

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2004

Appropriation / Budget Activity/Serial No:
Procurement, Marine Corps (1109) / Communications and Electronics Equipment (4)

P-1 Item Nomenclature:
MODIFICATION KITS (MAGTF C4I)

Program Elements:			Code:	Other Related Program Elements:								
0206313M Marine Corps Communication Equipment			A									
	Prior Years		FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog	
Proc Qty												
Gross Cost	145.4		39.8	20.6	1.0	5.5	4.6	0.5	1.4	Cont	Cont	
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	145.4		39.8	20.6	1.0	5.5	4.6	0.5	1.4	Cont	Cont	
Initial Spares	8.4		0.8	0.0	0.0	5.8	3.7	0.0	0.0	Cont	Cont	
Total Proc Cost	153.8		40.6	20.6	1.0	11.4	8.3	0.5	1.4	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.

The MEWSS PIP is 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 This program develops a material change for the current, outdated EW suite.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 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) will be a system of COTS/GOTS designated to support the MAGTF Commander in conducting operations. It will provide the capability to effectively sense/detect and attack through the use of electromagnetic or directed energy, the enemy's communication systems in support of the Commander's Command and Control Warfare plan. The system will be the replacement for the existing AN/ULQ-19 and will assume the mission of sensing and denying the enemy the use of the electromagnetic spectrum and 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 Operational Maneuver from the Sea. The CESAS shall provide the capability to operate against enemy emitters that utilize numerous modern modulation schemes.

The AN/TPS-59 received additional \$3.3M from Congress in FY03. This funding profile includes radar modifications which improve mean time between failure rates and enhanced performance characteristics and upgrades obsolete/Diminishing Manufacturing Resources. The TPS-59 radar upgrade provides three-dimensional long range surveillance and detection against air-breathing targets and theater ballistic missiles. It provides launch/impact point and cueing information to other theater missile defense systems. The new mobility antenna will greatly reduce the footprint of the system allowing a more versatile role in expeditionary warfare. This program has been moved to its own line item (465100) beginning in FY04.

