency (RF) communications analysis by JNMS, other Services and for System Planning and Engineering (SPE) throughout the MAGTF. SPEED provides High Frequency (HF) predictions, Line of Site (LOS) propagation, Radio Coverage Analysis (RCA) and related communications network planning and management.

Tactical Data Network: TDN augments the existing MAGTF communications infrastructure to provide the commander an integrated data network, forming the communications backbone for Tactical Data Systems (TDS) and the Defense Messaging System (DMS). TDN consists of Gateways (AN/TSQ-222) and Data Distribution Systems (DDS) (AN/TSQ-228), interconnected with one another and their subscribers via a combination of common user long-haul transmission systems, local area networks (LAN), and switched telephone systems. The TDN PIP provides a smaller and more mobile variant DDS for the Battalion, Secure Wireless LAN capability for enhanced mobility, integrates security interdiction products into the Gateway, and provides critical refresh of non-Marine Common Hardware Suite (MCHS) network components such as routers, switches, converters, and peripheral tactical gear.

First In Command and Control System (FICCS) - FICCS is an integrated, processor-controlled communications and management system, housed in a S-788/G Lightweight Multipurpose Shelter (LMS) populated with equipment that facilitates secure and non-secure voice and data communications, switching functions, network routing and management, and global broadcast functions. The S-788/G LMS is mounted on a Heavy-variant High Mobility Multipurpose Wheeled Vehicle (H-HMMWV) and can be connected to a quick-erect general purpose tent.

EXPEDITIONARY COMMAND & CONTROL SUITE (ECCS) is a transit case solution that provides SIPRNET email and web access, secure VTC, C2PC/COP and collaborative planning (DCTS) DISA Standard to initial response teams to communicate with higher HQ until larger C2 systems are established. This is an On-The-Move/Enroute Capability. **COMSEC CABLES** - support Marine Corps COMSEC (Communications Security) interface requirements in a timely and cost effective manner. A continuous emerging requirement to provide the FMF (Fleet Marine Force) with new ancillaries and cable interfaces for interconnection between COMSEC devices and MAGTF C4I systems, C4I (Information Technology) IT Network Security systems, C4IAD Air Defense systems, and other systems with interface requirements for standalone COMSEC devices during acquisition, implementation, fielding and life cycle.

		Date:
Exhibit P-40, Budget Item Justification Sheet		February 2006
Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:	
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4)		Communication Switching and Control Systems

JCSE Joint Communications Support Element - this effort funds the Marine Corps share of efforts to keep the JCSE equipped with the latest state-of-the-art equipment to accomplish its Joint Staff Mission.

Transition Switch Module (TSM): The TSM is a replacement for the Unit Level Circuit Switch (ULCS) family of equipment. It will provide a flexible Unit Level Switch that bridges legacy Tri-Tac switches with current commercial technology to provide Marine maneuver elements with a more robust voice/data switching, data transport and bandwidth management capabilities. This program will maintain USMC joint interoperability as all Services transition to Contractor Off-The-Shelf (COTS) switching technologies.

On Demand First Response Tact Comm: This capability is for the 1st MEF. It provides a near-real time video streaming capability on the battlefield.

Position Location Information: **Blue Force Tracker (BFT)**: The BFT System is a satellite-based Tracking and Communication System. BFT provides the capability to identify position, tack progress, and communicate with the operators of tactical shelled vehicles. It is intended to provide real-time, in-transit visibility of vehicles and cargo within a theater of operation. The BFT is employed to the BN level to provide operational commanders with USMC/Army Position Location Information within the Area of Operations.

CENTRX Expansion: This is one-time FY 05 Supplemental that provides a Combined Enterprise Regional Information Exchange System (CENTRIXS) for Coalition partner voice and data networks. This CENTRIXS capability provides Southwest Asia (SWA), mainly Iraq, with a Coalition Local Area Network (LAN) capability consisting of Routers, Power over LAN Ethernet Switches and Voice over Internet Protocol (VoIP) phones.

Telephone Sets: This is one-time FY 05 Supplemental for Memory Card Modification Kits to upgrade the Unit Level Circuit Switch (ULCS), Telephone Switchboard (SB-3865) and the Central Office Telephone Switch (AN/TTC-42), that must be sustained at a high readiness level until replaced by sufficient numbers of fielded Transition Switch Modules (TSM).

LSWAN: LSWAN is an integrated system consisting of Commercial-Off-The Shelf (COTS) KU Very Small Aperture Terminal (KU VSAT) and IP-Based COTS networking equipment. LSWAN systems provide Over-The-Horizon, Intra-Theater Communications. LSWAN allows augmentation of data service connectivity for austere locations to connect at higher data rates into the tactical network. This connectivity will support administrative and logistics applications supporting MNF-W Forces.

GRT (Tactical Logistics Data Collection and Reporting System): a mini version of the LSWAN. This version is lighter.

Defense Advanced GPS Receiver (DAGR) – The DAGR is a palm-held, dual-frequency (L1/L2) Selective Availability Anti-Spoofing Module (SAASM) based, Precise Positioning Service (PPS) receiver. DAGR provides real time position, velocity, navigation and timing (PVNT) data in a stand-alone receiver. The DAGR is to be used in either a stand-alone or an integrated configuration by Combat, Combat Support and Combat Service Support (CSS) and Special Operations Forces (SOF) units throughout all theaters of operation. The DAGR will provide support to personnel, on the ground, in air drip situations, indirect fire weapon systems, armored vehicles and as a secondary or supplemental aid to aviation-based missions in low-dynamic fixed or rotary-wing aircraft.

DTC Facility: The Digital Technology Control Facility consists of S-280 Shelter that is modified to accommodate commercial off the shelf (COTS), Government off the shelf (GOTS) and NDI Technical Control and ancillary equipment. The shelter houses patch panels, multiplexers, modems, circuit switches, a facility management terminal, test equipment, communication security (COMSEC) equipment and miscellaneous support equipment.

Data Distribution System Tactical (V2): The TDN Data Distribution System (DDS) (V2) provides support for message handling, network management, IP routing and switching and resource sharing to all Marine Corps Units at Battalion/Squadron level and higher.

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Exhibit P-40a,	Budge	et Ite	m Justifica	tion for Aç	gregated				February 2006		
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1005	+.	_	0.4	0.2	0.4	0.4				Cont	Cont
JCSE	Α	D	0.4	0.2	0.4	0.4				Cont	Cont
		Q									
LSWANN	Α	D	0.0	2.6	0.0	0.0				0.0	2.6
		Q									
DTC FACILITY	Α	D	0.0	0.0	0.2	0.0				0.0	0.2
		Q									
DATA DISTRIBUTION SYS, TACTICAL (V2)	Α	D	0.0	0.0	2.3	0.0				0.0	2.3
		Q									
											0.0
TOTAL				9.4	3.6	1.3				0.0	14.4
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Exhibit P-5, Weapon		Appropriation/ Budge Procurement Marine		nunication	P-1 Line Item Nom		nn l	Weapon System	туре.	Date:	
WPN SYST Cost Analysis		and Electronics Equi		nunication	Position I	Location Information	on			Febr	uary 2006
Weapon System	ID	Prior Yrs		FY 05			FY 06			FY07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Position Location Information (BFT)											
DAGERS			5385	2500	2154						
BLUE FORCE TRACKER SYSTEM			48500	1930	2513						
LOGISTICS TECH SUPPORT			3798								
FSRs SUPPORT			1875								
ON DEMAND FIRST RESPONSE											
M1097A			11461	5	2292200						
IA SUPPORT			3523								
i ii st iii Commanu anu Comtroi System		11974									
Technical Data & Publications		250				370					
Program Management Support		150	146			620					
Integrated Logistic Support (ILS)		150				634					
Contractor Logistics Support ICE						890					
Engineering Support			858								
Training						544					
JTC Assessment/Certification			30								
First Article Testing		355									
Block I Mod (3LRIP) to Block II			1887	3	629000						
Engineering Change Proposals (ECPs)			412			2500					
REDCOM/Promina Software Upgrade						1500					
Block III Mod/Installation Kits						3551	14	253642			
Fielding						250					
Cable Assembly			105								
JNMS Software (V1 & V2) (and host hdw			2989	9	332111	4520	12	376667			
Program Support						333					
Fielding & NET Support						807					
ILS						200					
ECP						668					
Subtotal of Page 1		12879	80969			17387					
Active		10485	80969			17081					
Reserves		2394				306					

Exhibit P-5,	Appropria	ation/ Budget Activity/S	erial No:		P-1 Line Item No	menclature:		Weapon System	Туре:	Date:	
Cost Analysis		Procurement, Ma								Fehr	uary 2006
	Com	munications and	Electronic Equip		TACTICAL D	DATA NETWO					uary 2000
Weapon System	ID	PYs		FY 05			FY 06			FY 07	•
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Tactical Data Network											
Data Distribution System (DDS)		3506									
Program Support		549	162								
Gateway UpGrade											
Training											
DDS Upgrade						5289					
Peripherals		243									
Gateway Network Security Block 3 Upgrade									5000		VAR
Non-MCHS Hardware Upgrade									5680		
Mobile Server Variant									5000	58	86207
DoD Compliance Upgrade to IPV6									8921		
Hardware/Software System Upgrades			11798						3000		
Software Enterprise License Agreement			4000								
0.77											
GRT								044500			
SWAN, ANTENNAS AND NETWORK						6890	20	344500			
Transition Switch Module											
TTC-42 Replacement Variant						39480	40	987000			
COMSEC											
KIV-7M						1760	160	11000			
Program Management						220					
Data Distribution System (DDS)						35280	120	294000			
(Home Station Shortfall)											
COMSEC											
KIV-7M						2640	240	11000			
KIV-7M RACK						360					
KG175D						2640					
Program Support						330		330000			
						0.4500		004000	47044	40	004000
Transition Switch Module Technical Data and Publications						24566		361263		48	361263
Program Management Support						200 441			152 960		
									342		
Integrated Logistics Support (ILS)						889					
Training Devices Factory Training						357 263			358 263		
1st Article Testing						203			203		
Engineering Change Proposals (ECPs)						362			362		
Fielding (New Equipment Team)						462			462		
TOTAL of Page 1 and 2		17177	96929			139816			27601		
Active		14783	96929			139510			20379		
Reserves		2394				306			7222		

	. D. E. D. J. J. D. J.							Date:		
	t P-5a, Budget Procurement I							Fe	ebruary	2006
Appropriation / Budget Activity/Serial No:		Weapon Syste	em Type:			Nomenclature				
Procurement, Marine Corps (1109) / Communicat	ons and Electronic Equipment (4)	0	•		FIRST IN	COMMAI	ND AND CONT			,
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
ON DEMAND FIRST RESPONSE										
FY05										
M1097A	DATA PATH, Duluth, GA	FFP	СЕСОМ	Oct-05	Jan-06	5	2292200	Yes	N/A	N/A
POSITION LOCATION INFORMATION (BFT)										
FY05										
DAGERS	Rockwell Collin Inc	FFP	AF Space & Missile Sys	Jun-05	Feb-06	2500	2154	Yes	N/A	N/A
	Cedar Rapids IA									
BLUE FORCE TRACKER SYSTEM	DRS Tactical Sys Palm Bay, FL	FFP	CECOM	Aug-05	Dec-05	1930	2513	Yes	N/A	N/A
FICCS	<i>3.</i>									
FY05 BLOCK 1 MOD (3LRIP) TO BLOCK II	DARLINGTON INC/ARLINGTO VA	C/FFP	MCSC	May-05	Sep-05	3	629000			
FY06 BLOCK III MOD/INSTALLATION KITS	DARLINGTON INC/ARLINGTO VA	C/FFP	MCSC	Apr-06	Sep-06	14	253642			
Network Planning/Mining (JNMS)										
FY 05 JNMS Software/Hardware	SAIC, SAN DIEGO, CA		CECOM	,	Mar-06	9	332111	Υ		
FY06 JNMS Software/Hardware	SAIC, SAN DIEGO, CA	MIPR FP	CECOM	Nov-05	Mar-06	12	376667	Y		
Tactical Data Network										
FY07 Mobile Server Variant	TBD	FFP	MCSC	NOV 06	JAN 07	58	86207	N		TBD
GRT										
FY06 LSWAN	DATA PATH	FFP	DULUTH, GEORGIA	MAR 06	JUN 06	20	344500	Υ	N/A	N/A
FY06 Transition Switch Module	EDO-Darlington, Wando, SC	C/FFP	MARCORSYSCOM	Apr-06	Jun-06	40	987000	Υ		Oct-03
FY06 Transition Switch Module	TBD	C/FFP	MARCORSYSCOM	Mar-06	Jul-06	68	361263	Υ		Oct-03
FY07 Transition Switch Module	TBD	C/FFP	MARCORSYSCOM	Oct-06	Feb-07	48	361263	Υ		Oct-03
FY06 Data Distribution System (DDS)	TBD	TBD	TBD	Apr-06	Jun-06	120	294000	Υ		Feb-06

REMARKS:

FY 07 BUDGET EXHIBIT P-21,		ON S	CHED	DULE																Date):				Febru	ıary 2	2006				
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FICCS BLK III MOD/INSTALL KITS	DARLINGTON II	NC/ARL	INGTO	N VA													6			5						1	1				
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NPM (JNMS) ALL (V)S FY06	SAIC, SAN DIEG																1			4						:	5	\neg			
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FY 07 BUDGET EXHIBIT P-21		ON SO	CHEC	DULE																Date):				Febr	uary 2	2006				
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FY 07 BUDGET EXHIBIT P-21,		ON S	CHED	ULE																Date):				Febru	ıary 2	2006				
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TRANSISTION SWITCH MODULE FY06	TBD						- 2	2	2	:0	4	0					5			4						,	9				
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TRANSISTION SWITCH MODULE		6	МС	68		68																		Α				4	20	20	24
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TRANSISTION SWITCH MODULE		6	МС	68	44	24	20	4																							
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REMARKS:																															

	Exhibit	P-40, Budget Iten	n Justific	ation Sheet			Date:		February 2006	6	
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	ture:	•				
Procurement, Marine Corps (11	109) / Communications and Electronics	Equipment (4)					COMM &ELE	C INFRASTRUCTU	RE SUPPORT		
Program Elements:		Cod	de:	Other Related Prog	ram Elements:						
0206313M Marine (Corps Communication Equipment		Α								
	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty											
Gross Cost	269.0		60.9	19.1	17.1	28.6	16.1	16.8	17.2	Cont	Cont
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	269.0		60.9	19.1	17.1	28.6	16.1	16.8	17.2	Cont	Cont
Initial Spares											
Total Proc Cost	269.0		60.9	19.1	17.1	28.6	16.1	16.8	17.2	Cont	Cont
Flyaway U/C											•
Wpn Sys Proc U/C											•

The Marine Corps Communication/Electronic Infrastructure Support program is an aggregation of inter-related data processing disciplines. The overall objective is to achieve modernization and increase processing capacity, both of which are required to allow continued operation of existing Automated Information Systems (AIS) and the implementation of new Corporate Information Management (CIM) automated information systems (AIS) to support all functional areas.

BASE TELECOMMUNICATIONS INFRASTRUCTURE: Provides funding to sustain the base telephone and transmission systems not covered under the Navy Marine Corps Intranet (NMCI) contract which are used to transfer voice, video, data, imagery, etc. aboard Marine Corps bases and stations. These systems also provide users access to worldwide information systems such as the Defense Information Systems Network, the Internet, and various commercial systems. The base telecommunications infrastructure consists of a fiber optic and copper cable distribution systems, multiplexes and high speed transmission equipment capable of supporting any foreseeable bandwidth requirements on demand. Telephone systems will use Integrated Switched Digital Network (ISDN) technology to provide integrated and switched voice, video, and data capability.

COMMERCIALIZATION OF COMMUNICATION: (CENTCOM) This is part of an overall strategic plan to commercialize communications nodes which directly support I MEF in support of OIF. Includes Main distribution Frame, Network Plant, Central Microwave System, Telephone Switching equipment, and System integration.

INFORMATION OPERATIONS COMPUTER NETWORK ASSESSMENT: The Marine Corps Information Assurance Red Team (MCIART) and the Marine Corps Information Assurance Blue Team (MCIABT) are part of the Marine Corps Network Operations and Security Command (MCNOSC) Computer Network Defense (CND) Company. These teams are responsible for conducting security assessments on all Marine Corps networks, including the Marine Corps Enterprise Network (MCEN) and the Navy Marine Corps Intranet (NMCI). The mission has been chartered by HQMC/C4 in accordance with DoD regulations. The MCIART and MCIABT conduct operations both onsite and remotely with a commitment to ensure the Marine Corps networks are secure from all cyber adversaries, both foreign and domestic.

PUBLIC KEY INFRASTRUCTURE (PKI): Public Key Infrastructure is a framework of laws, policy, procedures and technologies for the use of digital credentials, which provide confidentiality, integrity, authenticity, and non-repudiation in electronic communications and transactions. PKI allows secure access to Information Technology (IT) systems. PKI has the ability to electronically sign documents, encrypt messages and documents, and to authenticate and protect Web access.

STORAGE AREA NETWORK DEVICES: Provides high availability data storage for Tactical Data Network.

FIBER OPTIC FUSION SPLICER: General Purpose Tool Kit consisting of the hand tools & devices used to repair fiber optic cables. Broken or damaged sections of fiber are removed and remaining cable (or replacement section) is spliced together to restore connectivity/communications. Used in a field environment (on site) by electronic maintenance technicians wherever fiber optic cables are being used. Part of Marine Corps family of General Purpose Tools Sets & Kits Program.

FY05 Supplemental Funding Received: \$3.2M

Exhibit P-40, Budget Item Justification Sheet		Date: February 2006
Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:	
Procurement, Marine Corps (1109) / Communications and Electronics Equipment (4)		COMM &ELEC INFRASTRUCTURE SUPPORT

TACTICAL SYSTEM SUPPORT EQUIPMENT (TSSE): Required equipment and support for the Marine Corps Tactical System Support Activity to satisfy the demand from operational MAGTFs, staffs, and acquisition agencies for support in assessing the level of integration of systems within the MAGTF C4ISR architecture. Marine Corps Tactical Systems Support Activity has established a Systems Integration Environment (SIE) that is made up of the data, communications, and messaging systems fielded to the Operating Forces to provide interoperability and integration assessments to decision-makers at Marine Corps Systems Command. This includes testing and assessing new software and systems, replicating and exploring interoperability problems encountered by the Operating Forces, and analyzing systems for the proper implementation of standards, protocols, and interfaces prior to fielding. Additional equipment is to provide the Marine Corps with a controlled testbed that reflects the C4I configuration of an operational MEF-level MAGTF employed alone or as part of a Joint Task Force. Equipment is required to support the Marine Corps Tactical System Support Activity's effort on Life Cycle Software Support (LCSS) for tactical systems. Investment items are essential to form the basis of software support for the Marine Corps tactical data systems that are fielded. The SIE gives the Marine Corps the only place in the world to assess the usability, functionality, and interoperability of the MAGTF system of systems.

DEFENSE MESSAGE SYSTEM (DMS): DMS integrates the Automatic Digital Network (AUTODIN) and E-mail functions into a single, secure, Department of Defense (DoD) message communications system. DMS will expand writer-to-reader connectivity, support, and message security services. Organizations will be able to create, edit, send, receive, read, and process organizational and individual messages, secured with end-to-end protection, direct from desktop terminals/personal computers in their workspaces. Essentially, DMS will do everything our current e-mail and AUTODIN systems do with the following additional capabilities:

- 1) connectivity to all users in DoD
- 2) ability to send organizational messages from the desktop DMS migrated from BLI 463400 starting in FY04.

USMC NETWORK OPERATIONS SECURITY CENTER (NOC): The Marine Corps Network Operations Security Center (formerly MITNOC) provides secure network communications for Marine forces worldwide. The MCNOSC provides network support to Marine organizations outside of the Navy Marine Corps Intranet (NMCI) and to deployed and tactical forces; defends all deployed Marine tactical and garrison networks; supports Marine Corps mainframe applications, which are critical to warfighting and enterprise operations; provides technical support for the DOD mandated solution for record message traffic; supports the DOD mandated solution for encrypting network communications and authoritatively identifying people and computer resources. This line supports the MCNOSC and provides the communications infrastructure requirements for this new MILCON funded building which begins construction in Spring 2005. The project will provide Building communications, Building Security System, Electronic Displays, Internal Network Infrastructure, and a satellite system.

USMC CONTINUITY OF OPERATIONS (COOP): The COOP focuses on restoring an organization's (usually a headquarters element) essential functions at an alternate site and performing them until normal operations and services can be regained. COOP incorporates methods to conduct prevention, response, resumption, recovery or restoration services, should events occur which prevent normal operations. The contingency and continuity plans are fully documented and operationally tested periodically, at a frequency commensurate with the risk and magnitude of loss or harm that could result from disruption or denial of service. Investment items are essential to provide the standardized infrastructure to support the Marine Corps Mission Critical Information Technology (IT) systems essential to all Marine Corps Command and Control Activities.

Exhibit P-40a, Bud	get Iteı	m Justifica	tion for A	Aggregate	ed Items		Date:	I	ebruary 200	6	
Appropriation / Budget Activity					P-1 Item Nome	nclature:					
Procurement, Marine Corps (1109) / Communications and Elect							COMM &ELE	C INFRASTRUCT	TURE SUPPORT		
Procurement Items	Code	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY2009	FY2010	FY2011	To Complete	Total Prog
Tactical Support System Equipment	Α	0.9	0.9	1.0	1.1					Cont	Cont
Public Key Infrastructure	Α	3.4	1.8	2.2	0.4					Cont	Cont
USMC Continuity of Ops	Α	5.9	3.4	2.2	0.0					0.000	11.459
Information Operations Computer Network Assessment	Α	0.0	0.1	0.0	0.0					0.000	0.121
Fiber Optic Fusion Splicer	Α	0.0	0.1	0.0	0.0					0.000	0.116
Combat ID Imaging Panel	A	0.0	0.2	0.0	0.0					0.000	0.165
Total		10.2	6.4	5.4	1.5						

Exhibit P-5,	A	ppropriation/ Budget Ac	tivity/Serial No: Marine Corps (110	19) /	P-1 Line Item Non	nenclature: EC INFRASTRUC		Weapon System 1	Гуре:	Date:	
Cost Analysis		Communications ar		oment (4)		SUPPORT					ary 2006
Weapon System	ID	PYs		FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	├	\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
BASE TELCOM INFRASTUCTURE : 1.TELEPHONE SOFTWARE UPGRADES		8029	3080	VAR	VAR	4000	VAR	VAR	4000	VAR	VAI
NON-NMCI INFRASTRUCTURE UPGRADES		17377		VAR	VAR	6831	VAR	VAR	8021	VAR	VA
Storage Area Network Devices			5403	50	108060						
USMC NOC COMMUNICATION SUPPORT Bldg Communications Bldg Security System Electronic Displays Internal Network Infrastructure Satellite Station System			803 1425 1419 1153 2100								
CENTCOM COMMERICALIZATION I MEF			31157	VAR	VAR						
TOTAL Active Reserve		25406 25406	46540 46540			10831 10831			12021 12021		

Exhibit P-5, Cost Analysis	ļ	Communications ar	Marine Corps (110	pment (4)	P-1 Line Item Nor COMM &ELEC INFRASTRUCT	menclature:		Weapon System	Туре:		uary 2006
Weapon System	ID	PYs		FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
DEFENSE MESSAGE SYSTEM	Ī	\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	Φ
Non TS/SCI Systems (refresh)			1229	VAR	VAR						
TS/SCI Tactical Systems						1260	14	90000			
Tactical HW/SW (TDMS New Sys)		996							2308	24	96167
Certificate Authority Workstation Training			22								
Hardware Refresh		2763									
TDMS Suites		250									
COOP and Storage HW						1185	1	1185000			
SUPPORT CONTRACT Northrop Grumman Strategic Spt		2719	2781						944		
Troising Gramman Gracogic Opt		27.10	2701						011		
Northrop Grumman TS/SCI Spt			2600								
SPAWAR Tactical Support Operations Contract		692	357 371			380			400		
MCHS Purchase (Peripherals)			595	VAR	VAR						
TOTAL Active Reserve		7420 7420	7955 7955			2825 2825			3652 3652		

								Date:		
	oit P-5a, Budget Procurement		_		-			F	ebruary	2006
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronics Equipment (4)	ı	Weapon Syst	em Type:		P-1 Line Item	Nomenclature: COMM &EL	EC INFRASTRUCT	URE SUP	PORT	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	0		Avail	
FY 05										
BASE TELECOMMUNICATIONS	LUCENT GREENSBORO NC	IDIQ	FORT MONMOUTH NJ	Jan-05	VAR	VAR	VAR	NA	NA	NA
	GD,NEEDHAM MA	IDIQ	FORT MONMOUTH NJ	Jan-05	VAR	VAR	VAR	NA	NA	NA
VARIOUS VENDORS	NA	NA	NA	Mar-05	VAR	VAR	VAR	NA	NA	NA
FY 06										
BASE TELECOMMUNICATIONS	LUCENT GREENSBORO NC	IDIQ	FORT MONMOUTH NJ	Jan-06	VAR	VAR	VAR	NA	NA	NA
	GD,NEEDHAM MA	IDIQ	FORT MONMOUTH NJ	Jan-06	VAR	VAR	VAR	NA	NA	NA
VARIOUS VENDORS	NA	NA	NA	Mar-06	VAR	VAR	VAR	NA	NA	NA
FY 07										
BASE TELECOMMUNICATIONS	LUCENT GREENSBORO NC	IDIQ	FORT MONMOUTH NJ	Jan-07	VAR	VAR	VAR	NA	NA	NA
	GD,NEEDHAM MA	IDIQ	FORT MONMOUTH NJ	Jan-07	VAR	VAR			NA	NA
VARIOUS VENDORS	NA	NA	NA	Mar-07	VAR	VAR	VAR		NA	NA
Storage Area Network Devices	General Dynamics C4 Systems Taunton, MA 02780-1069	FFP	US Army Aviation & Mission Command Redstone Arsenal, AL	Apr-05	Jun-05	50	109599	N/A	N/A	N/A
FY 05										
DMS Non TS/SCI System Refresh	NORTHROP GRUMMAN STAFFORD, VA			Feb-05	May-05	VAR	VAR			
FY 06										
DMS TS/SCI Tactical Systems	NORTHROP GRUMMAN, California Microwave			Feb-06	May-06	14	90000			
FY 07										
DMS Tactical Data Management System (TDMS)	NORTHROP GRUMMAN, California Microwave			Nov-06	May-07	24	96167			

FY 07 BUDGET EXHIBIT	P-21, PRODUCTI	ON S	CHE	DULE																Date	:				Fehr	uarv	2006	;			
Appropriation Code/CC/BA/BSA/							Wea	pon	Syste	em				P-1 I	tem N				& FI	FC	: INI	FRA	STI				SUP		RT		
							Р	ROD	UC	TION	RA	ГΕ			PR				IT LE						Π		-	<u> </u>	···		
ITEM	Manufacturer's N	AME / LO	CATION				1	SR		CON		ΑX		T Pr Oct	ior	AL		ter	lı	nitia g PL		R	eord fg P			TC	TAL			it of	
DMS TS/SCI Tactical System	Northrop Grumn	nan. Cal	lifornia I	Microwave	9		1	4		25	5	0	ιο	Oct		_	4			3			.9 .				7	`	+	aou	
DMS Tactical Data Mgmt System	Northrop Grumn							4	2	25	5	0					1			6							7		1		
																													1		
										Fisca	ıl Yea	ır 05		<u> </u>		.,							Fi	scal	_						
		1	ı		I	1	1		1		1			Cale	ndar	Yea	r 05		Т					C	aler	idar `	Year	U6		$\overline{}$	-
ITEM		F Y	S V C	Q T Y	D E L	B A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J L		S E P	
DMS NON TS/SCI SYSTEM	REFRESH	5	МС	VAR		VAR																			H	+	+	十	+	十	十
DMS TS/SCI TACTICAL SYS		6	MC	14		14																	Α			5	5	4	+	T	T
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ITEM		F Y	S V C	Q T Y	D E L	B A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J N		A U G	S E P	
DMS TACTICAL DATA MGM	T SYSTEM	7	МС	24		24	L	Α		L				5	5	5	5	4						Ĺ	L	1	T	1	1		1
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	Exhibit P-	40, Budget Item Justific	cation Sheet			Date:		February 2	006	
Appropriation / Budget Activity/S	Serial No:			P-1 Item Nomenclatu	ıre:					
Procurement, Marine Corps (11	09) / Communications and Electronics Equi	pment (4)				MOI	DIFICATION KITS (N	MAGTF C4I)		
Program Elements:		Code:	Other Related Progra	am Elements:						
0206313M Marine C	Corps Communication Equipment	A								
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty										
Gross Cost	203.8	5.3	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	203.8	5.3	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Initial Spares	9.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Total Proc Cost	213.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Flyaway U/C										
Wpn Sys Proc U/C										

Modifications budgeted under this line are for the purpose of correcting equipment deficiencies noted after new items are fielded or to increase operational capabilities of non-telecommunication end items previously fielded.

MEWSS PIP - An Electronic Warfare (EW) suite of equipment configured in the highly mobile, survivable Light Armored Vehicle. The MEWSS-PIP is an evolutionary acquisition program that incorporates a rigorous P3I strategy. This program develops a material change for the current, outdated EW suite. Threat tactical communications have advanced to complex modulations requiring computer intensive, open architecture solutions. MEWSS-PIP fulfills the requirement to provide responsive EW support to maneuver commanders by enhancing the ability to defeat the enemy by isolating and suppressing opposing fire control and command (C2) circuits at a critical point in the battle. MEWSS-PIP will provide detection, location and demodulation of advanced tactical communications.

CESAS (FLAMES) - The Communication Emitter Sensing and Attacking System (CESAS) is a system of COTS/GOTS designed to support the Marine Air Ground Task Force (MAGTF) Commander in conducting operations. It provides the capability to effectively sense/detect and attack through the use of electromagnetic energy, the enemy's communication systems in support of the Commander's C2 Warfare plan. The system will replace the existing AN/ULQ-19 and will assume the mission of sensing and denying the enemy the use of the electromagnetic spectrum; thereby, disrupting his C2 system. Though primarily High Mobility Multi-Purpose Wheeled Vehicle (HMMWV)-mounted, CESAS will be capable of both seaborne and airborne deployment and employment; thereby, enhancing the Radio Battalion's ability to support Expeditionary Maneuver Warfare. CESAS provides the capability to operate against enemy emitters, which utilize numerous modern modulation schemes.

BLI 463600 Mod Kits MAGTF C4I was consolidated into new BLI 465200 Modification Kits beginning in FY06.

	_	_			Date:						
Exhibit P-40a, Budget Item Justifica	tion	for Aggreg						February 200	6		
Appropriation / Budget Activity			P-1 Item Nome	nclature:							
Procurement, Marine Corps (1109) / Communications and Electron						MOD	IFICATION KITS (I	MAGTF C4I)			
Procurement Items	Code	Prior Years	FY 2005	FY 2006	FY 2007					To Complete	Total Prog
AN/MLQ-36A (MEWSS)	Α	43.8	2.7	0.0	0.0					0.0	46.5
CESAS (FLAMES)	Α	2.5	2.6	0.0	0.0					0.0	5.1
Totals		46.3	5.3	0.0	0.0						
											<u> </u>

Flyaway U/C Superior		Exhibit P-40, E	Budget Item Justit	ication Sheet			Date:		February 200	6	
Code	n / Budget Activity/Serial No:				P-1 Item Nomenclat	ture:			•		
Note	nent, Marine Corps (1109) /	Support Vehicles (5)					COMMERCI	AL PASSENGE	R VEHICLES		
Proc Oty Gross Cost 17.3 1.0 0.7 0.4 1.1 1.2 1.3 1.3 Cont Less PY Adv Proc Plus CY Adv Proc Net Proc (P-1) 17.3 1.0 0.7 0.4 1.1 1.2 1.3 1.3 Cont Initial Spares Total Proc Cost 17.3 1.0 0.7 0.4 1.1 1.2 1.3 1.3 Cont Flyaway U/C Wpn Sys Proc U/C Commercial Passenger Vehicles - Funds in this line are intended for replacement of centrally managed sedans, station wagons and buses at Marine Corpoverseas bases and stations. Commercial Passenger Vehicles are acquired through commercial contracting procedures. FY 05 Emergency Supplemental Funds Received: \$5.0M		ns, Forces (Marine Corps	,	Other Related Prog	ram Elements:						
Gross Cost 17.3 1.0 0.7 0.4 1.1 1.2 1.3 1.3 Cont Less PY Adv Proc Plus CY Adv Proc Net Proc (P-1) 17.3 1.0 0.7 0.4 1.1 1.2 1.3 1.3 Cont Initial Spares Total Proc Cost 17.3 1.0 0.7 0.4 1.1 1.2 1.3 1.3 Cont Flyaway U/C Wpn Sys Proc U/C Commercial Passenger Vehicles - Funds in this line are intended for replacement of centrally managed sedans, station wagons and buses at Marine Corpoverseas bases and stations. Commercial Passenger Vehicles are acquired through commercial contracting procedures. FY 05 Emergency Supplemental Funds Received: \$5.0M	Prior Ye	ears	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Less PY Adv Proc Plus CY Adv Proc Net Proc (P-1) 17.3 1.0 0.7 0.4 1.1 1.2 1.3 1.3 Cont Initial Spares Total Proc Cost 17.3 1.0 0.7 0.4 1.1 1.2 1.3 1.3 Cont Flyaway U/C Wpn Sys Proc U/C Commercial Passenger Vehicles - Funds in this line are intended for replacement of centrally managed sedans, station wagons and buses at Marine Corpoverseas bases and stations. Commercial Passenger Vehicles are acquired through commercial contracting procedures. FY 05 Emergency Supplemental Funds Received: \$5.0M											
Plus CY Adv Proc Net Proc (P-1) 17.3 1.0 0.7 0.4 1.1 1.2 1.3 1.3 Cont Initial Spares Total Proc Cost 17.3 1.0 0.7 0.4 1.1 1.2 1.3 1.3 Cont Flyaway U/C Wpn Sys Proc U/C Commercial Passenger Vehicles - Funds in this line are intended for replacement of centrally managed sedans, station wagons and buses at Marine Corpoverseas bases and stations. Commercial Passenger Vehicles are acquired through commercial contracting procedures. FY 05 Emergency Supplemental Funds Received: \$5.0M	ost 17.3	,	1.0	0.7	0.4	1.1	1.2	1.3	1.3	Cont	Cont
Net Proc (P-1) 17.3 1.0 0.7 0.4 1.1 1.2 1.3 1.3 Cont Initial Spares Total Proc Cost 17.3 1.0 0.7 0.4 1.1 1.2 1.3 1.3 Cont Flyaway U/C Wpn Sys Proc U/C Wpn Sys Proc U/C Commercial Passenger Vehicles - Funds in this line are intended for replacement of centrally managed sedans, station wagons and buses at Marine Corpoverseas bases and stations. Commercial Passenger Vehicles are acquired through commercial contracting procedures. FY 05 Emergency Supplemental Funds Received: \$5.0M	Adv Proc										
Initial Spares Total Proc Cost 17.3 Initial Spares Total Proc Cost Flyaway U/C Wpn Sys Proc U/C Commercial Passenger Vehicles - Funds in this line are intended for replacement of centrally managed sedans, station wagons and buses at Marine Corpoverseas bases and stations. Commercial Passenger Vehicles are acquired through commercial contracting procedures. FY 05 Emergency Supplemental Funds Received: \$5.0M	Adv Proc										
Total Proc Cost 17.3 1.0 0.7 0.4 1.1 1.2 1.3 1.3 Cont Flyaway U/C Wpn Sys Proc U/C Commercial Passenger Vehicles - Funds in this line are intended for replacement of centrally managed sedans, station wagons and buses at Marine Corp overseas bases and stations. Commercial Passenger Vehicles are acquired through commercial contracting procedures. FY 05 Emergency Supplemental Funds Received: \$5.0M	(P-1) 17.3	3	1.0	0.7	0.4	1.1	1.2	1.3	1.3	Cont	Cont
Flyaway U/C Wpn Sys Proc U/C Commercial Passenger Vehicles - Funds in this line are intended for replacement of centrally managed sedans, station wagons and buses at Marine Corp overseas bases and stations. Commercial Passenger Vehicles are acquired through commercial contracting procedures. FY 05 Emergency Supplemental Funds Received: \$5.0M	ares										
Wpn Sys Proc U/C Commercial Passenger Vehicles - Funds in this line are intended for replacement of centrally managed sedans, station wagons and buses at Marine Corpoverseas bases and stations. Commercial Passenger Vehicles are acquired through commercial contracting procedures. FY 05 Emergency Supplemental Funds Received: \$5.0M	oc Cost 17.3	3	1.0	0.7	0.4	1.1	1.2	1.3	1.3	Cont	Cont
Commercial Passenger Vehicles - Funds in this line are intended for replacement of centrally managed sedans, station wagons and buses at Marine Corpoverseas bases and stations. Commercial Passenger Vehicles are acquired through commercial contracting procedures. FY 05 Emergency Supplemental Funds Received: \$5.0M	U/C										
overseas bases and stations. Commercial Passenger Vehicles are acquired through commercial contracting procedures. FY 05 Emergency Supplemental Funds Received: \$5.0M	Proc U/C										
	eas bases and stations Emergency Supplement	s. Commercial Pass ental Funds Received	senger Vehicles are	acquired thro	ugh commer	cial contract	ting procedu	res.			

									Date:			
Exhib	oit P-40a, Budg	get Iter	n Justifica	tion for A	Aggrega	ted Item	S			Febru	ary 2006	
Appropriation / Budget Activity							P-1 Item Nomer					
Procurement, Marine Corps	(1109) / Communic	cations a	and Electronic	Equipment	(4)			COMM	ERCIAL PAS	SSENGER \	/EHICLES	
Procurement Items	Code	UOM	Prior Years	FY 2005	FY 2006	FY 2007					To Complete	Total Prog
Commercial Passenger Vehicles	А	D	17.3	1.0	0.7	0.4						
		Q										
Total			17.3	1.0	0.7	0.4						
Total			17.0	1.0	0.7	0.4						

	Exhibit P-4	l0, Budget Item Justifi	cation Sheet			Date:		February 2000	6	
Appropriation / Budget Activity. Procurement, Marine (/Serial No: Corps (1109) / Support Vehicles	(5)		P-1 Item Nomencla	ture:	COMMER	CIAL CARGO	VEHICLES		
Program Elements for Code B 0206496M Base Ope	Items: erations, Forces (Marine Corps)	Code:	Other Related Prog	ram Elements:						
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty										
Gross Cost	133.5	12.5	14.7	12.0	13.3	13.5	14.0	14.3	Cont	Cont
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	133.5	12.5	14.7	12.0	13.3	13.5	14.0	14.3	Cont	Cont
Initial Spares		0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Total Proc Cost	133.5	12.5	14.7	12.0	13.3	13.5	14.0	14.3	Cont	Cont
Flyaway U/C										
Wpn Sys Proc U/C										

Commercial Cargo Vehicles - Funds in this line are used for replacement of centrally managed general purpose heavy and light trucks and special purpose trucks; fire and refuse collection trucks; tanker trucks; and all types of trailers and motor scooters at bases and stations throughout the Marine Corps. Commercial Cargo Vehicles are procured through the General Services Administration, the Defense Supply Construction Center, and the U.S. Army Tank-Automotive Command.

Received \$1.2M in FY 2005 Supplemental Funding

Received \$3.5M in FY 2006 Title IX supplemental

Exhibit P-5, Weapon		Appropriation/ Bud	dget Activity/Serial I	P-1 Line I	tem Nomenclature	e:		Weapon System	Type:	Date:	
WPN SYST Cost Analysis		Procurement, Ma	rine Corps (1109) / /ehicles (5)	CC	DMMERCIAL C	ARGO VEHICLI	ES			Feb	ruary 2006
Weapon System	ID	PYs	, ,	FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Vehicle, Troop Transport (G0202)											
Utility Vehicles, 4x4 (G0500)											
Van, 8-Passenger (G0501)		322	77	4	19250	78	4	19,526	120		
Van, Cargo Compact (G0503)		21	84	4	21000	86		21,560	110	5	21,927
Utility Vehicle, 4x2 (G0505)		50	104	4	26000	106	4	26,442	134	5	26,892
Pickup, 1/2-T, (G0601)		90	58	5	11600	59	5			5	11,998
Trk, Gen. Maint. 1/2-T, (G0603)		123	90	5	18000	73	4	18,306		5 3	18,617
Pickup, 3/4-T, 4 Dr (G0701)		188	110	4	27500	112	4	28,069		4	28,546
Trk, Gen. Maint. 1-T, (G0803)		61	61	3	20333	63	3	21.019			21,376
Pickup, 1-T, 4x4 (G0805)		-	72	3	24000	73	3				24,823
Van, Cargo, 1-T, (G0810)				Ŭ	24000		Ŭ	24,400			24,020
Wrecker, 1-T, 4x2 (G0812)		382	198	3	66000	201	3	67,122	137	2	68,263
Van, 15-Passenger (G0825)		154	91	4	22750	92	4	23.052			23,444
Trk, Stake, 1 1/2-T, (G0904)		176	91	4	22750	92	4	23.052	94	4	23,444
Trk, Stake, 1 1/2-1, (G0904) Trk, Stake, 1 1/2-T, (G0905)		101	105	3	35000	107	3	35,595	_		36,200
Trk, Dump, 2-T (G0922)		18	54	3	18000	55	3	18,306		J 3	30,200
Trk, Stake, 2-T, (G0922)		196	136	2	68000	138	2	69,156		2	70,332
Trk, Stake, 2-1, (G0923) Trk, Van, 2-T (G0924)		122	156	5	31200	150	5	31.781	162		32,321
Trk, Vall, 2-1 (G0924)		82	167	4		170	4	- , -			,
Trk, Refrigerator 2-T (G0925)		794	124	4	41750 31000	_		42,375	129		43,095
Trk, Cargo, 3-T, (G1101)		823	114	3		116		0.,0=.			32,250
Trk, Van, 3-T, (G1102)		432	441	3	38000 147000	448		38,646		3	39,303
Trk, Line Maint, 3-T, (G1104)		297	68	2		34	1	,	70		152,040
Trk, Stake, 3-T, G1106)		297 277	423	3	34000	430	3	34,500	438		
Trk, Aerial Boom 3-T (G1116)				3 4	141000		4	143,397			- ,
Trk, Refrigerator, 3-T, (G1118)		68 402	280	4	70000	285	4	71,190	217	3	72,400
Trk, Line Maint, 3-T, 4x4 (G1124)		402									
Trk, Lube, 3-T, 4x4 (G1125)		475									
Trk, Cargo, 3-T, 4x4 (G1128)		175									
Trk, Dump, 5-T (G1201)		180	404	0	0	400	_		407		
Trk, Tractor, 5-T (G1202)		61	184	3	61500	188	3	62,546			63,609
Trk, Garbage, 5-T (G1204)		4	218	2	109000	222	2			2	,
Trk, Dumpster, 5-T (G1206)		177	182	2	91000	278	3	92,547	282	3	94,120
Trk, Aerial Boom, 5-T (G1209)		111					_				
Wrecker, 5-T, 4x2 (G1211)		114	116	2	58000	177	3	,		_	
Wrecker, 5-T, 6x4 (G1212)			203	2	101500	206	2	103,150	315	3	105.110
Trk, Sewer Maint (G1214)											
Trk, Aerial Boom 5-T, 6x4 (G1215)		161									
Trk, Line Maint, 5-T, 4x2 (G1217)		379	581	3	193667	394	2	196,790			200,135
Trk, Dump, 5-T, 6x4 (G1226)		125	86	2	43000	87	2	43,731	89		
Trk, Stake, 5-T, 6x4 (G1227)			190	4	47500	193	4	48,308	197	4	49,129
SUBTOTAL		6662	4864			4848			4822		

Exhibit P-5, Weapon			,	P-1 Line I	tem Nomenclature	e:		Weapon System	Туре:	Date:	
WPN SYST Cost Analysis			rine Corps (1109) / 'ehicles (5)	CC	OMMERCIAL C	ARGO VEHICLI	ΞS			Feb	ruary 2006
Weapon Svstem	ID	PYs		FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Trk, Stake, 5-T (G1228) Trk, Dump, 10-T, 6x4 (G1301) Trk, Tractor, 7 1/2-T, (G1302) Trk, Tractor, 15-T, 6x4 (G1304) Trk, Tractor, 10-T, (G1306) Trk, Dumpmaster, 10-T, (G1307) Wrecker, 10-T, 6x4, (G1308) Trk, Tank, 2000 Gal, (G1402) Trk, Tank, 2400 Gal, 6x4, (G1404) Trk, Tank, 1200 Gal, (G1406) Trk, Water, 2000 Gal, 6x4 (G1408) Trk, Tank, 1000 Gal, (G1409) Trk, Tank, 5000 Gal, 6x4 (G1415) Trk, Fire, Class A Pumper (G1501) Trk, Fire Ladder (G1502) Trk, Fire Brush, 6x6 (G1510 Crash Fire Rescue (CFR) Nurse Unit (G1511) Trk, CFR, P-19 (G1513) Trailer, Semi, 20-T, (G1623) Trailer, Semi, 36-T (G1626) Scooter, Elec. Cargo (G2400) Scooter, Fuel, Cargo (G2401) Snowmobile (G2410)		120 224 172 459 105 105 131 209 9956 286 408 328 2044 70 75 550 99 36	468 428 321 214 201 214 324 1792 420 671 798 0 152 154 55	3 4 3 2 2 3 2 2 7 2 3 4 7 0 4 11 7	156000 107000 107000 107000 67000 162000 256000 146000 140000 167750 114000 38000 14000 7857	218 218 218 330 1823 297 635 682 810 24 155	2 3 2 2 2 2 7 2 3 4 7 1 4 12 10	108,819 108,819 108,819 108,819 164,754 260,429 148,482 211,536 170,517 115,768 24,408 38,646 14,136	221 664 221 335 1853 302 645 694 824 25 157 431	3 2 6 2 2 7 7 2 3 4 7 1 4 30	110,669 110,669 110,669 110,669 167,555 264,778 151,006 215,132 173,416 117,736 24,823 39,303 14,376
SUBTOTAL		15376	6504			6303	63		7213		
TRK, P-19A Aircraft Firefighting SLEP		1072							0		
IFAV		331	0			0			0		
TRK, FIREFIGHTING			1170			0			0		
TRK, FIRE FIGHTING, Acft & Structure			0			3500			0		
TOTAL Active Reserve		22369 22369	12538 12538			14651 14651			12035 12035		

	Exhibit P-4	0, Budget Item Justifi	cation Sheet			Date:		February 200	06	
Appropriation / Budget Activity				P-1 Item Nomencla	ature:			, , , ,		
Procurement, Marine Corps (1	1109) / Support Vehicles (5)					5	/4T TRUCK HMMW	VA2		
Program Elements:		Code:	Other Related Prog	gram Elements:						
0206315M Fo	orce Service Support Group	A								
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty	9200	3611	2763	851	596	1211	1143	1216	Cont	Cont
Gross Cost	642.9	440.1	271.4	72.4	53.7	112.6	109.8	109.6	Cont	Cont
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	642.9	440.1	271.4	72.4	53.7	112.6	109.8	109.6	Cont	Cont
Initial Spares	2.4	3.3	0.3	0.0	0.2	0.0	0.0	0.0	Cont	Cont
Total Proc Cost	645.2	443.4	271.7	72.4	53.8	112.6	109.8	109.6	Cont	Cont
Flyaway U/C										
Wpn Sys Proc U/C										

HMMWVA2: The A2 series HMMWV improves safety, reliability, availability, maintainability, durability and provides a variety of wheeled platforms: cargo/troop carrier, armament carrier, Tube-Launched, Optically-Tracked, Wire-Guided (TOW) missile carrier, shelter carrier, and two ambulance variants (one carrying two litters and one carrying 4 litters). Major improvements include: 15-year corrosion prevention, upgraded braking system, 3-point seat belts, 6.5 liter EPA certified diesel engine, electronically controlled transmission and a new engine electrical start system. The HMMWVA2 has an estimated Economic Useful Life of 15 years. This procurement was approved via an Acquisition Decision Memorandum signed 22 April 1998.

M1114 HMMWVs: M1114 HMMWVs are an Up-Armored Armament Carrier configuration of the HMMWV family. The vehicles are equipped with additional armor both on the sides and underneath to protect the crew from small arms ammunition and mines. They also provide ballistic, artillery, and mine blast protection to the vehicle occupants. The principal modifications to the ECV HMMWV include an armor package, high capacity brakes, upgraded suspension and lift points, a reinforced frame, and a large capacity air conditioning unit. The weapon mount, located on the roof of the vehicle, is adaptable to mount either the M60, 7.62mm machine gun; M2 .50 caliber machine gun; or the MK 19 Grenade Launcher. The weapons platform can be traversed 360 degrees. This configuration of the HMMWV is equipped with the self-recovery winch.

M1151/52 Expandable Capacity Vehicle (ECV): The M1151 and M1152 is an improved version of the standard HMMWV with a heavier chassis and improved engine that enables the use of removable add-on-armor protection that provides greater flexibility when deploying units.

MARINE CORPS TRANSPARENT ARMORED GUN SHIELD (MCTAGS): MCTAGS is a transparent armor (ballistic glass) that allows for continual observation and increased security, while providing 360-degree ballistic and Improvised Explosive Device (IED) fragmentation protection.

Received \$216.8M in FY05 Supplemental.

Received \$178.7M in FY06 Title IX Supplemental.

Exhibit P-5, Weapon System Cost Analysis			dget Activity/Serial N rine Corps (1109) / S		P-1 Line Item Non 5/4T T	menclature: RUCK HMMWVA2	2	Weapon System	Туре:	Date: Febr	ruary 2006
Weapon System	ID	Prior Yrs		FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
HMMWV A2 Variants HMMWV 1151/1152 * HMMWV M1114 - Up Armored Vehicles HMMWV MCTAGS HMMWV ILS & Engineering	A	123912 1569	121706 301941 15188 1253	1763 1848 821		187584 81486 2359	2239 524	83780 150000	69888 2474		82125
TOTAL Active Reserve		125481 110497 14984	440088 418837 21251			271429 254522 16907			72362 54591 17771		
* MCCDC determining quantities per HMMWV vand armor requirement/configuration. Quantities above are based on M1151/52 costs with no additional armor.		nt									

_								Date:		
	hibit P-5a, Budget Procurement				T:			Fe	ebruary	2006
Appropriation / Budget Activity/Serial No:		Weapon Syst	em Type:		P-1 Line Item					
Procurement, Marine Corps (11	09) / Support Vehicles (5)						5/4T TRUCK HMM\	NVA2		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Iss
Fiscal Years		and Type			Delivery	Each	\$	Avail:	Avail	Date
FY05										
HMMWV A2 Variants	AM General Corp, South Bend, IN	FFPO	TACOM, Warren, MI.	Nov-04	Dec-04	1763	69033	Yes	N/A	N/A
HMMWV M1114 - Up Armored Vehicles	AM General Corp, South Bend, IN	FFPO	TACOM, Warren, MI.	Jan-05	Jun-05	498	163388	Yes	N/A	N/A
HMMWV M1114 - Up Armored Vehicles	AM General Corp, South Bend, IN	FFPO	TACOM, Warren, MI.	Jul-05	Sep-05	48	163388	Yes	N/A	N/A
HMMWV M1114 - Up Armored Vehicles	AM General Corp, South Bend, IN	FFPO	TACOM, Warren, MI.	Aug-05	Dec-05	1302	163388	Yes	N/A	N/A
HMMWV MCTAGS	BAE Systems, Santa Clara, CA	FFP	MCSC, Quantico, VA	Aug-05	Dec-05	821	18499	Yes	N/A	Jul-05
FY06										
HMMWV M1151/1152 ECVs (see Note 2)	AM General Corp, South Bend, IN	FFPO	TACOM, Warren, MI.	Feb-06	Mar-06	2239	83780	Yes	N/A	N/A
HMMWV M1114 - Up Armored Vehicles	AM General Corp, South Bend, IN	FFPO	TACOM, Warren, MI.	Mar-06	Jun-06	524	150000	Yes	N/A	N/A
FY07										
HMMWV M1151/1152 ECVs (see Note 2)	AM General Corp, South Bend, IN	FFPO	TACOM, Warren, MI.	Nov-06	Dec-06	851	82125	Yes	N/A	N/A

REMARKS:

Note 1- The US Army awarded a follow-on HMMWV five-year FFPO contract during FY 01 that will employ reduced pricing in return for increased procurement quantities (economic order quantity). Variation in unit prices reflects increased/decreased pricing for economic orders within the FYDP.

Note 2- MCCDC determining quantities per HMMWV variant and armor requirement/configuration. Quantities above are based on M1151/52 costs with no additional armor requirement.

Appropriation Code(CCFBASA/Mem Control No. Procurement, Marine Corps (1109) / Support Vehicles (5)	FY 07 BUDGET EXHIBIT P	-21, PRODUCTION	SCH	EDUL	-E																Date	٠.				Feb	ruar	200)6				
PRODUCTION RATE PROCUREMENT LEADTIMES Reorder TOTAL Measurement NAME LOCATION MSR ECON MAX ALT Prior ALT After Initial Reorder TOTAL Measurement NAME LOCATION MSR ECON MAX ALT Prior ALT After Initial Reorder TOTAL Measurement NAME LOCATION MSR ECON ECO	Appropriation Code/CC/BA/BSA/Iter	m Control No.						Wea	pon	Syste	m				P-1 I	tem l	Nome	encla	ture:										_				
Manufacturers NAME LOCATION MSR ECON MMX ALT Prior Cat Mig PLT Mig PLT Mig PLT TOTAL Measure Mig PLT Mig PLT Mig PLT TOTAL Mig PLT	Procurement, Marine Corps (1109)	/ Support Vehicles (5)																			5/	4 Tı	ruck	: HN	M۱V	VVA	۱2						
Manufactaristry Manufactaristry Mark Mark Mark Mark Manufactaristry Mark								Pl	ROD	UCT	ION	I RA	E			PF	ROC	URE	MEN	IT LE	EAD	TIMI	ES										
Mageneral Corp. South Bend, IN												l		AL	T Pr	ior	AL	T Af	ter	I	nitia		R	eor	der					ι	Jnit c	of	
HMMWV MCTAGS BAE Systems, Santa Clara, CA 10 100 100 1000 1 1 1 2 E E E E E E E E E	ITEM	Manufacturer's NAME	/ LOCATION	ON				M	SR	EC	ON	M.	AX							Mt	fg Pl	_T	M	lfg F	LT		Т	ОТА	١L	Ν	/leas	ure	Ļ
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Flyaway U/C Solution	To Complete ass, ballistic bla	621.3 621.3 - 621.3
Program Element:	-	621.3 621.3 - 621.3
A Prior Years FY 2005 FY 2006 FY 2007 FY 2008 FY 2009 FY 2010 FY 2011	-	621.3 621.3 - 621.3
Prior Years FY 2005 FY 2006 FY 2007 FY 2008 FY 2009 FY 2010 FY 2011	-	621.3 621.3 - 621.3
Proc Qty Gross Cost 252.5 368.8 - <th>-</th> <th>621.3 621.3 - 621.3</th>	-	621.3 621.3 - 621.3
Gross Cost 252.5 368.8 - - - - - - - - -	-	621.3
Plus CY Adv Proc Image: Cy	-	- 621.3
Net Proc (P-1) 252.5 368.8 -	-	621.3
Net Proc (P-1) 252.5 368.8 -	-	- 621.3
Initial Spares	-	621.3
Total Proc Cost Plyaway U/C Wpn Sys Proc U/C This funding procures interim and near-term zonal armor solutions to protect against the immediate threats faced by forward deployed forces, e.g. ballistic gla		
Flyaway U/C Wpn Sys Proc U/C This funding procures interim and near-term zonal armor solutions to protect against the immediate threats faced by forward deployed forces, e.g. ballistic gla	ass, ballistic bla	
Wpn Sys Proc U/C This funding procures interim and near-term zonal armor solutions to protect against the immediate threats faced by forward deployed forces, e.g. ballistic gla	ass, ballistic bla	ankets,
This funding procures interim and near-term zonal armor solutions to protect against the immediate threats faced by forward deployed forces, e.g. ballistic gla	ass, ballistic bl	ankets,

Exhibit P-5, Weapon		Appropriation/ Bu	dget Activity	/Serial No:			P-1 Line Item No			Weapon System	Туре:	Date:	
WPN SYST Cost Analysis		Procurement, Ma		1109) / Support Ve	ehicles (5)		MOTOR TRAI	NSPORT MODIFIC				Feb	ruary 2006
Weapon System	ID		FY 05			FY 06			FY 07				
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Ballistic Protection- HMMWV		10000	*	VAR									
Ballistic Protection- MTVR		26600	**	VAR									
HMMWV Armor Kits (GWOT)		2500	*	VAR									
HMMWV Armor Kits\ Fabrication (GWOT)		23300	*	VAR									
Integrated Armor Kits\HMMWV		85700	*	VAR									
MTVR Armor Kits & Fab (OIF)		169600	**	VAR									
MTVR Armor Kits (GWOT)		26200	**	VAR									
MTVR Armor Kits\Fabrication		24900	**	VAR									
Total		368800	7400										
* Part of 5550 MAK (HMMWV Armor) Total ** Part of 1850 MAS (MTVR Armor) Total re													
,	ĺΙ												
									I				

	Exhibit P-5a, Budget Procurement	History an	nd Planning					Date:	F-1	2000
Appropriation / Budget Activity/Serial No:	Exhibit 1 ba, Baaget 1 reductioner	Weapon Syst			P-1 Line Item	Nomenclature:			February :	2006
	s (1109) / Support Vehicles (5)		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		i i Line item		TRANSPORT MO	DIFICATIO	NS	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issu
Fiscal Years		and Type			Delivery	Each	\$		Avail	
FY05 ARMOR HMMWV MAK	Maintananae Center, Albany CA		Albany CA	0 0 0 0 1	Nov. 04	2000	\/A.D.	Υ	NI/A	Oot C
	Maintenance Center, Albany GA		Albany GA	Oct-04	Nov-04	2000	VAR		N/A	Oct-0
ARMOR MTVR MAS	OshKosh Truck Coporation, Wisc		MCSC, Quantico VA	Sep-04	Feb-05	796	VAR	Y	N/A	Sep-0
FY05 (Received 9/04)										
ARMOR HMMWV MAK	Maintenance Center, Albany GA		Albany GA	Feb-05	Mar-05	1100	VAR	Υ	N/A	Oct-0
ARMOR MTVR MAS	OshKosh Truck Coporation, Wisc		MCSC, Quantico VA	Feb-05		124	VAR		N/A	Sep-0
ARMOR WITTEN MAS	Oshikosh Huck Coporation, Wisc		MCSC, Quantico VA	Feb-05	1404-03	124	VAIN	l '	IN/A	Sep-c
FY05 Supplemental (Received 5/05)										
ARMOR HMMWV MAK	Maintenance Center, Albany GA		Albany GA	May-05	Jul-05	2450	VAR	Υ	N/A	Oct-0
ARMOR MTVR MAS	OshKosh Truck Coporation, Wisc		MCSC, Quantico VA	Aug-05		930	VAR		N/A	Sep-
A CONTRACTOR OF THE CONTRACTOR	Oshikoshi Truck Ooporation, wise		Weee, Quantice V/	Aug-03	1 00 00	330	V/11X	l '	14// (ОСР
REMARKS:		-								

	Exhibit P	-40, Budget Item Justifi	cation Sheet	:		Date:		February 200	6	
Appropriation / Budget Activity/	Serial No:			P-1 Item Nomencla	iture:					
Procurement, Marine	e Corps (1109) / Support Ve	ehicles (5)			MEDIUN	M TACTICAL	VEHICLE RE	PLACEMENT	Γ (MTVR)	
Program Elements for Code B	Items:	Code:	Other Related Prog	ram Elements:						
		A								
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty	6393									6393
Gross Cost	1164.9	210.8	275.0	0.7	0.7	0.9	1.2	1.2	0.0	1655.3
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	1164.9	210.8	275.0	0.7	0.7	0.9	1.2	1.2	0.0	1655.3
Initial Spares	33.1	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.5
Total Proc Cost	1198.0	216.2	275.0	0.7	0.7	0.9	1.2	1.2	0.0	1693.8
Flyaway U/C										
Wpn Sys Proc U/C										

The MTVR is U.S. Marine Corps program to replace the existing medium tactical motor transport fleet of M809/M939 series trucks with cost-effective, state-of-the-art technologically improved trucks. The MTVR will have 22 years of economic useful life and markedly improved performance plus Reliability, Availability, Maintainability and Durability (RAM-D). Major improvements include a new electronically controlled engine/transmission, independent suspension, central tire inflation, antilock brakes, traction control, corrosion control, and safety/ergonomic features.

The production contract is an Army multi-year fixed price contract with an economic price adjustment.

MTVR Marine Armor System (MAS) Kits - The kits provide interim and near-term zonal armor solutions to protect against the immediate threats faced by forward deployed forces, e.g. ballistic glass, ballistic blankets, ceramic armor panels, armor plate doors and armor fender well plates.

MARINE CORPS TRANSPARENT ARMORED GUN SHIELD (MCTAGS): MCTAGS is a transparent armor (ballistic glass) that allows for continual observation and increased security, while providing 360-degree ballistic and Improvised Explosive Device (IED) fragmentation protection.

\$199.4M Received in FY05 supplemental

\$275M received in FY06 Title IX supplemental

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budg Procurement, I			support Vehicles	s (5)		enclature: TACTICAL VEHIO CEMENT (MTVR		Weapon System Ty	/pe:	Date: Feb	ruary 2006
Weapon System	ID		FY 05			FY 06	INET EX	OLIVILIAI (WI) VIX	FY 07				
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
MTVRs (Wrecker/Dump/Cargo Variants) MTVR Armor Installation/Support MTVR MCTAGS MTVR MAS Armor Kits		177258 15630 17908		213050 VAR 21946		392 726		656	3	218667			
TOTAL Active		210796			275000			656					
Reserve													

	Exhibit P-5a, Budget Procurement H	istory an	d Planning					Date:	- hruor:	2006
Appropriation / Budget Activity/Serial No: Procurement, Marine Cor	ps (1109) / Support Vehicles (5)	Weapon Syst				Nomenclature	: L VEHICLE RE		ebruary EMENT	
VBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost	Specs Avail?	Date Revsn Avail	RFP Is
ATVD. Occurs Truster										
ITVR - Cargo Trucks Y05	OshKosh Truck Corp. OshKosh, WI	FFPO	MARCORSYSCOM	Jul-05	Jan-06	832	213050	Yes	N/A	N/
ITVR - Wrecker/Cargo Trucks										
FY06	OshKosh Truck Corp. OshKosh, WI	FFPO	MARCORSYSCOM	Mar-06	Jun-07	392	223214	Yes	N/A	N/
FY07	OshKosh Truck Corp. OshKosh, WI	FFPO	MARCORSYSCOM	Dec-06	Mar-06	3	218617	Yes	N/A	N/
MTVR MCTAGS										
FY05	BAE Systems, Santa Clara, CA	FFPO	MARCORSYSCOM	Aug-05	Jan-06	816	21946	Yes	N/A	Jul
MAS Kits										
FY06	OshKosh Truck Corp. OshKosh, WI	FFPO	MARCORSYSCOM	Mar-06	Jun-07	726	258264	Yes	N/A	Sep-
REMARKS:										<u> </u>
ALIMANIO.										

EV AZ BUDGET EVIJIDIT D	24 DRODUCTIO	N CCI	IEDI																	Date	۸٠										
FY 07 BUDGET EXHIBIT P-	21, PRODUCTIO	JN SCI	перс	,LE																Date	··			Fe	ebrua	ry 2	006				
Appropriation Code/CC/BA/BSA/Item							Wea	pon S	Syste	m				P-1	Item	Nom															
Procurement, Marine Corps (110	9) / Support Vehic	cles (5)															MEI	NUIC	1 TA	CTIC	CAL V	/EHIC	LE F	REP	_ACI	<u>EME</u>	NT (MTV	R)		
							PF	ROD	UCT	ION	RAT	Ē			F	PRO	CUR	EME	NT I	_EAl	DTIM	ES									
	Manufacturer's NAI	ME / LOCAT	TION				M	SR	EC	ON	MA	١٧	AL	ΤP	rior	AL	ΤA	ter		Initia	al	R	eorde	er					Unit	of	
ITEM	Manufacturer 5 NAI	VIE / LOCA	TION				IVI	SIX		OIN	IVIZ	1/1	to	Oct	t 1	(Oct :	1	M	fg P	LT	M	fg PL	Т.		TO	TAL		Mea	asure	Э
MTVR Cargo Trucks	OSHKOSH, Oshl	kosh, WI					1	0	17	75	22	25					2			6							6			Е	
MTVR MCTAGS	BAE SYSTEMS,	Santa Clar	ra, CA				1	5	45	50	50	00					3			5							8			Е	
MAS Armor Kits	OSHKOSH, Oshl	kosh, WI					2	0.	16	60	24	10					2			15						1	17			Е	
MTVRs (Wrecker/Cargo)	OSHKOSH, Oshl	kosh, WI					1	0	17	75	22	25					2			15						1	17			Е	
										Fi	scal `	Year	05										Fis	cal Y	ear 0	6					B A
														Cal	lenda	ır Ye	ar 05							C	alend	ar Y	ear 0	6			L A
			S	Q	D	В	0	N	D	J.	F	М	Α	М	J.	.l	Α	S	0	N	D	J	F	М	Α	М	ı,	J.	Α	S	N C
		F Y	V	Т	E	Α	С	0	Е	A	Е	Α	Р	Α	Ü	Ü	U	Ε	С	0	Е	A	E	Α	Р	Α	Ü	Ü	U	E	E
ITEM			С	Υ	L	L	Т	V	С	N	В	R	R	Υ	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	Р	
MTVR Cargo Trucks		FY05	_	832	0	832										Α						12	31				50	50	50	50	445
MTVR MCTAGS		FY05	MC	816	0	816											Α					20	180	300	240	76	Ш	Ш			0
																									<u> </u>	<u> </u>		Ш			
MAS Armor Kits		FY06		726	0	726																		A	<u> </u>	—	Ш	lacksquare	—		726
MTVRs (Wrecker/Cargo)		FY06	MC	392	0	392																	-	Α	 	├─	igwdapprox	igwdapprox	\longrightarrow	-	392
		<u> </u>																							<u> </u>	 	Н	\vdash	\dashv		
		<u> </u>								Fi	scal `	Year	07										Fis	cal Y	ear 0	8					В
													•	Cal	lenda	ır Ye	ar 07							-	alend		ear 0	8			A L
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		F Y	S V	Q T	D E	B A	0 C	N O	D E	J A	F E	M A	A P	M A	Ŋ	J	A U	S E	O C	N O	D E	J A	F E	M A	A P	M A	J	U	A U	S E	C E
ITEM		,	С	Υ	L	L	Т	V	С	N	В	R	R	Υ	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	Р	
MTVR Cargo Trucks		FY05	MC	832	387	445	55	55	55	55	55	57	55	58																	0
																									<u> </u>	<u> </u>	Ш	Ш			
MAS Armor Kits		FY06		726	0	726									22	22	42	80		80	80	80	80			<u> </u>		Ш			0
MTVRs (Wrecker/Cargo)		FY06	MC	392	0	392									10	10	30	31	31	40	48	48	48	48	48	<u> </u>	igwdapprox	igspace			0
MTVRs (Wrecker/Cargo)		FY07	MC	3	0	3			Α															2	1	\vdash	$\vdash\vdash$	$oldsymbol{oldsymbol{arphi}}$	\dashv		0
mi. vita (viicokei/caigo)		1 107	IVIO		0.10.10	J	.	ب	А	Щ.				<u> </u>		Ц.	<u> </u>	پيا		00	Щ.		Ļ		<u></u> _	<u></u>	لببا	بب	—		0

REMARKS: MTVR MCTAGS production configuration is the same as the other USMC MCTAGS vehicle platforms. The production rates identified refer to all MCTAGS production units. FY05 Supplemental received in May 2005. Admin Lead Time is computed from Dec, vice Oct.

	Exhil	oit P-40, Budget	Item Justific	cation Sheet			Date:		February 2006	6	
Appropriation / Budget Activity	/Serial No:				P-1 Item Nomencla	ture:					
Procurement Marine Corps (17	109)/ Support Vehicles (5)						Li	ghtweight Prime Mov	/er		
Program Elements:			Code:	Other Related Prog	ram Elements:						
			А								
	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty											
Gross Cost	0.0		0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	3.3
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	0.0		0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	3.3
Initial Spares	0.0										
Total Proc Cost	0.0		0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	3.3
Flyaway U/C											
Wpn Sys Proc U/C											

battery support of the Marine Expeditionary Units (MEU) as a part of the vertical assault element of a Ship to Objective Maneuver (STOM) force. It will be light enough to be lifted by the MV-22 aircraft, yet have the capability to tow the LW-155 howitzer.

	Exhibit P-40), Budget Item Justifi	cation Sheet			Date:		February 200	6	
Appropriation / Budget Activity	//Serial No:			P-1 Item Nomencla	ature:	•				
Procurement, Marine (Corps (1109) / Support Vehicles (5	()			LC	OGISTICS VEH	IICLE SYSTEM	I REPLACEME	NT	
Program Elements:		Code:	Other Related Prog	gram Elements:						
020631	5M Force Service Support Group	A								
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY2010	FY 2011	To Complete	Total Prog
Proc Qty										
Gross Cost	34.1	94.5	31.4	68.8	112.8	248.9	179.2	161.3	Cont	Cont
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	34.1	94.5	31.4	68.8	112.8	248.9	179.2	161.3	Cont	Cont
Initial Spares		0.1	0.0	0.0	5.8	5.4	4.7	0.0		
Total Proc Cost	34.1	94.6	31.4	68.8	118.6	254.3	184.0	161.3	Cont	Cont
Flyaway U/C										
Wpn Sys Proc U/C										

Logistical Vehicle System Replacement (LVSR): The LVSR line is a roll-up line and the funds in this budget line will permit the procurement of the following:

Aviation Refueler Capability (ARC): The ARC is a state of the art commercial 5,000 gallon aviation refueling system, modified for Marine Corps use to replace the M970 semi trailer refueler in the Marine Air Wings. Key features include under/overwing refueling and defueling. Unlike the M970 refueler the ARC vehicle is self propelled, and operable on JP5 fuel, JP8 fuel and diesel fuel. The vehicle is blackout capable, compatible with all North Atlantic Treaty Organization and Department of Defense aircraft, and fully transportable by C141 aircraft, Maritime Prepositioning Force (MPF) and commercial shipping.

Logistical Vehicle System Replacement (LVSR): The LVSR will replace the LVS legacy fleet as the Marine Corps' heavy tactical logistics vehicle. The fleet will be composed of three variants to replace the 5 LVS variants. Cargo, 5th Wheel and Wrecker Variants will be procured. The LVSR will conduct the same missions as the current LVS fleet with the exception that the vehicle will be capable of handling payloads of 16.5 tons off road and will be more mobile.

Flatrack Refueling Capability (FRC): The Flatrack Refueling Capability (FRC) will consist of a 2500 gal (threshold) - 3000 (objective) gal tank, an onboard pump, filter assembly, and required hoses and equipment. The FRC will be able to provide refueling support to Marine Corps forces in unimproved locations. The FRC is a LVSR-compatible system designed to provide overwing and underwing refueling and defueling for aircraft, and to provide refueling capability for the Force Service Support Group (FSSG) to meet its cross country requirements.

MARINE CORPS TRANSPARENT ARMORED GUN SHIELD (MCTAGS): MCTAGS is a transparent armor (ballistic glass) that allows for continual observation and increased security, while providing 360-degree ballistic and Improvised Explosive Device (IED) fragmentation protection.

This line includes \$91.2M of FY05 Supplemental

As a result of the analyses covering the Demand on Equipment (DOE), combat losses, Principle End-Item (PEI) rotation and the Bulk Liquid Transportability Studies, this funding procures enhanced capability across the Heavy Fleet in the following areas:

- a) MTVR Tractors and armor that will be associated with a like number of M969/M970s that will provide the Marine Corps with an enhanced/reliable refueling system.
- b) M969 and MK970 Semi Trailer Refuelers that provide the aviation refueling/defueling capability identified as a shortfall during the Bulk Liquid Transportability Study.
- c) Remanufacture of Aviation Refueler Capabilty (ARC) trucks under the PEI rotation plan for assets returning from the war zone.
- d) M1077 Flatracks for use with the current Logistics Vehicle System (LVS) and the future Logistics Vehicle System Replacement (LVSR).
- e) LVS Marine Armor Kit (MAK) which provides vehicle hardening protection against fragmentation effects of IEDs, mines, and unexploded ordnance/sub muntions.

Received \$3.5M in FY06 Title IX Supplemental

							Date:				
Exhibit P-40a	ı, Bud	get Ite	m Justificat	tion for A	ggregated	l Items			February 20	006	
Appropriation / Budget Activity Procurement, Marine Corps (1109) / Support Vehicles (5)						P-1 Item Nome	OGISTICS VE	HICLE SYST	EM REPLAC	EMENT	
Procurement Items	Code	UOM	Prior Years	FY 2005	FY 2006	FY 2007				To Complete	Total Prog
Aviation Refueler (ARC)	Α	D	20.2	3.2	1.0	0.0					
		Q	115	19	3						
Total			20.2	3.2	1.0	0.0		-			
i otai:	5		20.2	3.2	1.0	0.0					

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu Procurement, I Suppo		(1109) /		nenclature: S VEHICLE SYS PLACEMENT		Weapon System	Туре:		uary 2006
Weapon System	ID	Prior Yrs		FY05			FY06			FY07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
LVSR Cargo Variants	Α					6536	19	344000	43340	123	352358
Modification Kits			132			1000			3185		
Integrated Logistics Support									2205		
Technical Publications/ITEMs						9002					
LMI						1714					
School House/Interactive Courseware/						0					
Automated Electronic Classroom Training						3765					
Factory Training						1573					
Special Purpose Tools & Test Equip						11			39		
Travel						50			33		
Engineering Change Proposals						1619					
Federal Retail Excise Tax (FRET)						1590			5764		
First Article Test									7068		
Heavy Fleet Aug (formerly LVS Interim Tractor)											
MTVR Tractor w/Armor			47821	130	367854						
M1077 Flatracks			7881	1000	7881						
M970 Semi Trailers			206	2	103000						
MK970 Semi Trailer Refueler			17000		129771	3500	16	218750			
ARC SLEP			250								
LVS MAK			6500		VAR						
LVS MCTAGS			7370		27398						
Engineering Support			4125								
Total			91285			30360			61634		

Exhibit P-5, Weapon WPN SYST Cost Analysis		Procuremen	dget Activity/Serial I it, Marine Corps (port Vehicles (5)		P-1 Line Item No LOGISTIO RI	menclature: CS VEHICLE SYS' EPLACEMENT	TEM	Weapon System	Туре:	^{Date:} Febr	uary 2006
Weapon System	ID	Prior Yrs		FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Flatrack Refueling Capability (FRC) Engineering Change Proposals First Article Test Tool Kits Integrated Logistics Support Technical Publications Training Direct Cite Travel	A								1824 5 432 121 956 3671 36 34		152000
Engineering Support									72		
Total									7151		

	Exhibit P-5a, Budget Procurement	History a	and Planning					Date:	ebruary	2006
Appropriation / Budget Activity/Serial No:		Weapon Syst			P-1 Line Item No	omenclature:			bidaiy	2000
· · · · · · · · · · · · · · · · · · ·	(1109) / Support Vehicles (5)		,,				HICLE SYSTE	M REPL	.ACEMI	ENT
/BS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Is
iscal Years		and Type			Delivery	Each	\$	7170	Avail	Dat
FY05 Supplemental										
MTVR Tractor w/Armor	Oshkosh Truck, Oshkosh, WI	FFP	MARCORSYSCOM	Sep-05	Sep-06	130	367854	Yes	N/A	N/
M1077 Flatracks	Summa Tech, Huntsville, AL	FFP	MARCORSYSCOM	Sep-05	Dec-05	1000	7881	Yes	N/A	N/
M970 Semi - Trailer Refuelers	Heil Tractor, Athens, GA	FFP	MARCORSYSCOM	Jul-05		2	103000	Yes	N/A	N/A
MK970 Semi Trailer Refueler	Heil Tractor, Athens, GA	FFP	MARCORSYSCOM	Sep-05		131	129771	Yes	N/A	N/
ARC SLEP	Isometrics, Inc., Reidsville, NC	FFP	MARCORSYSCOM	Sep-05		10	25000	Yes	N/A	N/
LVS MAK	MCLB, Albany	WR	MCLB, Albany	Aug-05		300	VAR	N/A	N/A	N/
LVS MCTAGS	BAE Systems, Santa Clara, CA	FFP	MARCORSYSCOM	Aug-05		269	27398	Yes	N/A	Jul-
FY06 Supplemental										
MK970 Semi Trailer Refueler	Heil Tractor, Athens, GA	FFP	MARCORSYSCOM	Aug-06	TBD	19	218750	Yes	N/A	N/A
_VSR										
FY06	твр	FFP	TBD	May-06	Mar-07	19	344000	Yes	N/A	Aug-
-Y07	TBD	FFP	TBD	Dec-06		123	352358		N/A	N/A
Flatrack Refueling Capability (FRC)										
FY07	TBD	FFP	MCSC, Quantico, VA	Feb-07	Jun-07	12	152000	Yes	N/A	N/

		TION S	CHEL	JULE																Date					Fehr	uary 2	2006				
Appropriation Code/CC/BA/BS							Wea	pon (Syste	m				P-1	tem l	Nome	enclat														
Procurement, Marine Corps (1	109) / Support Vehicles	(5)					_	000		1011	- D A -				-		IDE						SYS	TEM	I REF	PLACE	EME	ΝT			
							Ρ	ROD	UCI	ION	KA	ΙĖ		T D			URE				_								II Inc	+ of	
TEM	Manufacturer's	NAME / LO	CATION				М	SR	EC	ON	М	AX		T P			T Af Oct 1			nitial g PL			eord fg PL			TO	TAI		Uni Me:	ıı oı asur	
VSR MCTAGS	BAE Systems	. Santa Cl	ara. CA				-	5	4:	50	5	00	ic		_	_	3			7	-		9	-		_	0		WICK	E	-
_VSR	TBD	,	, .				Т	BD	TE	3D	TI	BD					7			10						1	7			Е	_
FLATRACK	TBD						Т	BD	TE	3D	TI	BD					4			4						- 1	В			Е	_
						1				Fi	iscal	Vear	05										Fi	scal	Year	06				—	_
											Jour	rear	00	Cal	endai	r Yea	r 05									dar Y	ear (06		\neg	1
		F	S V	Q T	D E	B A	O C T	N O	D E	J A	F E	M A	A P	M A	J	J	A U	S E	0	N O	D E	J A	F E	M A	A P	M A	J	J	A U	S E	
TEM		Y	Ċ	Ϋ́	Ĺ	Ê	Ť	V	C	N	В	R	R	Y	N	Ĺ	Ğ	P	Ť	V	C	N	В	R	R	Y	N	Ľ	Ğ	P	
VSR MCTAGS		FY05	MC	269	0	269											Α							40	229	+			<u> </u>	$\vdash\vdash$	H
LVSR (LRIP Qtys)			MC	19	0	19																				Α					
LVSR Cargo		FY07	MC	123	0	123																				╆			<u> </u>	$\vdash\vdash$	1
																															T
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																										—			—	Ш	<u> </u>
										Fi	iscal	Year	07										Fi	scal	Year	08			Щ.	щ	┢
														Cal	enda	r Yea	r 07									dar Y	ear (08			
		F	s	Q	D	В	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	А	М	J	J	А	S	
		Y	V C	T Y	E L	A L	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	O C T	0 V	D E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	
TEM		-																								┾			_	Ш	┣
LVSR (LRIP Qtys)		FY06	MC	19	0	19						2	2	2	2	2	2	2	2	2	1					+			\vdash	\vdash	
VSR Cargo			MC	123	0	123			Α							15	15				15	15	18			丰			匚		
FLATRACK		FY07	MC	12	0	12					Α				4	4	4	-								+			┢	\vdash	
			-				-	-	-	-	-	-	-	-		-		_		_			-		-	-	-	_	-	-	-

REMARKS: LVSR MCTAGS production configuration is the same as the other USMC MCTAGS vehicle platforms. The production rates identified refer to all MCTAGS production units. FY05 Supplemental received in May 2005. Admin Lead Time is computed from May, vice Oct.

	Exhib	oit P-40, Budget I	tem Justific	ation Sheet			Date:		February 2006	;	
Appropriation / Budget Activity/Se	erial No:				P-1 Item Nomenclar	ture:			'	'	'
Procurement, Marine Co	orps (1109) / Support Vel	hicles (5)			1		FAMILY C	OF TACTICAL T	(RAILERS		
Program Elements:			Code:	Other Related Prog	ram Elements:						
0206315	M Force Service Support	t Group	А								
	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty											
Gross Cost	0.0		19.6	21.5	12.7	14.4	33.7	34.6	3.9	Cont	Cont
Less PY Adv Proc											<u> </u>
Plus CY Adv Proc											<u> </u>
Net Proc (P-1)	0.0		19.6	21.5	12.7	14.4	33.7	34.6	3.9	Cont	Cont
Initial Spares	0.0		0.0	0.4	0.4	1.0	0.8	0.6	0.0	0.0	3.2
Total Proc Cost	0.0		19.6	22.0	13.0	15.5	34.5	35.2	3.9	Cont	Cont
Flyaway U/C											
Wpn Sys Proc U/C											

Family of Tactical Trailers: Funding will provide for the procurement and sustainment of the Marine Corps Family of Tactical Trailers. Additionally, it will sustain the existing legacy tactical trailer fleet including the M101 and M149 designed for the Medium Tactical Vehicle Replacement; the M116A3 and M101A3 designed for the High Mobility Multipurpose Wheeled Vehicle and the M870A2E1 designed for the Logistics Vehicle System/Logistical Vehicle System Replacement.

Received \$19.8M in FY05 Supplemental

Received \$15M in FY06 Title IX Supplemental

							Date:				
Exhibit P-40a, I	Budget Iter	n Justifica	tion for A	ggregate	d Items				February 20	06	
Appropriation / Budget Activity	>				P-1 Item Nomen	clature:					
Procurement, Marine Corps (1109) / Support Vehi			r	r			FAMILY O	F TACTICAL	TRAILERS	•	•
Procurement Items	The state of the s	Prior Years	FY 2005	FY 2006	FY 2007					To Complete	Total Prog
Ribbon Bridge,Trailer (Title IX)	D	0.0	0.0	2.2	0.0						
	Q			10							
Light Tactical Trailers Heavy Chassis	D	0.0	1.4	0.9	0.6						
	Q		251	150	95						
Tactical Trailer Integration Kits	D	0.0	0.4	0.3	0.1						
	Q		251	150	95						
Light Tactical Trailers Heavy	D	0.0	1.9	0.8	0.8						
	Q		124	105	98						
10 M870A2E1 50-TON TRAILERS	D	0.0	0.8	0.0	0.0						
	Q		10								
M870 Semi Trailers	D	0.0	1.5	0.0	0.0						
	Q		22								
Total		0.0	6.0	4.2	1.5						
							l		I	j	I

Exhibit P-5, Weapon		Appropriation/ Bu	dget Activity/Serial N	No:	P-1 Line Item Nor	menclature:		Weapon System	Туре:	Date:	
System Cost Analysis		Sup	t, Marine Corps (port Vehicles (5)		Family o	of Tactical Trai					uary 2006
Weapon System	ID	Prior Yrs		FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
MTVR Trailers: MTVR Trailers Factory Training Integrated Logistics Support/PM Support Tactical Trailers: 5000 Gallon Semi Trailer Refuelers		\$000	13601	128		3938 30 621 12800	179	22000	9681 150 1369	431	22462
Total			13601			17389			11200		

								Date:		
	Exhibit P-5a, Budget Procur	ement Hist	ory and Planning					Fe	ebruary	2006
appropriation / Budget Activity/Serial No:		Weapon Syst	em Type:		P-1 Line Item	Nomenclature	:			
Procurement, Marine Corps ((1109) / Support Vehicles (5)					Fan	nily of Tactical			
/BS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issu
scal Years		and Type			Delivery	Each	\$		Avail	
ITVR Trailers										
Y06	CMDC, McAlester, OK	FFPO	MCSC, Quantico, VA	May-06	Aug-06	179	22000	No	N/A	N/A
Y07	CMDC, McAlester, OK	FFPO	MCSC, Quantico, VA	Nov-06	Dec-06	431	22462	No	N/A	N/A
actical Trailers Y05										
000 Gallon Semi Trailer Refuelers	Heil Trailer, Athens, GA	FFPO	TACOM, Warren Michigan	Aug-05	Feb-06	128	106258	YES	N/A	N/A
001 Gallon Semi Trailer Refuelers	Heil Trailer, Athens, GA	FFPO	TACOM, Warren Michigan	Feb-06	Aug-06	116	110345	YES	N/A	N/A

Fiscal Year 05 Fiscal Year 05 Fisca			
PRODUCTION RATE PROCUREMENT LEADTIMES PROPERTY PROCUREMENT LEADTIMES PROCUREMENT LEADTIMES PROPERTY PROCUREMENT LEADTIMES PROCUREMENT	-		
MSR EON MMX ALT Prior ALT After Initial Might		—	_
MTVR Trailers	Unit of Measur		
MTVR Trailers CMDC, McAlester, OK		E	-
Second Gallon Semi Trailer Refueiers Heil Trailers, Athens, GA 2 8 12 10 6 15 16 16 16 16 16 16		E	
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MTVR Trailers FY06 MC 179 0 0 0 0 0 0 0 0 0	A S U E	Е	1
MTVR Trailers	G P	Р	1
MTVR Trailers		T	T
Tactical Trailers	22 22	22	
5000 Gallon Semi Trailer Refuelers FY05 MC 128 0 0 0 0 0 0 0 0 0		\dashv	Ŀ
5000 Gallon Semi Trailer Refuelers FY05 MC 128 0 0 0 0 0 0 0 0 0		ᅥ	t
Tactical Trailers FY05 MC 128 96 32 12 18 8 96 32 12 18 8 96 32 12 18 8 96 32 12 18 8 96 32 12 18 8 96 32 12 18 8 96 32 12 18 8 96 32 12 18 8 96 32 12 18 8 96 32 12 18 8 96 32 12 18 8 96 32 12 18 8 96 32 12 18 8 96 32 12 12 8 96 32 12 12 8 96 32 12 12 8 96 32 12 12 8 96 32 12 12 8 96 32 12 12 8 96 32 12 12 8 96 96 96 96 96 96 96	12 12	12	
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MTVR TRAILERS MTVR Trailers FY06 MC 179 44 135 22 22 22 23 23 23 23 23 23 23 24 24 24 24 24 24 24 24 24 24 24 24 24	A S U E	S E	1
MTVR Trailers FY07 MC 431 0 431 A 43	G P	Р	Ļ
MTVR Trailers FY06 MC 179 44 135 22 22 22 23		ᅥ	t
Tactical Trailers FY05 MC 128 96 32 12 12 8 96 32 12 12 8 96 32 12 12 8 96 12			1
5000 Gallon Semi Trailer Refuelers FY05 MC 128 96 32 12 12 8		4	F
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5001 Gallon Semi Trailer Refuelers FY06 MC 116 16 100 12 12 12 12 12 12 12 12 14			
		\dashv	F
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	Exhibit P-4	0, Budget Item J	ustification	Sheet		Date:		February 2006	6	
Appropriation / Budget Activity/	/Serial No:			P-1 Item Nomencla	ture:	-				
Procurement, Marine Corps (17	109) / Support Vehicles (5)					IT	EMS LESS THAN \$	5M		
Program Elements:		Code:	Other Related Prog	ram Elements:						
0206315M Fo	orce Service Support Group	А								
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty										
Gross Cost	65.2	9.3	3.5	2.9	3.9	4.0	4.2	4.2	Cont	Cont
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	65.2	9.3	3.5	2.9	3.9	4.0	4.2	4.2	Cont	Cont
Initial Spares										
Total Proc Cost	65.2	9.3	3.5	2.9	3.9	4.0	4.2	4.2	Cont	Cont
Flyaway U/C										
Wpn Sys Proc U/C										

This is a roll-up line containing many different support vehicle related items of equipment less than \$5 million each. The funds included in this budget line allow procurement of the following items:

Motor Transport Modifications - Funds Marine Corps unique improvements to fielded Ground Transportation Systems, to include any required government or contractor configuration management for technology improvement insertions to increase Reliability Availability Maintainability-Durability (RAM-D), for total ownership life-cycle cost reductions, and to resolve unexpected vehicle safety concerns.

Marine Security Guards - Provides various types of vehicles for the Marine Security Guard depending on the requirement of the command/country. The variety includes heavy duty vans, club wagons, caravans, land cruisers and mini-buses.

Armored Vehicles for MSGBN/Hardened Engineer Vehicle - Provides Marine Security Guard Battalion with armored Suburbans, Land Cruisers, etc. to embassies. As well as meeting I MEF requirement for Explosive Ordnance Disposal and Engineer Mine Clearing teams to support efforts in locating and rendering inactive Unexploded Ordnance and Improvised Explosive Devices.

Family of ITV - This funding will procure the Internally transportable Vehicle (ITV), associated spare parts, special tools, and initial training. The ITV will be a MV-22 Osprey internally transportable system that replaces the Interim Fast Attack Vehicle (IFAV), and provides infantry, reconnaissance, and special units, the Marine Expeditionary Unit (MEU) Ground Combat Element (GCE), and Special Operations Command (SOC) units. The ITV program is a USMC led, joint program with the US Special Operations Command.

FY05 Supplemental Funding Received: \$4.4M for Armored Vehicles for MSGBN and IFAV (Family of ITV) procurements.

							Date:				
Exhibit P-40a, B	udget Iten	n Justificatio	n for Aggregat	ed Items					February 200	06	
Appropriation / Budget Activity					P-1 Item Nomenclat	ture:					
Procurement, Marine Corps (1109) / Support Vehicles (5)							TI	EMS LESS TH	AN \$5M		
Procurement Items	Code	Prior Years	FY 2005	FY 2006	FY 2007						
Motor Transport Mods	D	57.5	2.4	2.4	1.6						
	Q	VAR	VAR	VAR	VAR						
Marine Security Guards	D	7.7	1.1	1.1	1.2						
	Q		VAR	VAR	VAR						
Armored Vehicles for MSGBN	D	0.0	5.0	0.0	0.0						
Tarrier of the transfer of the	Q	0.0	VAR	0.0	0.0						

IFAV (Family of ITV)	D	0.0	0.9	0.0	0.0						
II AV (Lamily Or 11 V)	Q	0.0	0.9	0.0	0.0						
	Q										
						+					
	Totals	65.2	9.3	3.5	2.9						
						+				<u> </u>	
						+				 	
									l		

	Exhibit !	P-40, Budget Ite	em Justific	cation Sheet			Date:		February 2006	6	
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	ture:			•		
Procurement, Marine Corps (1	109) / Engineer and Other Equipment (6	6)					ENVIRONMENTAL	CONTROL EQUIP	MENT, ASSORTED)	
Program Elements:		(Code:	Other Related Prog	ram Elements:						
0206315M Fo	rce Service Support Group		Α								
	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty											
Gross Cost	22.4		9.6	5.3	2.0	3.7	3.8	4.5	4.6	Cont	Cont
Less PY Adv Proc											
Plus CY Adv Proc						_					
Net Proc (P-1)	22.4		9.6	5.3	2.0	3.7	3.8	4.5	4.6	Cont	Cont
Initial Spares											
Total Proc Cost	22.4		9.6	5.3	2.0	3.7	3.8	4.5	4.6	Cont	Cont
Flyaway U/C											
Wpn Sys Proc U/C											

The Environmental Control Equipment program procures refrigeration units and commercial air conditioners for cooling, dehumidifying, heating, filtering, and circulating air within electronic maintenance shops, radar systems, communications centers, and data computer systems.

FY05 includes \$6.7M Supplemental funding for Environmental Control Equipment.

Received Title IX funding for \$2.0M for Environmental Control Equipment program.

Exhibit P-4	0a, Budg	jet Iter	n Justifica	ition for A	Aggregate	ed Items			Date:	Februa	ary 2006	
Appropriation / Budget Activity							P-1 Item Nome	nclature:				
Procurement, Marine Corps (1109) / Co	ommunications a	and Electro	nic Equipment (4))				ENVIRONME	ENTAL CONTR	OL EQUIPMENT	Γ, ASSORTED	
Procurement Items	Code	UOM	Prior Years	FY 2005	FY 2006	FY 2007					To Complete	Total Prog
Environmental Control Equipment	А	D	3.5	2.9	3.3	2.0						
		Q		VAR	VAR	VAR						
Commercial Air Conditioners												
1.5 Ton Environment Control Unit (ECU)	А	D		1.0	0.0	0.0						
		Q		135								
3 Ton ECU	Α	D		4.7	1.7	0.0						
		Q		499	168							
						T						
5 Ton ECU	Α	D		0.6	0.3	0.0						
		Q		33	17							
Warranties and CLS Support	A			0.4	0.0	0.0						
Total				9.6	5.3	2.0						

	Exh	ibit P-40, Budget l	tem Justific	cation Sheet			Date:		February 2006	5	
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	ture:					
Procurement, Marine Corps (1	109) / Engineer and Other Equi	oment (6)					ASSA	JLT BREACHER VE	HICLE		
Program Elements:			Code:	Other Related Prog	ram Elements:						
0206315M Fo	rce Service Support Group		А								
	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty			1								
Gross Cost	0.0		8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	0.0		8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8
Initial Spares			0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Total Proc Cost	0.0		8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9
Flyaway U/C											
Wpn Sys Proc U/C											
ASSAULT BREA	CHER VEHICLE (A	ABV): The ABV is a	a tracked, ar	mored comba	at engineer v	ehicle desic	ned to bread	ch minefields	and comple	ex obstacles	and

ASSAULT BREACHER VEHICLE (ABV): The ABV is a tracked, armored combat engineer vehicle designed to breach minefields and complex obstacles and provide an in-stride breaching capability. ABV consists of a rebuilt and upgraded M1A1 Tank chassis with the integration of Non-Developmental Items (NDI), which includes a Full-Width Mine Plow, a Dozer Blade, a Surface Mine, a Rapid Ordnance Removal System, two Mk 155 Linear Demolition Charges, a remote control system, a lane marking system and a weapons system. The ABV will provide crew protection and vehicle survivability while having the speed and mobility to keep pace with the maneuver force. The M1A1 Tank Chassis will provide economic supportability of the system through its commonality with the tank fleet and armor protection for survivability.

ABV procurements in FY06 and FY07 have been consolidated under 652000 EOD SYSTEMS Assault Breacher Vehicle.

Exhibit P-5, Cost Analysis			/ Budget Activ nt, Marine Cor	ps (110		and Other Equip		P-1 Line Item No ASSAULT BR		HICLE	Weapon Sys	tem Type:	Date: Feb	ruary 2006
Weapon System	ID	PYs		FY 04			FY 05	j		FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
ABV														
ABV Manufacture ABV Remanufacture Production Verification Test Production Engineering Support Contractor Support Equipment Fielding Support Interactive Electronic Technical Manuals Support Equipment						2,700 2,274 110 526	1 3	2,700,000 758,000						
- Hydraulic, Electrical, Auxillary Test Sets														
Ancillary Equipment - Full Width Mine Plow - Surface Mine Plow - Rapid Ordnance Removal System - High Lift Adapters -Dozer -Remote Control System -Embedded Diagnostic System						1,031 179 180 581 506 577 181	3 1 1 3 3 1 3	343,667 179,000 180,000 193,667 168,667 576,500 60,167						
ABV procurements in FY06 and FY07 have been consoli	date	d under 6520	I 00 EOD SYS ⁻	TEMS A										
Total Active Reserve						8,845 8,845								

	Exhibit P-5a, Budget Procureme	ent Histor	y and Planning					Date: Fel	bruary	2006
Appropriation / Budget Activity/Ser Procurement, Marine Corps (1			System Type:		P-1 Line Item		lature: T BREACHER \			2000
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Spec s	Date Revs	RFP Issue
Fiscal Years		and Type			Delivery	Each	\$		Avail	
ABV										
FY05	Anniston Army Depot	MIPR	TACOM, MI	Oct-04	Apr-05	1	2,700,000	Yes	No	N/A

Remarks:

ABV procurements in FY06 and FY07 have been consolidated under 652000 EOD SYSTEMS Assault Breacher Vehicle.

	Exhibit P-4	0, Budget Item Ju	stific	cation Sheet			Date:		February 200	6	
Appropriation / Budget Activity					P-1 Item Nomencla	ture:					
Procurement, Marine Corps (1	109) / Engineer and Other Equipment (6)						BU	LK LIQUID EQUIPM	ENT		
Program Elements:		Code:		Other Related Prog	ram Elements:						
0206315M Fo	rce Service Support Group	A									
	Prior Years	FY 2	005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty											
Gross Cost	42.8	37	.9	34.7	17.5	1.2	1.2	1.3	1.3	Cont	Cont
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	42.8	37	.9	34.7	17.5	1.2	1.2	1.3	1.3	Cont	Cont
Initial Spares		0.	3	0.5	0.7	0.6	0.0	0.0	0.0		
Total Proc Cost	42.8	38	.2	35.3	18.2	1.7	1.2	1.3	1.3	Cont	Cont
Flyaway U/C											
Wpn Sys Proc U/C											

BULK LIQUID EQUIPMENT is comprised of Water Purification Systems and Bulk Liquids (Water/Fuel) Storage/Distribution Systems located throughout the Marine Corps.

Family of Water Supply Support Equipment (WSSE): A roll up line of 24 different items procured on a continuous buy. It includes all water assets associated with storage and distribution of potable water. Each Maritime Prepositioned Squadron (MPS) rates one complete system. Fleet Marine Force (FMF)/Wing Engineer units rate selective portions of the system.

Tactical Water Purification System (TWPS) formerly known as the 1500- Gallons Per Hour (GPH) Enhanced Reverse Osmosis Water Purification Unit (1500-GPH EROWPU): The TWPS provides the Marine Air Ground Task Force (MAGTF) with an enhanced capability to produce potable water from salt, brackish, fresh, and nuclear, biological, and chemical (NBC) contaminated water sources in expeditionary environments. A single TWPS will produce more than twice the quantities of potable water within the same footprint, thereby permitting an outstanding replacement ratio of one TWPS for two 600-GPH Reverse Osmosis Water Purification Units (ROWPU) reducing deployment footprint and lift requirements.

HI Output Water Purifier is a revolutionary disinfection and post filter technology that will disinfect and purify water to U.S. EPA standards for microbiological purifiers. It will filtrate a number of Toxic Industrial Chemicals (TICs) and Toxic Industrial Materials (TIMs) found in the combat environment. It integrates with the current USMC Hydration System. One Water Purification system will purify 300 liters without replacement parts or components and consists of a MIOX cap for the current hydration system and an in-line filtration system.

FY05 Supplemental Funding received \$28.5M.

FY06 Supplemental Title IX Funding received \$14.0M for Water Purification Units.

Fools the te	D 40a Duda	-4 4		tion for t	\	- d		Date:				
Appropriation / Budget Activity	P-40a, Budg	et iter	n Justifica	ition for A	Aggregati	P-1 Item Nome	nclature:			February 2006		
Procurement, Marine Corps (1109) / Engineer and Other Equip	ment (6)					i - i item riome	nciature.		BULK LIQUID E	EQUIPMENT		
Procurement Items	Code	UOM	Prior Years	FY 2005	FY 2006	FY 2007					To Complete	Total Prog
Bulk Liquid Equipment	А	Α		4.3	0.0	0.0						
		Q										
Family Water Supply Equipment	A	Α	6.4	1.1	0.7	1.1						
		Q		Var	Var	Var						
Hi Ouput Water Purifier	A	A		0.0	0.4	0.0						
		Q			2059							
Totals			6.4	5.4	1.2	1.1						

Exhibit P-5, Weapon WPN SYST Cost Analysis			dget Activity/Serial N rine Corps (1109) / E lent (6)		P-1 Line Item Nor	menclature: VATER PURIF SY	STEM	Weapon System	Туре:	Date: Feb	ruary 2006
Weapon System	ID	Prior Yrs		FY05			FY06			FY07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Tactical Water Purification System (TWPS)		7434	26274	80	328425	24071	73	329738	13417	40	335430
Extended Capability Modules (NBC, Cold Weather, Waste Water Collection)		753	4297	VAR	VAR	2723	VAR	VAR	687	VAR	VAF
Integrated Logistics Support (ECP's, Fielding Support)		1269	1977			6772			2361		
TOTAL Active Reserve		9456 9456	32548 32548			33566 33566			16465 16465		

								Date:		
	Exhibit P-5a, Budget Procurement							Fe	ebruary	2006
Appropriation / Budget Activity/Serial No:		Weapon Syst	em Type:		P-1 Line Item	Nomenclature				
Procurement, Marine C	Corps (1109) / Engineer and Other Equipment (6)					В	ULK LIQUID EQUII			
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
TWPS	054.5.1.1.445	14100	T. 0014		0 05	0.0	000.105			N1/A
FY-05	SFA, Frederick, MD	MIPR	TACOM	Jan-05		80	328425		N/A	N/A
FY-06	SFA, Frederick, MD	MIPR	TACOM	Mar-06		73	329738		N/A	N/A
FY-07	SFA, Frederick, MD	MIPR	TACOM	Oct-06	Aug-07	40	335430	N/A	N/A	N/A

REMARKS:

FY05/06/07 deltas in contract award date and date of first delivery are the result of one production line supporting both the US Marine Corps and US Army procurements.

T U/ BUDGE! EX	(HIBIT P-21, PRODU	CHON 5	CHEL	JULE																Date					Febru	uary 2	2006				
	BA/BSA/Item Control No. rps (1109) / Engineer and 0	Other Equip	ment (6	6)			Wea	pon S	Syste	m				P-1	Item	Nome	enclat	ure:		Bl	JLK L	.IQU	D EC					_			
·	, ,						PF	ROD	UCT	ION	RAT	Έ			PF	ROC	URE	MEN	NT LE									_			
TEM	Manufacture	er's NAME/LO	CATION				MS	SR	EC	ON	M	ΑX		T P Oc			T Aft Oct 1			nitia g Pl			eord fg Pl			TO	TAL		Uni Mea		
TWPS	SFA, Fred	erick Mfg Div	. Freder	ick MD			<u> </u>	1	8	3	1	0	١٥	OC	. 1	_	3			8	-		·9 · ·			_	1	—	WICK	Jour	Ŭ
		IC and Army			ontract		1										_										-	—			
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TEM		E) (0.5						٧	C		ь	I.	ĸ	_	IN	_	G														<u> </u>
Tactical Water Purific	cation System	FY06	MC MC	80 73	0	80 73				Α								7	7	7	3	6	4	6	6	6	6	6	6	6	Ł.
		FYUC	IVIC	73	0	73																		Α					₩		F
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		F Y	S V	Q T	D E	B A	0 C	N O	D E	J A	F	M A	A P	M A	J	J	A U	S E	O C T	N O	D E	J A	F E B	M A	A P	M A	J	J	A U	S E	
TEM		T .	С	Υ	L	L	Т	V	С	N	В	R	R	Υ	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	Р	
Tactical Water Purific	cation System	FY05		80	76	4	4																								
		FY06		73	0	73	2	4	3	4	9	10	10	10	10	10	1											<u> </u>	igspace		L
		FY07	MC	40	0	40	Α										9	10	10	6	5							\vdash	\vdash		-
																												Н	H		┢
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	Exhibit P-4	10, Budget Item Jus	stifica	ation Sheet			Date:		February 200	6	
Appropriation / Budget Activity, Procurement, Marine Corps (1	/Serial No: 109) / Engineer and Other Equipment (6)				P-1 Item Nomencla	ture:	TAG	CTICAL FUEL SYST	EMS		
Program Elements: 0206315M Fc	orce Service Support Group	Code:		Other Related Prog	ram Elements:						
	Prior Years	FY 20	05	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty											
Gross Cost	32.9	33.2	2	23.7	4.1	4.3	4.3	4.4	4.6	Cont	Cont
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	32.9	33.2	2	23.7	4.1	4.3	4.3	4.4	4.6	Cont	Cont
Initial Spares											
Total Proc Cost	32.9	33.2	2	23.7	4.1	4.3	4.3	4.4	4.6	Cont	Cont
Flyaway U/C											
Wpn Sys Proc U/C											

Tactical Fuel Systems are highly versatile fuel systems designed to receive, store, transfer and dispense fuel in support of Marine Air Ground Tactical Force (MAGTF) operations ashore.

This program provides over 108 various upgraded elastomeric components to Tactical Fuel Systems (B0685 Amphibious Assault Fuel System, B1135 Helicopter Expedient Refueling System, B1570 Expedient Refueling System, B0570 500-Gallon Collapsible Fabric Drum, B0675 Tactical Airfield Fuel Dispensing System) which have met or exceeded the shelf life time limit.

FY05 Supplemental funding received for the Tactical Fuel System: \$24.655M FY06 Supplemental Title IX funding received for the Tactical Fuel System: \$16.0M

Exhibit P-40a, Bu	idaet Iter	m lustification	for Aggregates	d Itams		Dat	e:	February	, 2006	
Appropriation / Budget Activity	auget itei	ii Justiiicatioi	i ioi Aggregate	u items	P-1 Item Nome			rebruary	/ 2006	
Procurement, Marine Corps (1109) / En	gineer and Othe	r Equipment (6)			P-1 Item Nome	nciature.	TACTICAL FL	JEL SYSTEMS		
Procurement Items		Prior Years	FY 2005	FY 2006	FY 2007				To Complete	Total Prog
Storage Components, Tactical Fuel System	А	7.2								
600K gal, 120K gal, 9K gal, 2.7K gal			3.9	3.7	3.0					
Beach Unloading			2.3	0.0	0.0					
Other Components			2.0	0	0					
Distribution Components, Tactical Fuel System	A	2.0								
Valves			2.0							
Hose Assemblies			3.1	0.6	0.7					
Filter Separator/Pressure Regulator			3.0	0.5	0.4					
Meters (2 inch)			3.5	0.3	0.0					
Meters (4 inch)			2.3	0.0	0.0					
Meters (2 inch, 4 inch & 6 inch)			1.8	0.0	0.0					
Monitor Assemblies			1.9	0.0	0.0					
Test Kits			1.0	0.0	0.0					
Nitrile Rubber Collapsible Store	A	1.1	4.7	0.0	0.0					
	Q		101							
Forward Area Self-Contained Transportable-Impr	A	0.0	1.7	2.6	0.0					
Liquid (GERS)	Q		32	40						
Distribution Components TAFDS										
Pumps			0.0	2.88	0.00					
Tanks			0.0	1.44	0.00					
Other Components			0.0	1.55	0.00					
Distribution Components AAFS		0.0								
Pumps			0.0	3.20	0.00					
Tanks			0.0	3.00	0.00					
Filtration Components			0.0	2.30	0.00				1	
Pump Module Fuel (Sixcon)	А	0.0	0.0	1.61	0.00					
									1	
Total			33.2	23.7	4.1					

	Exhibit P-4	0, Budget Item J	lustification	Sheet		Date:		February 2006	6	
Appropriation / Budget Activity	/Serial No:			P-1 Item Nomencla	iture:	<u>.</u>				
Procurement, Marine Corps (1	109) / Engineer and Other Equipm	nent (6)				DEMOL	ITION SUPPORT S	YSTEMS		
Program Elements:		Code:	Other Related Pro	gram Elements:						
0206315M Fo	orce Service Support Group	A								
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty										
Gross Cost	2.1	16.3	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	2.1	16.3	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Initial Spares		0.0	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Total Proc Cost	2.1	16.3	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Flyaway U/C										•
Wpn Sys Proc U/C										

DEMOLITION SUPPORT SYSTEMS

The Advanced Minefield Detector (AMD) (AN/PSS-14) will be employed by the Combat Engineers in the Combat Engineer Battalions, Engineer Support Battalions and the Marine Wing Support Squadrons to fulfill operational mine detection requirements. The system will detect mines in designated areas throughout the theater to expand breach lanes, to assist in countermine clearance efforts. AMD is man-portable system capable of detecting both metallic and low metallic buried mines regardless of fuse types. Components include Sweep Monitoring Systems (SMS), Simulants and Battery Charges.

FY05 includes Supplemental funding in the amount of \$7.3M for Total Demolition Systems.

Exhibit P-40a	a. Budget Iter	n Justification	for Aggregat	ed Items			Date:	I	February 2006	
Appropriation / Budget Activity	.,		,			P-1 Item Nomenclatur	e.		rebluary 2000)
Procurement, Marine Corps (1109) / Engineer and Other Equip	oment (6)							SUPPORT SYS	TEMS	
Procurement Items	Code	Prior Years	FY 2005	FY 2006	FY 2007				To Complete	Total Prog
Sweep Monitoring System (SMS)	Α	0.0	2.1	0.0	0.0					
	Q		32							
Simulants	Α	0.0	0.9	0.0	0.0					
	Q		26							
Battery Chargers	А	0.0	0.1	0.0	0.0					
	Q		Various							
ILS	А	0.0	1.5	0.0	0.0					
	Q		N/A							
Cell Phone Jammers	A	0.0	0.0	0.0	0.0					
	Q									
Training	Α	0.0	0.3	0.0	0.0					
	Q		10							
Integrated Logistics Support	A	0.0	1.2	0.0	0.0					
	Q	+	N/A							
TOTALS			6.1	0.0	0.0					

	Date:									
	khibit P-5a, Budget Procureme								February 2	2006
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Er	Engineer and Other Equipment (6)	Weapon Sys	tem Type:		P-1 Line Item	m Nomenclature	re: MOLITION SUPPORT	T QVQTEN	10	
		Contract	T		₩			Specs	Date	RFP Issue
WBS Cost Elements:	Contractor and Location	Method	Location of PCO	Award Date	Date of First		Unit Cost	Avail?	Revsn	Date
Fiscal Years		and Type	 		Delivery	Each	\$	┼	Avail	—
FY05										
Advanced Minefield Detector AN/PSS-14	CyTerra Waltham MA	MIPR	ARMY CECOM	Feb-05	Mar-05	506	20063	3 N/A	N/A	N/A
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REMARKS:							<u></u>			
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	Exhibit P-4	0, Budget Item Justi	fication Shee	t		Date:		February 2006	6	
Appropriation / Budget Activity/	Serial No:			P-1 Item Nomencla	ture:					
Procurement, Marine Corps (1	109) / Engineer and Other Equipment (6)					POWE	R EQUIPMENT, ASS	SORTED		
Program Elements:		Code:	Other Related Pro	gram Elements:						
0206313M FORC	E SERVICE SUPPORT GROUP	А								
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty										
Gross Cost	28.0	55.8	24.3	10.0	7.6	8.0	10.2	10.4	Cont	Cont
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	28.0	55.8	24.3	10.0	7.6	8.0	10.2	10.4	Cont	Cont
Initial Spares	0.0								Cont	Cont
Total Proc Cost	28.0	55.8	24.3	10.0	7.6	8.0	10.2	10.4	Cont	Cont
Flyaway U/C										
Wpn Sys Proc U/C										

Family of Power Equipment - This program includes mobile electric power equipment used throughout the Fleet Marine Forces and Reserves. These are centrally managed items. Sizes and types of Generators and Mobile Electric Power Distribution Systems range from 2 kW to 100 kW in both 60HZ and 400HZ. All generators are selected from the standard family of DoD Mobile Electric Power (MEP) sources. This is a Joint DoD program. Current generators are from the "Tactical Quiet Generator" (TQG) family. The generators are operationally linked with Command, Control, Communications, Computers and Intelligence (C4I), weapons systems, and all systems requiring electrical power. C4I systems are increasing in power demand, which continues to drive the demand for generators and power distribution sets. C4I and supported weapons systems readiness is directly affected as power equipment readiness decreases. Current average age of generators is greater than 20 years. This program is based on the continuous replacement of generators that have exceeded their life-cycles with ones that incorporate environmental, safety, and performance enhancements.

Advanced Medium Mobile Power Sources (AMMPS). With increasing EPA emission standards, the DoD is developing and will be fielding the AMMPS family towards the end of the decade. As the 10-year TQG contracts close-out, they will not be renewed and AMMPS will be the generator family that is fielded as the next generation of DoD standard generators.

Mobile Electric Power Distribution Systems (MEPDIS) provide a modernized standard family of Mobile Electric Power Distribution Systems to meet Marine Corps power requirements to support a variety of C4I systems and expeditionary forces. MEPDIS is a centrally managed, continuous fielding/replacement effort as systems are damaged, destroyed, or consumed during normal operations.

Alternative Power Sources for Communication Equipment (APSCE) consists of a suite of devices used to provide power to operate communications equipment, computers and peripheral equipment in place of primary batteries (disposable, one time use, lithium batteries) and for scenarios where fuel powered generators are too large, too heavy or unsuitable for use. The purpose of the program is to reduce the use of limited availability batteries, especially hazardous material producing ones, to those applications where they are the only appropriate tactical choice.

FY05 Supplemental funding received - \$40.6M \$10M Received in Title IX funds

						Date:				
Exhibit P-40a, Bud	get Iter	n Justifica	tion for A	ggregate	d Items			February 20	006	
Appropriation / Budget Activity						P-1	Item Nomencla	ture:		
Procurement, Marine Corps (1109) / Engineer and Other Equipment (6)						POWER	EQUIPMENT, A	ASSORTED		
Procurement Items	Code	Prior Years	FY 2005	FY 2006	FY 2007				To Complete	Total Prog
Alternative Power Sources for Comm/Elect Equip	D	17.1	3.3	3.1	3.2					
	Q		VAR	VAR	VAR					
Power Equipment (Floodlights, Power Supplies	D	0.0	1.6	1.0	0.0					
Frame Rails, Mobile Transf/Substa Demo)	Q		VAR	VAR						
MC 2KW Generators	D	0.0	2.6	2.0	0.1					
	Q		480	380	10					
MC 3KW Generators	D	1.8	4.8	1.4	1.0					
	Q		553	151	110					
MC 60KW Generators	D	0.0	4.7	4.9	0.0					
WIG GORW GENERALOIS	Q	0.0	163	181	0.0					
Power Equipment Logistics Support Items	D	1.0	1.6	1.9	1.2					
Tower Equipment Edgistics Support terms	Q	1.0	VAR	VAR	VAR					
Power Generators (DJIBOUTI) (OIF)	D	0.0	2.6	0.0	0.0					
i ower deficiators (barbootti) (oii)	Q	0.0	VAR	0.0	0.0					
MEPDIS	D	1.0	3.8	1.5	1.1					
MELLO	Q	1.0	VAR	VAR	VAR					
Magnum Generators	D Q	0.0	1.6 100	0.0	0.0					
Power Converters/Supplies/Chargers	D Q	0.0	1.7 VAR	2.1 VAR	0.0					
Total	Q	21.0	28.3	17.9	6.6					

Exhibit P-5, Cost Analysis		Procurement, Mar Oth	dget Activity/Serial N ine Corps (1109) / En ner Equipment (6)	ngineer and	P-1 Line Item Non POWER EC	nenclature: QUIPMENT, ASSO		Weapon System 1	Гуре:		uary 2006
Weapon System	ID	Prior Yrs		FY 05			FY 06	=		FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
10 kW MEP 803 100 kW MEP 807 30 kW MEP 805		1.5 2.6	7954 8969 10633	569 157 460	13,979 57,126 23,116	1355 2346 2633	41	22,583 57,224 26,326	2335 1074		58,366 26,853
Subtotal		4.1	27556			6334			3409		

	Exhibit P-5a, Budget Procureme	ent History and	Planning					Date:	bruary	2006
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and		Weapon System Typ			P-1 Line Item		e: ER EQUIPMENT, A			2006
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost	Specs Avail?	Date Revsn Avail	RFP Issu Date
FY05 - 10 kW MEP 803 - 30 kW MEP 805 - 100 kW MEP 807 FY06 - 10 kW MEP 803 - 30 kW MEP 805	Fermont - CT MCII - AZ Fermont - CT MCII - AZ MCII - AZ	MIPR MIPR MIPR MIPR MIPR	Army - CECOM Army - CECOM Army - CECOM Army - CECOM Army - CECOM	Dec-06 Dec-06	Aug-06 Jul-06 Jul-06 Aug-06	569 157 460 60 41	13979 57126 23116	Y Y	N/A N/A N/A	N/A N/A N/A N/A
- 100 kW MEP 807 FY07 - 30 kW MEP 805 - 100 kW MEP 807	Fermont - CT MCII - AZ Fermont - CT	MIPR MIPR MIRP	Army - CECOM Army - CECOM Army - CECOM		Aug-06 Jul-07 Jul-07	100 40 40	26326 58366	Y	N/A N/A N/A	N/A N/A N/A

REMARKS:

Generators are procured via US Army contracts by the Program Manager for Mobile Electric Power, CECOM.

The decision to procure 60 kW MEP 806 - TAMCN B1021 generators in FY05 is based on Fleet Marine Force requirements. Delaying the procurement of 3 kW MEP 831 -TAMCN B0730 in FY05 does not provide a break in any production lines due to joint DoD procurements utilizing US Army contracts.

							Date:				
	Exhi	ibit P-40, Budget	Item Justific	ation Sheet					February 2	006	
Appropriation / Budget Activi					P-1 Item Nomencla	ture:					
	Corps (1109) / BA6 - E	Engineer and Other Eq	luipment				Amp	hibious Suppor	t Equipment		
Program Element:			Code:	Other Related Prog	ram Elements:						
020621	1M Divisions (Marine)										
	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty											
Gross Cost	0.0		0.0	15.3	13.2	15.4	25.0	12.8	13.0	Cont	Cont
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	0.0		0.0	15.3	13.2	15.4	25.0	12.8	13.0	Cont	Cont
Initial Spares			0.0	0.3	0.1	0.0	0.1	0.0	0.0	Cont	Cont
Total Proc Cost	0.0		0.0	15.5	13.3	15.4	25.0	12.8	13.0	Cont	Cont
Flyaway U/C											
Wpn Sys Proc U/C											

Underwater Breathing Apparatus - is a closed circuit (no bubbles) Oxygen Recirculator (rebreather).

Combat Rubber Reconnaissance Craft (CRRC) - is the Marine Corps' primary means of accomplishing amphibious raid and reconnaissance missions. Operational experience has identified the need for modifications to the CRRC.

Family of Small Craft Mods - will satisfy the safety and reliability, availability, and maintainability (RAM) issues associated with the Family of Small Craft Programs. The Small Unit Riverine Craft (SURC), Raid/Open Water Safety Craft (ROWSC), Combat Rubber Reconnaissance Craft (CRRC), Non-Gasoline Burning Outboard Engines (NBOE), and other small craft items will be supported by this line in the future as new craft and engines are fielded.

Family of Raid/Recon Equipment - is for multiple parachuting and specialized raid related projects. The program encompasses the close quarter battle ensemble used in various Marine units and parachuting equipment which will be used for reconnaissance in support of landing force operations. The acquisition program includes component sets and ancillary items of equipment which will provide integration to warfighting concepts of the 21st century. The program will enhance the means to systemize equipment; further, it will increase combat multipliers, survivability, durability and functionality over that of the current inventory items. Helicopter Rope Suspension Techniques (HRST) encompass Special Purpose Insertion Extraction (SPIE), Rappel, Fast Rope and Helocast, which combines a helicopter and small boat in the same operation.

Small Unit Riverine Craft (SURC) - will provide tactical mobility and a weapons platform for elements of a Marine Air Ground Task Force (MAGTF) Ground Combat Element (GCE) in the riverine environment.

Underwater Reconnaissance Capability (URC) - consists of related end items, the Divers Propulsion Device (DPD), the Tactical Hydrographic Survey Equipment (THSE), and the Diver Equipment Enhancement Program (DEEP). DPD provides long range subsurface transport of reconnaissance Marines to conduct hydrographic surveys. The THSE provides subsurface hydrographic charting (electronically) of the landing beach approach lanes. DEEP is intended to support the Combatant Diver Display Mask (CDDM) with Combatant Diver Voice Communication (CDVC), Electronic Navigation Device (END), Scout Swimmer Suit (SSS), MK25 Mod 2 Replacement Reducer, Scout Swimmer/Crew Served Weapons Waterproof Bags (CSWB), and the Underwater Locator Beacon (ULB).

Safety Boats - small craft to be utilized for safety and rescue in conjunction with underwater and surface training of Marines.

Expeditionary Assault Bridge (EAB) is an armored vehicle used for rapidly employing, short-gap, assault crossing system, capable of spanning natural and manmade obstacles up to 60 feet (18.29) while under fire for up to Military Load Class (MLC) 70-ton vehicles. The EAB consists of a rebuilt and upgraded M1A1 Tank chssis with existing MLC70 scissors bridge and a commercial launcher. The EAB will provide the MAGTF with the capability to conduct assault and tactical wet and dry gap crossings in all types of climate and terrain, including slopes, trenches and vertical steps. The M1A1 based launcher will provide the suvivability, maintainability and maneuverability required to keep pace with the maneuver force.

BLI 643400 Amphibious Raid Equipment and BLI 654800 Family of Bridges were consolidated into a new BLI 6518 Amphibous Support Equipment beginning in FY06.

Exhibit P-40a, Bud	get Ite	m Justifica	ems		C	Date:	Fel	bruary 2006			
Appropriation / Budget Activity Procurement, Marine Corps (1109)	9) / BA	6 - Engineer ar	nd Other Equip	ment		P-1 Item Nomenclatur		Amphibious	Support Equi	pment	
Procurement Items	Code	Prior Yrs	FY 2005	FY 2006	FY 2007					To Complete	Total Prog
Underwater Breathing Apparatus	Α	0.0	0.0	0.3	1.1						
Combat Rubber Reconnaissance Craft	Α	0.0	0.0	1.0	0.5						
Family of Small Craft	Α	0.0	0.0	0.6	0.6						
Small Unit Riverine Craft	Α	0.0	0.0	0.1	0.0						
Safety Boats	В	0.0	0.0	4.0	0.0						
Expeditionary Assault Bridge	Α	0.0	0.0	0.0	2.0						
Totals		0.0	0.0	6.0	4.2						

Exhibit P-5,		Appropriation/ Budge	· ·	P-1 Line Item Nomer				Weapon System Type	e:	Date:	
Cost Analysis		Procurement, Mari Engineer and Oth			Amphibious Su	pport Equipment				Februar	y 2006
Weapon System	ID	PYs		FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Family of Raids/Recon Equipment											
Parachute Systems		0				1472	VAR	VAR	5371	VAR	VA
Parachute Program Management		0				51			57		
Parachute Logistics Support		0				484			335		
Helicopter Rope Suspension Techniques (HRST)		0									
HRST Systems		0							2132	VAR	VA
HRST Program Management		0							23		
HRST Logistics Support		0							263		
Underwater Reconnaissance Capability Diver Propulsion Device (DPD)											
DPD Systems		0				4921	76	64755	453	7	6475
DPD Equipment and Logistics		0				1883	76	04755	319		0475
DPD Mgt Support		O				1003			35		
Combatant Diver Display Mask (CDDM)		0				480	340	1412			
TOTAL		0				9291			8988		
ACTIVE		0				9291			7755		
RESERVE		0				0			1233		
I											
I											

ropriation / AGSAG	P-5a, Procurement History as	10 Flanr								
		Weapon Sys			Line Item No	menclatur	9:	F	ebruary	2006
Procurement, Marine Corps (1109) / BA6 - Er	ngineer and Other Equipment					Amph	ibious Sup	oort Equ	iipment	
Cost Elements: al Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail?	Date Revsn Avail	RFP Issu Date
DERWATER RECONNAISSANCE CAPABILI	гү									
ers Propulsion Device (DPD) 06 07	STIDD Systems, Green Port, NY STIDD Systems, Green Port, NY	FFP FFP	MARCORSYSCOM MARCORSYSCOM	Nov-06 Nov-06	May-06 May-06	76 7	64755 64755	YES YES	N/A N/A	N/A N/A

EXHIBIT P-21, PRODUCTION	ON SCHEDULE																			Date):			ı	Febr	uary 2	2006				
Appropriation Code/CC/BA/BSA/Ite Procurement, Marine Corps (1109)		d Other	Equipr	ment			Wea	apon (Syste	m				P-1	Item I	Nome	enclat	ure:		Amn	hibio	us Si	ınno	rt Eq							
,	<u> </u>		1-1				Р	ROD	UCT	ION	RAT	ГΕ			PF	ROCI	UREI	MEN					ирро	9	I I	0111					
ITEM	Manufacturer's NA	AME / LO	CATION				М	SR	EC	ON	M	AX		T P	rior	AL	T Aft Oct 1		I	nitia g Pl	I	R	eord fg P			TO	TAL		Uni Me		re.
Divers Propulsion Device (DPD)	STIDD Syster	ns, Gre	en Por	t, NY				3	·	6	1	5					1			6			3				7			Е	
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										Fi	iscal	Year	05										Fi	scal	Year	06					В
														Cal	endaı	r Yea	r 05									dar \	ear (06			A L A
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Divers Propulsion Device (DPD)	pulsion Device (DPD) FY06 MC 76 0			76	+ -		Ŭ	.`				<u> </u>	.,	_	Ŭ	_	·	Ā		.,			.`	6	6	6	6	6	46		
Divers Propulsion Device (DPD)	·			76														А						0	О	0	О	О	7		
2.10.0	's Propulsion Device (DPD) FY07 MC 7 0																														
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ITEM		F Y	S V C	Q T Y	D E L	B A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	N C E
Divers Propulsion Device (DPD)		FY06	MC	76	36	40	6	6	7	7	7	7												t		t					0
Divers Propulsion Device (DPD)		FY07	_	7	0	7		Α						4	3																0
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		<u> </u>			I																								<u> </u>		

	Exhibit P-4	l0, Budget It	em Justific	cation Sheet			Date:		February 2006	6	
Appropriation / Budget Activity/	/Serial No:				P-1 Item Nomencla	ture:					
Procurement, Marine Corps (11	109) / Engineer and Other Equipment (6)							EOD SYSTEMS			
Program Elements:			Code:	Other Related Prog	ram Elements:						
0206315M Fo	orce Service Support Group		Α								
	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty											
Gross Cost	0.0		0.0	458.4	14.8	6.6	5.4	4.7	4.8	CONT	CONT
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	0.0		0.0	458.4	14.8	6.6	5.4	4.7	4.8	CONT	CONT
Initial Spares			0.0	1.5	3.0	0.5	0.6	0.0	0.0	0.0	5.6
Total Proc Cost	0.0		0.0	459.9	17.8	7.2	6.0	4.7	4.8	CONT	CONT
Flyaway U/C											
Wpn Sys Proc U/C											

ADVANCED MINEFIELD DETECTOR (AMD) will be employed by the Combat Engineers in the Combat Engineer Battalions, Engineer Support Battalions and the Marine Wing Support Squadrons to fulfill operational mine detection requirements. The system will detect mines in designated areas throughout the theater to expand breach lanes, to assist in countermine clearance efforts. AMD is man-portable system capable of detecting both metallic and low metallic buried mines regardless of fuse types.

ASSAULT BREACHER VEHICLE (ABV) is a tracked, armored combat engineer vehicle designed to breach minefields and complex obstacles and provide an in-stride breaching capability. ABV consists of a rebuilt and upgraded M1A1 Tank chassis with the integration of Non-Developmental Items (NDI), which includes a Full-Width Mine Plow, a Dozer Blade, a Surface Mine, a Rapid Ordnance Removal System, two Mk 155 Linear Demolition Charges, a remote control system, a lane marking system and a weapons system. The ABV will provide crew protection and vehicle survivability while having the speed and mobility to keep pace with the maneuver force. The M1A1 Tank Chassis will provide economic supportability of the system through its commonality with the tank fleet and armor protection for survivability.

FAMILY OF EOD EQUIPMENT: The Explosive Ordnance Disposal (EOD) mission provides a means to neutralize the hazards associated with explosive ordnance that are beyond the normal capabilities of other specialties that present a threat to operations, installations, personnel and material. The Family of EOD Equipment accomplishes this mission by detecting, identifying, rendering safe, recovering, evacuating and disassembling, and/or disposing of unexploded ordnance with a variety of tools which include Modernized Demolition Initiator, Hook and Line Kit, Non-Invasive Filler Identification Tool, EOD Man Portable Robotics, Tele-Present Remote Aiming Platform and Advanced Ordnance Locators.

High Powered Jammers - Hunter and Chameleon are remote controlled improvised explosive device systems capable of providing full spectrum protection against high and low power threats. The Jammers are capable of being integrated in all Marine Corps Tactical Ground Vehicles. System includes; Jammer, Antennas, Cables, Remote Control, and Test Equipment. The five thousand (5000) units being procured completes the requirement identified in the II MEF Urgent UNS.

Received \$391M in FY06 Title IX funds for EOD equipment and High Power Jammers.

BLI 652000 EOD Systems is a consolidation of BLI 613000 Combat Breacher Vehicle and BLI 652300 Family of EOD Equipment beginning in FY06.

Exhibit F	P-40a, Budç	jet Itei	n Justifica	tion for A	ggregate	d Items		Date:		February 20	006	
Appropriation / Budget Activity						P-1 Item Nomer	nclature:					
Procurement, Marine Corps (1109) / Engineer and Other Equipme	nt (6)								EOD SYSTEM	IS		
Procurement Items	Code	UOM	Prior Years	FY 2005	FY 2006	FY 2007					To Complete	Total Prog
Advanced Minefield Detector AN/PSS-14	Α	D	0.0	0.0	3.6	2.4						
		Q			62	11						
											-	+
												1
Total			0.0	0.0	3.6	2.4						

Exhibit P-5, Cost Analysis			dget Activity/Seri Marine Corps (1 d Other Equipme	109) /	P-1 Line Item No E0	omenclature: OD SYSTEMS		Weapon System	Туре:	Date: Fe	bruary 2006
Weapon System	ID	PYs		FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
ABV ABV Manufacture Production Verification Test Production Engineering Support Contractor Support Interactive Electronic Technical Manuals Support Equipment - Hydraulic, Electrical, Auxillary Test Sets Ancillary Equipment - Full Width Mine Rollers - Surface Mine Plow - Rapid Ordnance Removal System Test Article Rebuild						54,599 433 507 200 710 615 1,158 1,200	18 3 6 6	205,000 193,000 200,000	521 100 300 2,068 1,170 1,230 1,499	10 6 6	206,800 195,000 205,000
High Powered Jammers Chameleon Hunter Vehicle Installation Kits High Band Antenna Low Band Antenna Antenna Mounts Remote Control Shipping/Storage Containers CLS/FSR (Support, Maintainance, Training and spares) First Article Testing Program Support						165,304 60,456 40,000 28,000 9,500 10,310 11,655 18,820 5,636 3,019 10,000	3858 1142 5000 5000 5000 10000 5000 5000	52939 8000 5600 1900 1031 2331			
Total Active Reserve						422122 422122			6888 6888		

Exhibit P-5, Weapon			dget Activity/Serial Narine Corps (1109)		P-1 Line Item No	menclature: OD SYSTEMS		Weapon System	Туре:	Date:	
WPN SYST Cost Analysis			Other Equipment (6)			.OD GTOTEWO				Fel	orary 2006
Weapon System	ID	Prior Yrs		FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Family of EOD Equipment											
EOD Program Engineering/Travel						350	1	350,000	392	1	392,00
Automated EOD Publication System (AEODPS) Kit						384	16	24,000	30	2	15,00
Bombot									61	2	30,50
Citadel						634	77	8,234			
Designated Marksman Rifle (DMR)						166	64	2,594			
EOD Bomb Suit						298	12	24,833	551	23	23,95
EOD Remote Demolition Firing Device						3,960	198	20,000	3,570	175	20,40
EOD Search Kit						4,687	140	33,479			
EOD Dissassembly Kit						86	39	2,205			
EOD Disposal Kit						693	55	12,600			
Firing Device, Demolition						300	15	20,000			
Hook & Line Kit						669	88	7,602			
Man Transportable Robotics System (MTRS)									306	2	153,00
MDET Smokeless Powder Bag, Energetic						200	1	200,000	204	1	204,00
Medium Directional Energetic Tool (MDET)						595	85	7,000			
Mk 2 Mod 1 .50 Caliber Dearmer (50 Cal)						0	1	333			
Mk 26 Mod 1 Ordnance Locator						416	22	18,909			
Mk 3 Mod 0 RONS Continuous Improvement Program (CIP)						396	45	8,800	292	45	6,48
Mk 32 Mod 4 X-Ray						510	70	7,286			
Mk 36 Non-Magnetic Tool Set						43	13	3,308	85	25	3,40
Mk 38 Mod 0 Small Caliber Dearmer (SCD)						13	13	1,000	1	1	1,00
Mk 40 Mod 0 Standoff Disrupter UXO (SDUXO)						74	13	5,692	6	1	6,00
Mk 41 Mod 0 Advanced Radiographic System (ARS)						2,074	131	15,832			.,
Non Magnetic Hand Tool Kit						51	15	3,400			
Packbot						3,150	21	150,000			
SCBA Jammers						420	70	6,000			
Self Contained Breathing Apparatus (SCBA)/Compressors						748	192	3,896			
Standoff Disrupter IED (SDIED)						34	13	2,615	3	1	3,00
Submunitions Clearance System (SCS)	I					6,300	105	60,000		•	,,,,,
Warm Water High Pressure Washer / Steam Generator	I					165	50	3,300			
Total Containment Vessel	I					2,100	7	300,000			
Tool Set, FLD Ops EOD Team	I					450	30	15,000			
Tool Set, EOD						473	86	5,500			
Tool Kit						2,203	53	41,566			
Total	I					32,642	30	71,000	5,501		
Active	I					32,642			5,501		
Reserve						32,042			3,301		

	Exhibit P-5a, Budget Procureme		·					Fel	oruary	2006
Appropriation / Budget Activity/Serial N		Weapon	System Type:		P-1 Line Item					
) / Engineer and Other Equipment (6)		1	Award			OD SYSTEMS		Date	RFF
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Date	Date of First	QTY	Unit Cost	Spec s	Revs	Issu
Fiscal Years		and Type			Delivery	Each	\$		Avail	
ABV										
FY06	Anniston Army Depot	MIPR	MARCORSYSCOM	Feb-06	May-06	18	3,033,263	Yes	No	N/A
High Powered Jammers FY06										
CHAMELEON	General Dynamics, Burlington	FFP	MCSC	Nov-05	Mar-06	3858	42847	Yes	N/A	N/A
HUNTER	EFW, FT Worth TX	FFP	MCSC	Nov-05	May-06	1142	52939	Yes	N/A	N/A
Remarks:										

FY 07 BUDGET EXI	HIBIT P-21, PRODUCT	ON SC	HED	ULE																Date	:				Febr	uary	2006				
Appropriation Code/CC/BAProcurement, Marine Corp							Wea	apon S	Syste	em				P-1 I	tem	Nom	encla	iture:			Е	OD	SY	STE	MS						
•							Р	ROD	UCT	ION	RA	TE			PF	ROCI	URE	MEN	IT LI	EAD	TIMI	ES									
ITEM	Manufacturer's N	AME / LOC	ATION					SR		ON		AX		T Pr Oct	ior	AL	T Af	ter	I	nitial g PL		R	eord fg P			TC	TAL		Uni Mea		
ABV	SFA, Frederick	Mfa Div. F	rederio	k MD				1	1	0	2	24	٠٠	000	•		4			2							6			Е	
Chameleon	General Dynar	_						00		00	_	000					1			3							4		!		E
VHP Hunter	EFW Ft. Worth						3	42	80	00	12	200					1			6							7			Е	Ε
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		F Y	S V	Q T	D E	B A	C	N O	D E	J A	F E	M A	A P	Α	Ŋ	Ŋ	A U	S E	O C T	N O	D E	J A	Е	Α	Р	M A	Ŋ	U	A U	S E	
ITEM			С	Υ	L	L	Т	V	С	N	В	R	R	Υ	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	Р	
ABV		FY06	MC	18	0	18																	Α			1					•
Chameleon		FY06		3858	0	3858														Α			4	550	448		1125				
Hunter		FY06	MC	1142	0	1142														Α						400	400	342			
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ITEM		Υ	Ċ	Y	Ĺ	Ĺ	Ť	V	C	N	В	R	P R	Y	N	Ĺ	Ğ	P	Ť	V	c	N	E B	R	R	Y	N	Ĺ	Ğ	P	I
ABV		FY06	МС	18	1	17								1	2	2	2	2	2	2	2	2		H					\vdash		
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	Exhibit P-4	40, Budget Item J	lustification	Sheet		Date:		February 2006		
Appropriation / Budget Activity/Se	rial No:			P-1 Item Nomencla	ture:	-				
Procurement, Marine Corps (1109	9) / BA6 - Engineer and Other Equipr	ment				Amp	hibious Raid Equipn	nent		
Program Element:		Code:	Other Related Prog	ram Elements:						
0206211M Division	ns (Marine)									
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty										
Gross Cost	30.2	62.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	92.4
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	30.2	62.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	92.4
Initial Spares	0.2	0.1								0.1
Total Proc Cost	30.4	62.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	92.4
Flyaway U/C										
Wpn Sys Proc U/C										

Underwater Breathing Apparatus - is a closed circuit (no bubbles) Oxygen Recirculator (rebreather).

Combat Rubber Reconnaissance Craft (CRRC) - is the Marine Corps' primary means of accomplishing amphibious raid and reconnaissance missions. Operational experience has identified the need for modifications to the CRRC.

Family of Small Craft Mods - will satisfy the safety and reliability, availability, and maintainability (RAM) issues associated with the Family of Small Craft Programs. The Small Unit Riverine Craft (SURC), Raid/Open Water Safety Craft (ROWSC), Combat Rubber Reconnaissance Craft (CRRC), Multi-Fuel Engines, and other small craft items will be supported by this line in the future as new craft and engines are fielded.

Family of Raid/Recon Equipment - is for multiple parachuting and specialized raid related projects. The program encompasses the close quarter battle ensemble used in various Marine units and parachuting equipment which will be used for reconnaissance in support of landing force operations. The acquisition program includes component sets and ancillary items of equipment which will provide integration to warfighting concepts of the 21st century. The program will enhance the means to systemize equipment; and further, it will increase combat multipliers, survivability, durability and functionality over that of the current inventory items.

Small Unit Riverine Craft (SURC) - will provide tactical mobility and a weapons platform for elements of a Marine Air Ground Task Force (MAGTF) Ground Combat Element (GCE) in the riverine environment.

		Date:	
Exhibit P-40, Budget Item Justification	Sheet	February 2006	
Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:		
Procurement, Marine Corps (1109) / BA6 - Engineer and Other Equipment		Amphibious Raid Equipment	

Underwater Reconnaissance Capability (URC) - consists of related end items, the Divers Propulsion Device (DPD), the Tactical Hydrographic Survey Equipment (THSE), and the Diver Equipment Enhancement Program (DEEP). DPD provides long range subsurface transport of reconnaissance Marines to conduct hydrographic surveys. The THSE provides subsurface hydrographic charting (electronically) of the landing beach approach lanes. DEEP is intended to support the Combatant Diver Display Mask (CDDM) with Combatant Diver Voice Communication (CDVC), Electronic Navigation Device (END), Scout Swimmer Suit (SSS), MK25 Mod 2 Replacement Reducer, Scout Swimmer/Crew Served Weapons Waterproof Bags (CSWB), and the Underwater Locator Beacon (ULB).

Precision Air Delivery- will be fielded as a precision air delivery concept. The Marine Corps has a requirement to conduct aerial delivery of supplies and equipment to dispersed or isolated forces. Current methods rely on rotary or fixed wing aircraft and associated parachute or sling-load rigging. U.S. military is currently developing the Joint Precision Air Drop System (JPADS). Each system includes a body, canopy, riggings, remote control, rechargeable batteries and software components. JPADS will provide an alternative, less risky and more precise method of delivering supplies in combat zones.

Amphibious Raid Equip - Supplemental funding for parachute equipment end items, the Advanced Ram Air Parachute System, the Tandem Offset Resupply Delivery System, the Cypress Automatic Opening Device, the Parachutist Individual Equipment Kit, the Parachutist Oxygen System, the Round Parachute Replacement, and the Round Parachute Reserve (XT-11R)/Harness (ATAPS) replacement. Also includes Close Quarter Battle Equipment for the Assault Breacher Kit.

Advanced Ram Air Parachute System - The MC-5 Static Line Convertible Ram Air Parachute System is an enhanced version of the MC-4 Freefall Ram Air Parachute System. This method is safer for the parachutist, because the static line deployment enables the automatic deployment of the main parachute immediately upon exit from the aircraft.

\$91.206M received in FY05 Emergency Supplemental \$41.687M pending ATR to BLI 6462 Material Handing Equipment

BLI 643400 Amphibious Raid Equipment was consolidated into new BLI 651800 Amphibious Support Equipment beginning in FY06.

Bli No. 643400 Item No. 71 Page 2 of 4

Exhibit P-40a, Budge	et Item	Justific	ation for	Aggrega	ted Items	S	Date:	February	2006	
Appropriation / Budget Activity						P-1 Item Nomenclatu	ıre:			
Procurement, Marine Corps (1109) / BA6 - Engineer and Other Equipment							An	nphibious Raid Equip	ment	
Procurement Items	Code	Prior Yrs	FY 2005	FY 2006	FY 2007				To Complete	Total Pro
Underwater Breathing Apparatus	A	0.8	1.4	0.0	0.0					
2 1/2 202										
Combat Rubber Reconnaissance Craft	Α	1.9	1.2	0.0	0.0					
Family of Small Craft Mods	Α	0.4	0.1	0.0	0.0					
Small Unit Riverine Craft	Α	12.8	0.7	0.0	0.0					
Precision Air Delivery	Α	0.0	1.9	0.0	0.0					
AMPHIBIOUS RAID EQUIPMENT										
Parachutist's High Altitute Oxygen System (PHAOS) PRE-BREATHER	Α	0.0	2.6	0.0	0.0					
Parachute Indivitual Equipment Kit (PIEK)	Α	0.0	1.8	0.0	0.0					
Tandem Offset Resupply Delivery System (TORDS)	Α	0.0	0.1	0.0	0.0					
Cypress Auto Opening Device	Α	0.0	0.7	0.0	0.0					
Assault Breacher Kit (ABK)	А	0.0	2.1	0.0	0.0					
Low Level Static Line Parachute SF10A	А	0.0	2.7	0.0	0.0					
Marine Individual Assault Kits (MIAK) Upgrades	Α	0.0	0.6	0.0	0.0					
TOTA	L	15.9	15.9	0.0	0.0					

Exhibit P-5,			dget Activity/Serial I	P-1 Line Item N				Weapon System	Type:	Date:	
Cost Analysis		#REF!			Amphibious R	aid Equipment				Febru	uary 2006
Weapon System	ID	PYs	-	FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Family of Raids and Recon Equipment		9504	10291	Various	Various						
Advanced Ram Air Parachute System			25018	Various	Various						
Special Operation Forces Tactical Advanced Parachute System (SOFTAPS) / T11R			5685	Various	Various						
Underwater Reconnaissance Capability			5307	Various	Various						
TOTAL Active Reserve		9504 9504	46301 43830								
BL = One block or set of equipment											

	Exhibit P-4	I0, Budget Item Justi	fication Shee	t		Date:		February 200	6	
Appropriation / Budget Activity/		<u> </u>		P-1 Item Nomencla	iture:	<u> </u>				
Procurement, Marine Corps (1	109) / Engineer and Other Equipment (6)					PHYSIC	CAL SECURITY EQU	JIPMENT		
Program Elements:		Code:	Other Related Pro	gram Elements:						
0206315M Fo	orce Service Support Group	A								
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty										
Gross Cost	48.4	7.6	4.8	5.2	5.3	5.4	5.6	5.8	Cont	Cont
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	0.0	7.6	4.8	5.2	5.3	5.4	5.6	5.8	Cont	Cont
Initial Spares										
Total Proc Cost	48.4	7.6	4.8	5.2	5.3	5.4	5.6	5.8	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, Department of Defense, Department of Navy, Marine Corps Physical Security and Antiterrorism Directives pertaining to security equipment and electronic security systems (ESS) 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.

Physical security systems include, but are not limited to, intrusion detection systems (IDS), automated entry control systems, assessment devices, closed-circuit television (CCTV) other surveillance equipment, and capital plant equipment specifically designed for physical security in military construction (MILCON) projects. These systems upgrade and replace antiquated systems that are costly to maintain and upgrade security in neglected areas.

FY 2005 through 2011 funds will be used to procure the following:

Flight line Security System: Anacostia, DC (Utility Locate Svc for ESS Upgrade); Beaufort, SC (Beaufort - Ethernet Extension; CCTV on Hangar 418); Cherry Point, NC (Flight line CCTV Installation); Futenma, Okinawa (Flight line Upgrade; Replacement Facility Planning); Iwakuni, Japan (Flight line Upgrade; New Consolidated Armory; New Air Terminal CCTV); Kaneohe-Bay, HI (Flight line Upgrade); Miramar (Flight Line Upgrade; Fire Alarm Separation); New River, NC (Flight Line Upgrade; Geiger Armory); MCAS Pendleton, CA (Flight Line Upgrade); Yuma, AZ (Flight Line Upgrade).

Arms, Ammunition, and Explosives (AA&E): Albany, GA (Armory); Barstow, CA (Reserve Armories); Lejeune, NC (Upgrade Spread Spectrum Comm Links).

Expeditionary Electronic Security System: Deployable electronic security system to enhance security at Forward Operating Bases. Includes Personal Computer based command and control, various intrusion detection sensors (long range radars, infrared and seismic sensors), video surveillance equipment, access control (card readers and controlled gates) and mass notification equipment.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bud Procurement, Man			nd Other Equipment	(6)	P-1 Line Item No	menclature: SECURITY EQUIP	MENT	Weapon System	Type:	Date:	ruary 2006
-	ın		FY 05			FY 06			EV 07			. 00	1001) 2000
Weapon System	ID CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	FY 07 Qty	UnitCost	TotalCost	Qty	UnitCost
Cost Elements	CD	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
FLIGHTLINE SECURITY SYSTEM	1	1949	Eacii	Φ	2231	Eath	Ψ	2617		Φ	3000	Eacii	J
ARMS, AMMUNITION, AND EXPLOSIVES SITES		2856			2564			2588					
EXPEDITIONARY DEPLOYMENT ELECTRONIC SECURITY	Y	2778											
Total		7583			4795			5205					
10141		7505			4733			3200					
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				1							ĺ		

	Exhibit P	-40, Budget Item Jus	ification She	et		Date:		February 200	6	
Appropriation / Budget Activity/	/Serial No:			P-1 Item Nomencl	ature:					
Procurement, Marine Corps (1	109) / Engineer and Other Equipment (6)					GARRISON F	ROPERTY, PLANT	& EQUIPMENT		
Program Elements:		Code:	Other Related	Program Elements:						
0206496M Base O	perations, Forces (Marine Corps)	A								
	Prior Years	FY 200	5 FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty										
Gross Cost	36.2	12.0	10.3	11.2	12.4	11.7	14.2	9.8	Cont	Cont
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	36.2	12.0	10.3	11.2	12.4	11.7	14.2	9.8	Cont	Cont
Initial Spares										
Total Proc Cost	36.2	12.0	10.3	11.2	12.4	11.7	14.2	9.8	Cont	Cont
Flyaway U/C										
Wpn Sys Proc U/C										

Command Support Equipment - Funds in this line provide for the procurement/replacement Class 3 (non-industrial) and Class 4 (industrial) equipment to support the operation and mission of ground bases, air stations and Marine Corps Districts.

Garrison Mobile Engineer Equipment (GMEE) - Funds in this line provide for the procurement of centrally managed 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 include Motor graders, crawler tractors, wheel tractors, and crash cranes. The procurement source is Defense Supply Construction Center (DSCC).

Material Handling Equipment (MHE) (Bases and Stations)- Funds in this line provide for the replacement of centrally managed forklifts, warehouse cranes, and 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 Department of Defense (DoD) directives.

Warehouse Modernization - Funds in this line provide for more efficient use of limited warehouse space. This program enables procurement of equipment essential to the efficiency and economy of storage/packaging operations, maximizes and improves the utilization of manpower, cubic storage space, and provides timely support for deployment actions.

Mobile Command Posts - Funds in this line provide for the procurement of mobile incident command and control vehicles whose capability will allow for maximum coordination with other emergency response agencies, both on and off Marine Corps installations, 24 hours a day, year-round.

Exhibit P-40a, Budge	at Itar	n Justifica	tion for A	Aggregate	ad Itams		Date:		February 20	106	
Appropriation / Budget Activity Procurement, Marine Corps (1109) / Communications and Elect				.ggregat	P-1 Item Nome	nclature:	GARRISON P	ROPERTY, PLAN			
Procurement Items	Code	Prior Years	FY 2005	FY 2006	FY 2007					To Complete	Total Prog
29 PALMS SUPPORT EQUIPMENT	Α	0.0	1.5	0.0	0.0						
COMMAND SUPPORT EQUIPMENT (Moved from BLI 667000)	Α	1.2	0.8	0.5	0.7						
GARRISON MOBILE ENG EQUIP	Α	25.6	4.9	4.9	4.9						
MHE BASES AND STATIONS (Moved from BLI 646200)	Α	6.0	3.2	3.5	4.0						
WAREHOUSE MODERNIZATION (Moved from BLI 667000)	Α	3.1	1.6	1.5	1.6						
Totals		35.9	12.0	10.3	11.2						

	Exhibit P	-40, Budget Item Jus	ification She	et		Date:		February 200	6	
Appropriation / Budget Activity/	/Serial No:			P-1 Item Nomencl	ature:					
Procurement, Marine Corps (1	109) / Engineer and Other Equipment (6)					GARRISON F	ROPERTY, PLANT	& EQUIPMENT		
Program Elements:		Code:	Other Related	Program Elements:						
0206496M Base O	perations, Forces (Marine Corps)	A								
	Prior Years	FY 200	5 FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty										
Gross Cost	36.2	12.0	10.3	11.2	12.4	11.7	14.2	9.8	Cont	Cont
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	36.2	12.0	10.3	11.2	12.4	11.7	14.2	9.8	Cont	Cont
Initial Spares										
Total Proc Cost	36.2	12.0	10.3	11.2	12.4	11.7	14.2	9.8	Cont	Cont
Flyaway U/C										
Wpn Sys Proc U/C										

Command Support Equipment - Funds in this line provide for the procurement/replacement Class 3 (non-industrial) and Class 4 (industrial) equipment to support the operation and mission of ground bases, air stations and Marine Corps Districts.

Garrison Mobile Engineer Equipment (GMEE) - Funds in this line provide for the procurement of centrally managed 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 include Motor graders, crawler tractors, wheel tractors, and crash cranes. The procurement source is Defense Supply Construction Center (DSCC).

Material Handling Equipment (MHE) (Bases and Stations)- Funds in this line provide for the replacement of centrally managed forklifts, warehouse cranes, and 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 Department of Defense (DoD) directives.

Warehouse Modernization - Funds in this line provide for more efficient use of limited warehouse space. This program enables procurement of equipment essential to the efficiency and economy of storage/packaging operations, maximizes and improves the utilization of manpower, cubic storage space, and provides timely support for deployment actions.

Mobile Command Posts - Funds in this line provide for the procurement of mobile incident command and control vehicles whose capability will allow for maximum coordination with other emergency response agencies, both on and off Marine Corps installations, 24 hours a day, year-round.

Exhibit P-40a, Budge	at Itar	n Justifica	tion for A	Aggregate	ad Itams		Date:		February 20	106	
Appropriation / Budget Activity Procurement, Marine Corps (1109) / Communications and Elect				.ggregat	P-1 Item Nome	nclature:	GARRISON P	ROPERTY, PLAN			
Procurement Items	Code	Prior Years	FY 2005	FY 2006	FY 2007					To Complete	Total Prog
29 PALMS SUPPORT EQUIPMENT	Α	0.0	1.5	0.0	0.0						
COMMAND SUPPORT EQUIPMENT (Moved from BLI 667000)	Α	1.2	0.8	0.5	0.7						
GARRISON MOBILE ENG EQUIP	Α	25.6	4.9	4.9	4.9						
MHE BASES AND STATIONS (Moved from BLI 646200)	Α	6.0	3.2	3.5	4.0						
WAREHOUSE MODERNIZATION (Moved from BLI 667000)	Α	3.1	1.6	1.5	1.6						
Totals		35.9	12.0	10.3	11.2						

	Exhibit P-4	l0, Budget I	tem Justific	cation Sheet			Date:		February 2006	6	
Appropriation / Budget Activity	/Serial No:				P-1 Item Nomencla	ture:					
Procurement, Marine Corps (1	109) / Engineer and Other Equipment (6)						FAMILY OF M	ATERIAL HANDLIN	G EQUIPMENT		
Program Elements:			Code:	Other Related Prog	ram Elements:						
0206315M Fo	orce Service Support Group		Α								
	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty											
Gross Cost	106.1		107.1	20.0	17.0	18.6	20.0	20.3	20.7	Cont	Cont
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	106.1		107.1	20.0	17.0	18.6	20.0	20.3	20.7	Cont	Cont
Initial Spares			0.1	0.1	0.1	0.1	0.1	0.1	0.1	Cont	Cont
Total Proc Cost	106.1		107.2	20.1	17.1	18.7	20.1	20.4	20.8	Cont	Cont
Flyaway U/C											•
Wpn Sys Proc U/C											

FAMILY OF MATERIAL HANDLING EQUIPMENT

The Material Handling Equipment (MHE) line is a roll-up line that funds for the replacement/service life extension of Mobile Equipment Engineer Equipment which includes forklifts, cranes, and container handlers. The replacement/service life extension 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 Department of Defense (DoD) directives. This roll-up line includes funding for the the Extended Boom Forklift (EBFL), the Tractor, Rubber Tired, Articulated Steering, Multi-Purpose (TRAM) with buckets and fork attachments, the Next Generation Container Handler, the High Speed Mobile Crane (25 ton) and the Light Capability Rough Terrain Crane (7.5 ton).

\$27.575M Received FY05 Emergency Supplemental Funding

\$41.687M Pending ATR in FY05 from BLI 6434 Amphibious Raid Equipment

								Date:				
Exhibit P-40a	, Bud	lget Iter	n Justifica	tion for A	ggregate	d Items				February 2000	6	
Appropriation / Budget Activity						P-1 Item Nome	nclature:					
Procurement, Marine Corps (1109) / Engineer	and Othe							FAMILY OF N	MATERIAL HAN	DLING EQUIPMENT	•	
Procurement Items	Code	UOM	Prior Years	FY 2005	FY 2006	FY 2007						
WE 11.0/0				0.0	0.0	0.0						
MHE ILS/Support/Travel/Training	Α	D		2.2	2.2	2.3						
Fork Attachments		D		1.4								
		Q		88								
Davids a Table		D		4.0								
Backhoe Tools		Q		1.2 32								
	\vdash	ų.		32							 	
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Totals				4.8	2.2	2.3						
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Exhibit P-5,	1	Appropriation/ Bud	get Activity/Serial N	P-1 Line Ite	m Nomenclature:			Weapon System	Гуре:	Date:	
Cost Analysis		Procurement, Ma	rine Corps (1109) / her Equipment (6)			HANDLING EQUIF	PMENT			Febr	uary 2006
Weapon System	ID	PYs		FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Family of Material Handling Equipment											
Extended Boom ForkLift (EBFL) New Gen Rough Terrain Cont Handler (NRTCH) High Speed Mobile Crane (25 Ton) Light Crane (7.5 Ton) Light Rough Terrain Forklift (LRTF)		17068	16648 44894 24627 10430 5781	76 36	98509 590711 684083 91491 70500	10135 7227 478	11	657000	5576 9198		506909 657000
TOTAL Active Reserve		17068 17068	102380 102380			17840 17840			14774 14774		

Exhib Appropriation / Budget Activity/Serial No:		Weapon Syst	tem Type:		P-1 Line Item	Nomenclature	j.			
0206315M Force Service S	upport Group				Line item		MATERIAL HANDL	ING EQU	IPMENT	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Iss
Fiscal Years		and Type			Delivery	Each	\$		Avail	\vdash
Extended Boom Forklift (EBFL)										
FY05	JLG, McConnellsburg, PA	FFP	MCSC Quantico, VA	Oct-04	Jan-05	169	98509	Yes	No	N/A
New Generation Rough Terrain Cont Handler										
FY05	Kalmar, Cibolo, TX	MIPR	TACOM, Warren MI	Dec-04	Mar-05	76	590711		No	N/A
FY06	Kalmar, Cibolo, TX	MIPR	TACOM, Warren MI	Mar-06	Jun-06	20	506750	Yes	No	N/A
FY07	Kalmar, Cibolo, TX	MIPR	TACOM, Warren MI	Oct-06	Jan-07	11	506909	Yes	No	N/A
High Speed Mobile Crane (25 Ton)										
FY05	Terex, Westport, CT	FFP	MCSC Quantico, VA	Aug-05	May-06	36	684083	Yes	No	N/A
FY06	Terex, Westport, CT	FFP	MCSC Quantico, VA	Mar-06	Apr-07	11	657000	Yes	No	N/A
FY07	Terex, Westport, CT	FFP	MCSC Quantico, VA	Oct-06	May-07	14	657000	Yes	No	N/A
Light Crane (7.5 Ton)										
FY05	MCA, Albany, GA	FFP	MCSC Quantico, VA	Oct-04	Jan-05	114	91491	Yes	No	N/A
FY06	MCA, Albany, GA	FFP	MCSC Quantico, VA	Mar-06	Apr-06	5	95600	Yes	No	N/A
Light Rough Terrain Forklift (LRTF) FY05	DSCP Philadelphia, PA	FFP	DSCP Philadelphia, PA	Jun-05	Dec-05	82	70500	Yes	No	N/A
-105	DSCP Philadelphia, PA	FFF	DSCP Philiadelphia, PA	Juli-05	Dec-05	02	70500	res	INO	IN/A
REMARKS:				1	<u> </u>					

FY 07 BUDGET EXHIB	T P-21, PRODUCT	ON S	CHE	DULE																Date) :			ı	Febru	uary 2	2006				
Appropriation Code/CC/BA/BS. Procurement, Marine Corps (1)							Wea	pon S	Syste	m				P-1	Item	Nom				F M	ATE	RIAL	. HAI					1ENT	<u></u>		
, 111	•						PI	ROD	UCT	ION	RAT	ГΕ		-	PI	ROC	URE														
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NEW GENERATION RTCH	Kalimar, Cibolo	, TX						1	3	3	ţ	5					2			3							5	_		_	_
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TEM NEW GENERATION RTCH	1	FY05	MC	76	0	76	-		Α			4	4	4	-	5	5	5		-	5	5	5		5	5		1	₩	Ш	┢
NEW GENERATION RICE		FY06		20	0	20	1		А			4	4	4	5	5	5	5	5	5	5	5	5	5 A	5	5	3		5	5	-
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TEM NEW GENERATION RTCH	1	FY06	MC	20	10	4	4	4	1	4																		┢	₩	Ш	┢
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FY 07 BUDGET EXHIBIT	P-21, PRODUCTI	ON S	CHE	DULE																Date	:				Febri	uary 2	2006				
Appropriation Code/CC/BA/BSA/ Procurement, Marine Corps (110							Wea	pon S	Syste	m				P-1	Item	Nom	enclat		Y OI	F MA	ATE	RIAL	. HA					1EN7	F		
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TEM	Manufacturer's N	AME / LO	CATION				М	SR	EC	ON	M	AX		T P Oc	rior t 1		T Af Oct 1			nitia g Pl			eord fg P			то	TAL			t of asu	
HIGH SPPED MOBILE CRANE	Terex, Westpor	t CT					,	3	4	1	ŧ	3					10			7						1	17				
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			S	Q	D	В	0	N	D	J	F	М	Α	М	J	J	A	s	0	N	D	.I	F	м	Α.	м	J	J	Α	S	N C
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HIGH SPEED MOBILE CRA	NE		MC	36	0	36											Α									1					;
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HIGH SPEED MOBILE CRA	NE		MC	36	1	35	<u> </u>	6	6	6	6	6	5	L	L,	-													<u> </u>		
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	Exhibi	t P-40, Budget	ltem Justific	cation Sheet			Date:	F	EBRUARY 20	06	
Appropriation / Budget Activi	ty/Serial No:				P-1 Item Nomencla	iture:					
Procurement, Marine Corps	(1109) / Engineer and Other Equipme	ent (6)					FIRST DES	STINATION TRANS	PORTATION		
Program Elements:			Code:	Other Related Prog	gram Elements:						
0206315M F	Force Service Support Group										
	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty											
Gross Cost	42.1		5.6	3.2	5.2	7.0	6.1	4.8	2.6	Cont	Cont
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	33.7		5.6	3.2	5.2	7.0	6.1	4.8	2.6	Cont	Cont
Initial Spares											
Total Proc Cost	33.7		5.6	3.2	5.2	7.0	6.1	4.8	2.6	Cont	Cont
Flyaway U/C											
Wpn Sys Proc U/C											

Exhibit P-5, Weapon Cost Analysis		Appropriation/ Budget Procurement, Marine (Other Equipment (6)		eer and	P-1 Line Item Nor FIRST DEST	menclature: INATION TRANSPO	PRTATION	Weapon System	Туре:	Date: FEBRI	JARY 2006
Weapon System	ID	Prior Year		FY 05			FY 06	1		FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
Oost Elements	- 05				\$			\$			\$
First Destination Transportation		\$000 8384	\$000 5595	Each		\$000	Each		\$000 5216	Each	
TOTAL		8384	5595			3240			5216		

	Exhibit	P-40, Budget Item Justifi	cation Sheet			Date:		February 200	6	
Appropriation / Budget Activity/	Serial No:			P-1 Item Nomencla	ture:					
Procurement, Marine Corp	s (1109) / Engineer and Other Equ	uipment (6)				FAMILY OF IN	ICIDENT RESPO	NSE SYSTEMS		
Program Elements:		Code:	Other Related Prog	ram Elements:						
0206315M Fo	orce Service Support Group	A								
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty										
Gross Cost	8.2	2.3	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	8.2	2.3	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Initial Spares	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Total Proc Cost	8.2	2.3	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Flyaway U/C										
Wpn Sys Proc U/C										

The Family of Incident Response Systems (FIRS) consists of equipment, systems, and services designed to provide weapons of mass destruction (WMD) incident response forces the capabilities they need to effectively respond to a terrorist attack using Chemical, Biological, Radiological, Nuclear, and High-Yield Explosives (CBRNE) weapons of mass destruction. The Family Incident Response Systems meets the mission requirements for the detection, mass casualty decontamination, force protection, responder inter-agency interoperability, C4I, urban search and rescue, medical, and general support requirements needed by these forces to mitigate the effects of a CBRNE terrorist attack. The Family Incident Response Systems relies primarily on Commercial Off-The-Shelf/Non-Developmental Items (COTS/NDI) equipment and systems that meet the particular mission requirements of Consequence Management (CM). Nuclear, Biological, and Chemical (NBC) systems are adopted if they meet the CM mission requirements.

Family of Incident Response System (FIRS) is comprised of:

Chemical/Biological Incident Response Force (CBIRF) is a task organized unit that, when directed, will forward-deploy and/or respond to a credible threat of a chemical, biological, radiological, nuclear, or high yield explosive (CBRNE) incident to assist local, state, or federal agencies and designated Combatant Commanders in the conduct of consequence management operations by providing capabilities for agent detection and identification, casualty search, rescue, and personnel decontamination; and emergency medical care and stabilization of contaminated personnel.

The Marine Expeditionary Unit Enhanced Nuclear, Biological, and Chemical (E-NBC) Force Protection Sets: E-NBC Force Protection Set is a tailored set of COTS consequence management equipment, modeled on CBIRF capabilities, that provides the Marine Expeditionary Unit (MEU) Commander an enhanced capability to provide force protection above that available from his normal NBC defensive equipment.

4th Marine Expeditionary Brigade (Anti-Terrorist) (MEB (AT)): 4th MEB (AT) was formed after the attacks on 11 September 2001. Specific units of the 4th MEB (AT) will be equipped and trained for the use of consequence management COTS equipment that allows these units the capability to conduct limited consequence management operations to support the Combatant Commanders and U.S. Embassies.

The Lightweight Decontamination System (LDS) is a compact, lightweight, portable decontamination system. It consists of an engine, a self-priming pump for drawing and pressurizing water, a fan assembly to deliver combustion air to the heater, a water heater, a self-priming pump for the heater fuel system, and a small generator to supply electricity for ignition and safety control functions. The LDS is transportable by 3/4-ton trailer, 5/4-ton cargo trucks, cargo aircraft, and helicopters (sling load).

BLI 652100 Family of Incident Response Systems was consolidated into BLI 667000 Items Less than \$5M beginning in FY06.

FY05 Supplemental Funding Received for Light Weight Decontamination Systems: \$84K.

l .	Exhibit P-40a, Budget Item Justification for Aggrega								Date: ated Items February 2006					
Appropriation / Budget Activity	Exhibit i -40a, Bud	get ite	iii oustiiica		iggi egate	P-1 Item Nomenclature:								
Procurement, Marine Corps (1	109) / Communications and	Electronic	Equipment (4)			i - i item i vomer		AMILY OF IN	CIDENT RESE	PONSE SYSTE	EMS			
Procurement Items	Code	UOM	Prior Years	FY 2005	FY 2006	FY 2007					To Complete	Total Prog		
CBIRF	А	D		1.7	0.0	0.0				-				
		Q												
E-NBC	А	D		0.3	0.0	0.0								
		Q												
4th MEB	А	D		0.2	0.0	0.0								
		Q												
LDS	А	D		0.1	0.0	0.0								
		Q												
Total				2.3	0.0	0.0								

	Exhibit P	-40, Budget Item Justifi	cation Sheet			Date: February 2006					
	Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6)			P-1 Item Nomenclature: FAMILY OF FIELD MEDICAL EQUIPMENT							
Program Elements:	Program Elements: Code: Other Related Pro			ram Elements:							
0206315M For	rce Service Support Group	Α									
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog	
Proc Qty											
Gross Cost	70.1	8.0	12.2	3.2	0.6	3.3	3.4	3.5	Cont	Cont	
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	70.1	8.0	12.2	3.2	0.6	3.3	3.4	3.5	Cont	Cont	
Initial Spares	0.2	0.4	0.2	0.3	0.3	0.2	0.2	0.2	Cont	Cont	
Total Proc Cost	70.3	8.4	12.5	3.5	0.9	3.6	3.7	3.8	Cont	Cont	
Flyaway U/C											
Wpn Sys Proc U/C										·	

Family of Field Medical Equipment (FFME) will consolidate medical expeditionary capabilities with supply chain management of consumables and equipment to provide patient stabilization, sustainment and evacuation from the battlefield through all echelons of care. FFME provides first and second echelon medical and dental equipment supplies and medical care to the war fighter in the theater of operations. It provides the en-route care necessary to transport wounded and sick Marines to either a ship or shore medical facility and continues to reduce the medical foot print in theater while enhancing medical capabilities. Programs such as Forward Resuscitative Surgery, En-Route Care and Digital Radiology provide austere but adequate medical capabilities that will support the Marine Corps expeditionary mission delineated in Expeditionary Maneuver Warfare and Marine Corps Strategy 21.

Portable Rapid Infusion Pump is portable and can infuse any and all medical fluilds i.e. blood, plasma volume expanders.

Hemacool Portable Low Power Blood Cooling Storage program is a field portable blood storage and plasma freezer. The cooler also transports vaccines and medications, and frozen plasma. Enhancements to the cooler are: battery powered, universal (world wide) electric rechargeable and solar powered capable. The blood cooler's designed to prolong the holds whole blood and frozen plasma. FY 05 and FY 06 Congressional Plus-up.

RW CASEVAC Kits (OIF) - Casualty Evacuation System provides the capability to assist medium and heavy rotary wing aircraft to evacuate Marine casualties.

Family of Field Medical Equipment directly in support of GWOT. Will provide first and second echelon medical and dental equipment supplies and medical care to the war fighter in the theater of operations. Programs such as Forward Resuscitative Surgery System (FRSS), Shock Trauma Platoon (STP), Field Operating Room, Digital Radiology and Field Dental Operatory provide austere but adequate medical capabilities that will support the Marine Corps expeditionary mission delineated in Expeditionary Maneuver Warfare and Marine Corps Strategy 21. The below medical systems are in particular demand for use in the Global war on Terror (GWOT). FRSS and STP provides surgical capability that is critical in providing life and limb emergency surgery in a far-forward setting with little or no support. The Field Operating Room, coupled with the X-ray provide field medical care in a more stable setting with more support. These capabilities have all been used extensively by Navy personnel attached to Marine Corps units in providing immediate support to critically wounded and injured Marines in Iraq. In addition, these assets have been utilized in Afghanistan and for earthquake relief in Pakistan. These assets are imperative for GWOT success.

\$8.5M received in Title IX funding

Exhibit P-40a, Bud	act Iton	n lustification	for Aggregate	nd Itame			Date:	Fabruary (2006		
Appropriation / Budget Activity	get itel	ii Justiiicatioi	Tor Aggregate	eu items	P-1 Item Nomeno	clature:		February 2	2006		
Procurement, Marine Corps (1109) / Engineer and Other Equ	ipment (6)				FAMILY OF FIELD MEDICAL EQUIPMENT						
Procurement Items	Code	Prior Years	FY 2005	FY 2006	FY 2007					To Complete	Total Prog
Enroute Care	D	0.0	3.9	2.3	3.2						
	Q		VAR	VAR	VAR						
		1.0		0.0	0.0						
Dental Digital Radiography	D	1.8	1.4	0.0	0.0						
	Q		VAR								
Portable IV Infusion Pump	D	0.0	1.5	0.0	0.0						
	Q		VAR								
PORTABLE Low Power Blood Cooling & Storage	D	0.0	1.1	1.4	0.0						
	Q		221								
RW CASEVAC Systems (OIF)	D	0.0	0.1	0.0	0.0						
	Q		10								
TITLE IX											
Field X-Ray Equipment			0.0	0.5	0.0						
Operating Room Equipment			0.0	2.8	0.0						
Forward Resuscitative Surgery System (FRSS)			0.0	1.9	0.0						
Digital Cental X-Ray			0.0	1.0	0.0						
Shock Trauma Platoon			0.0	2.3	0.0						
					 			 			
 Total			8.0	12.2	3.2						
			0.0	12.2	V.E						

						Date:						
	Exhibit P-4	40, Budget Item J	Justification	Sheet		September 2005						
Appropriation / Budget Activity	/Serial No:			P-1 Item Nomenclature:								
Procurement, Marine Corps (1	109) / Engineer and Other Equipr	ment (6)				FAMI	LY OF EOD EQUIP	MENT				
Program Elements:		Code:	Other Related Prog	ram Elements:								
0206315M Fo	orce Service Support Group											
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog		
Proc Qty												
Gross Cost	168.6	182.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	351.4		
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	168.6	182.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	351.4		
Initial Spares		2.9										
Total Proc Cost	168.6	185.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	354.3		
Flyaway U/C												
Wpn Sys Proc U/C										•		

Family of EOD Equipment: The Explosive Ordnance Disposal (EOD) mission provides a means to neutralize the hazards associated with explosive ordnance that are beyond the normal capabilities of other specialties that present a threat to operations, installations, personnel and material. The Family of EOD Equipment accomplishes this mission by detecting, identifying, rendering safe, recovering, evacuating and disassembling, and/or disposing of unexploded ordnance with a variety of tools which include Disposable Robots, Hand Held FLIR Scopes, and Channel Pecan and Channel Beech Countermine Measures.

FY05 includes \$166.9M Supplemental funding for Counter IED equipment.

							Date:					
Exhibit P-40a,	Budget Iter	n Justification fo	or Aggregated Iter	ns				Se	eptember 20	005		
Appropriation / Budget Activity					P-1 Item Nome	enclature:						
Procurement, Marine Corps	(1109) / Engineer a	and Other Equipment (6)			FAMILY OF EOD EQUIPMENT							
Procurement Items	Code	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	e Total Prog	
BACKSCATTER X RAY SYSTEM (GWOT)	A	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	
	Q		2									
FSRG Individual Demolition Equipment	А	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	
	Q		1									
ICE/IAW (OIF)	A	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	
	Q		206									
Robotic Units (GWOT)	A	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	
	Q	0.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
XRAY Machines		0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	
AKAT Wacilines	A Q	0.0	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	
Individual Demolition Equip	A	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	
	Q											
RG-31 MCTAGS	А	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	
	Q										<u> </u>	
TOTAL		0.0	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	

Exhibit P-5, Weapon		Appropriation/ Bu Procurement.			eer and Other Equip	ment (6)	P-1 Line Item No FAMILY 0	menclature: OF EOD EQUIPM	ENT	Weapon System	Туре:	Date:	
WPN SYST Cost Analysis		1 Toodromon,		po (1100) / E.i.g.i.i.	or and other Equip		.,,,,,,						ember 2005
Weapon System	ID CD	TotalCost	Qty	UnitCost	TotalCost	FY 05 Qty	UnitCost	TotalCost	FY 06 Qty	UnitCost	TotalCost	FY 07 Qty	UnitCos
Cost Elements	CD	\$000			\$000	Each	\$	\$000			\$000		
Cougar IED					59,486	88	675,977						
Family of EOD Equipment					5,184	Var	Var						
Hardened Engineer Vehicles (GWOT)					6,700	12	558,333						
CE Sytems					28,228	2,000	14,114						
Robotics					32,354	Var	Var						
Buffalo Armored Troop Carrier					4,037	4	1,009						
Backscatters					39,627	32	1,238						
Fatal					175,616								
otal Active					1/5,010								
Reserve													

								Date:				
	hibit P-5a, Budget Procurement							S	September	2005		
Appropriation / Budget Activity/Serial No:		Weapon System Type: P-1 Line Item Nomenclature: FAMILY OF EOD EQU										
Procurement, Marine Corps (1109) / Er	ngineer and Other Equipment (6)	0	•			RFP Issu						
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	Date		
Fiscal Years		and Type			Delivery	Each	\$		Avail			
Cougar IED	FPI, Charleston, SC		Quantico, VA	Jun-05	Aug-05	88	676,136	Y		Jun-0		
Family of EOD Equipment	Various		Various	Var	Var	Var	Var	Υ		Var		
Hardened Engineer Vehicles (GWOT)	FPI, Charleston, SC		Quantico, VA	Mar-05	Apr-05	12	558,333	Υ		Mar-0		
ICE Sytems	Army Research Lab, Wash DC		Washington, DC	Jul-05	Sep-05	2,000	14,114	Υ		Jul-05		
Robotics	NAVEOD		Indian Head, MD	Var	Var	Var	, Var	Υ		Var		
Buffalo Armored Troop Carrier	MCSC		Quantico, VA	Sep-05		4	1009			N/A		
Backscatter	American Science Eng, Billerica, MA		Quantico, VA	Aug-05		16	1238	Υ		N/A		
REMARKS:												

	Exhibit P-4		Date: February 2006								
Appropriation / Budget Activity	/Serial No:			P-1 Item Nomenclature:							
Procurement, Marine Corps (1109) / Engineer and Other Equipment (6)					TR	AINING DEVIC	CES				
Program Element: Code: Other Related Prog			gram Elements:								
020621	1M Divisions (Marine)	A									
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog	
Proc Qty											
Gross Cost	303.7	96.5	57.6	13.8	30.7	55.9	17.9	18.6	Cont	Cont	
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	303.7	96.5	57.6	13.8	30.7	55.9	17.9	18.6	Cont	Cont	
Initial Spares	11.7	0.5	0.2	0.1	0.0	0.1	0.1	0.1	Cont	Cont	
Total Proc Cost	315.4	97.0	57.8	13.9	30.7	56.0	17.9	18.7	Cont	Cont	
Flyaway U/C											
Wpn Sys Proc U/C											

COMBINED ARMS COMMAND AND CONTROL TRAINER UPGRADE SYSTEM (CACCTUS) will upgrade the existing five (5) Combined Arms Staff Trainers (CAST) to provide a more realistic training opportunity for Marine Air Ground Task Force (MAGTF) staff elements in the areas of fire support employment, coordination, and integration. The upgraded system will provide interoperability between all CAST sites, all Marine Corps Ground training systems and will support joint training exercises. In addition, the upgrade will allow for the development of mission plans, rehearsal of developed plans, tools to support after-action and debrief; and will be interoperable with operational Communications Command Contol Computers and Intelligence (C4I) tactical data system. All systems will be integrate through a common network architecture and will provide the ability to accomplish distributed and integrated team training.

COMBAT VEHICLE APPENDED TRAINER (CVAT) will comprise a family of combat vehicle trainers that will provide appropriate training solutions for current M1A1 Tank and Light Armored Vehicle (LAV) training deficiencies as identified in the CVAT Training Situation Analysis (TSA) and Operational Requirements Document (ORD). In combination with existing training resources, to include academics, simulators, and live fire and maneuver exercises, CVAT will round out an overall training system that provides comprehensive gunnery, maneuver, and tactical training for the Marine Corps combat vehicle crews. The deployable trainer provides LAV and M1A1 gunnery training to Marines at their using unit and at their deployed location. The deployable Combat Vehicle Training System - Light Armored Vehicle

CVTS-LAV and CVTS-M1A1 provides the ability to maintain gunnery and tactical skill proficiency by utilizing a combat vehicle simulator. The regular or institutional trainer completes the table of organization (T/O) quantities for this item which were not purchased due to lack of funds. The institutional CVTS-LAV provides familiarization, proficiency, sustainment, and cross training at individual, crew, section, and platoon levels. In addition, the institutional CVTS-LAV provides ability to maintain gunnery and tactical skill proficiency and crew communication and coordination by utilizing a combat vehicle simulator.

COMMAND AND CONTROL(C2) SYSTEMS TRAINING provides hardware support for refresh of MAGTF Information System Training Centers (MISTCs).

FY05 Supplemental Funding Received: \$42.46M

		Date:
Exhibit P-40, Budget Item Justification Sheet	February 2006	
Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:	
Procurement, Marine Corps (1109) / Engineer and Other Equipment (6)		TRAINING DEVICES

COMMON RANGE INSTRUMENTATION SYSTEM (CRIS) is a fully reprogrammable scaleable Force-on-Force mobile high-fidelity Instrumentation system supporting both USMC testing and training mission areas. Current US Marine Corps Training is conducted with MILES 2000 laser tag devices providing only local hit and kill indications on the battlefield. CRIS enhances existing USMC MILES 2000 by adding Global Positioning System (GPS), a radio, and processing to enable realistic battlefield simulations of both direct and indirect fire missions. CRIS provides the USMC with a Mobile Range Operations Center and communications network to monitor and record the exercise in real-time and prepare automated After Action Reviews for the Marines.

DEPLOYABLE VIRTUAL TRAINING ENVIRONMENT (DVTE) procures hardware computers that provide first person skills sustainment training using a simulation network with reconfigurable workstations capable of emulating a variety of weapon systems. Individuals select the weapon, vehicle, or leadership billet desired, then join a virtual battle space where others and synthetic forces are engaged in virtual operations. Individual Marine Air Ground Task Force (MAGTF) skills can be trained in this virtual environment using a Semi-Autonomous Force (JSAF) model as its basis. The project responds to the need for a flexible, DEPLOYABLE, training system that provides combined arms MAGTF and Naval Integration training.

DISTANCE LEARNING provides effective training by using modern instructional technologies (interactive software/ courseware) and remote delivery systems (local and wide-area networks (LAN/WAN)). Funds are primarily required for integration and installation and to procure the hardware to support an expanding distance learning structure base.

INDOOR SIMULATED MARKSMANSHIP TRAINER (ENHANCED) (ISMT(E)) is an interactive video weapons simulator that provides enhanced marksmanship training and weapons proficiency. The system consists of modified infantry weapons that use laser to engage video and lane scenarios. The scenarios realistically replicate range firing for qualification, combat and shoot/no-shoot decision making situations. (Funding will be used for enhancements to existing systems, collision detection, intelligent enemy forces, and improved terrain database fidelity will be integrated into the system.)

JOINT NATIONAL TRAINING CENTER (JNTC) INVESTMENT modernizes USMC ranges accomplishing Joint and Coalition Training by converging component training with other forces at participating Joint National Training Capability (JNTC) ranges and with the standing Joint Task Force (JTF), Suffolk, VA. The Marine Corps JNTC strategy is to integrate Live, Virtual, and Constructive (L-V-C) training environments. Funds will procure range instrumentation and simulation to digitally capture dismounted infantry and weapon system platform operations, record command and control communications for after action, provide integrated targetry, battlefield effects, and Military Operation in Urban Terrain (MOUT) training environments for Operational Force (OPFOR) realism, and transfers the correlated digital exercise picture to other JNTC recipients and the Joint Training and Simulation Center (JTASC) within the Joint Forces Command.

MAGTF TACTICAL WARFARE SYSTEM: Supports both MAGTF Training System Support (MTSS) and MAGTF Tactical Warfare Simulation (MTWS): MTWS is a computer assisted, war-game system designed to support training of Marine Corps tactical commanders and their staffs, and provides representation of all USMC functional warfare domains to include the modeling of surface, air, and ground units in support of Expeditionary Maneuver Warfare (EMW) operations, associate surrounding environment, and terrain. The MTWS training environment enables commanders and their battle staffs to train, practice or rehearse tactics, techniques, and procedures, exercise command and control (C2) processes and refines their warfighting decision-making processes. Funds will procure hardware and software to support the command, control, communication, computer, intelligence, surveillance, and reconnaissance (C4ISR) system interoperability at the five (5) Marine Corps Battle Staff Training Facilities (BSTF), two (2) Expeditionary Warfare Training Groups (Atlantic/Pacific), the Joint Warfare Fighting Center (JWFC), the Naval Postgraduate School (NPS), the Ministry of Defense (MOD) United Kingdom (UK), and the Ministry of Defense Thailand, and to Marine Corps Systems Command (MARCORSYSCOM). MTSS provides support contractors to assist the Marine Expeditionary Forces (MEFs) in Marine Corps specific training, and Combatant Command sponsored Joint, Combined, and Coalition exercises, and supports Marine Corps-wide staff and individual training for command and control (C2), staff decision-making, and information systems under multiple management structures. Funds will support hardware and software associated the the training events.

		Date:
Exhibit P-40, Budget Item Justification Sheet		February 2006
Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:	
Procurement, Marine Corps (1109) / Engineer and Other Equipment (6)		TRAINING DEVICES

MARINE CORPS LIVE FIRE TRAINING RANGE IMPROVEMENT initiates Range Modernization and Transformation efforts at USMC major bases meeting OSD directed elements of Training Transformation and JNTC event participation. Range improvements include Live-Virtual-Constructive training linkages, increased OPFOR realism of targets and battlefield effects, and range instrumentation and simulation supporting open terrain and urban terrain operations. Urgently needed home station capabilities to be meet include Urban Skills and Convoy Courses for squad to company live fire training. Current facilities for teaching ambush and convoy techniques, tactics and procedures in the urban environment are inadequate.

MARINE CORPS AIR GROUND COMBAT CENTER (MCAGCC) RANGE INSTRUMENTATION converges training occurring at the MAGTFTC, Twenty-Nine Palms, CA with training of other forces occurring at participating Joint National Training Capability (JNTC) ranges and with the standing Joint Task Force (JTF), Suffolk, VA. The Marine Corps JNTC strategy is to integrate Live, Virtual, and Constructive (L-V-C) training environments currently utilized or being developed. FY04 funds procure range instrumentation and simulation to digitally capture dismounted infantry and weapon system platform operations, record command and control communications for after action, provide integrated targetry, battlefield effects, and MOUT training environments for OPFOR realism, and transfers the correlated digital exercise picture to other JNTC recipients and the Joint Training and Simulation Center (JTASC) within the Joint Forces Command.

MARINE CORPS AIR GROUND TASK FORCE TRAINING COMMAND (MCAGTFTC) RANGE TRANSFORMATION INITIATIVE expands MAGTFTC range capabilities by procuring urban warfare training systems, which include modular-MOUT training facilities, MOUT instrumentation providing individual feedback and after action review, and integrated opposing forces (OPFOR) simulation including targetry, battlefield effects, and intelligence/sensor simulations. These critical capabilities provide the training foundation for pre-deployment urban warfare training events and enable digital transfer of the exercise picture to other USMC or JNTC event participants. This initiative is for the Marine Air Ground Task Force Training Center (MAGTFTC) Western Range Complexes located at the Marine Corps Air Ground Combat Center (MCAGCC) Twentynine Palms, CA; Mountain Warfare Training Center (MWTC), Bridgeport, CA; and Marine Air Warfare Training Center (MAWTS), Yuma, AZ.

MINOR TRAINING DEVICES/SIMULATORS program encompasses the procurement of low density, minor (low cost) Marine Air Ground Task Force (MAGTF) training equipment, simulators and simulations. These devices such as Training-IEDs, Recognition of Combat Vehicles (ROC-V), weapons models and mockups, enhance basic occupational and combat skills across the wide spectrum of tactics, techniques, procedures and firearms and weapon proficiency. MTDs are for the most part commercial/Service nondevelopmental training devices, used by Marine Corps Schools, Recruit Depots, operating forces, bases, stations and support combat readiness. The MTD program is the current source of funding for the procurement of USMC T-IEDs and ROC-V. Failure to fund the MTD program will result in a loss of capability for the USMC to conduct critical GWOT/OIF/OEF training and participate as a full-fledged member of several Joint programs.

MODULAR URBAN TRAINING SYSTEM (BALLISTICALLY TOLERANT) provides for urgently needed (USMC Urgent UNS supporting GWOT) live-fire Basic Urban Skills Training (Stability and Support Operations (SASO), Military Operations in Urban Terrain (MOUT), and convoy operations training) at the Marine Air Ground Task Force Training Center (MAGTFTC), Twenty-nine Palms, CA and MCB Camp LeJeune, NC. Funds procure Ballistically Tolerant MOUT facilities (up to 7.62mm ball ammunition) and associated equipment (i.e. targetry and battlefield effects). Fielded capability provides small unit MAGTF training in urban operations under realistic live-fire conditions.

		Date:
Exhibit P-40, Budget Item Justification Sheet		February 2006
Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:	
Procurement, Marine Corps (1109) / Engineer and Other Equipment (6)		TRAINING DEVICES

MODULAR URBAN TRAINING SYSTEM (NON-BALLISTICALLY TOLERANT) provides for urgently needed (USMC Urgent UNS supporting GWOT) of Basic Urban Skills Training (Stability and Support Operations (SASO), Military Operations in Urban Terrain (MOUT), convoy operations and sniper training) and Joint Urban Training at the Marine Air Ground Task Force Training Center (MAGTFTC), Twenty-nine Palms, CA, MCB Camp LeJeune, NC, MCB Camp Pendleton, and MCB Quantico. Funds procure MOUT facilities and associated equipment (i.e. range instrumentation and simulation, integrated targetry and battlefield effects using simulated munitions) suitable for force on force training using MILES, munitions, and short range training ammunition (SRTA). Fielded capability provides training capability consistent with echelon size of the facility. Instrumentation capabilities include necessary exercise control and recording capabilities that provide for after action review and correlation of the exercise picture to other participants.

MODULAR AMPHIBIOUS EGRESS TRAINER (MAET) is a modular trainer that provides egress training for non-aircrew flyers as well as for other vehicle crews and passengers.

MAET simulates underwater disorientation caused by rapidly sinking vehicles, aircraft or amphibious vehicles. With the use of modular panels, this system replicates aviation platforms such as, but not limited to, the CH-46, CH-53 and the MV-22, as well as other ground vehicles, such as the LAV-25, AAV and EFV.

The trainer serves as a portion of an overall survival training program for non-aircrew "frequent flyers" that includes Shallow Water Egress Training (SWET) and Intermediate Passenger Helicopter Aircrew Breathing Device (IPHABD) familiarization and usage training. The MAET is available at Marine Corps Base Hawaii, Camp Hansen - Okinawa, Japan, and Camp Pendleton, CA. Scheduled for future delivery to Camp LeJeune, NC.

MULTIPLE INTEGRATED LASER ENGAGEMENT SYSTEM (MILES 2000) is a joint interest program between the U.S. Marine Corps and the U.S. Army. It is the premier Tactical Engagement Simulation System and provides a family of low power, eye safe lasers which simulates the direct fire characteristics of infantry small arms, assault, armor, anti-armor mechanized weapons system and provides the gunner with hit or miss determination. MILES 2000 is designed to be used by the Marine Air Ground Task Force (MAGTF) as a force-on-force engagement simulation training system. MILES 2000 is the major component that the MC is using for the Range Instrumentation initiative.

REMOTE TARGET SYSTEM (RETS) is a standard U.S. Army computer controlled target system, modified to meet Marine Corps requirements. The system consists of computer controlled weather resistant stationary and moving armor and infantry targets. Both electrical power and data exchange are hardwired. The system is capable of being programmed with a number of scenarios limited only by the quantity and types of targets. RETS ranges consist of fixed and moving infantry and armor targets that can be controlled by preloaded computer programs or manually operated from a control panel. They are instrumented targets that can record and identify shooter and weapon system for after action review.

Exhibit P-40, Budget Item Justification Sheet	Date: February 2006	
Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:	
Procurement, Marine Corps (1109) / Engineer and Other Equipment (6)		TRAINING DEVICES

SPECIAL EFFECT SMALL ARMS MARKING SYSTEM (SESAMS) is a user-installed weapons modification kit that allows the individual Marine to fire, at short range, a low velocity marking ammunition (paint ball) while precluding the weapon from firing live ammunition. SESAMS provides instantaneous feedback during force-on-force close quarter battle scenarios and MOUT exercises. This immediate visual and sensory feedback to the shooter and target without firing live ball ammunition reduces risk to participants and significantly reduces the maintenance costs to shooting houses. SESAMS can utilize MILES 2000 for electronic After Action Reviews.

TRAINING DEVICES - INDOOR SIMULATED MARKSMANSHIP TRAINER Amphibious Assault Vehicle (ISMT-AAV): This supplemental funding line supports the ISMT-AAV. The ISMT-AAV Turret Training System will provide a mockup AAV turret, using Indoor Simulated Marksmanship Trainer (ISMT) weapons in conjunction with a driver's station, Instructor/Observer (I/O) station and visual display screen. The ISMT - AAV Turret Trainer will provide for entry level and sustainment training for AAV commanders while providing for crew coordination drills for both gunnery and tactical exercises. Systems may be linked together in order to provide section training. After Action Review capabilities are included within the I/O function in order to facilitate lessons learned for Marines being trained. The ISMT - AAV Turret Trainer provides normal environmental cues such as recoil, appropriate visual and audio effects, and replicates all switches and function of the AAV turret.

TRAINING DEVICES - MEDIUM TACTICAL VEHICLE REPLACEMENT (MTVR) is a fully self-contained mobile or trailer mounted training system that provides realistic MTVR driver skill training in diverse environments ranging from normal everyday driving to harsh weather and terrain. It is powered by onboard generators or shore power connection via two 50 amp 220V NEMA L550 connections. The system can be easily transported via commercial transportation or it can be driven from place to place via an MTVR. The simulation realistically represents the dynamic response and visual perspectives interfacing with the available cab controls.

TRAINING DEVICES - VIRTUAL COMBAT CONVOY TRAINER (VCCT) provides virtual collective convoy training in a simulated HMMWV while utilizing the weapons used by the Marine Corps. The VCCT also provides crew communication, situational awareness, target acquisition, and mounted and dismounted capability.

Exhibit P-40a, Budge	t Item	Justifi	cation for	Aggreg	ated Iten	ns		Date:		Februar	y 2006	
Appropriation / Budget Activity						P-1 Item Non	nenclature:					
Procurement, Marine Corps (1109) / Engineer and Other Equipment (6)								Т	RAINING I	DEVICES		
Procurement Items	Code	UOM	Prior Yrs	FY 2005	FY 2006	FY 2007					To Complete	Total Prog
C2 SYSTEMS TRAINING	Α	D	0.0	0.0	0.0	0.4						
COMMON RANGE INSTRUMENTATION SYSTEM (CRIS)	Α	D	1.5	1.0	0.0	0.0						
DEPLOYABLE VIRTUAL TRAINING ENVIRONMENT (DVTE)	Α	D	0.0	0.0	0.0	1.0						
DISTANCE LEARNING	Α	D	14.6	4.0	2.5	2.9						
JOINT NATIONAL TRAINING CENTER (JNTC) INVESTMENT	Α	D	0.0	0.0	0.4	0.0						
MAGTF TRAINING WARFARE SYSTEM	Α	D	0.0	2.0	0.0	0.0						
MARINE CORPS LIVE FIRE TRAINING RANGE IMPROVEMENT	Α	D	0.0	2.0	0.0	0.0						
MINOR TRAINING DEVICES/SIMULATORS	Α	D	2.2	1.0	0.8	0.9						
MODULAR AMPHIBIOUS EGRESS TRAINER (MAET)	Α	D	1.2	1.2	0.0	0.0						
MULTIPLE INTEGRATED LASER ENGAGEMENT SYSTEM (MILES 2000)	Α	D	0.0	2.1	1.4	2.3						
REMOTE TARGET SYSTEM (RETS)	Α	D	0.0	0.0	0.0	0.9						
SPECIAL EFFECT SMALL ARMS MARKING SYSTEM (SESAMS)	Α	D	0.0	1.4	1.0	1.8						
TRAINING DEVICES - INDOOR SIMULATED MARKSMANSHIP TRAINER AAV (ISMT-AAV)	Α	D	0.0	2.2	0.0	0.0						
TRAINING DEVICES - MEDIUM TACTICAL VEHICLE REPLACEMENT (MTVR)	Α	D	0.0	0.4	0.0	0.0						
TRAINING DEVICES - VIRTUAL COMBAT CONVOY TRAINER (VCCT)	Α	D	0.0	3.2	0.0	0.0						
				00.400	0.440	40.400						
Totals				20.420	6.140	10.198						

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu Procurement, Ma	-		and Other Equipmer	nt (6)	P-1 Line Item Nor TRAIN	nenclature: IING DEVICE	S	Weapon System	Type:	Date: Febri	uary 2006
Weapon System	ID					FY 05			FY 06			FY 07	adi y 2000
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
0001 =1000	Ť	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
CACCTUS Upgrade System													
Integrated Logistic Support	Α				2.221			1.559			1.049		
Hardware	Α				2.725	VAR	VAR	3.157	VAR	VAR	2.550	VAR	VAR
Indoor Simulated Marksmanship Trainer (Enhanced)													
Video Interactive Weapons Simulator	Α				5.519	70		5.414	71				
Shipping Costs	Α				0.130			0.511					
MCAGTFTC Range Transformation Initiative													
MC Combined Arms MOUT - 29Palms	Α							22.131	VAR	VAR			
Range Safety and Control - 29Palms	Α							3.700	VAR	VAR			
TWI Range Clearing - 29Palms	Α							1.750	VAR	VAR			
MOUT Training System - MWTC	Α							1.250	VAR	VAR			
Range Opertions Center - MWTC	Α							1.050	VAR	VAR			
Mountain Live Fire and Maneuver Range - MWTC	Α							1.600	VAR	VAR			
Forward Operating Base - MWTC	Α							0.875	VAR	VAR			
Equipment Allowance Pool - MWTC	Α							1.170	VAR	VAR			
Academic Initiatives - MAWTS	Α							0.388	VAR	VAR			
Urban CAS Training System Upgrades - MAWTS	Α							4.800	VAR	VAR			
System Engineering/Program Mgt								2.086					
P-5 Sub-Total					10.595			51.441			3.599		
Active								******			2.300		
Reserve													
													ļ

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu Procurement, Ma	-		and Other Equipmen		P-1 Line Item Nor TRAIN	nenclature: IING DEVICE	:S	Weapon System	Type:	Date: Febr	uary 2006
Weapon System	ID		FY 04			FY 05			FY 06			FY 07	uary 2000
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
MCAGCC Range Instrumentation	١.												
Non-Live Fire Mobile MOUT	A				3.625	VAR	VAR						
Non-Live Fire SASO MOUT	A				16.995	VAR	VAR						
Range Control Upgrades	Α				2.320	VAR	VAR						
Radar Safety Upgrade	Α				3.700	VAR	VAR						
Ground PLI (IGRS)	Α				1.500	425	4						
Range Infrastructure Upgrades	Α				0.600	VAR	VAR						
Mobile Debriefing/AAR	Α				0.400	VAR	VAR						
System Engineering/Program Mgt					0.491								
SASO-Stabilitly and Support Operations													
PLI - Position Location Information													
IGRS - Integrated GPS Radio System													
Mod Urban Training Systems NBT													
Sniper Towers	٨				0.600	3	200						
Non-Live Fire MOUT - MCAGCC	A				7.500	VAR	VAR						
Non-Live Fire BUST - Camp Lejeune, NC					2.500	VAR	VAR						
Non-Live File BOST - Camp Lejeune, NC	Α				2.500	VAK	VAK						
Mod Urban Training Systems BT													
Live Fire Convoy Course - MCAGCC	Α				2.000	VAR	VAR						
Convoy Ops and Reaction Course - CL	Α				0.250	VAR	VAR						
Live Fire MOUT - Camp Lejeune, NC	Α				7.000	VAR	VAR						
	'					.,	.,						
Combat Vehicle Appended Trainer (CVAT)													
CVTS Deployable LAV	Α				4.528	17	266						
CVTS Regular LAV	Α				7.025	6	1171						
CVTS Deployable M1A1	Α				4.497	10	450						
P-5 TOTAL					76.126								
Active					70.120								
Reserve													
INGSGI VG	I												

Exhibit P-5a, Budget Procuremen	t History a	nd Planning						Eobruos:	2006
zambit: da, zaagot: rodaromori				P-1 Line Item	Nomenclature	:		rebluary	2006
9) / Engineer and Other Equipment (6)					Т	RAINING DEV	ICES		
Contractor and Location	Contract	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs	Date	RFP Issu Date
	and Type			Delivery	Each	\$	Avaii:	Avail	Date
FATS, Inc, Atlanta, GA	CFFP	PM TRASYS, Orlando, FL	Sep-05	Apr-06	70	79	Υ	N/A	N/A
FATS, Inc, Atlanta, GA	CFFP	PM TRASYS, Orlando, FL	Dec-06	Aug-06	71	76	Υ	N/A	N/A
TBD	CFFP	PM TRASYS, Orlando, FL	Mar-06	Jul-06	425	4	Υ	N	N/A
TBD	CFFP	PM TRASYS, Orlando, FL			3	200		N	N/A
Lockheed Martin, Orlando, FL	FFP	PEO STRI, SYSCOM	Jun-05	Sep-06	17	266	Υ	N/A	N/A
Lockheed Martin, Orlando, FL	FFP	PEO STRI, SYSCOM	Jun-05	Jun-06	6			N/A	N/A
Lockheed Martin, Orlando, FL	FFP	PEO STRI, SYSCOM	Jun-05	Mar-07	10	450	Υ	N/A	N/A
	9) / Engineer and Other Equipment (6) Contractor and Location FATS, Inc, Atlanta, GA FATS, Inc, Atlanta, GA TBD TBD Lockheed Martin, Orlando, FL	9) / Engineer and Other Equipment (6) Contractor and Location Contract Method and Type FATS, Inc, Atlanta, GA FATS, Inc, Atlanta, GA CFFP TBD CFFP TBD CFFP Lockheed Martin, Orlando, FL Lockheed Martin, Orlando, FL Lockheed Martin, Orlando, FL	Contractor and Location Contract Method and Type FATS, Inc, Atlanta, GA FATS, Inc, Atlanta, GA FATS, Inc, Atlanta, GA CFFP PM TRASYS, Orlando, FL PM TRASYS, Orlando, FL CFFP PM TRASYS, Orlando, FL CFFP PM TRASYS, Orlando, FL PM TRASYS, Orlando, FL FFP PEO STRI, SYSCOM PEO STRI, SYSCOM	Weapon System Type: Contractor and Location Contract Method and Type Location of PCO Award Date	Weapon System Type: P-1 Line Item Weapon System Type: P-1 Line Item P-1 Line Item P-1 Line Item P-1 Line It	Weapon System Type: P-1 Line Item Nomenclature T Contract or Award Date of First or Delivery Each FATS, Inc, Atlanta, GA FATS, Inc, A	Weapon System Type: P-1 Line Item Nomenclature: TRAINING DEV Contract Method and Type FATS, Inc, Atlanta, GA FATS, Inc, Atlanta, GA FATS, Inc, Atlanta, GA CFFP PM TRASYS, Orlando, FL TBD TBD TBD TBD TBD TBD TBD TBD TBD TBD	Exhibit P-5a, Budget Procurement History and Planning Weapon System Type: P-1 Line Item Nomenclature: TRAINING DEVICES	Weapon System Type: P-1 Line Item Nomenclature: TRAINING DEVICES P-1 Line Item Nomenclature: TRAINING DEVICES

REMARKS: CVTS- Combat Vehicle Training System - These are Long Lead items (18 month plus program), In addition the Army also has production line. The Deployable CVTS-M1A1 (Main Battle Tank) delivery follows the Army's delivery.

FY 07 BUDGET EXHIB	IT P-21, PRODUCTI	ON S	CHE	DULE																Date	e :				Febr	uary 2	2006				
ppropriation Code/CC/BA/BS. rocurement, Marine Corps (1:		her Equ	uipmen	it (6)			Wea	ipon (Syster	m				P-1	Item	Nom	encla	ture:			Tra	ainin	ıg D			,					
							Р	ROD	UCT	ION	RAT	ГΕ			PI	ROC	URE	MEN	NT LI	EAD										_	
ТЕМ	Manufacturer's NA	AME / LO	CATION				М	SR	ECC	NC	M	AX		T P Oc	rior	ΑL	T Af	fter		nitia fg Pl	ıl	R	eord Ifg P			TO	TAL		Uni Mea	t of asur	re
SMT-E Weapon Simulator	FATS, INC, Atla	nta, GA						5	20	0	2	:5					2			8						1	0			E	
																													Ш.		
					Fiscal Year 05 Calendar Year 05											Fi		Year													
		I	1		I	ı	1							enda	ryea	ar 05								T T	dar Y	ear		_			
TEM		F Y	S V C	Q T Y	D E L	B A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J J	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
SMT-E Weapon Simulato	r	6	MC	71	0	71															Α								5	15	
																												F			L
																															L
										Fi	scal	Voar	07										Fi	ecal	Year	ng		Щ.	<u> —</u>		
											Juan	i cui	<u> </u>	Cal	enda	r Yea	ar 07									dar Y	ear (08		_	
TEM		F Y	S V C	Q T Y	D E L	B A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U Z	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	JUN	J U L	A U G	S E P	
SMT-E Weapon Simulato	r	6	MC	71	20	51	15	15	15	6																					
																												上	F		L
REMARKS:																															

	Exhibit F	-40, Budget I	tem Justifi	cation Sheet	:		Date:		February 2006	3	
Appropriation / Budget Activity/	/Serial No:				P-1 Item Nomencla	ture:					
Procurement, Marine Corps (1	109) / Engineer and Other Equipment (6)					•	CONTAINER FAMIL	Y		
Program Elements:			Code:	Other Related Prog	gram Elements:						
0206315M Fo	0206315M Force Service Support Group Prior Years										
	Prior Years		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty											
Gross Cost	50.4		7.7	3.5	3.0	3.9	4.0	4.8	4.9	Cont	Cont
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	50.4		7.7	3.5	3.0	3.9	4.0	4.8	4.9	Cont	Cont
Initial Spares											
Total Proc Cost	50.4		7.7	3.5	3.0	3.9	4.0	4.8	4.9	Cont	Cont
Flyaway U/C											
Wpn Sys Proc U/C											•

The Container Family provides the Fleet Marine Force with a fully intermodal transport capability emphasizing dimensional standardization and International Organization for Standardization compatibility. Two types of containers are procured, Pallet and Quadruple. The containers are end items and assets owned by the unit, expeditionary in nature. Components for the containers such as racks, horizontal connectors and inserts are not end items and do not have Acquisition Objectives. 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.

FY05 Emergency Supplemental Funds received: \$1.2M

Exhibit P	-40a, Budget Ite	m Justifica	tion for	Aggrega	ted Items			Date:		February 20	006	
Appropriation / Budget Activity						P-1 Item Nome	nclature:					
Procurement, Marine Cor	ps (1109) / Engineer and Oth	er Equipment (6)						С	ONTAINER FAM	MILY		
Procurement Items	Code	Prior Years		FY 2005	FY 2006	FY 2007					To Complete	Total Prod
Family of Containers												
•												
Pallet Container	А	25.0		2.8	1.7	1.4						
		VAR		VAR	VAR	VAR						
Quadruple Container	А	25.3		4.9	1.8	1.6				1		
·		VAR		VAR	VAR	VAR						
Total				7.7	1.8	1.6						
										1		

	Exhibit F	P-40, Budget Item Justific	ation Sheet	t		Date:		February 2000	6	
Appropriation / Budget Activity/S	Serial No:			P-1 Item Nomencla	ture:					
Procurement, Marine Co	orps (1109) / Engineer and Othe	r Equipment (6)				FAMILY OF C	ONSTRUCTIO	N EQUIPMENT	Γ	
Program Elements:		Code:	Other Related Prog	ram Elements:						
0206315M F	orce Service Support Group	A								
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty										
Gross Cost	48.9	48.5	31.7	20.1	16.4	13.5	15.9	16.2	Cont	Cont
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	48.9	48.5	31.7	20.1	16.4	13.5	15.9	16.2	Cont	Cont
Initial Spares										
Total Proc Cost	48.9	48.5	31.7	20.1	16.4	13.5	15.9	16.2	Cont	Cont
Wpn Sys Proc U/C										

Family of Construction Equipment: The Family of Construction Equipment (FCE) line is a roll-up line that provides for the replacement/service life extension program (SLEP) of all United States Marine Corps construction equipment. This line provides for the funding of; the Scraper 621B, Tractor, All Wheel Drive (AWD) with attachments, Small Emplacement Excavator (SEE), Road Grader 130G, Dozer D7 (SLEP), Dozer D7G (FY08 and out) (and its associated attachments, winches and rippers), Winch attachment (SLEP), Compressor 260 cubic feet per minute (CFM), Runway Sweeper, Wheeled Excavator 1085, Dozer W/angle Blade 1150, Dozer W/Bucket 1155, Engineer Equipment Trailer (EET) and Rapid Runway Repair/Dust Abatement Water Storage and Distribution System.

The Rapid Runway Repair kits create useable landing surfaces through new construction or repair of existing facilities. The capability will be easy to deploy and flexible enough to work in all geographic locations and environments to quickly repair craters of all sizes. The Dust Abatement program will provide a capability to control dust in arid to semi-arid climates containing Aridisol type soils by applying dust palliatives. Capability supports aviation elements, ground elements and expeditionary landing zones for rotary wing operations as well as encampments and logistic supply routes.

Engineer Equipment Trailer supports backhoe loader and forklift mobility issues. Both are essential assets for the artillery units, Marine Wing support units, engineer battalions, transportation support battalions, and other ground combat service support units. Employing a trailer reduces transit time and vulnerability to enemy action while improving the reliability of the assets to execute their intended task.

The Ultimate Building Machine (UBM) system a is mobile factory that can be brought to the construction site. The system is controlled by a microprocessor to produce straight and curved panels from the same sheet of steel. These panels are assembled on a prepared or expedient foundation with an electric seaming device until the desired size building is erected. The panels that are produced are self-supporting and require no support beams or trusses, nuts, bolts, rivets, fasteners or sealant of any kind.

MOBI-MAT: Is a removable runway made with a tri-dimensional polyester fabric that can be quickly deployed on any type of flat or sloping ground, either sand, mud, or snow, creating pathways for trucks, material handling equipment, personnel and allows access to beaches from the sea, roadways. MOBI-MAT's main advantages are: lightweight, fast and easy installation, weatherproof, inert to seawater and to hydrocarbons. MOBI-MAT is reusable, maintenance and environmentally friendly. It is free lightly regarded for its environment care and mobility assistance.

Received \$35M in FY05 Supplemental Received \$12.000M in FY06 Title IX Supplemental

	ated Items on / Budget Activity rocurement, Marine Corps (1109) / Engineer and Other Ement Items Code unway Repair Kits A r Equipment Trailer A Building Machine A			Date:								
Exhibit P-40a, Budget Item Justification for Aggregated Items							Fe	ebruary 2006	6			
Appropriation / Budget Activity				P-1 Item Nome	nclature:							
Procurement, Marine Corps (1109) / Engine	er and Other	Equipm	ent (6)			FAM	ILY OF CON	ISTRUCTIO	N EQUIPME	ENT		
Procurement Items	Code	UOM	Prior Years	FY 2005	FY 2006	FY 2007					To Complete	Total Prog
Rapid Runway Repair Kits	А	D	0.0	0.0	3.7	4.1						
		Q			13	13						
Engineer Equipment Trailer	Α	D	0.0	0.0	1.9	4.6						
		Q			80	177						
Hillian de Davidia e Manakia			0.0	4.7	0.0	0.0						
Ultimate Building Machine	A	D Q	0.0	1.7	0.0	0.0						
		Q		3								
Mobi-Mat	Α	D	0.0	0.0	1.0	0.0						
		Q			TBD							
Total				1.7	6.7	8.7						

Exhibit P-5, Cost Analysis			Activity/Serial No: Corps (1109) / Engineer Equipment (6)		Nomenclature: _Y OF CONSTF	RUCTION EQUIPM	IENT	Weapon System ⁻	Гуре:	Date: Febr	uary 2006
Weapon System	ID	PYs		FY 05		ı	Y 06			Y 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
Gost Elements		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Tractor All Wheel Drive (AWD) with attachments Small Emplacement Excavator (SEE)		6,500	4,705	46	102,283						
Tractor All Wheel Drive (AWD) Transporter			3,831	152	25,202						
D7 REPLACEMENT									8,384	25	335,360
EXCAVATOR,1085			2,730	21	130,000						
DOZER, W/ANGLE BLADE, 1150			2,789	30	92,967	4,696	49	95837			
DOZER, W/BUCKET, 1155			2,200	22	100,000	6,931	67	103448			
INTEGRATED LOGISTICS SUPPORT		2,948	2,177			1,411			2,993		
Scraper-Tractor, Wheeled						12,000	TBD	TBD			
Bucket Attachment D7G Slep Ditching Machine Dust Abatement Systems Ripper Attachment Winch Attachment Road Grader Water Distributor Winch Attachment SLEP TOTAL Active Reserve		9,448 9,448	414 21,725 640 442 346 967 3,230 358 163 46,717	35 190 13 10 10 27 100 1	114,342 49,231 44,154 34,610 35,830 32,300 358,000	25,038 25,038			11,377 11,377		

Fyhil	oit P-5a, Budget Procureme	nt History	and Planning					Date:	ebruary	2006
Appropriation / Budget Activity/Serial No:	on Tou, Budget Froduction	Weapon Syst	·		P-1 Line Item	Nomenclature	,.	ге	bruary	2006
Procurement, Marine Corps (1109) / Engine	eer and Other Equipment (6)		. 71				CONSTRUCTION	ON EQU	JIPMEN	١T
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs	Date	RFP Iss
Fiscal Years		Method and Type			Delivery	Each	\$	Avail?	Revsn Avail	Date
TRACTOR AWD W/ATT (SEE)	†	and Typo			20	Edoi:	•		7114	
FY05	CATERPILLAR, Peoria, IL	FFP	MCSC, Quantico, VA.	Oct-04	Jan-05	46	102283	Yes	N/A	N/A
TRACTOR AWD TRANSPORTER										
FY05	Holden Industries, SW MO Philadelphia PA.	RCP	DSCP, Philadelphia	Oct-04	Jan-05	152	25202	Yes	N/A	N/A
EXCAVATOR										
FY05	CATERPILLAR, Peioria, IL	RCP	MCSC, Quantico, VA.	Dec-04	Mar-05	21	130000	Yes	N/A	N/A
DOZER, W/ANGLE BLADE REPLACEMENT 1150										
FY05	Maintenance Center, Albany, GA	RCP	MCLogistics Base, Albany, GA	Dec-04	Mar-05	30	92967	Yes	N/A	N/A
FY06	Maintenance Center, Albany, GA	RCP	MCLogistics Base, Albany, GA	Mar-06	Jun-06	49	95837	Yes	N/A	N/A
DOZER, W/BUCKET REPLACEMENT 1155										
FY05	Maintenance Center, Albany, GA	RCP	MCLogistics Base, Albany, GA	Dec-04	Mar-05	22	100000		N/A	N/A
FY06	Maintenance Center, Albany, GA	RCP	MCLogistics Base, Albany, GA	Mar-06	Jun-06	67	103448	Yes	N/A	N/A
D7 REPLACEMENT										
FY07	TBD	RCP	MCSC, Quantico, VA.	Dec-06	Mar-07	25	335360	Yes	N/A	N/A
REMARKS:										<u> </u>

FY 07 BUDGET EXHIBIT P	-21, PRODUCTI	ON S	CHE	DULE																Date) :				Fehr	uary :	2006				
Appropriation Code/CC/BA/BSA/Ite	n Control No						Wea	non S	Syste	m				P-1	ltem	Nom	encla	ture.							i obi	uui y	_000				
Procurement, Marine Corps (1109)		Equipr	ment (6	3)			1100	ipon (Syoto						110111		orioia		FAMII	ΥO	F CC	NST	RUC	AOIT:	I FOI	JIPM	FNT				
	-		•				PI	ROD	UCT	ION	RAT	ΓF			PI	ROC	URE								I						
								SR	EC			AX	AL	ΤP	rior		T Af		I	nitia	ıl	R	eord						_	it of	
ITEM													to	Ос	t 1	(Oct 1	1	Mi	fg Pl	LT	M	fg P	LT		TO	TAL		Ме	asur	re
DOZER W/BUCKET, 1155	Maintenance Ce	enter, All	bany, G	SA .			:	2	8	3	8	8					2			3							5		<u> </u>	Е	<u> </u>
DOZER W/ANGLE BLADE, 1150	Maintenance Ce	enter, All	bany, G	SA .			,	3	5	5	ţ	5					2			3							5			Е	
D7 REPLACEMENT	TBD						TE	BD	TE	3D	TE	3D					2			3							5			Е	
										Fi	scal	Year	05										Fi	scal	Year	06					B A
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			Y C Y L L					N	D	J	F	М	Α	М	J	J	Α	S	0	N	П		F	М	А	М		J	Α	S	A N
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DOZER W/BUCKET, 1155		FY05	MC	22	0	22			Α			2	2	2	2	2	2	2	2	3	3									Т	0
•				67	0	67																		Α			7	7	7	7	39
DOZER W/ANGLE BLADE, 11	50	FY05	Y V T E A L L FY05 MC 22 0 22					Α			3	3	3	3	3	3	3	3	3	3											
		FY06	MC	49	0	49																		Α			4	4	4	4	33
			FY 0 T E A L FY05 MC 22 0 22 FY06 MC 67 0 67 FY05 MC 30 0 30 FY06 MC 49 0 49																												
			Y05 MC 30 0 30																												<u> </u>
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		Υ	V C	T Y	E L	A L	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	Е
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DOZER W/BUCKET, 1155		FY06	MC	67	28	39	8	8	8	8	7																		₩	 	0
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DOZER W/ANGLE BLADE, 11	DU .	r 106	IVIC	49	16	33	4	4	4	4	4	4	Э											-		1			+-	₩	4 0
		EV07	MC	25	0	25	lacksquare		Α			2	2	3	3	3	3	3	3	3						┢			+	╁	ا
D7 REPLACEMENT																	J	J	J	J											

	Exhil	oit P-40, Budget I	tem Justific	cation Sheet			Date:		February 2006	3	
Appropriation / Budget Activity/					P-1 Item Nomencla	ture:					
Procurement Marine Corps (11	09)						Intern	ally Transportable V	ehicle		
Program Elements:			Code:	Other Related Prog	ram Elements:						
0206313M Tactical A	ir Control Systems (Marine Corps)		А								
	Prior Years*		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty				24	21	20	57	65	0	0	187
Gross Cost	0.0		0.0	3.6	2.8	2.5	7.2	8.7	0.0	Cont	Cont
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	0.0		0.0	3.6	2.8	2.5	7.2	8.7	0.0	Cont	Cont
Initial Spares	0.0		0.0	0.1	0.2	0.2	0.5	0.5	0.0	0.0	1.5
Total Proc Cost	0.0		0.0	3.7	2.9	2.6	7.6	9.3	0.0	Cont	Cont
Flyaway U/C											
Wpn Sys Proc U/C											

Internally Transportable Vehicles - This funding will be used to procure the Internally Transportable Vehicle (ITV), associated spare parts, special tools, and initial training. The ITV will be a MV-22 Osprey internally transportable system that replaces the Interim Fast Attack Vehicle (IFAV), and provides infantry, reconnaissance, and special operations forces with a vehicle which can be vertically transported at the ranges and speeds required to support them. The ITV will be used by reconnaissance units, the Marine Expeditionary Unit (MEU) Ground Combat Element (GCE), and Special Operations Command (SOC) units. The ITV program is a USMC led, joint program with the US Special Operations Command.

Exhibit P-5,			dget Activity/Serial I		P-1 Line Item No			Weapon System	Туре:	Date:	
Cost Analysis			rine Corps (1109) Er other Equipment	ngineer and	Internally	Transportable Vel	nicle			Febru	uary 2006
Weapon System	ID	FYs		FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost \$	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
Internally Transportable Vehicles		\$000	\$000	Each	\$	\$000 2400	Each 24	\$ 100000	\$000 2163	Each 21	\$ 103000
First Article Test (FAT)/Lot Acceptance Test						500					
Modification Kits						120			122		
Factory Training						73			73		
Special Purpose Test Equipment						3			8		
Direct Cite Travel						20			20		
Program Management and Support						46			88		
Integrated Logistics Support						423			285		
TOTAL Active Reserve						3585 3585 0			2759 2759 0		

	Exhibit P-5a, Budget Procurement H	listory and	Planning					Fe	ebruary	2006
ppropriation / Budget Activity/Serial No:		Weapon System	Туре:		P-1 Line Item	Nomenclature				
Procurementt Marine Corps (1	1109) Weapons and Tracked Vehicles					Inte	ernally Transportabl		-	
BS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Is
scal Years		and Type			Delivery	Each	\$		Avail	
nternally Transportable Vehicles										
Y06	General Dynamics, St. Petersburg, Fl.	FFP	MARCORSYSCOM	May-06	Jun-06	24	100000	YES	NO	N/A
Y07	General Dynamics, St. Petersburg, Fl.	FFP	MARCORSYSCOM	Feb-07	Mar-07	21	103000	YES	NO	N/A
REMARKS:								l .		
LIMAKKO.										

	Exhibit P-4	0, Budget Item J	ustification	Sheet		Date:		February 200	6	
Appropriation / Budget Activity	/Serial No:			P-1 Item Nomencla	iture:			·		
Procurement, Marine Corps (1	109) / Engineering and Other Equi	pment (6)					Bridge Boats			
Program Elements:		Code:	Other Related Prog	gram Elements:						
0206315M Fo	orce Service Support Group	А								
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty		49								49
Gross Cost	10.5	19.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.7
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	10.5	19.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.7
Initial Spares	0.0									
Total Proc Cost	10.5	19.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.7
Flyaway U/C										
Wpn Sys Proc U/C										

The Bridge Erection Boat (Bridge Boat) is designed to support bridging and amphibious operations. It may be used as a general-purpose workboat in support of diving operations and/or maritime projects, for inland water patrols, to ferry troops or cargo and as a safety boat for amphibious river crossings. It may safely transport a maximum of 15 fully equipped Marines or 4,400 pounds of cargo.

FY05 includes \$12.5M Supplemental to support Bridge Boats procurement.

Exhibit P-5, Cost Analysis				1109) / E nent (6)	ngineering and	P-1 Line Item Nome E	Bridge Boats		Weapon System		Date: February 2006
Weapon System	ID	PYs		FY 05			FY 06		FY 07	Qty	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Each	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000		\$
Bridge Erection Boats Bridge Erection Boat Trailer Integrated Logistics Support Medium Girder Bridge Raft Set Rebuild		10320.0 151.0	12365 343 2312 3809 350	49 28 13	12250						
Total Active Reserve		10471 10471	19179 19179								

								Date:		
	P-5a, Budget Procurement I								Feb-200)6
Appropriation / Budget Activity/Serial No:		Weapon Syste	em Type:		P-1 Line Item	Nomenclature				
Procurement, Marine Corps (1109) / Engineering	and Other Equipment (6)						Bridge Boats			
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
Bridge Boats										
FY05	Alluminum Chambered Boats Bellingham, WA	FFP	MCSC, Quantico, VA	Jun-05	Dec-05	49	252347	No	N/A	N/A
REMARKS:										

Exhibit P-	40, Budget Item Justific	cation Sheet			Date:		February 2006	6	
Serial No:			P-1 Item Nomencla	ture:					
s (1109) / Engineer and Other Equipr	ment (6)				Family	of Field Feeding	Systems		
	Code:	Other Related Prog	ram Elements:						
ce Service Support Group	Α								
Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
15.2	0.1	5.1	5.1	4.1	3.7	3.8	3.7	Cont	Cont
15.2	0.1	5.1	5.1	4.1	3.7	3.8	3.7	Cont	Cont
0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	Cont	Cont
15.2	0.1	5.1	5.1	4.1	3.7	3.8	3.7	Cont	Cont
	Serial No: 6 (1109) / Engineer and Other Equips De Service Support Group Prior Years 15.2 15.2 0.0	Code: Code: A Prior Years FY 2005 15.2 0.1	Code: Other Related Progress Code: Other Related Progress FY 2005 FY 2006	Code: Other Related Program Elements: Code: Other Related Program Elements:	P-1 Item Nomenclature: P-1 Item Nomencla	P-1 Item Nomenclature: P-1 Item Nomencla	P-1	P-1 Item Nomenclature: P-1 Item Nomenclature: Family of Field Feeding Systems	P-1 Item Nomenclature: P-1 Item Nomenclature: Family of Field Feeding Systems

The Family of Combat Field Feeding Systems consists of the Field Food Service System (FFSS), Individual Tray Ration Heater Systems (TRHS) and Food and Beverage Containers.

Field Food Service System (FFSS). The FFSS is a combination of the Marine Rapid Deployment Kitchen (MRDK) and the Field Sanitation Unit (FSU). The FFSS can be positioned with elements of the Marine Air Ground Task Force (MAGTF) and is capable of preparing a minimum of 850 meals during a four-hour period. The MRDK provides flexibility in feeding maneuver elements of an infantry battalion dispersed over a wide area by using the supported units insulated food and beverage containers for remote feeding. The FSU provides the capability to properly clean and sanitize food service equipment and miscellaneous food service components while providing sufficient hot water for general sanitation.

Tray Ration Heater System (TRHS). The TRHS is a self-contained, multi-fuel heater designed to be operated on a moving vehicle and provide a heat on the move capability required to feed hot Tray Pack meals to Marines in remotes areas. The TRHS consists of a hot water tank with a built-in fuel fired heater assembly. The power to run the heater is provided from a vehicle's electrical system, or it can be plugged into any 110 volt power source. When not in the mobility mode, the TRHS can be integrated for general use into the FFSS to enhance capability at fixed sites. In FY05 \$71K was received for the procurement of 2 FSRG quantities.

FY05 Supplemental Funding Received: \$61K

Exhibit P-5, Cost Analysis		Procurement Engineer an	get Activity / Serial N , Marine Corps (1 d Other Equipme	1109) / ent (6)	P-1 Line Item Nome Family of F	nclature: ield Feeding Syst	ems	Weapon System Ty	pe:		ruary 2006
Weapon System	ID	Prior Yrs		FY 05			FY 06			FY 07	
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Field Feeding System Tray Ration Heater System		15200	71		35500	3700	10				33868
TOTAL Active Reserve		15200 13391 1809	71 71			5118 5118			5148 5148		

	Exhibit P-5a, Budget Procuremer	nt History an	nd Planning					Date:	ebruary	2006
Appropriation / Budget Activity/Serial No:		Weapon System			P-1 Line Item	Nomenclature	e:		ebiuaiy	2000
						Famil	ly of Field Feedin	g Systen	ns	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Iss
Fiscal Years		and Type			Delivery	Each	\$	Avail	Avail	Date
Field Feeding System										
FY06	ARPA Support Services, Spain	C/FFP Option	MCSC, Quantico VA	Feb-06	Jun-06	10	370000	Yes	N/A	Sep-0
Tray Ration Heater System										
=Y05	Defense Logistics Agency	Milstrip Req	Defense Supply Center, Phil	Jul-05	Dec-05	2	35500	Yes	N/A	N/A
=Y06	Defense Logistics Agency		Defense Supply Center, Phil		Jun-06	47	30170		N/A	Oct-0
=Y07	TBD	C/FFP Option	MCSC, Quantico VA	Jan-07	Jun-07	152	33868	Yes	N/A	Oct-0
REMARKS:										
nemand.										

FY 07 BUDGET EXHIBIT P-2	1, PRODUCT	ON S	CHE	DULE																Date):				Febru	uary 2	2006				
Appropriation Code/CC/BA/BSA/Item C Procurement, Marine Corps (1109) / E		r Equip	ment (6	6)			Wea	pon S	Syste	m				P-1 I	tem l	Nome	encla	ture:		Fami	ily of	Field	Fee		Syste						
							PI	ROD	UCT	ION	RAT	Έ			PF	ROC	URE	MEN	NT LI	EAD	TIMI	ES									
ITEM	Manufacturer's N	AME / LC	CATION				M	SR	EC	ON	MA	ΑX		T Pi			T Af Oct 1			nitia fg Pl			eord fg Pl			то	TAL		Uni Mea	t of asur	e
Field Feeding System	ARPA Support	Services	3					1	4	ļ	4	ļ		3			2			6			6				8		E		
Tray Ration Heater System	TBD							4	1	0	2	0		3			3			5			5				8		Е		
						1					scal `	Vaar	O.E.										E:-	2001	Year	06					В
										ri:	scal	rear	υo	Cald	endai	· Vos	r 05						ri:			dar Y	oar (06			A L
		F	S	Q T	D	В	0	N	D	J	F	М	A	М	J	J	Α	S E	0	N	D	J	F	М	Α	М	J	J	A	S	A N C
ITEM		Υ	V C	Y	E L	A L	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	E
Field Feeding System		06	МС	10	0	10																	Α						2	2	6
Tray Ration Heater System		05	МС	2	0	2										Α					2										0
		06 07	MC MC	47 152	0	47 152																Α					2	2	2	2	39 152
										Fis	scal `	Year	07										Fi	scal	Year	08					B A
														Cale	enda	r Yea	r 07							C	Calen	dar \	ear (08			Ĺ
ITEM.		F	8 > C	Q T Y	D E L	B A L	O C T	× 0 ×	D E C	J A N	F E B	M A R	A P R	M A Y	Z C C	$\Gamma \subset \subset$	A U G	S E P	0 0 T	< 0 Z	ОпО	J A N	F E B	M A R	A P R	M A Y	ZCC	J U L	A U G	SEP	N C E
ITEM				-																											
Field Feeding System		06	MC	10	4	6	2	2	2																						0
Tray Ration Heater System		06	МС	47	8	39	4	4	4	4	5	6	6	6																	0
.,		07	MC	152	0	152	Ė			A					12	13	13	12	12	12	13	13	13	13	13	13					0

REMARKS: FY05 procurement of 2 Tray Ration Heater Systems was an Emergent FSRG requirement made through a limited buy from DLA on a MILSTRIP request. FY06 Procurement from DLA for 47 Systems on MILSTRIP Request. FY07 contract will be open source competed after final modifications are determined.

	Exhibit P-4	0, Budget Item J	ustification	Sheet		Date:		February 2006	1	
Appropriation / Budget Activity/S	Serial No:			P-1 Item Nomencla	ture:					
Procurement, Marine Corps (11	09) / Engineer and Other Equipm	nent (6)				İ	MODIFICATION KITS	3		
Program Elements:		Code:	Other Related Prog	gram Elements:						
0206315M For	ce Service Support Group	А								
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty										
Gross Cost	2.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	2.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Initial Spares										
Total Proc Cost	2.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
Flyaway U/C										
Wpn Sys Proc U/C										

Modfication Kits (Engineering) - provides for significant improvements to a variety of engineering equipment by enhancing their capabilities and/or improving readiness. Modifications correct safety deficiencies, improve reliability, maintainability and performance of various pieces of equipment. (Previously funded under BLI 667000 prior to FY04).

FY05 Supplemental Funding Received: \$1.2M

	Exhibit P-	40, Budget Item Justi	fication Shee	t		Date:		February 2	2006	
Appropriation / Budget Activity	/Serial No:			P-1 Item Nomencla	ature:	<u> </u>				
Procurement, Marine Corps (1	109) / Engineer and Other Equipment (6)						ITEMS LESS THA	N \$5M		
Program Elements:		Code:	Other Related Pro	gram Elements:						
0206315M Fo	orce Service Support Group	A								
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty										
Gross Cost	69.2	17.9	17.9	10.5	11.1	17.9	17.1	19.1	Cont	Cont
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	69.2	17.9	17.9	10.5	11.1	17.9	17.1	19.1	Cont	Cont
Initial Spares		0.0	0.4	0.1	1.3	1.1	1.2	1.3		
Total Proc Cost	69.2	17.9	17.9	10.5	11.1	17.9	17.1	19.1	Cont	Cont
Flyaway U/C										•
Wpn Sys Proc U/C										

This is a roll-up line which contains many different engineering and other equipment related items for less than \$5 Million each. The funds in this budget line allow procurement of the following items.

Engineer Modification Kits: This program provides for significant improvements to a variety of engineering equipment by enhancing their capabilities and/or improving readiness. Modifications correct safety deficiencies, improve reliability, maintainability and performance of various pieces of equipment.

SmartWork - The Smart Work program is designed to find new and innovative ways of doing business better with less personnel. Its goal is to ultimately improve working conditions for sailors and Marines. Smart Work initiatives fall into four categories:

Smart Manning: Initiatives for smarter personnel policies, and workload reduction through manpower reapplication, effective recruiting and retention incentives, and training improvements.

Capitol for Labor: Initiatives for smart technology and reengineering investments to reduce manpower requirements and life cycle costs of Fleet Weapons Systems.

Tools, Materials, and Working Conditions: Local initiatives identified by the field establishment of the Department and enterprise-wide improvements that reduce workload, increase efficiency, and enhance quality of life in the support of infrastructure ashore.

Information Investment: Initiatives which ensure information demands of conducting everyday business are met reliably and with less labor-intensive processes.

Interim Passenger Helo Aircrew Breathing Device (IPHABD): This system consists of a flotation collar, an air source (air bottle with regulator) with bottle holster, and a Location Marking Kit (LMK) consisting of a dye marker, strobe light, whistle, and "buddy line". This system is maintained by the Helicopter Squadrons and is given by the crew chief to each passenger boarding a USMC helicopter which flies over water. This increases the passenger's chance of surviving an over water crash.

Family of Tools, Kits and Chests provide specific tool kits, including the specific chest or case to store and transport the tools, to perform specific missions assigned to engineer units, such as carpentry, grubbing or clearing areas with pioneer type tools, destruction/demolition, masonry, electrical (base camp support), plumbing, etc.

\$6.023M Received in FY05Supplemental Funding.

\$8M Received in FY06 Supplemental Title IX funds.

BLI 667000 Items Under \$5 Million is a consolidation of BLI 652100 Family of Incident Response and BLI 665400 Modification Kits beginning in FY06.

Exhibit P-40, Budget I		Date: February 2006	
Appropriation / Budget Activity/Serial No:		P-1 Item Nomenclature:	
Procurement, Marine Corps (1109) / Engineer and Other Equipment (6)			ITEMS LESS THAN \$5M
Program Elements:	Code:	Other Related Program Elements:	
0206315M Force Service Support Group	Α		

Family of Incident Response System (FIRS) is comprised of:

- a. Chemical/Biological Incident Response Force (CBIRF) is a task organized unit that, when directed, will forward-deploy and/or respond to a credible threat of a chemical, biological, radiological, nuclear, or high yield explosive (CBRNE) incident to assist local, state, or federal agencies and designated Combatant Commanders in the conduct of consequence management operations by providing capabilities for agent detection and identification, casualty search, rescue, and personnel decontamination; and emergency medical care and stabilization of contaminated personnel.
- b. The Marine Expeditionary Unit Enhanced Nuclear, Biological, and Chemical (E-NBC) Force Protection Sets: E-NBC Force Protection Set is a tailored set of COTS consequence management equipment, modeled on CBIRF capabilities, that provides the Marine Expeditionary Unit (MEU) Commander an enhanced capability to provide force protection above that available from his normal NBC defensive equipment.
- c. 4th Marine Expeditionary Brigade (Anti-Terrorist) (MEB (AT)): 4th MEB (AT) was formed after the attacks on 11 September 2001. Specific units of the 4th MEB (AT) will be equipped and trained for the use of consequence management COTS equipment that allows these units the capability to conduct limited consequence management operations to support the Combatant Commanders and U.S. Embassies.

Backscatter: The ZBV Backscatter system which is mounted on a Mercedes Sprinter Chassis and contains an X-Ray Backscatter system in the cargo bay, scans vehicles, personnel, and containers for explosives, weapons, and illegal contraband, which increases overall force protection capability to meet the evolving threat.

Backscatter Personnel Imager (Rapid Scan): The scanner which scans vehicles, personnel, and containers for explosives, weapons, and illegal contraband, which increases overall force protection capability to meet the evolving threat.

Compressors and Slings: This line supports supplemental funding received for the runway sweepers, compressor tools and armor welding kits. The runway sweeper is a self-propelled, truck mounted vacuum machine. This vehicle can be employed to clear runways and other stabilized areas, of items that might result on foreign object deposit (FOD) to aircraft. the compressor with tools is a Trailer - Mounted Unit that furnishes compressed air at a rate of 260 cubic feet per minute. The compressor operates pneumatic tools and can be utilized for bridging construction and general engineering tasks. The armor welding kits will allow welding support to the armor of the Light Armored Vehicle (LAV), and a new Titanium Kit will allow welding on the titanium components of the new Lightweight 155 Howitzer (LW-155).

Field Rep Support: Provides engineering and technical management required for tracking of delivery of items procured with FY05 Supplemental funding.

Lightweight All Terrain Vehicle: The USMC requires a light utility vehicle to augment tasks that Marines perform using HMMWVs. These vehicles normally perform on government installations but are not limited to non-hostile situations they are also used for security support, aviation maintenance support, light construction material handling and training area support.

M1030M1 Military Motorcycle: A Multi-fueled dual-purpose utility vehicle with a mission profile of 70% off road and 30% on road. The motorcycle is a commercially available Kawasaki, Model KLR 650 that has been modified for military use to burn JP-4, JP-5, JP-8 and diesel fuel. Besides the multi-fuel engine, the M1030M1 incorporates the following modifications: Engine/transmission skid plate, operator handguards, blackout lighting, pannier bags, heavy-duty suspension, upgraded air filtration system, enhanced electrical wiring and aggressive dual purpose tires. Additional components for specialized missions are available from the manufacturer. The M1030M1 will be employed in the Ground Combat Element (GCE) (MP Co, Info Regt, Arty Regt, Comm Bn, SRIG) as a messenger vehicle, transporter of communication traffic in lieu of electronic systems, military police support, convoy control, tactical/urban reconnaissance, and transportation of forward observers.

		Date: February 2006									
ppropriation / Budget Activity	P-1 Item Nomenclature:										
Procurement, Marine Corps (1109) / Engineer and Other Equ	ITEMS LESS THAN \$5M										
Procurement Items	Code	Prior Yrs	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Pro
SMARTWORK	Α	1.8	1.5	0.0	0.0						
	Q	1.0	VAR	0.0	0.0						
INTERIM PASS HELO AIRCREW BREATHING DEV	A	0.5	4.0	4.0	4.2					CONT	CONT
THE CHILD THE CONTROL OF THE CONTROL	,,	0.0	1.0	1.0	1.2					00111	00.11
FAMILY OF ENGINEER TOOL KITS/SETS/CHESTS	A Q	0.0	0.0	0.0	2.0 VAR					CONT	CONT
Family of Incident Response System (FIRS) (CBIRF)	A Q	0.0	0.0	3.1 VAR	1.5 VAR					CONT	CONT
BACKSCATTER	A	0.0	0.7	0.0	0.0						
	Q										
BACKSCATTER PERSONNEL IMAGER (RAPID SCAN) OIF	Α	0.0	2.5	0.0	0.0						
	Q		19								
COMPRESSORS AND SLINGS	Α	0.0	2.2	0.0	0.0						
	Q		VAR								
FIELD REP SUPPORT	A	0.0	1.3 VAR	0.0	0.0						
	Q		VAR								
IGHTWEIGHT ALL TERRAIN VEHICLE	A	0.0	2.7	0.0	0.0						
	Q		150								
SINGLE BATTLEFIELD FUEL MOTORCYCLE	A	0.0	3.1	0.0	0.0						
	Q		448								
Totals		2.3	17.9	7.1	7.7					CONT	CONT

Exhibit P-5, Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Engineer and Other Equipment (6)							menclature: S THAN \$5M		Weapon System Type:		Date: February 2006	
Weapon System	ID	PYs FY 05 FY 06								FY 07				
Cost Elements	CD	TotalCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
COST Elements		\$000			\$	\$000		\$				\$000		\$
ENGINEER MODIFICATION KITS		\$000 3300	\$000	Each	69	\$000 10754	VAR	ų –	\$000 2779	Each VAR	VAR		Each	\$
Total		3300				10754			2779					