

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: Auto Test Systems

Program Elements: 0206315M Force Service Support Group Code: A Other Related Program Elements:

	Prior Years		FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty											
Gross Cost	97.5		11.4	20.3	15.8	10.8	12.0	14.5	3.0	Cont	Cont
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	97.5		11.4	20.3	15.8	10.8	12.0	14.5	3.0	Cont	Cont
Initial Spares	0.5		0.0	0.0	0.0	0.8	0.8	0.0	0.0	Cont	Cont
Total Proc Cost	98.0		11.4	20.3	15.8	11.5	12.7	14.5	3.0	Cont	Cont
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.

Third Echelon Test System (TETS): This 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.

TETS Electro-Optic - Recieved a Congressional Add in FY03 of \$6.0M for TETS Electro-Optic and/or Test Program Sets also known as Marine Corps Application 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.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronics Equipment (4)			P-1 Line Item Nomenclature: Auto Test Equipment			Weapon System Type:			Date: February 2004		
Weapon System Cost Elements	ID CD	FY03			FY 04			FY05					
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost			
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$			
Third Echelon Test System					9460	11	860000	10500	16	656250			
Eng/Tech Svcs		775			299			307					
Training					166			169					
Support Equipment					3750								
Software Integration		998			2400			2437					
Logistics Support					2993			260					
Program Management		200			133			130					
TETS EO		5888											
MC Automatic Test Equipment					1111			2020					
Marine Corps Application Systems		3500											
Total		11361			20312			15823					
Active		11361			18631			14088					
Reserve					1681			1735					
REMARKS: Third Echelon Test Sets (TETS)- Buying different systems each FY due to unit price change. Electro Optics & Radio Frequency FY 04 QTY 10 EO QTY 1 RF FY05 12 EO 4 EO/RF FY06 11 EO/RF FY07 12 EO/RF FY08 4 EO/RF 13 EO TETS EO Congressional Add in FY-03 For TETS EO and /or MC Test Program Sets 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 applications to support multiple weapon systems													

Exhibit P-5a, Budget Procurement History and Planning

Date: February 2004

Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronics Equipment (4)		Weapon System Type:			P-1 Line Item Nomenclature: Auto Test Equipment					
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
Third Echelon Test System	ManTech, Chanitty, Va TBD TBD	FFP	MARCORSYSCOM	N/A	N/A					
FY03		FFP	MARCORSYSCOM	Apr-04	Aug-04	11	860000	YES	N/A	Dec-03
FY04		FFP	MARCORSYSCOM	Oct-04	Feb-05	16	656250	YES	N/A	N/A
FY05										
REMARKS:										

Exhibit P-20, Requirements Study		Appropriation/Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronics Equipment (4)					Date: February 2004		
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items): Third Echelon Test System		Admin Leadtime (after Oct 1):					Prod Leadtime: 5 Months		
Line Descriptions: (Enter name of Sub-BLI Item Here)		FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	
Buy Summary			11	16	11	12	17		
Unit Cost			860.0	656.0	720.0	755.9	695.0		
Total Cost			9460.0	10500.0	7920.0	9070.8	11815.0		
Asset Dynamics									
Beginning Asset Position		200	200	204	227	238	250	267	
Deliveries from: Prior Years Funding									
Deliveries from: FY 2002 Funding									
Deliveries from: FY 2003 Funding									
Deliveries from: FY 2004 Funding			4	7					
Deliveries from Subsequent Years Funds				16	11	12	17		
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/Attritions									
End of Year Asset Position		200	204	227	238	250	267	267	
Inventory Objective or Current Authorized Allowance									
Inventory Objective 297		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement	Aircraft: TOAI
Assets Rqd for Combat Loads:	297	thru FY XXXX		thru FY XXXX		thru FY XXXX		FY 2004	PAA: TAI
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 2005	Attrition Res
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment	BAI
Other:		FY XXXX		FY XXXX		FY XXXX			Inactive Inv
Total:	297								Storage
Remarks:									

