Exhibit P-40, Budget Item Justification Sheet	Justification	Sheet						Date:	February 2006	
Appropriation / Budget Activity / Serial No: Procurement of W&TCY, Army / 2 / Weapons and other combat vehicles	ial No: / Weapons and other co	mbat vehicles		P-1	P-1 Item Nomenclature HOWITZERLT	Nomenclature HOWITZER LT WT 155MM (T) (G01700)	) (G01700)			
Program Elements for Code B Items: 0604854A		Code: B	Other R	Other Related Program Elements:	Elements:					
	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Prog
Proc Qty		16	19	88	126				40	286
Gross Cost	0.6	37.0	47.5	187.5	267.6	7.0			92.0	647.7
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1	0.6	37.0	47.5	187.5	267.6	7.0			92.0	647.7
Initial Spares										
Total Proc Cost	0.6	37.0	47.5	187.5	267.6	7.0			92.0	647.7
Flyaway U/C										
Weapon System Proc U/C		2.3	2.5	2.2	2.1				2.3	2.3
D										

control system but retains conventional fire control as a backup. The digital fire control enables the LW155 Howitzer to emplace faster and without survey, aiming posts or an aiming circle. Digital The Lightweight 155mm Towed Howitzer (LW155) is a Joint USMC/Army Program. A 40% reduction in weight compared to the current system allows for greater strategic and tactical mobility communications and an on-board antenna eliminate the need for wire to the Fire Direction Center and increases dispersion and survivability on the battlefield. Modifications to the existing prime while improving range, weapon stability, accuracy, and durability. Significantly improved battlefield mobility creates a weapon that is more survivable and lethal. The LW155 has a digital fire mover enable the howitzer unit to navigate, recharge the system and receive fire missions, all while moving to the next firing position. The PM is working closely with PM Excalibur to incorporate Excalibur precision Global Positioning System/Inertial Navigation Unit (GPS/INU) guided 155mm projectile compatibility by 4QFY06. Excalibur will provide precision strike capability (10 meter accuracy) out to ranges of 40 kilometers.

FY05-08 Full Rate Production contract is a joint multiyear procurement with the USMC.

## Justification:

Marine Corps for FY05-FY08. LW155 replaces the M198 Towed Howitzer for the U.S. Army and USMC. The LW155 must be procured in FY07 to continue replacing the aging, heavier M198 howitzer. The LW155 is the cannon fire support for the Army's Stryker Brigade Combat Teams (SBCT). The United Kingdom and Italy participated in the development of the LW155 under an FY 2007 procures 85 Lightweight 155mm Towed Howitzers (LW155). This quantity and the Army's overall procurement of LW155s are a joint multi-year procurement with the United States MOU and the UK has signed a production MOU with the US.

Budget Item Justification Sheet

HOWITZER LT WT 155MM (T)

G01700

Exhibit P-5	Weapon System Cost Analysis

Exhibit P-5a, Budget Procurement History an	t History and Planning						Date: Feb	Date: February 2006	90
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles	Weapo	P-1 Line Item Nomenclature: HOWITZER LT WT 155MN	P-1 Line Item Nomenclature: HOWITZER LT WT 155MM (T) (G01700)				_		
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost	Specs D Avail Re Now? Av	Date RFP Revsn Issue Avail Date
WVA Cannon Long Lead									
FY 2005	Watervliet Arsenal Watervliet, NY 12189	MIPR		Mar 05	Mar 06	19	46		
FY 2006	Watervliet Arsenal Watervliet, NY 12189	MIPR		Mar 06	Mar 07	85	46		
FY 2007	Watervliet Arsenal Watervliet, NY 12189	MIPR		Mar 07	Mar 08	126	46		
BAE Lightweight 155mm Howitzer									
FY 2005	BAE SYSTEMS Barrow-in-Furness, UK	MYP/FFP	Picatinny Arsenal, NJ	Mar 05	Apr 06	16	1676		
FY 2006	BAE SYSTEMS Barrow-in-Furness, UK					19	1700		
FY 2007	BAE SYSTEMS Barrow-in-Furness, UK					85	1700		
Watervliet Arsenal Cannon									
FY 2005	Watervliet Arsenal Watervliet, NY 12189	MIPR		Mar 05	Mar 06	16	205		
FY 2006	Watervliet Arsenal Watervliet, NY 12189	MIPR		Mar 06	Mar 07	19	205		
FY 2007	Watervliet Arsenal Watervliet, NY 12189	MIPR		Mar 07	Mar 08	85	205		
Primer Feed Mechanism									
FY 2005	HTD Hartford, CT	MYP/FFP	Picatinny Arsenal, NJ	Mar 05	Mar 06	16	18		
FY 2006	HTD Hartford, CT					19	18		
FY 2007	HTD Hartford, CT					85	18		
Optical Fire Control									
FY 2005	Seiler St. Louis, MO	MYP/FFP	Picatinny Arsenal, NJ	Nov '05	Mar '06	16	40		
FY 2006	Seiler St. Louis, MO					19	40		
FY 2007	Seiler St. Louis, MO					85	40		
								_	

Item No. 30 Page 3 of 3 36

G01700 HOWITZER LT WT 155MM (T)

Exhibit P-5a, Budget Procurement History and	ry and Planning						Date: Febr	Date: February 2006	100
Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles	Weapon System Type:	P-1 Line Item N HOWITZER L1	P-1 Line Item Nomenclature: HOWITZER LT WT 155MM (T) (G01700)	<u> </u>			_		
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$	Specs Date Avail Revsn Now? Avail	e RFP sn Issue il Date
REMARKS:									4

Exhibit P-21	Production Schedule

FY 04 / 05 BUDGET PRODUCTION SCHEDULE	3UDC	GET PRO	ODO	CTIO	N SCI	HEDL	ILE			P-1 ITE HOWIT	M NON ZER L	TENCE T WT 1.	P-1 ITEM NOMENCLATURE HOWITZER LT WT 155MM (T) (G01700)	J (T) (G0	1700)					ŭ	Date:	Febi	February 2006	900				
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_	Ľ.	•	Э Э	QTY P	PRIOR	DUE							Cale	Calendar Year 04	ear 04								Calend	Calendar Year 05	r 05			
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	-	FY 06 A		19	0	19																						
	-	FY 07 A		85	0	85																						
	-	FY 08 A		126	0	126										-												126
LW155 (USMC - For Information Only)	Only)						-	-	-	-							-	-					1	1				
	1	FY 05 MC	C	106	0	106										-	_					А						106
	-	FY 06 MC	C	75	0	75																						
	-	FY 07 MC	C	34	0	34																						
	_	FY 08 MC	C	47	0	47																						
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Total				208		508																						508
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		1 FY	FY 08 A		126	0	126																						126
LW155 (USMC - For Information Only)	nation Onl	ly)								-							-	-	-										
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		1 F	FY 06 A		19	19																							
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		1 F	FY 08 A		126	0	126							7	7	7	7	7	7	7	7	7		7 11	14	14	10		0
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Exhibit P-21	Production Schedule

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