

Exhibit P-40, Budget Item Justification Sheet

Date: February 2004

Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Guided Missiles and Equipment (3) P-1 Item Nomenclature: PEDESTAL MOUNTED STINGER (AVENGER)

Program Element: 0206128M Low Altitude Air Defense Battalion 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	14.7			1.6	0.8	10.0	6.5	9.5	3.5	8.7	0.0	55.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	14.7			1.6	0.8	10.0	6.5	9.5	3.5	8.7	0.0	55.3
Initial Spares	0.0			0.0	0.0	0.6	0.5	0.6	0.0	0.0	0.0	1.7
Total Proc Cost	14.7			1.6	0.8	10.6	7.0	10.1	3.5	8.7	0.0	56.9
Flyaway U/C												
Wpn Sys Proc U/C												

PEDESTAL MOUNTER STINGER (AVENGER) is a light weight, highly mobile gun/missile hybrid turret mounted on a heavy HMMWV. It provides 24 hour close-in low altitude air defense for the Marine Air Ground Task Force (MAGTF). The fire unit is comprised of a turret integrated with standard vehicle missile launchers (SVML), a .50 caliber machine gun, Forward Looking Infrared (FLIR) Receiver, Laser Range Finder (LRF), Identification Friend or Foe (IFF), control systems, and communications systems. The fire unit may be operated by the gunner in the turret or by using the Remote Control Unit (RCU). AVENGER carries equipment to allow use of the STINGER missiles in a MANPADS configuration. SINGARS radios provide the means for voice and data link communication. The Expeditionary Air Defense System (EADS) software which is hosted on the Remote Terminal Unit (RTU) integrates, correlates, and displays the air picture to the gunner and interfaces with AVENGER fire control computer. The Avenger weapon system provides low altitude, short range air defense capability for vital area defense or it provides general support, direct support, or support as an attached element of autonomous MAGTF unit(s) conducting independent operations. The Avenger/Stinger team remains the only fielded Marine Corps ground based air defense asset and will have a key role in air defense well beyond 2010. The Avenger/Stinger team will remain a vital part of Marine air defense for the future as the only weapons systems capable of engaging close in air threats. The retirement date for the Avenger is June 30, 2025. Funding sustains modernization and standarization plans, replaces obsolete components as well as provides continued logistical/programatic support. Funding will also be used to replace the Forward Looking Infra Red Device (FLIR), Slip Rings, Laser Range Finders, Intercoms and Gunners Console.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Guided Missiles and Equipment (3)			P-1 Line Item Nomenclature: PEDESTAL MOUNTED STINGER (AVENGER)			Weapon System Type:			Date: February 2004			
Weapon Svstem Cost Elements		ID	FY 02			FY 03			FY 04			FY 05		
		CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
			\$000	Each	\$	\$000	Each	\$	\$000	Each	\$			
Procurement Support														
ILS					208				42			441		
Engineering & Program Support					333				219			553		
Avenger Weapon System														
FLIR/LRF/Monitor Replacement												7800	65	120000
AFCC Software Procurement					497									
PLGR Procurement					51	35	1457							
SINGGAR Mounts Procurement					9	6	1500							
I2P2 ILS LAND NAV/AFCC					550				550					
LAND NAV Procurement												230	10	23000
AFCC Procurement												980	20	49000
TOTAL					1648				811			10004		
Active Reserve					1648				811			10004		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2004

Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Guided Missiles and Equipment (3) Weapon System Type: P-1 Line Item Nomenclature: STINGER MISSILE MODIFICATION

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
Avenger FLIR/LRF/Monitor Replacement										
FY05	TBD	C/FFP	SYSCOM, Quantico	Dec-04	Apr-05	65	120000	YES	N/A	Apr-04
Avenger Land Nav										
FY05	Spectra Systems, Boca Raton FL	C/FFP	MCSC, Quantico	Oct-04	Jun-05	10	23000	YES	N/A	N/A
Avenger AFCC										
FY05	BOEING, Huntsville, AL	C/FFP	MCSC, Quantico	Oct-04	Jun-05	20	49000	YES	N/A	N/A

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): PEDESTAL MOUNTED STINGER (AVENGER)			Admin Leadtime (after Oct 1): 2 Months					Prod Leadtime: 4 Months			
Line Descriptions:		FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009		
Avenger FLIR/LRF/Monitor Replaceme											
Buy Summary					65	48	58				
Unit Cost					120.0	120.0	120.0				
Total Cost					7800.0	5760.0	6960.0				
Asset Dynamics											
Beginning Asset Position						65	113	171	171		
Deliveries from: FY 2004 Funding											
Deliveries from: FY 2005 Funding					65						
Deliveries from: FY 2006 Funding						48					
Deliveries from Subsequent Years Funds							58				
Other Gains											
Combat Losses											
Training Losses											
Test Losses											
Other Losses											
Disposals/Retirements/Attritions											
End of Year Asset Position					65	113	171	171	171		
Inventory Objective or Current Authorized Allowance					188	188	188	188	188		
Inventory Objective 188		Actual Training Expenditures		Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for Replacement	Aircraft: TOAI		
Assets Rqd for Combat Loads:		03 thru FY XXXX		03 thru FY XXXX		03 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 Storage		
Total:											
Remarks: MROC Decision Memo 02-2003 dtd 12 Nov 02 approved AAO for Avenger at 188.											

