

# DEPARTMENT OF THE ARMY

## Procurement Programs



Committee Staff Procurement Backup Book  
Fiscal Year (FY) 2012 Budget Estimates

### **WEAPONS AND TRACKED COMBAT VEHICLES, ARMY**

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APPROPRIATION

February 2011

## **PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY**

### **APPROPRIATION LANGUAGE**

For construction, procurement, production, and modification of weapons and tracked combat vehicles, equipment, including ordnance, spare parts, and accessories therefore; specialized equipment and training devices; expansion of public and private plants, including the land necessary therefore, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes, \$1,970,629,000, to remain available for obligation until September 30, 2014.

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DEPARTMENT OF THE ARMY  
FY 2012 PROCUREMENT PROGRAM (WORKSETS INCLUDED)  
President's Budget 2012/13

EXHIBIT P-1

DATE: 08-Feb-2011

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**FY 2012 PROCUREMENT PROGRAM (WORKSETS INCLUDED)**  
**President's Budget 2012/13**

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**APPROPRIATION SUMMARY**  
**APPROPRIATION**

Procurement of W&TCV, Army  
**TOTAL PROCUREMENT PROGRAM**

DOLLARS IN THOUSANDS				
FY2010	FY2011	FY2012	FY2012 OCO	FY2012 Total
3,317,720	2,411,061	1,933,512	37,117	1,970,629
3,317,720	2,411,061	1,933,512	37,117	1,970,629

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APPROPRIATION Procurement of W&TCV, Army  
 ACTIVITY

	DOLLARS IN THOUSANDS					PAGE
	FY2010	FY2011	FY2012	FY2012 OCO	FY2012 Total	
01 Tracked combat vehicles	2,140,661	1,860,271	1,513,158		1,513,158	4
02 Weapons and other combat vehicles	1,177,059	550,790	313,511	37,117	350,628	6
03 Spare and repair parts			106,843		106,843	8
<b>APPROPRIATION TOTALS</b>	<b>3,317,720</b>	<b>2,411,061</b>	<b>1,933,512</b>	<b>37,117</b>	<b>1,970,629</b>	

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DATE: 08-Feb-2011

APPROPRIATION Procurement of W&TCV, Army

ACTIVITY 01 Tracked combat vehicles

DOLLARS IN THOUSANDS

LINE NO. ITEM NOMENCLATURE	ID	FY 2010		FY 2011		FY 2012		FY 2012 OCO		FY 2012 TOTAL	
		QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
<i>TRACKED COMBAT VEHICLES</i>											
1	STRYKER VEHICLE (G85100)	93	512,774	83	299,545	100	632,994			100	632,994
2	FCS SPIN OUTS (G86200)		(212,177)		(41,871)						
	Less: Advance Procurement (PY)		<u>(-43,139)</u>		<u>(-41,871)</u>						
			169,038		0						
3	FCS SPIN OUTS (G86200)										
	Advance Procurement (CY)		41,871								
	<i>SUB-ACTIVITY TOTAL</i>		<u>723,683</u>		<u>299,545</u>		<u>632,994</u>				<u>632,994</u>
<i>MODIFICATION OF TRACKED COMBAT VEHICLES</i>											
4	STRYKER (MOD) (GM0100)				591,352		52,797				52,797
5	FIST VEHICLE (MOD) (GZ2300)		70,087		31,083		43,962				43,962
6	BRADLEY PROGRAM (MOD) (GZ2400)		768,332		215,133		250,710				250,710
7	HOWITZER, MED SP FT 155MM M109A6 (MOD) (GA0400)		42,608		105,277		46,876				46,876
8	IMPROVED RECOVERY VEHICLE (M88A2 HERCULES) (GA0570)	27	105,215	17	69,609		10,452				10,452
9	ASSAULT BREACHER VEHICLE (G82925)	13	63,055	17	77,930	19	99,904			19	99,904
10	M88 FOV MODS (G80571)				9,157		32,483				32,483
11	JOINT ASSAULT BRIDGE (GZ3001)		1,500	9	44,133						
12	M1 ABRAMS TANK (MOD) (GA0700)		174,562		230,907		160,578				160,578
13	ABRAMS UPGRADE PROGRAM (GA0750)	22	185,038	21	183,000	21	181,329			21	181,329
	<i>SUB-ACTIVITY TOTAL</i>		<u>1,410,397</u>		<u>1,557,581</u>		<u>879,091</u>				<u>879,091</u>
<i>SUPPORT EQUIPMENT AND FACILITIES</i>											

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DATE: 08-Feb-2011

APPROPRIATION Procurement of W&TCV, Army

ACTIVITY 01 Tracked combat vehicles

DOLLARS IN THOUSANDS

LINE NO. ITEM NOMENCLATURE	ID	FY 2010		FY 2011		FY 2012		FY 2012 OCO		FY 2012 TOTAL	
		QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
14 PRODUCTION BASE SUPPORT (TCV-WTCV) (GA0050)			6,581		3,145		1,073				1,073
<i>SUB-ACTIVITY TOTAL</i>			<u>6,581</u>		<u>3,145</u>		<u>1,073</u>				<u>1,073</u>
ACTIVITY TOTAL			<u>2,140,661</u>		<u>1,860,271</u>		<u>1,513,158</u>				<u>1,513,158</u>

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APPROPRIATION Procurement of W&TCV, Army

ACTIVITY 02 Weapons and other combat vehicles

DOLLARS IN THOUSANDS

LINE NO. ITEM NOMENCLATURE	ID	FY 2010		FY 2011		FY 2012		FY 2012 OCO		FY 2012 TOTAL	
		QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
<i>WEAPONS AND OTHER COMBAT VEHICLES</i>											
15	HOWITZER, LIGHT, TOWED, 105MM, M119 (G01300)		39,536	2	5,575						
16	Integrated Air Burst Weapon System Family (G16101)					5	16,046			5	16,046
17	M240 Medium Machine Gun (7.62mm) (G13000)	1,400	19,296	1,655	28,179						
18	MACHINE GUN, CAL .50 M2 ROLL (GB2000)	4,230	82,491	5,900	79,496	4,700	65,102			4,700	65,102
19	LIGHTWEIGHT .50 CALIBER MACHINE GUN (G12800)		974	350	18,941	700	28,796	118	5,427	818	34,223
20	M249 SAW Machine Gun (5.56mm) (G12900)		2,526								
21	MK-19 Grenade Machine Gun (40mm) (G13400)		7,676	238	4,465						
22	Mortar Systems (G02200)	315	14,733	274	25,682	70	12,477			70	12,477
23	M107, CAL. 50, SNIPER RIFLE (G01500)		223		235						
24	XM320 GRENADE LAUNCHER MODULE (GLM) (G01501)	8,025	29,874	9,297	38,782	2,873	12,055			2,873	12,055
25	M110 SEMI-AUTOMATIC SNIPER SYSTEM (SASS) (G01505)	422	6,204	155	5,159						
26	M4 Carbine (G14904)	12,000	20,437	11,494	20,180	19,409	35,015			19,409	35,015
27	SHOTGUN, MODULAR ACCESSORY SYSTEM (MASS) (G18300)			3,659	7,153	3,038	6,707			3,038	6,707
28	Common Remotely Operated Weapons Station (CROWS) (G04700)	2,284	552,370	425	100,000			64	14,890	64	14,890
29	HANDGUN (G15325)	5,000	3,379	5,000	3,371						
30	HOWITZER LT WT 155MM (T) (G01700)	53	157,415	14	62,000		13,066				13,066
<i>SUB-ACTIVITY TOTAL</i>			<u>937,134</u>		<u>399,218</u>		<u>189,264</u>		<u>20,317</u>		<u>209,581</u>

*MODIFICATION OF WEAPONS AND OTHER COMBAT VEHICLES*

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APPROPRIATION Procurement of W&TCV, Army

ACTIVITY 02 Weapons and other combat vehicles

DOLLARS IN THOUSANDS

LINE NO. ITEM NOMENCLATURE	ID	FY 2010		FY 2011		FY 2012		FY 2012 OCO		FY 2012 TOTAL	
		QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
31 MK-19 Grenade Machine Gun MODS (GB3000)			8,523		4,286						
32 M4 CARBINE MODS (GB3007)	A		35,525		26,944	25,092		16,800			41,892
33 M2 50 Cal Machine Gun MODS (GB4000)	B		36,766		15,000	14,856					14,856
34 M249 SAW Machine Gun MODS (GZ1290)			33,695		5,922	8,480					8,480
35 M240 Medium Machine Gun MODS (GZ1300)	A		22,709		15,852	15,718					15,718
36 SNIPER RIFLES MODIFICATIONS (GZ1500)						1,994					1,994
37 M119 MODIFICATIONS (GC0401)	A		46,478		61,310	38,701					38,701
38 M16 RIFLE MODS (GZ2800)	A		4,173		3,855	3,476					3,476
39 M14 7.62 RIFLE MODS (GZ2801)	A		8,800								
40 MODIFICATIONS LESS THAN \$5.0M (WOCV-WTCV) (GC0925)			8,538		6,083	2,973					2,973
<i>SUB-ACTIVITY TOTAL</i>			<u>205,207</u>		<u>139,252</u>	<u>111,290</u>		<u>16,800</u>			<u>128,090</u>
<i>SUPPORT EQUIPMENT AND FACILITIES</i>											
41 ITEMS LESS THAN \$5.0M (WOCV-WTCV) (GL3200)			5,549								
42 PRODUCTION BASE SUPPORT (WOCV-WTCV) (GC0050)			23,781		7,869	10,080					10,080
43 INDUSTRIAL PREPAREDNESS (GC0075)			391		409	424					424
44 SMALL ARMS EQUIPMENT (SOLDIER ENH PROG) (GC0076)			4,997		4,042	2,453					2,453
<i>SUB-ACTIVITY TOTAL</i>			<u>34,718</u>		<u>12,320</u>	<u>12,957</u>					<u>12,957</u>
<b>ACTIVITY TOTAL</b>			<u>1,177,059</u>		<u>550,790</u>	<u>313,511</u>		<u>37,117</u>			<u>350,628</u>

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APPROPRIATION Procurement of W&TCV, Army

ACTIVITY 03 Spare and repair parts

DOLLARS IN THOUSANDS

LINE NO. ITEM NOMENCLATURE	ID	FY 2010		FY 2011		FY 2012		FY 2012 OCO		FY 2012 TOTAL	
		QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
<i>SPARES AND REPAIR PARTS</i>											
45							106,843				106,843
							<u>106,843</u>				<u>106,843</u>
			<u>0</u>		<u>0</u>		<u>106,843</u>				<u>106,843</u>
			<u>3,317,720</u>		<u>2,411,061</u>		<u>1,933,512</u>		<u>37,117</u>		<u>1,970,629</u>

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M110 SEMI-AUTOMATIC SNIPER SYSTEM (SASS) (025 - G01505)	149
M119 MODIFICATIONS (037 - GC0401)	217
M14 7.62 RIFLE MODS (039 - GZ2801)	223
M16 RIFLE MODS (038 - GZ2800)	222
M2 50 Cal Machine Gun MODS (033 - GB4000)	194
M240 Medium Machine Gun (7.62mm) (017 - G13000)	100
M240 Medium Machine Gun MODS (035 - GZ1300)	211
M249 SAW Machine Gun (5.56mm) (020 - G12900)	126
M249 SAW Machine Gun MODS (034 - GZ1290)	200
M4 Carbine (026 - G14904)	154
M4 CARBINE MODS (032 - GB3007)	185
M88 FOV MODS (010 - G80571)	55
MACHINE GUN, CAL .50 M2 ROLL (018 - GB2000)	108
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# Alphabetic Listing - Procurement of W&TCV, Army

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<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Item Nomenclature STRYKER VEHICLE (G85100)
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Program Elements for Code B Items: 0603653A/C03	Code: A	Other Related Program Elements:										
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty	3881	93	83	100		100	68				513	4738
Gross Cost	11632.4	512.8	299.5	633.0		633.0	368.5			327.5	2541.5	16315.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	11632.4	512.8	299.5	633.0		633.0	368.5			327.5	2541.5	16315.3
Initial Spares				99.6		99.6	34.5					134.2
Total Proc Cost	11632.4	512.8	299.5	732.6		732.6	403.0			327.5	2541.5	16449.4
Flyaway U/C												
Weapon System Proc U/C	3.8	5.5	3.6	6.3		6.3	5.4				12.0	3.4

<b>P-40 Breakdown</b>										
Area		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016
Active	Qty	93	83	62	0	62	20	0	0	0
	Gross Cost	512774.0	299545.0	403997.0	0.0	403997.0	102054.0	0.0	0.0	327509.0
National Guard	Qty	0	0	25	0	25	12	0	0	0
	Gross Cost	0.0	0.0	213421.0	0.0	213421.0	41437.0	0.0	0.0	0.0
Reserve	Qty	0	0	13	0	13	36	0	0	0
	Gross Cost	0.0	0.0	15576.0	0.0	15576.0	225018.0	0.0	0.0	0.0
Total	Qty	93	83	100	0	100	68	0	0	0
	Gross Cost	512774	299545	632994	0	632994	368509	0	0	327509

**Description:**  
A dynamic asymmetric threat and operational environment demands full spectrum, strategically responsive, agile and dominant land forces. Immediate response by a lethal, versatile, tactically agile joint force capable of operational maneuver is essential to fulfilling the Army's Warfighting needs. The Stryker-equipped BCT is this force. The use of a common platform/common chassis design reduces requirements for repair parts and logistics support in the area of operations.

The Stryker Brigade Combat Team (SBCT), equipped with Stryker Vehicles can be used across the full spectrum of military operations. The Stryker Brigade Combat Team deploys rapidly and conducts effective combat operations immediately on arrival to prevent, contain, stabilize, or resolve a conflict through shaping and decisive operations. Configurations of Stryker Vehicles are:

Infantry Carrier: The Infantry Carrier Vehicle (ICV) carries an infantry squad with individual equipment. The ICV also provides protected transport and supporting fires for the infantry squad during dismounted assault.

Reconnaissance Vehicle: The Reconnaissance Vehicle (RV) provides force situational awareness, gathering and transmitting real time intelligence while moving throughout the battlefield in close, complex, and urban terrain.

Mobile Gun System: The Mobile Gun System (MGS) supports dismounted infantry and engages the enemy in close combat in order to clear opposition and permit rapid movement allowing the force to maintain the initiative, occupy and/or secure key objectives, and defeat strong points.

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: February 2011
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles		P-1 Item Nomenclature STRYKER VEHICLE (G85100)
Program Elements for Code B Items: 0603653A/C03	Code: A	Other Related Program Elements:
<p>Mortar Carrier: The Mortar Carrier (MC) will support infantry units with screening obscurants, suppressive forces and on-call supporting fires. 120mm, 81mm, and 60mm mortars provide complimentary capabilities with responsive, accurate and lethal indirect fire support to the dismounted infantry assault.</p> <p>Commander's Vehicle: The Commander's Vehicle (CV) provides the brigade commanders and infantry battalion commanders with the means to receive information and data, analyze, prepare and transmit data, and control the forces/functions carrying out combat missions.</p> <p>Fire Support Vehicle: The Fire Support Vehicle (FSV) provides automated enhanced surveillance, target acquisition, target identification, target tracking, target designation, position location, and communications functionality. Targets will be transmitted instantly to the fire support system and shooter.</p> <p>Engineer Squad Vehicle: The Engineer Squad Vehicle (ESV) provides maneuver/mobility support capabilities which include obstacle clearing, in-stride breaching of surface mines, proofing of subsurface mines, and smoke generation for local protection.</p> <p>Medical Evacuation Vehicle: The Medical Evacuation Vehicle (MEV) is the Battalion Aid Station for brigade units, providing treatment for serious injury and advanced trauma cases.</p> <p>Antitank Guided Missile Vehicle: The Antitank Guided Missile Vehicle (ATGM) is the brigade's primary tank killing system. The ATGM reinforces the brigade's infantry battalion, reinforces the brigade reconnaissance squadron, and provides long-range direct fires.</p> <p>NBC Reconnaissance Vehicle: The Nuclear, Biological, Chemical Reconnaissance Vehicle (NBCRV) provides on the move and remote near-real-time nuclear, biological and chemical detection and surveillance to supply battlefield visualization of NBC hazards.</p> <p>NBC Reconnaissance Vehicle: Live Fire Test &amp; Evaluation, 1: Complete Live Fire Test &amp; Evaluation, 2: 3QFY11 Production Verification Test: Complete Reliability Growth Test: Complete Initial Operational Test &amp; Evaluation, Phase II: Complete</p> <p><b>Justification:</b> FY2012 Base procurement dollars in the amount of \$632.994 million support the purchase of 100 NBCRV's to include the required Government Furnished Equipment (GFE), Basic Issue Items (BII), Associated Support Items of equipment (ASIOE), Components of End Item (COEI), Additional Authorized List (AAL), and to support these vehicles. Funding also provides for Program Management Support Costs both government and contractor, Logistics Engineering Support, System Technical Support, Depot Level Repair Instructions &amp; Equipment, System Fielding Support and Training Devices.</p> <p>FY2012 Army agreed to fund 59 NBCRV Sensor Suites with Joint Program Executive Office (JPEO) funding 41.</p> <p>IAW Section 1815 of the FY08 NDAA this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.</p>		

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles		P-1 Line Item Nomenclature: STRYKER VEHICLE (G85100)			Weapon System Type:			Date: February 2011		

WTCV Cost Elements	ID CD	FY 10			FY 11			FY 12 Base			FY 12 OCO			FY 12 Total		
		Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Stryker Vehicles																
-Infantry Carrier Vehicle (ICV)	A	136071	76	1790	95835	54	1775									
-Reconnaissance Vehicle (RV)	A	29287	17	1723	49960	29	1723									
-NBC Reconnaissance Vehicle (NBCRV)	A							301562	100	3016				301562	100	3016
-NBC RV Sensor Suite								64420						64420		
Surv Enhancement (SRAT/DEK/SLAT/CBS/HPK)		8236														
GFE (ASIOE/COEI/AAL)		13301			17171			50922						50922		
Engineering Change Orders (ECO)		2319			2257			4482						4482		
Basic Issue Items (BII)		815			634			1718						1718		
Government Test		27283						12741						12741		
Contractor Support to Test		21227						14904						14904		
Program Management Support (Govt)		56043			48122			48937						48937		
Program Management Support (Contractor)		15696			16565			16897						16897		
Logistics Engineer Support (Contractor)		12463			13152			14900						14900		
Depot Level Repair Instruction/Equipment		34415			18600			32040						32040		
System Fielding Support		27865			27455			34801						34801		
Vehicle Retrofit/OIF Fixes		16044														
Post Production Mods (unscheduled mods)		44575														
Initial Spares/Authorized Stock List ASL		1821			1530											
Training Devices		19640			5289			11074						11074		
System Technical Support (STS)		37632			2975			16947						16947		
Software Support		8041						6649						6649		
<b>Total:</b>		<b>512774</b>			<b>299545</b>			<b>632994</b>						<b>632994</b>		

<b>Exhibit P-5a, Budget Procurement History and Planning</b>	Date: February 2011
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Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles	Weapon System Type:	P-1 Line Item Nomenclature: STRYKER VEHICLE (G85100)
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WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Stryker Vehicles</b>										
FY 2010	GM GDLS Defense Group L.L.C. Shelby Township	SS / FFP	TACOM	Feb 10	May 11	76	1790	N/A	N/A	
FY 2010	GM GDLS Defense Group L.L.C. Shelby Township	SS / FFP	TACOM	Aug 10	Oct 12	17	1723	N/A	N/A	
FY 2011	GM GDLS Defense Group L.L.C. Shelby Township	SS / FFP	TACOM	May 11	Jun 12	83	1757	N/A	N/A	
FY 2012	GM GDLS Defense Group L.L.C. Shelby Township	SS / FFP	TACOM	Jan 12	Apr 13	100	2709	N/A	N/A	

REMARKS: Stryker vehicle contract has range pricing that is predicated on the total buy quantity as well as by specific variant.

FY 10 / 11 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE STRYKER VEHICLE (G85100)										Date: February 2011										
COST ELEMENTS						Fiscal Year 10										Fiscal Year 11														
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10										Calendar Year 11										Later				
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY		JUN	JUL	AUG	SEP
Stryker Vehicles																														
1	FY 08	A	25	9	16	2	2	2	2	2	2	2																0		
1	FY 08	A	10	0	10										1	1	2	2	2	2								0		
1	FY 08	A	62	0	62					1	2	4	6	6	6	6	6	7	5	7								0		
1	FY 08	A	359	179	180	22	31	27	26	29	22	14	9														0			
1	FY 08	A	191	26	165	20	10	11	10	12	18	21	25	29	9												0			
1	FY 08	A	76	0	76					A											9	39	14				14			
1	FY 08	ALL	30	0	30								2	2	2	2	2	2	3	3	3	3	3	3			0			
1	FY 09	A	312	0	312									3	11	11	10	9	10	8	17	17	17	17	17	17	17	114		
1	FY 09	A	40	0	40																			3	3	3	3	28		
1	FY 09	A	20	0	20										A									20			0			
1	FY 10	A	76	0	76					A														3	16	30	14	5		
1	FY 10	A	17	0	17										A												17			
1	FY 11	A	83	0	83																				A		83			
1	FY 12	A	62	62																							0			
1	FY 12	AR	13	13																							0			
1	FY 12	NG	25	25																							0			
1	FY 12	TOT	100	0	100																						100			
Total					1187	44	43	40	38	44	44	41	42	37	20	20	20	20	20	20	20	20	29	59	37	56	50	34	28	361
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	GM GDLS Defense Group L.L.C., Shelby Township	240	480	720		1	Initial	8	9	11	20	Leadtimes for the Stryker Production 8 variants is 11-13 Months. LT for the NBCRV is 15 Months and LT for the MGS is 21 Months.
							Reorder	0	4	15	19	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

**FY 12 / 13 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
STRYKER VEHICLE (G85100)

Date:  
February 2011

COST ELEMENTS					Fiscal Year 12												Fiscal Year 13												Later	
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12												Calendar Year 13												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG		SEP
Stryker Vehicles																														
1	FY 08	A	25	25																								0		
1	FY 08	A	10	10																								0		
1	FY 08	A	62	62																								0		
1	FY 08	A	359	359																								0		
1	FY 08	A	191	191																								0		
1	FY 08	A	76	62	14	5	4	5																				0		
1	FY 08	ALL	30	30																								0		
1	FY 09	A	312	198	114	17	17	16	16	16	16																	0		
1	FY 09	A	40	12	28	3	3	4	4	4	4	2																0		
1	FY 09	A	20	20																								0		
1	FY 10	A	76	71	5	5																						0		
1	FY 10	A	17	0	17	4	9	3	1																			0		
1	FY 11	A	83	0	83								4	11	19	20	20	9										0		
1	FY 12	A	62	62																								0		
1	FY 12	AR	13	13																								0		
1	FY 12	NG	25	25																								0		
1	FY 12	TOT	100	0	100				A															1	3	6	10	10	10	60
Total					361	34	33	28	21	20	20	20	2	4	11	19	20	20	9										60	
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	GM GDLS Defense Group L.L.C., Shelby Township	240	480	720		1	Initial	8	9	11	20	Leadtimes for the Stryker Production 8 variants is 11-13 Months. LT for the NBCRV is 15 Months and LT for the MGS is 21 Months.
							Reorder	0	4	15	19	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

COST ELEMENTS						Fiscal Year 14												Fiscal Year 15												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 14												Calendar Year 15												
						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 U L	A U G	S E P	

Stryker Vehicles																													
1	FY 08	A	25	25																								0	
1	FY 08	A	10	10																								0	
1	FY 08	A	62	62																								0	
1	FY 08	A	359	359																								0	
1	FY 08	A	191	191																								0	
1	FY 08	A	76	76																								0	
1	FY 08	ALL	30	30																								0	
1	FY 09	A	312	312																								0	
1	FY 09	A	40	40																								0	
1	FY 09	A	20	20																								0	
1	FY 10	A	76	76																								0	
1	FY 10	A	17	17																								0	
1	FY 11	A	83	83																								0	
1	FY 12	A	62	62																								0	
1	FY 12	AR	13	13																								0	
1	FY 12	NG	25	25																								0	
1	FY 12	TOT	100	40	60	10	10	10	10	10	10																	0	
Total					60	10	10	10	10	10	10																		
					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 U L	A U G	S E P	

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	GM GDLS Defense Group L.L.C., Shelby Township	240	480	720		1	Initial	8	9	11	20	Leadtimes for the Stryker Production 8 variants is 11-13 Months. LT for the NBCRV is 15 Months and LT for the MGS is 21 Months.
							Reorder	0	4	15	19	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2011

Appropriation / Budget Activity / Serial No:  
Procurement of W&TCV, Army / 1 / Tracked combat vehicles

P-1 Item Nomenclature  
FCS SPIN OUTS (G86200) (Adv. Proc.)

Program Elements for Code B Items:			Code:	Other Related Program Elements: N/A								
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty												
Gross Cost	25.5	212.2	41.9									279.5
Less PY Adv Proc	1.4	43.1	41.9									86.4
Plus CY Adv Proc	44.5	41.9										86.4
Net Proc P1	68.6	210.9										279.5
Initial Spares												
Total Proc Cost	68.6	210.9										279.5
Flyaway U/C												
Weapon System Proc U/C												

**Description:**  
The FCS Spin out program is the Army's plan to accelerate the delivery of mature FCS technologies and capabilities to the current force.

**Justification:**  
FY12 has no funding.

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles		P-1 Line Item Nomenclature: FCS SPIN OUTS (G86200)			Weapon System Type:			Date: February 2011		

WTCV Cost Elements	ID CD	FY 10			FY 11			FY 12 Base			FY 12 OCO			FY 12 Total		
		Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>Spin Out Program</b>																
Non recurring Production		22820														
<b>Recurring Production Costs</b>																
UGV		7865	51													
UGS		13801	68													
UAV		11283	36													
Network		34408	87													
NLOS-LS																
FY09 Long Lead Items																
<b>Recurring Production Support Costs</b>																
Production Support		99767														
Fielding Support		22233														
Less PY Adv Proc - Reqmnt (-)		- 43139														
Plus CY Adv Proc - Reqmnt		41871														
<b>Total:</b>		<b>210909</b>														

# Exhibit P-5a, Budget Procurement History and Planning

Date:  
February 2011

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: FCS SPIN OUTS (G86200)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date	
<b>UGV</b> FY 2010	Boeing Co. St. Louis, MO See remarks 1	C / FFP	TACOM, Warren, MI	Feb 10	Nov 10	51					
<b>UGS</b> FY 2010	Boeing Co. St. Louis, MO See remarks 2	C / FFP	TACOM, Warren, MI	Feb 10	Nov 10	68					
<b>UAV</b> FY 2010	Boeing Co. St. Louis, MO See remarks 3	C / FFP	TACOM, Warren, MI	Feb 10	Nov 10	36					
<b>Network</b> FY 2010	Boeing Co. St. Louis, MO See remarks 4	C / FFP	TACOM, Warren, MI	Feb 10	Nov 10	87					

REMARKS: 1. Subcontractor: IRobot, Huntsville, AL  
 2. Subcontractor: Textron, Wilmington, MA  
 3. Subcontractor: Honeywell, Albuquerque, NM  
 4. Subcontractor: GDIAS, Bloomington, MN and BAE Systems, Wayne, NJ



FY 12 / 13 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE FCS SPIN OUTS (G86200)										Date: February 2011									
COST ELEMENTS					Fiscal Year 12										Fiscal Year 13										Later				
MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12										Calendar Year 13													
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR		MAY	JUN	JUL	AUG
UGV																													
1	FY 10	A	51	51																							0		
UGS																													
1	FY 10	A	68	68																							0		
UAV																													
1	FY 10	A	36	36																							0		
Network																													
1	FY 10	A	87	87																							0		
Total																													
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP

  

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Boeing Co., St. Louis, MO See remarks 1	1	4	6		1	Initial	0	9	9	18	
							Reorder	0	0	0	0	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2011

Appropriation / Budget Activity / Serial No:  
Procurement of W&TCV, Army / 1 / Tracked combat vehicles

P-1 Item Nomenclature  
FCS SPIN OUTS (G86200)

Program Elements for Code B Items:

Code:

Other Related Program Elements:  
N/A

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty												
Gross Cost											Continuing	Continuing
Less PY Adv Proc												
Plus CY Adv Proc	44.5	41.9										86.4
Net Proc P1	44.5	41.9										86.4
Initial Spares												
Total Proc Cost	44.5	41.9										86.4
Flyaway U/C												
Weapon System Proc U/C												

**Description:**

Procurement of long lead hardware for NLOS-LS, SUGV Block 1, U-UGS, T-UGS, ICS B-Kit, and Antenna B-Kit.

**Justification:**

FY12 has no funding.

<b>Advance Procurement Requirements Analysis-Funding (P-10A)</b>				First System Award Date: 2 Qtr FY09		First System Completion Date: 3 Qtr FY10			Date: February 2011			
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles						P-1 Line Item Nomenclature / Weapon System: FCS SPIN OUTS						
(\$ in Millions)												
	PLT (mos)	When Rqd (mos)	Pr Yrs	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	To Comp	Total
End Item Quantity												
Spin Outs	0	0										
NLOS-LS	0	0	29.8	29.7								59.5
ARV-A (L)	0	0										
MULE-CM	0	0										
SUGV Block 1	0	0	1.3	1.3								2.6
SUGV (Threshold)	0	0										
U-UGS	0	0	0.9	0.7								1.6
T-UGS	0	0	2.6	1.7								4.3
UAV Class 1 Block 0	0	0										
UAV Class 1 (Threshold)	0	0										
UAV Class 4	0	0										
Universal Ground Control Station	0	0										
Centralized Controller	0	0										
NLOS-LS Control Cell	0	0										
Additional Hardware	0	0										
ICS B-Kit	0	0	8.0	7.7								15.7
Antenna B-Kit	0	0	0.8	0.8								1.6
ICS and GPCS	0	0										
LSI SEPM	0	0	1.1									1.1
<b>Total Advance Procurement</b>			<b>44.5</b>	<b>41.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>86.4</b>
Notes: Spin Outs (FY10) NLOS-LS estimate includes Semi Active Laser (SAC) receiver, camera core, battery, network radio (SCRS) assembly, rocket motor, and warhead cancellation. Integrated Computer System (ICS) estimate includes computer Large Network Processor (LNP) sub-assembly, input/output (I/O) card, and power supply cards. Unmanned Ground Sensor (T & U-UGS) estimate includes Electric Optical/Infrared (EO/IR) head assembly, radio, circuits, transistors, connectors, thermal eye, and sensors. Ground Platform Communications Systems (GPCS) estimate includes Connectors - Multiband Filter (MBF), and test equipment components for payload testing. Small Unmanned Ground Vehicle (SUGV) Block 1 estimate includes sensor head, and integrated radio.												

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2011

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles  
 P-1 Item Nomenclature: STRYKER (MOD) (GM0100)

Program Elements for Code B Items:			Code: A	Other Related Program Elements:								
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty												
Gross Cost			591.4	52.8		52.8	109.7	75.7	81.2	160.3	893.4	1964.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1			591.4	52.8		52.8	109.7	75.7	81.2	160.3	893.4	1964.5
Initial Spares												
Total Proc Cost			591.4	52.8		52.8	109.7	75.7	81.2	160.3	893.4	1964.5
Flyaway U/C												
Weapon System Proc U/C												

**Description:**  
 The ever changing threat and operational environment demands full spectrum, strategically responsive, agile and dominant land forces. Immediate response by a lethal, versatile, tactically agile joint force capable of operational maneuver is essential to fulfilling the Army's War fighting needs. The Stryker Family of Vehicles (FOV) is this force. Modifications to the Stryker FOV are necessary to increase survivability and protection of the Stryker crew when the Stryker brigades are deployed in support of Operation Enduring Freedom (OEF).

**Justification:**  
 FY12 Base procurement dollars in the amount of \$52.797 million support the purchase of training devices, the application of Survivability Kits, correct deficiencies to the Mobile Gun System and obsolescence issues. Stryker Vehicle Maintainer Training Course identified the need for additional training devices. Survivability/Enhancements to include such things as Slat Rocket Propelled Grenade (RPG) Protection, Common Ballistic Shield, CREW A Kits, Blue Force Tracking, Driver's Enhancement Kit, and Mine Protection Kit to support the Active Army and the enhancement of the Video Display Electronic Terminal (VDET).

Exhibit P-40M, Budget Item Justification Sheet							Date: February 2011			
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles					P-1 Item Nomenclature STRYKER (MOD) (GM0100)					
Appropriation / Budget Activity / Serial No:					P-1 Item Nomenclature					
Program Elements for Code B Items:					Code: A		Other Related Program Elements:			
Description		Fiscal Years								
OSIP No.	Classification	2010 & PR	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	TC	Total
Video Display Electronic Terminal (VDET)										
0-00-00-0000	Operational	0.0	10.1	11.6	10.3	11.1	11.2	10.4	84.1	148.8
C4I Obsolescence and Next Generation Items										
0-00-00-0000	Operational	0.0	0.0	0.0	16.6	9.0	11.3	60.4	405.2	502.5
Mobile Gun System (MGS) Deficiencies										
0-00-00-0000	Safety	0.0	8.6	8.9	0.0	0.0	0.0	0.0	0.0	17.5
Remote Weapon Station Block ILE Retrofit										
0-00-00-0000	Operational	0.0	0.0	0.0	30.2	15.6	10.3	43.3	125.1	224.5
Targeting Under Armor										
0-00-00-0000	Operational	0.0	0.0	0.0	20.4	27.0	35.3	34.0	0.0	116.7
Block Mod Retrofit										
0-00-00-0000	Safety	0.0	66.4	13.6	12.0	13.0	13.1	12.2	279.0	409.3
Training Aids, Devices, Simulators and Simulations										
0-00-00-0000	Operational	0.0	0.0	18.7	20.2	0.0	0.0	0.0	0.0	38.9
OEF Survivability Enhancements										
0-00-00-0000	Safety	0.0	445.0	0.0	0.0	0.0	0.0	0.0	0.0	445.0
Production Support										
0-00-00-0000	Operational	0.0	61.3	0.0	0.0	0.0	0.0	0.0	0.0	61.3
Totals		0.0	591.4	52.8	109.7	75.7	81.2	160.3	893.4	1964.5

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE: Video Display Electronic Terminal (VDET) [MOD 1] 0-00-00-0000

MODELS OF SYSTEM AFFECTED: Stryker Family of Vehicles

DESCRIPTION / JUSTIFICATION:  
 Video Display electronic Terminal (VDET) replaces the Video Display Terminal (VDT) in the embedded training module due to obsolescence. Device combines three (3) obsolete contractor furnished Line Replaceable Units (LRU), reducing Size, Weight and Power (SWAP) for this critical Command, Control, Communications, Computers and Intelligence Software Radios (C4ISR) system by 40%. Upgrade includes Vehicle Smart Display that supports new computing needs as well as existing Command and Control (C2) and Situational Awareness requirements. Upgrade also includes Core 2 Duo Intel Processor, 2 GB of RAM (upgradeable to 4 GB), and a removable solid state hard drive and 4 RS170 input/output ports, capable of providing video switching from four (4) devices or video streaming from two (2) devices. Program Management Support listed on the P40m, Part B includes Systems Technical Support, Logistics Engineering Support and Government/Contract Test Support costs.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Installation Schedule

	Pr Yr Totals	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs				350				350				350				350				350	
Outputs				350				350				350				350				350	

  

	FY 2016				FY 2017				FY 2018				FY 2019				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs			350														2584	4684
Outputs			350														2584	4684

METHOD OF IMPLEMENTATION: Contractor Field      ADMINISTRATIVE LEADTIME: 1 months      PRODUCTION LEADTIME: 7 months  
 Retrofit  
 Contract Dates:                      FY 2012 - Oct 11                      FY 2013 - Oct 12                      FY 2014 - Oct 13  
 Delivery Dates:                      FY 2012 - May 12                      FY 2013 - May 13                      FY 2014 - May 14

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE (cont): Video Display Electronic Terminal (VDET) [MOD 1] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	FY 2010 and Prior		2011		2012		2013		2014		2015		2016		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
<b>RDT&amp;E</b>																		
<b>Procurement</b>																		
<b>Installation of Hardware</b>																		
Program Management Support				1.3		2.6		1.2		1.8		1.8		0.8		9.3		18.8
Hardware			350	8.7	350	8.9	350	9.0	350	9.2	350	9.3	350	9.5	2584	74.1	4684	128.7
FY 2009 & Prior Equip -- Kits																		
FY 2010 -- Kits																		
FY 2011 Equip -- Kits			350	0.1													350	0.1
FY 2012 Equip -- Kits					350	0.1											350	0.1
FY 2013 Equip -- Kits							350	0.1									350	0.1
FY 2014 Equip -- Kits									350	0.1							350	0.1
FY 2015 Equip -- Kits											350	0.1					350	0.1
FY 2016 Equip - Kits													350	0.1			350	0.1
TC Equip- Kits															2584	0.7	2584	0.7
Total Installment	0	0.0	350	0.1	350	0.1	350	0.1	350	0.1	350	0.1	350	0.1	2584	0.7	4684	1.3
Total Procurement Cost		0.0		10.1		11.6		10.3		11.1		11.2		10.4		84.1		148.8

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE: Mobile Gun System (MGS) Deficiencies [MOD 3] 0-00-00-0000

MODELS OF SYSTEM AFFECTED: Stryker Family of Vehicles - Mobile Gun System (MGS)

**DESCRIPTION / JUSTIFICATION:**

Correction of Mobile gun System (MGS) near and mid-term deficiencies as required in accordance with the Acquisition Decision Memorandum, Subject: Stryker Mobile Gun System (MGS), dated August 5, 2008. Correction of MGS Deficiencies includes Mission Equipment Package (MEP) Reliability, Heat Abatement, Air Conditioning, Commander's Weapon Station Protection (Lower Mount and Shield), Replenisher Cover, and Hydraulic Circuit Separation. Program Management Support listed on the P40m, Part B includes Systems Technical Support, Logistics Engineering Support and Government/Contract Test Support costs.

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):**

Congressional reporting to track progress toward correction of the deficiencies is required every 180 days until December 31, 2011. As of the report dated 28 Dec 09, nine (9) of the twenty-three (23) deficiencies have been mitigated, by either material fixes or Techniques, Tactics and Procedures (TTP). Of the remaining fourteen (14) deficiencies, solutions for ten (10) deficiencies have been identified and are scheduled to be tested and evaluated. The remaining four (4) deficiencies (deficiency #6 - inadequate ready load for 7.62 coax machine gun; deficiency #10 - inadequate space to reload 7.62 coax machine gun; deficiency #15 - gun pod protection; and deficiency #16 - hydraulic circuit separation for redundancy) have been reviewed and the TRADOC Capabilities Manager (TCM) for the Stryker Brigade Combat Team has approved the way ahead.

Engineering Change Order (ECO) Block 1 Test: Complete

ECO Block 2 Test: Test ongoing with approximately 3,000 miles and 262 rounds completed.

Live Fire Test and Evaluation (LFT&E): March-October 2010 at Aberdeen Proving Grounds, Maryland, LFT events included characterization of the MGS survivability upgrades through controlled damage tests, coupon testing, Ballistic Hull and Turret (BH&T) and Full-Up System Level (FUSL) events.

**Installation Schedule**

Pr Yr Totals	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs			18				142													
Outputs				18				142												

  

	FY 2016				FY 2017				FY 2018				FY 2019				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		160
Outputs																		160

METHOD OF IMPLEMENTATION: Contractor Field      ADMINISTRATIVE LEADTIME: 2 months      PRODUCTION LEADTIME: 7 months  
 Retrofit  
 Contract Dates: FY 2012 - Nov 11      FY 2013 -      FY 2014 -  
 Delivery Dates: FY 2012 - Jun 12      FY 2013 -      FY 2014 -

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE (cont): Mobile Gun System (MGS) Deficiencies [MOD 3] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	FY 2010 and Prior		2011		2012		2013		2014		2015		2016		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>																	
<b>Procurement</b>																		
<b>Installation of Hardware</b>																		
Program Management Support				1.1		2.0												3.1
Hardware			18	7.1	142	6.8											160	13.9
FY 2009 & Prior Equip -- Kits																		
FY 2010 -- Kits																		
FY 2011 Equip -- Kits			18	0.4													18	0.4
FY 2012 Equip -- Kits					142	0.1											142	0.1
FY 2013 Equip -- Kits																		
FY 2015 Equip -- Kits																		
FY 2015 Equip -- Kits																		
Total Installment	0	0.0	18	0.4	142	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	160	0.5
Total Procurement Cost		0.0		8.6		8.9		0.0		0.0		0.0		0.0		0.0		17.5

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE: Block Mod Retrofit [MOD 6] 0-00-00-0000

MODELS OF SYSTEM AFFECTED: Stryker Family of Vehicles

**DESCRIPTION / JUSTIFICATION:**

Retrofit of Survivability Enhancement Kits on to the Stryker Family of Vehicles (FOV) is required to increase survivability and protection of the Stryker vehicles and crew when the Stryker Brigades are deployed in support of Operation Enduring Freedom (OEF). Kits include Slat Rocket Propelled Grenade (RPG) Protection, Common Ballistic Shield, CREW A Kits, Blue Force Tracking, Driver's Enhancement Kit, and Mine Protection Kit. Program Management Support listed on the P40m, Part B includes Systems Technical Support, Logistics Engineering Support and Government/Contract Test Support costs.

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):**

**Installation Schedule**

	Pr Yr Totals	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs				747				332				332				332				332	
Outputs				747				332				332				332				332	
		FY 2016				FY 2017				FY 2018				FY 2019				To	Totals		
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete			
Inputs				332														332			2739
Outputs				332														332			2739

**METHOD OF IMPLEMENTATION:** Contractor Field      **ADMINISTRATIVE LEADTIME:** 2 months      **PRODUCTION LEADTIME:** 6 months  
 Retrofit  
 Contract Dates:                      FY 2012 - Nov 11                      FY 2013 - Nov 12                      FY 2014 - Nov 13  
 Delivery Dates:                      FY 2012 - May 12                      FY 2013 - May 13                      FY 2014 - May 14

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE (cont): Block Mod Retrofit [MOD 6] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	FY 2010 and Prior		2011		2012		2013		2014		2015		2016		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>																	
<b>Procurement</b>																		
<b>Installation of Hardware</b>																		
Program Management Support				7.4		3.1		1.4		2.1		2.1		1.0		145.4		162.5
Hardware			747	21.3	332	2.0	332	2.0	332	2.1	332	2.1	332	2.1	332	31.2	2739	62.8
FY 2009 & Prior Equip -- Kits																		
FY 2010 -- Kits																		
FY 2011 Equip -- Kits			747	37.7													747	37.7
FY 2012 Equip -- Kits					332	8.5											332	8.5
FY 2013 Equip -- Kits							332	8.6									332	8.6
FY 2014 Equip -- Kits									332	8.8							332	8.8
FY 2015 Equip - Kits											332	8.9					332	8.9
FY 2016 Equip - Kits													332	9.1			332	9.1
TC Equip- Kits															332	102.4	332	102.4
Total Installment	0	0.0	747	37.7	332	8.5	332	8.6	332	8.8	332	8.9	332	9.1	332	102.4	2739	184.0
Total Procurement Cost		0.0		66.4		13.6		12.0		13.0		13.1		12.2		279.0		409.3

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE: Training Aids, Devices, Simulators and Simulations [MOD 7] 0-00-00-0000

MODELS OF SYSTEM AFFECTED: Stryker Family of Vehicles

**DESCRIPTION / JUSTIFICATION:**

Training Aids, Devices, Simulators, and Simulations (TADSS) - The United States Army Combined Arms Support Command (CASCOM) validated the requirement for the 91S Stryker Vehicle Maintainer Training Course. This validation requires additional training devices to be available at various schools (Aberdeen Proving Grounds and Fort Lee). The training devices required are Diagnostic Troubleshooting Trainers (DTTs), Anti-Tank Guided Missile Vehicle Part Task Trainers (PTTs), Full-Up Power Pack Part Task Trainers (FUPP PTTs), Mortar Carrier Part Task Trainers (MC PTTs), Mobile Gun Systems Hands-on Trainers (HOTs) and Remote Weapon Station (RWS) Hands on Trainers. Program Management Support listed on the P40m, Part B includes Systems Technical Support, Logistics Engineering Support and Government/Contract Test Support costs.

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):**

**Installation Schedule**

	Pr Yr Totals	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Inputs																						
Outputs																						

  

	FY 2016				FY 2017				FY 2018				FY 2019				To Complete	Totals				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
Inputs																						
Outputs																						

**METHOD OF IMPLEMENTATION:**

**ADMINISTRATIVE LEADTIME:**

1 months

**PRODUCTION LEADTIME:** 7 months

Contract Dates:

FY 2012 - Oct 11

FY 2013 - Oct 12

FY 2014 -

Delivery Dates:

FY 2012 - May 12

FY 2013 - May 13

FY 2014 -

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE (cont): Training Aids, Devices, Simulators and Simulations [MOD 7] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	FY 2010 and Prior		2011		2012		2013		2014		2015		2016		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>																	
<b>Procurement</b>																		
<b>Installation of Hardware</b>																		
Program Management Support						4.3		2.3										6.6
Hardware				22	14.4		22	17.9									44	32.3
Engineer Support																		
FY 2010 & Prior Equip -- Kits																		
FY 2011 -- Kits																		
FY 2012 Equip -- Kits																		
FY 2013 Equip -- Kits																		
FY 2014 Equip -- Kits																		
FY 2015 Equip -- Kits																		
FY 2016 Equip -- Kits																		
FY 2017 Equip -- Kits																		
TC Equip- Kits																		
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		0.0		0.0		18.7		20.2		0.0		0.0		0.0		0.0		38.9

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Item Nomenclature FIST VEHICLE (MOD) (GZ2300)
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Program Elements for Code B Items:			Code: A	Other Related Program Elements: 0203735A								
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty												
Gross Cost	964.6	70.1	31.1	44.0		44.0	56.5	78.9				1245.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	964.6	70.1	31.1	44.0		44.0	56.5	78.9				1245.1
Initial Spares												
Total Proc Cost	964.6	70.1	31.1	44.0		44.0	56.5	78.9				1245.1
Flyaway U/C												
Weapon System Proc U/C												

<b>P-40 Breakdown</b>										
Area		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016
Active	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	64087.0	20083.0	31614.0	0.0	31614.0	29526.0	35511.0	0.0	0.0
National Guard	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	6000.0	11000.0	12348.0	0.0	12348.0	27000.0	43400.0	0.0	0.0
Reserve	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	70087	31083	43962	0	43962	56526	78911	0	0

**Description:**  
The Bradley Fire Support Team (BFIST) vehicle replaces the aging M981 Fire Support Vehicle used by the Fire Support Team (FIST) that is in the Combined Arms Battalion. The FIST contributes to success on the battlefield by accurately locating and designating targets and then combining this information to develop and execute fire support plans. The BFIST allows fire support operations to be performed on the battlefield in vehicles with the same signature, survivability, and mobility as the other Bradleys in the maneuver units it supports. The BFIST consists of two variants; M7 BFIST and A3 BFIST.

A3 BFIST: The A3 BFIST integrates a fire support Mission Equipment Package (MEP) with the technology and capability advancements of the baseline A3 Bradley digital architecture. The A3 BFIST requires the integration of four complex and constantly changing major software packages; Forward Observer System (FOS), Force 21 Battle Command Brigade and Below (FBCB2), FIST MEP, and the baseline A3 Bradley vehicle which are managed by four different primary contractor and government organizations. Any modifications needed to the baseline vehicle to integrate the MEP are added as an Engineering Change Proposal (ECP).

M7 BFIST SA: The M7 BFIST integrates a fire support Mission Equipment Package (MEP) onto the baseline Operation Desert Storm (ODS) Bradley vehicle. The M7 BFIST requires the

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date:  February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Item Nomenclature FIST VEHICLE (MOD) (GZ2300)
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Program Elements for Code B Items:	Code: A	Other Related Program Elements: 0203735A
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integration of four complex and constantly changing major software packages; Forward Observer System (FOS), Force 21 Battle Command Brigade and Below (FBCB2), FIST MEP, and the baseline ODS Bradley vehicle which are managed by four different primary contractor and government organizations. Any modifications needed to the baseline vehicle to integrate the MEP are added as an Engineering Change Proposal (ECP).

The ODS Bradley is being upgraded to improve its Situational Awareness (SA). In order to maintain commonality with the baseline Bradley Operation Desert Storm (ODS) SA vehicle, the M7 BFIST is transitioning to the M7 BFIST SA vehicle. The M7 BFIST SA will have the same second generation Forward Looking Infrared (FLIR) capability as ODS-SA. This second generation FLIR will improve the range capability of M7 BFIST SA, although, the second generation FLIR doesn't fully meet the target detect, recognize, and identify requirement as specified in the 3 May 04 Operational Requirements Document (ORD) for Heavy/Light Fire Support Vehicle. Additionally, M7 BFIST SA no longer has the M7 BFIST obsolescence issues because of the A3 like digital architecture of the ODS-SA baseline vehicle.

**Justification:**

FY12 Base procurement dollars in the amount of \$43.962 million will procure 48 FS3 Sensors and integrate 24 FS3 Sensors onto the A3 BFIST to support the Heavy Brigade Combat Team. The A3 BFIST requires the FS3 which is the sensor of choice of the Fire Support community to meet threshold range requirements in detecting, recognizing, and identifying targets and designating under armor as specified in the 3 May 04 Operational Requirements Document (ORD) for Heavy/Light Fire Support Vehicle. The A3 BFIST Fleet will be retrofitted and fielded with the FS3.

IAW Section 1815 of the FY08 NDAA this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles		P-1 Line Item Nomenclature: FIST VEHICLE (MOD) (GZ2300)			Weapon System Type:			Date: February 2011		

WTCV Cost Elements	ID CD	FY 10			FY 11			FY 12 Base			FY 12 OCO			FY 12 Total		
		Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Hardware Cost																
FS3 Integrm on A3 Veh (incl FS3 A Kits)		17639	93	190	6753	35	193	4713	24	196				4713	24	196
Fire Spt Sensor Sys (FS3)		28633	69	415	14775	35	422	17760	48	370				17760	48	370
Government Furnished Equipment (GFE)		3773			1444			3120						3120		
Engineering Contractor / STS (FS3/SA)		8891			2814			10000						10000		
Government Support		3038			3103			4668						4668		
Fielding (FS3/SA/Field Retrofits/MWO's)		2313			1409			2709						2709		
Test & Evaluation (FS3/SA/Crew II/CVRJ)		4037			785			992						992		
100 Blue Force Tracking A Kits		1763														
<b>Total:</b>		<b>70087</b>			<b>31083</b>			<b>43962</b>						<b>43962</b>		

<b>Exhibit P-5a, Budget Procurement History and Planning</b>	Date: February 2011
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Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles	Weapon System Type:	P-1 Line Item Nomenclature: FIST VEHICLE (MOD) (GZ2300)
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WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>A3 Vehicle Production</b>										
FY 2008	BAE York, PA	SS / FP	USATACOM, Warren, MI	May 08	Mar 10	54	2128	yes		
<b>Fire Spt Sensor Sys (FS3)</b>										
FY 2010	Raytheon Corp McKinney, TX	SS / FP	USATACOM, Warren, MI	Mar 10	May 11	69	415	yes		
FY 2011	Raytheon Corp McKinney, TX	SS / FP	USATACOM, Warren, MI	Feb 11	Apr 12	35	422	yes		
FY 2012	Raytheon Corp McKinney, TX	SS / FP	USATACOM, Warren, MI	Mar 12	May 13	48	370	yes		

REMARKS:







<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Item Nomenclature BRADLEY PROGRAM (MOD) (GZ2400)
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Program Elements for Code B Items:			Code: A	Other Related Program Elements: 0203735.371 and 0203735.DS5								
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty												
Gross Cost	3084.8	768.3	215.1	250.7		250.7	24.9	533.1	850.3	1114.1	122.8	6964.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	3084.8	768.3	215.1	250.7		250.7	24.9	533.1	850.3	1114.1	122.8	6964.1
Initial Spares												
Total Proc Cost	3084.8	768.3	215.1	250.7		250.7	24.9	533.1	850.3	1114.1	122.8	6964.1
Flyaway U/C												
Weapon System Proc U/C												

P-40 Breakdown										
Area		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016
Active	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	585814.0	0.0	41995.0	0.0	41995.0	15627.0	523289.0	840486.0	1104191.0
National Guard	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	182518.0	215133.0	208715.0	0.0	208715.0	9281.0	9829.0	9765.0	9916.0
Reserve	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	768332	215133	250710	0	250710	24908	533118	850251	1114107

**Description:**  
Bradley Program (MOD) procures Operation Desert Storm (ODS) vehicle upgrades to improve its Situational Awareness (SA). Upgrades include the Second Generation (GEN) Forward Looking Infrared (FLIR) capability which provides target detection and identification at weapon maximum effective range and achieves commonality with the M1A1 Abrams Integrated Management (AIM) tank.

**Justification:**  
FY12 Base procurement dollars in the amount of \$250.710 million procures ODS-SA kits for three separate Combat Arms Battalions of the Army National Guard and also supports ODS-SA Fieldings, Program/Engineering Support for kit production.

IAW Section 1815 of the FY08 NDAA this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

Exhibit P-40M, Budget Item Justification Sheet							Date: February 2011				
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles				P-1 Item Nomenclature BRADLEY PROGRAM (MOD) (GZ2400)							
Appropriation / Budget Activity / Serial No:				P-1 Item Nomenclature							
Program Elements for Code B Items:						Code: A	Other Related Program Elements: 0203735.371 and 0203735.DS5				
Description		Fiscal Years									
OSIP No.	Classification	2010 & PR	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	TC	Total	
Training Devices											
0-00-00-0000		25.7	15.6	0.0	0.0	0.0	0.0	0.0	0.0	41.3	
Bradley Reactive Armor											
1-84-05-4038	Operational	765.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	765.1	
BFVS High Priority Improvements											
1-98-05-4550	Operational	1159.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1159.9	
Prior Year Closed Mods											
0-00-00-0000		1092.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1092.5	
ODS Situational Awareness											
2-07-05-0017	Operational	761.0	159.5	238.5	14.0	14.0	0.0	0.0	0.0	1187.0	
Program/Engineering Support											
0-00-00-0000		48.9	18.0	12.2	10.9	9.1	12.0	12.0	44.2	167.3	
Field Upgrades											
0-00-00-0000		0.0	22.0	0.0	0.0	120.0	233.5	496.9	78.6	951.0	
Armored Multi Purpose Vehicle (AMPV)											
0-00-00-000		0.0	0.0	0.0	0.0	390.0	604.8	605.2	0.0	1600.0	
Totals		3853.1	215.1	250.7	24.9	533.1	850.3	1114.1	122.8	6964.1	

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE: ODS Situational Awareness [MOD 5] 2-07-05-0017

MODELS OF SYSTEM AFFECTED: M2/M3 ODS

**DESCRIPTION / JUSTIFICATION:**

The Bradley ODS Situational Awareness (SA) is an upgrade to the Bradley A2 ODS vehicle; the A2 Integrated Sight Unit (ISU) and a 1st Gen Forward Looking Infrared (FLIR) is replaced with the Improved Bradley Acquisition System (IBAS), a 2nd GEN FLIR. This replacement improves the commander's and gunner's surveillance capability (detection and recognition range), while maintaining the Bradley A2 ODS's lethality, survivability, sustainability and eliminates obsolescence.

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):**

**Installation Schedule**

	Pr Yr Totals	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs	51	25	25	62	62	62	61	15	15	14	14	27	27	27	27						
Outputs	26	25	25	25	62	62	62	61	15	15	14	14	27	27	27	27					

  

	FY 2016				FY 2017				FY 2018				FY 2019				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		514
Outputs																		514

**METHOD OF IMPLEMENTATION:**

**ADMINISTRATIVE LEADTIME:**

0 months

**PRODUCTION LEADTIME:**

0 months

Contract Dates:

FY 2012 -

FY 2013 -

FY 2014 -

Delivery Dates:

FY 2012 -

FY 2013 -

FY 2014 -

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE (cont): ODS Situational Awareness [MOD 5] 2-07-05-0017

FINANCIAL PLAN: (\$ in Millions)

	FY 2010 and Prior		2011		2012		2013		2014		2015		2016		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>Procurement</b>																	
<b>Installation of Hardware</b>																		
ODS Situational Awareness	348	761.0	58	159.5	108	216.0											514	1136.5
Fielding Activities/NET						22.5		14.0		14.0								50.5
FY 2009 & Prior Equip -- Kits	26		75														101	
FY 2010 -- Kits			62		185												247	
FY 2011 Equip -- Kits					15		43										58	
FY 2012 Equip -- Kits							27		81								108	
FY 2013 Equip -- Kits																		
FY 2014 Equip -- Kits																		
FY 2015 Equip -- Kits																		
FY 2016 Equip -- Kits																		
TC Equip- Kits																		
Total Installment	26	0.0	137	0.0	200	0.0	70	0.0	81	0.0	0	0.0	0	0.0	0	0.0	514	0.0
Total Procurement Cost		761.0		159.5		238.5		14.0		14.0		0.0		0.0		0.0		1187.0

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE: Program/Engineering Support [MOD 6] 0-00-00-0000

MODELS OF SYSTEM AFFECTED:

DESCRIPTION / JUSTIFICATION:

Program/Engineering Support includes both Government & contractor program management support to oversee program planning & execution activities. Also includes US Government (TACOM & other USG sites) & contractor engineering to support completion of kit production, mitigate Line Item Replaceable Unit (LRU) electronics obsolescence & associated software updates, software updates to interface with interoperable system updates (i.e. FBCB2), execute reliability improvements and fleet safety mods based on field problems and configuration management to ensure synchronization of Technical Data Packages/Technical Manuals (TDPs/TMs) with fleet configuration.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Installation Schedule

Pr Yr Totals	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																				
Outputs																				

  

FY 2016				FY 2017				FY 2018				FY 2019				To Complete	Totals	
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
Inputs																		
Outputs																		

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME:

0 months

PRODUCTION LEADTIME: 0 months

Contract Dates:

FY 2012 -

FY 2013 -

FY 2014 -

Delivery Dates:

FY 2012 -

FY 2013 -

FY 2014 -

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE (cont): Program/Engineering Support [MOD 6] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	FY 2010 and Prior		2011		2012		2013		2014		2015		2016		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>																	
<b>Procurement</b>																		
<b>Installation of Hardware</b>																		
Kit Quantity																		
Installation Kits																		
Installation Kits, Nonrecurring																		
Equipment																		
Equipment, Nonrecurring																		
Engineering Change Orders																		
Data																		
Training Equipment																		
Support		48.9		18.0		12.2		10.9		9.1		12.0		12.0		44.2		167.3
Other																		
Interim Contractor Support																		
FY 2009 & Prior Equip -- Kits																		
FY 2010 -- Kits																		
FY 2011 Equip -- Kits																		
FY 2012 Equip -- Kits																		
FY 2013 Equip -- Kits																		
FY 2014 Equip -- Kits																		
FY 2015 Equip -- Kits																		
FY 2016 Equip -- Kits																		
TC Equip- Kits																		
<b>Total Installment</b>	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>Total Procurement Cost</b>		48.9		18.0		12.2		10.9		9.1		12.0		12.0		44.2		167.3

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Item Nomenclature HOWITZER, MED SP FT 155MM M109A6 (MOD) (GA0400)
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Program Elements for Code B Items: 0604854A.016	Code: B	Other Related Program Elements:										
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty			18				18	18	18	18	350	440
Gross Cost	1788.9	42.6	105.3	46.9		46.9	173.4	222.8	247.2	291.2	3566.7	6484.9
Less PY Adv Proc	16.3											16.3
Plus CY Adv Proc	16.3											16.3
Net Proc P1	1788.9	42.6	105.3	46.9		46.9	173.4	222.8	247.2	291.2	3566.7	6484.9
Initial Spares												
Total Proc Cost	1788.9	42.6	105.3	46.9		46.9	173.4	222.8	247.2	291.2	3566.7	6484.9
Flyaway U/C												
Weapon System Proc U/C							9.6	12.4	13.7	16.2		14.7

<b>P-40 Breakdown</b>										
Area		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016
Active	Qty	0	14	0	0	0	18	18	18	18
	Gross Cost	31350.0	82827.0	46876.0	0.0	46876.0	173366.0	222814.0	247202.0	291164.0
National Guard	Qty	0	4	0	0	0	0	0	0	0
	Gross Cost	11258.0	22450.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reserve	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	Qty	0	18	0	0	0	18	18	18	18
	Gross Cost	42608	105277	46876	0	46876	173366	222814	247202	291164

**Description:**  
The funding profile, prior to FY2013, selected Paladin/Field Artillery Ammunition Support Vehicle (FAASV) modification such as the Modular Artillery Charge System (MACS) Storage and Handling to provide accessibility, noise reduction, positive restraint, and accommodation for future longer projectiles such as Excalibur. It also includes the Paladin Digital Fire Control System (PDFCS) solution to obsolescence, reliability, and soldier burden as well as provide for integration of Excalibur.  
For FY2013 and beyond, the Paladin/FAASV Integrated Management (PIM) process will provide for the procurement of the approved obsolescence and sustainment modifications to the 155MM Self-Propelled Howitzer and FAASV. These will include leveraging Bradley common components, integrating the engine, transmission, final drives, and suspension. It will also replace obsolete components such as the Dynamic Reference Unit-Hybrid (DRU-H), hydraulics and fatigued hull structures. Quantities associated with the fiscal year budgets are planned PIM vehicle sets (Howitzer and FAASV) for procurement.

**Justification:**  
FY12 Base Procurement dollars in the amount of \$46.876 million will procure Training Devices, Microclimatic Conditioning Systems (MCS), Stowage Improvements, and Auxiliary Power Unit

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date:
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February 2011

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Item Nomenclature HOWITZER, MED SP FT 155MM M109A6 (MOD) (GA0400)
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Program Elements for Code B Items: 0604854A.016	Code: B	Other Related Program Elements:
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(APU) Storage Containers to provide accessibility, noise reduction, positive restraint, and accommodation for future longer projectiles such as Excalibur.

IAW Section 1815 of the FY08 NDAA this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles		P-1 Line Item Nomenclature: HOWITZER, MED SP FT 155MM M109A6 (MOD) (GA0400)			Weapon System Type:			Date: February 2011		

WTCV Cost Elements	ID CD	FY 10			FY 11			FY 12 Base			FY 12 OCO			FY 12 Total		
		Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
PIM Manufacturing (Incl ANAD)	B				58203	18	3234									
PIM GFE					9265											
PIM Non-Mfg Recur Prod (Tooling/Equip)																
PIM System Engineering/Mgmt - Gov					6472											
PIM System Technical Support - Contr					11317											
PIM System Test and Evaluation - Gov					11383											
PIM Other Procure - Gov (Software Maint)																
PIM Training					3551											
PIM Fielding																
Paladin Training Devices								6100						6100		
Paladin Microclimatic Conditioning Sys								8700						8700		
Paladin/FAASV Stowage Improvements								15000						15000		
Paladin APU Storage Container								1022						1022		
Paladin System Engineering/Mgmt -Gov		4988														
Paladin System Technical Support - Contr								5000						5000		
Paladin Program Office								3500						3500		
Paladin TADSS																
Paladin CREW II (A-Kits)																
Cupola Bearings (1800)		27000														
Chief of Section Protection Kits		10620			5086			7554						7554		
<b>Total:</b>		<b>42608</b>			<b>105277</b>			<b>46876</b>						<b>46876</b>		

<b>Exhibit P-5a, Budget Procurement History and Planning</b>	Date: February 2011
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Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles	Weapon System Type:	P-1 Line Item Nomenclature: HOWITZER, MED SP FT 155MM M109A6 (MOD) (GA0400)
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WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>PIM Manufacturing (Incl ANAD)</b> FY 2011	BAE Systems York, PA/Elgin, OK	SS / FFP	TACOM, Warren, MI	Jan 11	Jan 12	18	3234			

REMARKS:

**FY 11 / 12 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
HOWITZER, MED SP FT 155MM M109A6 (MOD) (GA0400)

Date:  
February 2011

COST ELEMENTS					Fiscal Year 11													Fiscal Year 12													Later	
MFR	FY	SERV	PROC QTY x1000	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11													Calendar Year 12													
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
PIM Manufacturing (Incl ANAD)																																
1	FY 11	A	14	14																								0				
1	FY 11	NG	4	4																								0				
1	FY 11	TOT	18	0	18				A																4	4	4	4	2	0		
Total					18																				4	4	4	4	2			
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	BAE Systems, York, PA/Elgin, OK	12	120	240		1	Initial	0	4	12	16	
							Reorder	0	9	24	33	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Item Nomenclature IMPROVED RECOVERY VEHICLE (M88A2 HERCULES) (GA0570)
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Program Elements for Code B Items:			Code: A	Other Related Program Elements:								
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty	563	27	17									607
Gross Cost	1488.2	105.2	69.6	10.5		10.5						1673.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	1488.2	105.2	69.6	10.5		10.5						1673.5
Initial Spares												
Total Proc Cost	1488.2	105.2	69.6	10.5		10.5						1673.5
Flyaway U/C												
Weapon System Proc U/C	3.0	3.9	4.1									2.8

P-40 Breakdown										
Area		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016
Active	Qty	26	0	0	0	0	0	0	0	0
	Gross Cost	82407.0	0.0	10452.0	0.0	10452.0	0.0	0.0	0.0	0.0
National Guard	Qty	1	17	0	0	0	0	0	0	0
	Gross Cost	9608.0	69609.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reserve	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	13200.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	Qty	27	17	0	0	0	0	0	0	0
	Gross Cost	105215	69609	10452	0	10452	0	0	0	0

**Description:**  
The M88A2 Heavy Equipment Recovery Combat Utility Lift and Evacuation System (HERCULES) is a 70 ton armored, full tracked, diesel powered recovery vehicle based on the M88A1 chassis. The hull is armored for protection against small arms fire, artillery fragments, and anti-personnel mines. The vehicle mounts a 50 caliber machine gun for self-protection. It is configured with three winches, improved spade, and improved A-frame boom which enable the vehicle to have a 35 ton lift capability and a 70 ton constant pull capability. The M88A2 HERCULES is the only recovery vehicle capable of single vehicle recovery and evacuation, of the Abrams main battle tank.

**Justification:**  
FY12 Base procurement dollars in the amount of \$10.452 million provide program management support for the vehicle production. The fielded M88A1 Medium Recovery Vehicle lacks the necessary power, weight, and braking ability to safely support the recovery of the Abrams fleet by itself. Improvements in the M88A2 HERCULES fix these operational shortcomings. The increased winching and lifting capability accommodates all Abrams variants including the M1A2 System Enhancement Program (SEP) tank. Without this increased capability, units must use two M88A1 Medium Recovery Vehicles to perform the necessary spectrum of recovery operations.

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Item Nomenclature IMPROVED RECOVERY VEHICLE (M88A2 HERCULES) (GA0570)
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Program Elements for Code B Items:	Code: A	Other Related Program Elements:
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IAW Section 1815 of the FY08 NDAA this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles		P-1 Line Item Nomenclature: IMPROVED RECOVERY VEHICLE (M88A2 HERCULES) (GA0570)			Weapon System Type:			Date: February 2011		

WTCV Cost Elements	ID CD	FY 10			FY 11			FY 12 Base			FY 12 OCO			FY 12 Total		
		Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Vehicle Manufacturing - Contractor	A	63466	27	2351	40791	17	2399									
Vehicle Manufacturing - GFE		3738			1521											
Contractor Engineering		16148			17640			4000						4000		
Program Management - Core & OGA		13316			3552			3452						3452		
Transportation		630			358											
Fielding (TPF & NET)		2157			2276											
Testing		2200			2105			3000						3000		
Depot Maintenance - Premodification		3560			1366											
<b>Total:</b>		<b>105215</b>		<b>3897</b>	<b>69609</b>		<b>4095</b>	<b>10452</b>						<b>10452</b>		



COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												Later
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
Vehicle Manufacturing - Contractor																														
1	FY 09	TOT	91	0	91						9	9	8	8	8	7	7	7	7	7	7	7	7					0		
1	FY 10	TOT	27	0	27				A												2	2	2	2	2	2	2	2	9	
1	FY 11	TOT	17	0	17																		A					17		
					135						9	9	8	8	8	7	7	7	7	7	9	9	2	2	2	2	2	2	26	
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	BAE Systems, York PA	12	72	144	2	1	Initial	0	4	12	16	No production break will occur in Jan-Feb 12 due to USMC production.
							Reorder	0	6	12	18	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

COST ELEMENTS						Fiscal Year 12												Fiscal Year 13												Later
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12												Calendar Year 13												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Vehicle Manufacturing - Contractor																																					
1	FY 09	TOT	91	91																																	0
1	FY 10	TOT	27	18	9	3	3	3																													0
1	FY 11	TOT	17	0	17					2	2	2	2	2	1	1	1	1	1	1	1	1	1													0	
Total																																					
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP									

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	BAE Systems, York PA	12	72	144	2	1	Initial	0	4	12	16	No production break will occur in Jan-Feb 12 due to USMC production.
							Reorder	0	6	12	18	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Item Nomenclature ASSAULT BREACHER VEHICLE (G82925)
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Program Elements for Code B Items:	Code:		Other Related Program Elements:									
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty	20	13	17	19		19	18	18	24	18		147
Gross Cost	81.2	63.1	77.9	99.9		99.9	100.4	126.0	118.5	103.4		770.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	81.2	63.1	77.9	99.9		99.9	100.4	126.0	118.5	103.4		770.4
Initial Spares												
Total Proc Cost	81.2	63.1	77.9	99.9		99.9	100.4	126.0	118.5	103.4		770.4
Flyaway U/C												
Weapon System Proc U/C		4.9		5.3		5.3	5.6	7.0	4.9	5.7		5.2

P-40 Breakdown										
Area		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016
Active	Qty	13	12	14	0	14	15	16	20	5
	Gross Cost	27195.0	53060.0	68363.0	0.0	68363.0	67200.0	93124.0	69982.0	25782.0
National Guard	Qty	0	5	5	0	5	3	2	4	13
	Gross Cost	35860.0	24870.0	31541.0	0.0	31541.0	33222.0	32896.0	48566.0	77574.0
Reserve	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	Qty	13	17	19	0	19	18	18	24	18
	Gross Cost	63055	77930	99904	0	99904	100422	126020	118548	103356

**Description:**  
The Assault Breacher Vehicle (ABV) is a joint program with the United States Marine Corps (lead service). It is a tracked combat engineer vehicle for the Marine Air Ground Task Force & Army Heavy Brigade Combat Team (HBCT). The ABV will be assigned to engineer companies in HBCTs. The ABV will provide crew protection and vehicle survivability while having the speed and mobility to keep pace with the maneuver force. Major components of this system include a removable Full-Width Mine Plow (FWMP), Combat Dozer Blade (CDB), two linear demolition charges (LDC), a lane-marking system, and weapon station integration on a modified M1A1 tank hull.

Army Acquisition Objective (AAO) ABV: 171

**Justification:**  
FY 2012 Base procurement dollars in the amount of \$99.904 million supports Active Army and National Guard requirements. The Army currently does not have the capabilities provided by the ABV. The ABV provides the Army and the Marine Corps a tracked armored capability to breach minefields, complex obstacles, providing in-stride breaching and lane marking capability in

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date:
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February 2011

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Item Nomenclature ASSAULT BREACHER VEHICLE (G82925)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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HBCTs.

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Line Item Nomenclature: ASSAULT BREACHER VEHICLE (G82925)	Weapon System Type:	Date: February 2011
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WTCV Cost Elements	ID CD	FY 10			FY 11			FY 12 Base			FY 12 OCO			FY 12 Total		
		Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Hardware		53300	13	4100	69700	17	4100	82560	19	4350				82560	19	4350
System Fielding Support		4055		4055	3539		3539	6844		6844				6844		6844
Program Support		1300		1300	1141		1141	2500		2500				2500		2500
Matrix Support		1400		1400	1250		1250	3000		3000				3000		3000
Logistics Products		2500		2500	2000		2000	3500		3500				3500		3500
ECP's		500		500	300		300	1500		1500				1500		1500
<b>Total:</b>		<b>63055</b>			<b>77930</b>			<b>99904</b>						<b>99904</b>		

# Exhibit P-5a, Budget Procurement History and Planning

Date:  
February 2011

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: ASSAULT BREACHER VEHICLE (G82925)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Hardware</b>										
FY 2010	Anniston Army Depot Anniston, AL	MIPR	TACOM, Warren, MI	Feb 10	Feb 11	13	4100	N/A	N/A	N/A
FY 2011	Anniston Army Depot Anniston, AL	MIPR	TACOM, Warren, MI	Jan 11	Jan 12	17	4100	N/A	N/A	N/A
FY 2012	Anniston Army Depot Anniston, AL	MIPR	TACOM, Warren, MI	Jan 12	Jan 13	19	4350	N/A	N/A	N/A

REMARKS:

**FY 11 / 12 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
ASSAULT BREACHER VEHICLE (G82925)

Date:  
February 2011

COST ELEMENTS						Fiscal Year 11												Fiscal Year 12												Later				
MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11												Calendar Year 12																
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					
Hardware																																		
1	FY 10	TOT	13	0	13					2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0						
1	FY 11	A	12	12																								0						
1	FY 11	NG	5	5																								0						
1	FY 11	TOT	17	0	17				A															1	1	1	1	1	1	1	1	2	2	6
1	FY 12	A	14	14																									0					
1	FY 12	NG	5	5																									0					
1	FY 12	TOT	19	0	19																				A								19	
Total					49					2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	2	25
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Anniston Army Depot, Anniston, AL	1	12	36		1	Initial	0	5	12	17	
							Reorder	0	4	12	16	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

**FY 13 / 14 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
ASSAULT BREACHER VEHICLE (G82925)

Date:  
February 2011

COST ELEMENTS						Fiscal Year 13												Fiscal Year 14												Later
MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 13												Calendar Year 14												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
Hardware																														
1	FY 10	TOT	13	13																								0		
1	FY 11	A	12	12																								0		
1	FY 11	NG	5	5																								0		
1	FY 11	TOT	17	11	6	2	2	2																				0		
1	FY 12	A	14	14																								0		
1	FY 12	NG	5	5																								0		
1	FY 12	TOT	19	0	19				2	2	2	2	2	2	2	1	1	1	1	1								0		
Total					25	2	2	2	2	2	2	2	2	2	1	1	1	1	1											
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Anniston Army Depot, Anniston, AL	1	12	36		1	Initial	0	5	12	17	
							Reorder	0	4	12	16	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Item Nomenclature M88 FOV MODS (G80571)
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Program Elements for Code B Items:			Code:		Other Related Program Elements:							
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty												
Gross Cost			9.2	32.5		32.5	36.5	43.0	36.5			157.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1			9.2	32.5		32.5	36.5	43.0	36.5			157.6
Initial Spares												
Total Proc Cost			9.2	32.5		32.5	36.5	43.0	36.5			157.6
Flyaway U/C												
Weapon System Proc U/C												

P-40 Breakdown										
Area		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016
Active	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	0.0	9157.0	22483.0	0.0	22483.0	14923.0	43034.0	36483.0	0.0
National Guard	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	0.0	0.0	10000.0	0.0	10000.0	15550.0	0.0	0.0	0.0
Reserve	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	0.0	0.0	0.0	0.0	0.0	5984.0	0.0	0.0	0.0
Total	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	0	9157	32483	0	32483	36457	43034	36483	0

**Description:**  
The M88 Fleet Modification Program applies Materiel Developer and Combat Developer approved modifications to the fielded M88 family of vehicles. These improvements include the Mounted Soldier System (MSS) and the M88 FOV modifications to maintain operational readiness rates, improve vehicle safety and operation, and minimize the effects of component obsolescence. Operational Modification Kits will be procured for the M88 FOV. Specific modifications include an automatic fire extinguishing system, upgraded electrical circuit panel, improved operational and task lighting, a driver's vision enhancer for optimal night operation, crew cooling kit provisions to allow for installation of a crew cooling system in hot operating environments, enhanced vehicle diagnostics tied to the vehicle's interactive electronic technical manuals, and an improved metal cutting tool to reduce recovery time in combat situations.

**Justification:**  
FY12 Base procurement dollars of \$32.483 million supports the procurement of 135 Operational Modification Kits. Modifications such as enhanced diagnostics will reduce repair time and maintenance costs, driver's vision enhancer and Light Emitting Diode (LED) lighting will improve vehicle safety, and the automatic fire extinguishing system will improve vehicle and crew survivability.

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date:
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February 2011

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Item Nomenclature M88 FOV MODS (G80571)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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IAW Section 1815 of the FY08 NDAA this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

<b>Exhibit P-40M, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Item Nomenclature M88 FOV MODS (G80571)
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Appropriation / Budget Activity / Serial No:	P-1 Item Nomenclature
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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Description		Fiscal Years								
OSIP No.	Classification	2010 & PR	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	TC	Total
M88 FOV Field Upgrades										
0-00-00-0000		0.0	9.2	32.5	36.5	43.0	36.5	0.0	0.0	157.7
Totals		0.0	9.2	32.5	36.5	43.0	36.5	0.0	0.0	157.7

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE: M88 FOV Field Upgrades [MOD 1] 0-00-00-0000

MODELS OF SYSTEM AFFECTED: M88A1 and M88A2

**DESCRIPTION / JUSTIFICATION:**

Provides funding for components and labor for operational modifications in support of the M88 Family of Vehicles. These modifications correct or alleviate operational deficiencies, improve reliability and maintainability, reduce logistical support requirements, standardize equipment and training, and prevent injury or damage to equipment. Field installation costs are included in the contractor cost and cannot be separated.

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):**

**Installation Schedule**

Pr Yr Totals	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs					4	8	8	9	15	40	40	40	25	33	33	33	32	42	43	43
Outputs					4	8	8	9	15	40	40	40	25	33	33	33	32	42	43	43

  

	FY 2016				FY 2017				FY 2018				FY 2019				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs	32	40	40	40													1037	1637
Outputs	32	40	40	40													1037	1637

**METHOD OF IMPLEMENTATION:** Field Mod      **ADMINISTRATIVE LEADTIME:** 6 months      **PRODUCTION LEADTIME:** 8 months  
**Contract Dates:** FY 2012 - Mar 2012      FY 2013 - Mar 2013      FY 2014 - Mar 2014  
**Delivery Dates:** FY 2012 - Nov 2012      FY 2013 - Nov 2013      FY 2014 - Nov 2014

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE (cont): M88 FOV Field Upgrades [MOD 1] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	FY 2010 and Prior		2011		2012		2013		2014		2015		2016		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>Procurement</b>																	
M88 FOV Mod Kit			29	3.6	135	19.4	124	17.8	160	23.0	152	21.8					600	85.6
Engine Mod																		
Testing				5.6			4	6.5	4	4.5							8	16.6
Mounted Soldier					135	11.5	124	10.6	160	13.8	152	13.0					571	48.9
Program Mgt						1.6		1.6		1.7		1.7						6.6
Installation of Hardware																		
FY 2009 & Prior Equip -- Kits																		
FY 2010 -- Kits																		
FY 2011 Equip -- Kits					29													29
FY 2012 Equip -- Kits							135											135
FY 2013 Equip -- Kits									124									124
FY 2014 Equip -- Kits											160							160
FY 2015 Equip -- Kits													152					152
FY 2016 Equip -- Kits																		
TC Equip- Kits																1037		1037
Total Installment	0	0.0	0	0.0	29	0.0	135	0.0	124	0.0	160	0.0	152	0.0	1037	0.0	1637	0.0
Total Procurement Cost		0.0		9.2		32.5		36.5		43.0		36.5		0.0		0.0		157.7

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2011

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles  
 P-1 Item Nomenclature: JOINT ASSAULT BRIDGE (GZ3001)

Program Elements for Code B Items:			Code:		Other Related Program Elements:							
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty			9					10	20	28		67
Gross Cost	20.3	1.5	44.1					46.2	79.8	111.7		303.7
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	20.3	1.5	44.1					46.2	79.8	111.7		303.7
Initial Spares												
Total Proc Cost	20.3	1.5	44.1					46.2	79.8	111.7		303.7
Flyaway U/C												
Weapon System Proc U/C								4.6	4.0	4.0		4.5

**P-40 Breakdown**

Area		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016
Active	Qty	0	3	0	0	0	0	2	6	14
	Gross Cost	1500.0	15788.0	0.0	0.0	0.0	0.0	10330.0	26038.0	55880.0
National Guard	Qty	0	5	0	0	0	0	4	10	7
	Gross Cost	0.0	21911.0	0.0	0.0	0.0	0.0	17887.0	35853.0	27903.0
Reserve	Qty	0	1	0	0	0	0	4	4	7
	Gross Cost	0.0	6434.0	0.0	0.0	0.0	0.0	17962.0	17949.0	27903.0
Total	Qty	0	9	0	0	0	0	10	20	28
	Gross Cost	1500	44133	0	0	0	0	46179	79840	111686

**Description:**  
 The Joint Assault Bridge (JAB) replaces the existing M48/M60 chassis of the Armored Vehicle Launch Bridge (AVLB) to launch and recover the AVLB sixty (60) foot scissor bridge. The JAB consists of a modified M1A1 Abrams tank hull integrated with a Hydraulic Bridge Launcher (HBL) system. The M1A1 hull provides a supportable, survivable, system capable of keeping pace on the battlefield with the forces it supports.

JAB AAO: 168

**Justification:**  
 FY12 has no funding.

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles		P-1 Line Item Nomenclature: JOINT ASSAULT BRIDGE (GZ3001)			Weapon System Type:			Date: February 2011		

WTCV Cost Elements	ID CD	FY 10			FY 11			FY 12 Base			FY 12 OCO			FY 12 Total		
		Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Hardware					35608	9	3956									
Fielding Support					2600											
Logistics Products					350											
Matrix Support		750			1000											
Program Support		750			975											
Transportation																
ECPs					750											
Simulators																
Bridge Upgrades					2850											
<b>Total:</b>		<b>1500</b>			<b>44133</b>											

<b>Exhibit P-5a, Budget Procurement History and Planning</b>	Date: February 2011
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Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles	Weapon System Type:	P-1 Line Item Nomenclature: JOINT ASSAULT BRIDGE (GZ3001)
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WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Hardware</b> FY 2011	Anniston Army Depot Anniston, AL	MIPR	TACOM, Warren, MI	Jan 11	Jan 12	9	3956	N/A	N/A	N/A

REMARKS:



<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Item Nomenclature M1 ABRAMS TANK (MOD) (GA0700)
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Program Elements for Code B Items:			Code: A		Other Related Program Elements: 0203735.330							
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty												
Gross Cost	4397.2	174.6	230.9	160.6		160.6	164.2	104.6	104.1	103.0	1993.9	7433.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	4397.2	174.6	230.9	160.6		160.6	164.2	104.6	104.1	103.0	1993.9	7433.1
Initial Spares												
Total Proc Cost	4397.2	174.6	230.9	160.6		160.6	164.2	104.6	104.1	103.0	1993.9	7433.1
Flyaway U/C												
Weapon System Proc U/C												

<b>P-40 Breakdown</b>										
Area		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016
Active	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	103800.0	56907.0	160578.0	0.0	160578.0	164200.0	104631.0	104068.0	103014.0
National Guard	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	70762.0	174000.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reserve	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	174562	230907	160578	0	160578	164200	104631	104068	103014

**Description:**  
The Abrams Tank Fleet Modification Program applies Materiel Developer and Combat Developer approved modifications to the fielded Abrams family of vehicles. Common Abrams modifications include Thermal Management System Upgrade, Vehicle Health Management, Power Train Improvement & Integration Optimization Program (i.e. Total Integrated Engine Revitalization (TIGER) and Transmission Enterprise) which provide more reliability, durability and a single standard for the vehicle's power train. Survivability improvements include Frontal Armor upgrades. Key safety improvements include the loaders tray modification, ammunition rack upgrades, Autoflug weldments, Counter Sniper Anti-Material Mount (CSAAM) weldments, headrest brackets, and Rear View Sensing System (RVSS).

**Justification:**  
FY12 base procurement dollars in the amount of \$160.578 million supports the continued to maintain the armor facility at a sustainable level and minimizes the loss of skilled labor. It also supports the field application of Blue Force Tracking relocation, Ammo Rack Installation Kits, Commander's Remote Operating Weapon System (CROWS) II A Kit with Universal Display Interface Module (UDIM), and Mounted Soldier System. Provides funding for Embedded Diagnostics System Technical Support, Training Aids, Devices, Simulators and Simulations (TADSS) in support of the

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date:
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February 2011

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Item Nomenclature M1 ABRAMS TANK (MOD) (GA0700)
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Program Elements for Code B Items:	Code: A	Other Related Program Elements: 0203735.330
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Abrams family of vehicles, and continued support of the Total Integrated Engine Revitalization (TIGER) and Transmission Enterprise programs which provide more reliability, durability and a single standard for the vehicle's power train.

IAW Section 1815 of the FY08 NDAA this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

Exhibit P-40M, Budget Item Justification Sheet							Date: February 2011				
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles				P-1 Item Nomenclature M1 ABRAMS TANK (MOD) (GA0700)							
Appropriation / Budget Activity / Serial No:				P-1 Item Nomenclature							
Program Elements for Code B Items:						Code: A		Other Related Program Elements: 0203735.330			
Description		Fiscal Years									
OSIP No.	Classification	2010 & PR	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	TC	Total	
Prior Year Closed Mod's											
0-00-00-0000		859.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	859.6	
Industrial Base											
0-00-00-0000	Operational	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Abrams Field Upgrades											
1-97-05-4534	Operational	283.4	36.0	60.7	43.8	4.6	2.3	0.0	900.0	1330.8	
M1A1 Situational Awareness (SA)											
2-04-05-0009	Operational	487.5	120.7	0.0	0.0	0.0	0.0	0.0	0.0	608.2	
Other Operational Enhancements											
2-04-05-0011	Operational	192.1	7.2	0.0	0.0	0.0	0.0	0.0	1000.0	1199.3	
Armor											
1-99-05-4555	Operational	526.8	56.6	39.7	80.4	79.9	81.7	82.9	93.9	1041.9	
Engineering Support											
0-00-00-0000	Operational	54.9	2.4	8.5	13.4	20.1	20.1	20.1	0.0	139.5	
Situational Awareness/Tank Urban Survivability Kit											
2-04-05-0012	Operational	1211.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1211.6	
Power Pack Improvement & Integration Optimization											
2-04-05-0008	Operational	930.3	8.0	29.4	26.6	0.0	0.0	0.0	0.0	994.3	
Training Devices											
0-00-00-0000		25.6	0.0	22.3	0.0	0.0	0.0	0.0	0.0	47.9	
Totals		4571.8	230.9	160.6	164.2	104.6	104.1	103.0	1993.9	7433.1	

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE: Abrams Field Upgrades [MOD 3] 1-97-05-4534

MODELS OF SYSTEM AFFECTED: M1A1 and M1A2 series

**DESCRIPTION / JUSTIFICATION:**

Provides funding for components and labor for required safety and other field related modifications in support of the Abrams family of vehicles. These modifications correct or alleviate operational deficiencies, improve reliability and maintainability, correct faulty performance or quality, reduce logistical support requirements, standardize equipment and training devices, prevent injury or damage to equipment, and meet environmental protection standards identified during testing, training exercises or in combat. Field modifications include Blue Force Tracking relocation (400), Ammo Rack Installation Kits (200), Commander's Remote Operating Weapon System (CROWS) II A Kit with Universal Display Interface Module (UDIM) (250), Mounted Soldier System (1000). Upgrades will be applied as needed for the duration of Abrams fieldings. Field installation costs are included in the contractor costs.

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):**

**Installation Schedule**

	Pr Yr Totals	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Inputs																						
Outputs																						

  

	FY 2016				FY 2017				FY 2018				FY 2019				To Complete	Totals				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
Inputs																						
Outputs																						

**METHOD OF IMPLEMENTATION:** Contractor Teams      **ADMINISTRATIVE LEADTIME:** 4 months      **PRODUCTION LEADTIME:** 0 months  
**Contract Dates:** FY 2012 - Jan 12      FY 2013 - Jan 13      FY 2014 - Jan 14  
**Delivery Dates:** FY 2012 - Varies      FY 2013 - Varies      FY 2014 - Varies

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE (cont): Abrams Field Upgrades [MOD 3] 1-97-05-4534

FINANCIAL PLAN: (\$ in Millions)

	FY 2010 and Prior		2011		2012		2013		2014		2015		2016		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>																	
<b>Procurement</b>																		
<b>Installation of Hardware</b>																		
Installation Kits		283.4		36.0												900.0		1219.4
BFT Relocation					400	3.2	400	3.2									800	6.4
Ammo Rack Installation Kit					200	2.5	235	2.5									435	5.0
CROWS II A Kit with Universal Display Interface Module					250	4.1	220	3.7									470	7.8
Mounted Soldier System					1000	22.4	200	4.2									1200	26.6
Vehicle Health Management System with Embedded Training							280	23.6									280	23.6
Safety Mods						28.5	6.6		4.6		2.3							42.0
FY 2009 & Prior Equip -- Kits																		
FY 2010 -- Kits																		
FY 2011 Equip -- Kits																		
FY 2012 Equip -- Kits																		
FY 2013 Equip -- Kits																		
FY 2014 Equip -- Kits																		
FY 2015 Equip -- Kits																		
FY 2016 Equip -- Kits																		
TC Equip- Kits																		
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		283.4		36.0		60.7		43.8		4.6		2.3		0.0		900.0		1330.8

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE: Armor [MOD 6] 1-99-05-4555

MODELS OF SYSTEM AFFECTED: Abrams FOV

**DESCRIPTION / JUSTIFICATION:**

Armor is provided by the Department of Energy (DOE). The armor facility must be maintained at a sustainable level to maintain the industrial base and minimize the loss of skilled labor. The additional Armor packages will be used as spares, war reserve stock, and to pure fleet the tanks in the latest armor configuration when an old version tank is overhauled by the depot.

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):**

Preliminary Design Review.....PLANNED: 4Q98 ACCOMPLISHED: 4Q98  
 VAL/VER Ballistic Testing.....PLANNED: 4Q00 ACCOMPLISHED: 4Q00  
 Critical Design Review.....PLANNED: 3Q99 ACCOMPLISHED: 3Q99  
 Production Contract Award.....PLANNED: 1Q01 ACCOMPLISHED: 1Q01  
 Tech Data Package Available.....PLANNED: 4Q00 ACCOMPLISHED: 4Q00

**Installation Schedule**

	Pr Yr Totals	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs	821					12	25	20	30												
Outputs	791	15	15					21	22	22	22										

  

	FY 2016				FY 2017				FY 2018				FY 2019				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		908
Outputs																		908

**METHOD OF IMPLEMENTATION:** Contractor Teams      **ADMINISTRATIVE LEADTIME:** 3 months      **PRODUCTION LEADTIME:** 18 months  
 Contract Dates:                      FY 2012 - Jan 12                      FY 2013 - Jan 13                      FY 2014 - Jan 14  
 Delivery Dates:                      FY 2012 - Varies                      FY 2013 - Varies                      FY 2014 - Varies

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE (cont): Armor [MOD 6] 1-99-05-4555

FINANCIAL PLAN: (\$ in Millions)

	FY 2010 and Prior		2011		2012		2013		2014		2015		2016		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>																	
<b>Procurement</b>																		
<b>Installation of Hardware</b>																		
Kit Quantity																		
Installation Kits	821	526.8	87	56.6												93.9	908	677.3
Spare Armor Sets							70	80.4	70	79.9	70	81.7	70	82.9			280	324.9
Armor Facility						39.7												39.7
Equipment, Nonrecurring																		
Engineering Change Orders																		
Data																		
Training Equipment																		
Support Equipment																		
Other																		
Interim Contractor Support																		
FY 2009 & Prior Equip -- Kits	791																	791
FY 2010 -- Kits			30															30
FY 2011 Equip -- Kits					43		44											87
FY 2012 Equip -- Kits																		
FY 2013 Equip -- Kits																		
FY 2014 Equip -- Kits																		
FY 2015 Equip -- Kits																		
FY 2016 Equip -- Kits																		
TC Equip- Kits																		
<b>Total Installment</b>	791	0.0	30	0.0	43	0.0	44	0.0	0	0.0	0	0.0	0	0.0	0	0.0	908	0.0
<b>Total Procurement Cost</b>		526.8		56.6		39.7		80.4		79.9		81.7		82.9		93.9		1041.9

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE: Engineering Support [MOD 7] 0-00-00-0000

MODELS OF SYSTEM AFFECTED: Whole Fleet

**DESCRIPTION / JUSTIFICATION:**

Engineering support associated with the Abrams Tank Systems includes both contractor and government program management support, matrix support at US Army Tank Automotive Command (TACOM), Army Research & Development Command (ARDEC), and other Government sites, as well as the Team Armor Partnership (TAP) warehouse and Special Tools & Test Equipment (ST&TE) to support the government fielding teams.

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):**

N/A

**Installation Schedule**

Pr Yr Totals	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																				
Outputs																				

  

1	2	3	4	FY 2016				FY 2017				FY 2018				FY 2019				To Complete	Totals	
				1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
Inputs																						
Outputs																						

**METHOD OF IMPLEMENTATION:**

**ADMINISTRATIVE LEADTIME:**

0 months

**PRODUCTION LEADTIME:** 0 months

Contract Dates:

FY 2012 -

FY 2013 -

FY 2014 -

Delivery Dates:

FY 2012 -

FY 2013 -

FY 2014 -

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE (cont): Engineering Support [MOD 7] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	FY 2010 and Prior		2011		2012		2013		2014		2015		2016		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>																	
<b>Procurement</b>																		
<b>Installation of Hardware</b>																		
Kit Quantity																		
Installation Kits																		
Installation Kits, Nonrecurring																		
Equipment																		
Equipment, Nonrecurring																		
Engineering Change Orders																		
Data																		
Training Equipment																		
Support		54.9		2.4		8.5		13.4		20.1		20.1		20.1				139.5
Other																		
Interim Contractor Support																		
FY 2009 & Prior Equip -- Kits																		
FY 2010 -- Kits																		
FY 2011 Equip -- Kits																		
FY 2012 Equip -- Kits																		
FY 2013 Equip -- Kits																		
FY 2014 Equip -- Kits																		
FY 2015 Equip -- Kits																		
FY 2016 Equip -- Kits																		
TC Equip- Kits																		
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		54.9		2.4		8.5		13.4		20.1		20.1		20.1		0.0		139.5

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE: Power Pack Improvement & Integration Optimization [MOD 9] 2-04-05-0008

MODELS OF SYSTEM AFFECTED: M1A2 SEP, M1A1 SA, Reset

**DESCRIPTION / JUSTIFICATION:**

This modification is intended to reduce the Operating and Support (O&S) cost of the Abrams Tank power train. It will equip the Abrams fleet with more reliability/durability and will provide a single overhaul standard for vehicle's power train. The TIGER Program supports the Abrams Advanced Gas Turbine (AGT) 1500 Engine Overhaul line for vehicle production/reset. FY12 funds support the System Technical Support.

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):**

Various - Milestones differ for individual modifications noted above.

**Installation Schedule**

	Pr Yr Totals	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs	2691																				
Outputs	2691																				

  

	FY 2016				FY 2017				FY 2018				FY 2019				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		2691
Outputs																		2691

**METHOD OF IMPLEMENTATION:** Contractor/Depot ADMINISTRATIVE LEADTIME: 0 months PRODUCTION LEADTIME: 0 months  
 Contract Dates: FY 2012 - Varies FY 2013 - Varies FY 2014 -  
 Delivery Dates: FY 2012 - Varies FY 2013 - Varies FY 2014 -

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE (cont): Power Pack Improvement & Integration Optimization [MOD 9] 2-04-05-0008

FINANCIAL PLAN: (\$ in Millions)

	FY 2010 and Prior		2011		2012		2013		2014		2015		2016		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>																	
<b>Procurement</b>																		
<b>Installation of Hardware</b>																		
Kit Quantity																		
Installation Kits	2691	930.3	87	8.0													2778	938.3
Installation Kits, Nonrecurring Equipment																		
Equipment, Nonrecurring																		
Engineering Change Orders																		
System Technical Support						29.4		26.6										56.0
Training Equipment																		
Support Equipment																		
Other																		
Interim Contractor Support																		
FY 2009 & Prior Equip -- Kits	2567																2567	
FY 2010 -- Kits	124																124	
FY 2011 Equip -- Kits																		
FY 2012 Equip -- Kits																		
FY 2013 Equip -- Kits																		
FY 2014 Equip -- Kits																		
FY 2015 Equip -- Kits																		
FY 2016 Equip -- Kits																		
TC Equip- Kits																		
<b>Total Installment</b>	2691	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2691	0.0
<b>Total Procurement Cost</b>		930.3		8.0		29.4		26.6		0.0		0.0		0.0		0.0		994.3

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE: Training Devices [MOD 10] 0-00-00-0000

MODELS OF SYSTEM AFFECTED: Abrams Family of Vehicles

**DESCRIPTION / JUSTIFICATION:**

Provides funding for Training Aids, Devices, Simulators and Simulations (TADSS) in support of the Abrams family of vehicles. System training devices are required to remain current with upgraded fleet configuration/capabilities. TADSS include Maintenance Trainers, Gunnery Trainer Tech Refresh, Close Combat Tactical Trainer (CCTT) Tech Refresh, Common Drivers Trainer Upgrades, Desktop Trainer Lessons, Abrams Common Software Library and Through Sight Video. Contractor dates will vary by item and cannot be predicted.

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):**

**Installation Schedule**

	Pr Yr Totals	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Inputs																						
Outputs																						

  

	FY 2016				FY 2017				FY 2018				FY 2019				To Complete	Totals				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
Inputs																						
Outputs																						

**METHOD OF IMPLEMENTATION:** Contractor      **ADMINISTRATIVE LEADTIME:** 0 months      **PRODUCTION LEADTIME:** 0 months  
 Contract Dates:      FY 2012 - varies      FY 2013 -      FY 2014 -  
 Delivery Dates:      FY 2012 - varies      FY 2013 -      FY 2014 -

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE (cont): Training Devices [MOD 10] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	FY 2010 and Prior		2011		2012		2013		2014		2015		2016		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>																	
<b>Procurement</b>																		
<b>Installation of Hardware</b>																		
Kit Quantity																		
Installation Kits																		
Installation Kits, Nonrecurring																		
Equipment																		
Equipment, Nonrecurring																		
Engineering Change Orders																		
Data																		
Training Equipment (CCTT)		25.6			144	22.3											144	47.9
Support Equipment																		
Other																		
Interim Contractor Support																		
FY 2009 & Prior Equip -- Kits																		
FY 2010 -- Kits																		
FY 2011 Equip -- Kits																		
FY 2012 Equip -- Kits																		
FY 2013 Equip -- Kits																		
FY 2014 Equip -- Kits																		
FY 2015 Equip -- Kits																		
FY 2016 Equip -- Kits																		
TC Equip- Kits																		
<b>Total Installment</b>	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>Total Procurement Cost</b>		25.6		0.0		22.3		0.0		0.0		0.0		0.0		0.0		47.9

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2011

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles  
 P-1 Item Nomenclature: ABRAMS UPGRADE PROGRAM (GA0750)

Program Elements for Code B Items: Code: A Other Related Program Elements: 0203735A.D330

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty	1136	22	21	21		21						1200
Gross Cost	7794.7	185.0	183.0	181.3		181.3	73.5			372.4		8790.0
Less PY Adv Proc	2064.5											2064.5
Plus CY Adv Proc	2064.5											2064.5
Net Proc P1	7794.7	185.0	183.0	181.3		181.3	73.5			372.4		8790.0
Initial Spares	3599.0			7.2		7.2						3606.2
Total Proc Cost	11393.7	185.0	183.0	188.5		188.5	73.5			372.4		12396.2
Flyaway U/C												
Weapon System Proc U/C	5.2	8.4		8.6		8.6						7.3

**Description:**

This program upgrades M1/M1A1 tanks to the M1A2 System Enhancement Package (SEP) configuration. Therefore, for each M1A2 SEP produced, there will be a corresponding decrease in the Army's M1/M1A1 inventory. The Abrams Upgrade Program will upgrade the tanks, survivability, automotive power pack, computer systems, and night vision capabilities. The M1A2 SEP has improved microprocessors, color flat panel displays, improved memory capacity, better Soldier-Machine Interface (SMI), and a new open operating system designed to run the Common Operating Environment (COE) software. Both the Gunner's Primary Sight (GPS) and the Commander's Independent Thermal Viewer (CITV) on the M1A2 SEP tank include the improved thermal imaging capabilities of the new Block I 2nd Generation Forward Looking Infra-Red (FLIR) technology. The M1A2 SEP has improved frontal and side armor for enhanced crew survivability. The M1A2 SEP is also equipped with the total integrated revitalization (TIGER) engine and upgraded transmission for improved automotive reliability and durability.

**Justification:**

FY12 Base procurement dollars in the amount of \$181.329 million will procure 21 Abrams M1A2 SEP Upgrade Vehicles to support the Active Army. The Abrams Upgrade Program will upgrade the tanks, automotive power pack, computer systems, and night vision capabilities.

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Line Item Nomenclature: ABRAMS UPGRADE PROGRAM (GA0750)	Weapon System Type:	Date: February 2011
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WTCV Cost Elements	ID CD	FY 10			FY 11			FY 12 Base			FY 12 OCO			FY 12 Total		
		Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Basic Vehicle	A	70118	22	3187	71182	21	3390	71673	21	3413				71673	21	3413
FLIR	A															
GFE	A	14648			22273			22644						22644		
Armor	A															
Depot Maint Pre-Mod	A	11310	22	514	7868	21	375	8147	21	388				8147	21	388
STS, TPF, Special Tools&TS, Gov't Spt	A	83062			62877			78865						78865		
Initial Spares/Authorized Stock List		5900			18800											
<b>Total:</b>		<b>185038</b>			<b>183000</b>			<b>181329</b>						<b>181329</b>		

# Exhibit P-5a, Budget Procurement History and Planning

Date:  
February 2011

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 1/ Tracked combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: ABRAMS UPGRADE PROGRAM (GA0750)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Basic Vehicle</b>										
FY 2010	Joint Systems Mfg Center Lima, OH	C / FFP	TACOM-Warren	Feb 10	Sep 12	22	3187	yes		
FY 2011	Joint Systems Mfg Center Lima, OH	C / FFP	TACOM-Warren	Feb 11	Nov 12	21	3390	yes		
FY 2012	Joint Systems Mfg Center Lima, OH	C / FFP	TACOM-Warren	Feb 12	Jan 13	21	3413	yes		
<b>FLIR</b>										

REMARKS:

**FY 10 / 11 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
ABRAMS UPGRADE PROGRAM (GA0750)

Date:  
February 2011

COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												Later
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Basic Vehicle																														
1	FY 07	A	98	0	98				7	14	14	14	3	8	3	7	14	14											0	
1	FY 08	A	260	0	260													7	18	18	18	13	13	13	20	23	18	20	20	59
1	FY 09	A	111	0	111																								111	
1	FY 10	A	22	0	22				A																				22	
1	FY 11	A	21	0	21																A								21	
1	FY 12	A	21	0	21																								21	
Total					533				7	14	14	14	3	8	3	7	14	21	18	18	18	13	13	13	20	23	18	20	20	234
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR 1	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Joint Systems Mfg Center, Lima, OH	60	120	336		1	Initial	0	5	31	36	
							Reorder	0	5	11	16	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

**FY 12 / 13 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
ABRAMS UPGRADE PROGRAM (GA0750)

Date:  
February 2011

COST ELEMENTS						Fiscal Year 12												Fiscal Year 13												Later
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12												Calendar Year 13												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
Basic Vehicle																														
1	FY 07	A	98	98																								0		
1	FY 08	A	260	201	59	20	20	14	5																			0		
1	FY 09	A	111	0	111				10	13	13	13	13	13	12	13	11											0		
1	FY 10	A	22	0	22											2	13	7										0		
1	FY 11	A	21	0	21													6	12	3								0		
1	FY 12	A	21	0	21					A											1	4	4	4	4	4	4	0		
Total					234	20	20	14	15	13	13	13	13	13	12	13	13	13	13	12	4	4	4	4	4	4				
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR 1	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Joint Systems Mfg Center, Lima, OH	60	120	336		1	Initial	0	5	31	36	
							Reorder	0	5	11	16	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2011

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles  
 P-1 Item Nomenclature: PRODUCTION BASE SUPPORT (TCV-WTCV) (GA0050)

Program Elements for Code B Items:			Code:		Other Related Program Elements:							
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty												
Gross Cost	400.9	6.6	3.1	1.1		1.1	1.1	1.5	1.8	1.9		418.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	400.9	6.6	3.1	1.1		1.1	1.1	1.5	1.8	1.9		418.1
Initial Spares												
Total Proc Cost	400.9	6.6	3.1	1.1		1.1	1.1	1.5	1.8	1.9		418.1
Flyaway U/C												
Weapon System Proc U/C												

**Description:**  
 This program provides for the Provision of Industrial Facilities (PIF). Funds are used to establish, modernize, expand or replace facilities owned by the Army. It provides Production Support Equipment Replacement and Modernization to Government-owned equipment and real property used in the production of Weapons and Tracked Combat Vehicles. The program also provides funding for Layaway of Industrial Facilities (LIF) and for the redistribution of equipment no longer required for production of Army systems. This effort supports the Reset, Abrams Integrated Management (AIM), Systems Enhancement Program (SEP) Programs and Spin-Out Framework. Funding is required for the preservation, Packing, Crating, Handling, and Transportation (PCH&T) of equipment excess to production, where such actions do not constitute substantial or complete shutdown or excessing of U.S. Army Tank-Automotive and Armaments Command (TACOM) production equipment. This program also funds projects to prevent unnecessary deterioration, perform maintenance, cover storage expenses of idle items of Government-owned equipment, and unplanned repairs to active equipment as situations arise.

**Justification:**  
 FY12 Base procurement dollars in the amount of \$1.073 million supports the procurement, repair, or replacement of Government-owned Industrial Plant Equipment (IPE) and Government-owned Real Property at the Joint System Manufacturing Center at Lima (JSMCL), formerly the Lima Army Tank Plant (LATP). In addition, this program procures repair or replacement of Government-owned IPE at contractor-owned manufacturing facilities in Muskegon, MI, Scranton, PA, Indianapolis, IN, and other locations. This request also supports emergency repairs to prevent production interruptions or loss of resources, as well as addressing threats to security, worker safety, and environmental issues. At JSMCL, projects include repair and rehab of machining centers, rehab of underground utilities and sewers, repair and upgrade of building electrical controls and resurfacing of deteriorating asphalt and concrete surfaces. Partial layaway of manufacturing facilities at JSMCL, pertaining to Abrams and Stryker production lines, is also included. At the other locations, most projects address planned rehab or emergency repair of Government-owned machining centers and other Government IPE. These projects help prevent increased costs due to obsolete or uneconomical equipment, and also address environmental and safety deficiencies. In addition, this project covers unplanned repairs to Government-owned equipment, as situations arise. Funding is required to establish, modernize or replace Army-owned industrial facilities and equipment used in direct support of increased WTCV production requirements, resulting from ongoing heightened tensions/surge requirements in direct support of Overseas Contingency Operations (OCO). In the present OCO environment, TACOM's Industrial Base needs require funding to establish, modernize and/or replace Army owned industrial facilities and equipment used in direct support of increased WTCV production requirements (PIF Projects, Parts obsolescence, supplier non-availability, Foreign Dependency, and Single Source Failure issues) throughout the Industrial Base, and direct manufacturing support of the Organic Base.

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Line Item Nomenclature: PRODUCTION BASE SUPPORT (TCV-WTCV) (GA0050)	Weapon System Type:	Date: February 2011
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WTCV Cost Elements	ID	FY 10			FY 11			FY 12 Base			FY 12 OCO			FY 12 Total		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
PIF LIF		6581			3145			1073						1073		
<b>Total:</b>		<b>6581</b>			<b>3145</b>			<b>1073</b>						<b>1073</b>		

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 1 / Tracked combat vehicles	P-1 Item Nomenclature PIF1 OMNIBUS(TCV-WTCV) (GA2001)
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Program Elements for Code B Items:			Code:		Other Related Program Elements:							
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty												
Gross Cost	359.6	6.6	3.1	1.1		1.1	1.1	1.5	1.8	1.9		376.7
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	359.6	6.6	3.1	1.1		1.1	1.1	1.5	1.8	1.9		376.7
Initial Spares												
Total Proc Cost	359.6	6.6	3.1	1.1		1.1	1.1	1.5	1.8	1.9		376.7
Flyaway U/C												
Weapon System Proc U/C												

**Description:**  
 This program provides for the Provision of Industrial Facilities (PIF). Funds are used to establish, modernize, expand or replace facilities owned by the Army. It provides Production Support Equipment Replacement and Modernization to Government-owned equipment and real property used in the production of Weapons and Tracked Combat Vehicles. This effort supports the Reset, Abrams Integrated Management (AIM), Systems Enhancement Program (SEP) Programs, and Spin-Out Framework. In addition this program supports multiple track and wheeled vehicle systems across the TACOM LCMC community, Overseas Contingency Operations (OCO) support, and facilitization/modernization at Rock Island and Watervliet Arsenal, to include obsolescence issues.

**Justification:**  
 FY12 Base procurement dollars in the amount of \$1.073 million supports the procurement, repair, or replacement of Government-owned Industrial Plant Equipment (IPE) and Government-owned Real Property at the Joint System Manufacturing Center at Lima (JSMCL), formerly the Lima Army Tank Plant (LATP). In addition, this program procures, repairs, or replaces Government-owned IPE at contractor-owned manufacturing facilities in Muskegon, MI, Scranton, PA, Indianapolis, IN, and other locations. This request also supports emergency repairs to prevent production interruptions or loss of resources, as well as addressing threats to security, worker safety, and environmental issues. At JSMCL, projects include repair and rehab of machining centers, rehab of underground utilities and sewers, repair and upgrade of building electrical controls, and resurfacing of deteriorating asphalt and concrete surfaces. At the other locations, most projects address planned rehab or emergency repair of Government-owned machining centers and other Government IPE. These projects help prevent increased costs due to obsolete or uneconomical equipment, and also address environmental and safety deficiencies. Funding is required to establish, modernize or replace Army-owned industrial facilities and equipment used in direct support of increased WTCV production requirements, resulting from ongoing heightened tensions/surge requirements in direct support of Overseas Contingency Operations (OCO). In the present OCO environment, TACOM's Industrial Base needs requires funding to establish, modernize and/or replace Army owned industrial facilities and equipment used in direct support of increased WTCV production requirements (PIF Projects, Parts obsolescence, supplier non-availability, Foreign Dependency, and Single Source Failure issues) throughout the Industrial Base, and direct manufacturing support of the Organic Base.

**Exhibit P-40C, Budget Item Justification Sheet**

Date: February 2011

Appropriation / Budget Activity / Serial No:  
Procurement of W&TCV, Army/1/Tracked combat vehicles

P-1 Item Nomenclature  
PIF1 OMNIBUS(TCV-WTCV) (GA2001)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

<u>Location</u>	<u>Project Title</u>	<u>Project</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>
<u>Production Support</u>					
	Production Base Support-LIMA	U6037	3685	1603	284
	Production Base Support-SCRANTON	U6040	2454	993	189
	TACOM LCMC Production Base Spt Program	U4282	442	549	600
	<b>Subtotal - Production</b>		<b>6,581</b>	<b>3,145</b>	<b>1,073</b>
<u>Environmental</u>					
	<b>Subtotal - Environmental</b>		<b>0</b>	<b>0</b>	<b>0</b>
	<b>Total Industrial Facilities</b>		<b>6,581</b>	<b>3,145</b>	<b>1,073</b>





<b>Exhibit P-25, Production Support and Industrial Facilities Cost Analysis (Dollars in Thousands)</b>	1. Date: February 2011
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2. Project Title/Type TACOM LCMC Production Base Spt Program	3. End Item Supported Model Not Applicable
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4. Project Number: U4282	5. Annual Capacity Before (1-8-5) N/A	6. Annual Capacity After (1-8-5): N/A
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Element of Cost	FY 10	FY 11	FY 12	H. Facility														
<b>A. Construction Cost</b>				1. Name: -														
<b>B. Equipment Cost*</b> (Individual equipment cost should be specified for all equipment costing more than \$0.5 Million)	442	549	600	2. Location: <u>TACOM</u>														
1.				3. Type (GOGO, GOCO, COCO): -														
2.				<b>I. Related Projects</b>														
3.				<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;">Project Number</th> <th style="width:30%;">Title</th> <th style="width:10%;">FY &amp; Appn</th> <th style="width:10%;">Value (\$ Mil)</th> <th style="width:10%;">Facing</th> <th style="width:10%;">Start Date</th> <th style="width:10%;">Compl Date</th> </tr> </thead> <tbody> <tr> <td> </td> </tr> </tbody> </table>	Project Number	Title	FY & Appn	Value (\$ Mil)	Facing	Start Date	Compl Date							
Project Number	Title	FY & Appn	Value (\$ Mil)	Facing	Start Date	Compl Date												
<b>Subtotal Costs</b>	442	549	600															
<b>C. Equipment Installation Cost</b>																		
<b>D. Contractor Support Cost</b>																		
<b>E. Corps of Engineers Support Cost</b>																		
<b>F. Other In-House Support Cost</b>																		
<b>Total Facility Project Cost</b>	442	549	600	<b>J. Principal Milestones</b>														
<b>G. Other Costs</b>				<table style="width:100%;"> <tr> <td style="width:80%;"></td> <td style="text-align: right;"><b>Month &amp; Year</b></td> </tr> <tr> <td>    1. Facility Prove-out Cost</td> <td style="text-align: right;"><u>Not Applicable</u></td> </tr> <tr> <td>    2. Material Construction Appn.</td> <td style="text-align: right;"><u>Not Applicable</u></td> </tr> </table>		<b>Month &amp; Year</b>	1. Facility Prove-out Cost	<u>Not Applicable</u>	2. Material Construction Appn.	<u>Not Applicable</u>								
	<b>Month &amp; Year</b>																	
1. Facility Prove-out Cost	<u>Not Applicable</u>																	
2. Material Construction Appn.	<u>Not Applicable</u>																	
				1. Concept Design Complete: <u>Not Applicable</u>														
				2. Final Design Complete: <u>Not Applicable</u>														
				3. Initial/Final Project Award: <u>Not Applicable</u>														
				4. Construction Complete: <u>Not Applicable</u>														
				5. Equipment Installation Complete: <u>Not Applicable</u>														
				6. Prove Out Begins: <u>Not Applicable</u>														
				7. Prove Out Complete: <u>Not Applicable</u>														

**Narrative Explanation:**

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature HOWITZER, LIGHT, TOWED, 105MM, M119 (G01300)
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Program Elements for Code B Items:			Code: A		Other Related Program Elements:							
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty	853		2									855
Gross Cost	727.3	39.5	5.6									772.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	727.3	39.5	5.6									772.4
Initial Spares												
Total Proc Cost	727.3	39.5	5.6									772.4
Flyaway U/C												
Weapon System Proc U/C	0.9		2.8									0.9

<b>P-40 Breakdown</b>										
Area		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016
Active	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	17393.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Guard	Qty	0	2	0	0	0	0	0	0	0
	Gross Cost	22143.0	5575.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reserve	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	Qty	0	2	0	0	0	0	0	0	0
	Gross Cost	39536	5575	0	0	0	0	0	0	0

**Description:**  
The M119A2 105MM Towed Howitzer provides direct artillery fire support for the light forces. Army transition to a modular force has increased the need for this system. Production was restarted in FY2005. The National Guard will replace their Vietnam-era M102, 105MM howitzers with this improved weapon. The M119A2 105mm howitzer provides organic continuous close fires and effects in support of the elements of the Infantry Brigade Combat Team (IBCT) during all phases of operations. The 105mm howitzer has a maximum range of 19.5 Km (14km unassisted). It is airmobile via UH-60, CH-47 and Air Drop. The M119A2 is seeing extensive use in Iraq and Afghanistan. The M119A2 will be fielded to a total of 40 battalions (20 active Army, 20 Army National Guard), 2 Army Prepositioned Stocks Sets and the training base.

**Justification:**  
FY12 has no funding.

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: HOWITZER, LIGHT, TOWED, 105MM, M119 (G01300)	Weapon System Type:	Date: February 2011
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WTCV Cost Elements	ID	FY 10			FY 11			FY 12 Base			FY 12 OCO			FY 12 Total		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
M119A2 105mm Howitzer Production	A				1608	2	804									
Basic Issue Items & Initial Spares					199											
Test / Acceptance					183											
System Eng / Program Mgt		16720			3295											
Cannon Breech Engineering Change Pro		22816			290											
<b>Total:</b>		<b>39536</b>			<b>5575</b>											

<b>Exhibit P-5a, Budget Procurement History and Planning</b>	Date: February 2011
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Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles	Weapon System Type:	P-1 Line Item Nomenclature: HOWITZER, LIGHT, TOWED, 105MM, M119 (G01300)
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WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>M119A2 105mm Howitzer Production</b> FY 2011	Rock Island Arsenal Rock Island, IL	PWD		Dec 10	Aug 11	2	804			

REMARKS: Funds are provided to Rock Island Arsenal via Procurement Work Directive (PWD) for M119A2 production.



**FY 12 / 13 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
HOWITZER, LIGHT, TOWED, 105MM, M119 (G01300)

Date:  
February 2011

COST ELEMENTS						Fiscal Year 12												Fiscal Year 13												Later
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12												Calendar Year 13												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
M119A2 105mm Howitzer Production																														
1	FY 08	TOT	127	127																								0		
1	FY 09	TOT	90	64	26	10	8	8																				0		
1	FY 11	NG	2	2																								0		
Total					26	10	8	8																						
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Rock Island Arsenal, Rock Island, IL	12	120	120		1	Initial	0	3	15	18	
							Reorder	0	3	8	11	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2011

Appropriation / Budget Activity / Serial No:

Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature

Integrated Air Burst Weapon System Family (G16101)

Program Elements for Code B Items:

0604601A Infantry Support Weapons

Code:

B

Other Related Program Elements:

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty				5		5	40	1028	1337	1656		4066
Gross Cost				16.0		16.0	34.1	70.3	70.3	70.2		261.0
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1				16.0		16.0	34.1	70.3	70.3	70.2		261.0
Initial Spares												
Total Proc Cost				16.0		16.0	34.1	70.3	70.3	70.2		261.0
Flyaway U/C												
Weapon System Proc U/C				3.2		3.2	0.9	0.1	0.1	0.0		0.1

**Description:**

The Maneuver Center of Excellence (MCoE), FT Benning, GA (User Community) identifies the Counter Defilade Target Engagement (CDTE) as their number one material solution to mitigate a critical capability gap for our Soldiers in combat (defeating defilade targets from 15-500m). The XM25 CDTE fires 25mm munitions including high-explosive airburst (HEAB), armor-piercing, breaching rounds, less-than-lethal, and training. The XM25 comes with a target acquisition/fire control that integrates thermal capability with direct-view optics laser rangefinder, compass, fuze setter, ballistic computer, laser pointer and illuminator and internal display. The XM25 has a 500-meter point target range and a 700-meter area target range capable of defeating defilade (hidden) targets. This program is a New Start in FY2012.

**Justification:**

FY12 Base procurement dollars in the amount of \$16.046 million supports Low Rate Initial Production (LRIP) efforts of the XM25 CDTE system. LRIP quantities are expected to be fielded to the Active Army and National Guard. The XM25 CDTE system provides the Infantry Soldier with a leap-ahead overmatch capability to defeat targets protected from observation and direct fire by natural and/or man made cover such as terrain depressions, rock formations, foxholes, vehicles, walls, buildings and battlefield rubble. The XM25 CDTE system dramatically increases lethality, range, and capability through the use of a family of low-velocity 25mm ammunition.

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature XM25 Integrated Air Burst Weapon System (G16100)
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Program Elements for Code B Items: 0604601A Infantry Support Weapons	Code: B	Other Related Program Elements:										
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty				5		5	40	1028	1337	1656		4066
Gross Cost				16.0		16.0	34.1	70.3	70.3	70.2		261.0
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1				16.0		16.0	34.1	70.3	70.3	70.2		261.0
Initial Spares												
Total Proc Cost				16.0		16.0	34.1	70.3	70.3	70.2		261.0
Flyaway U/C												
Weapon System Proc U/C				3.2		3.2	0.9	0.1	0.1	0.0		0.1

P-40 Breakdown											
Area		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	
Active	Qty	0	0	4	0	4	28	764	993	1230	
	Gross Cost	0.0	0.0	12032.0	0.0	12032.0	25554.0	52717.0	52693.0	52651.0	
National Guard	Qty	0	0	1	0	1	12	264	344	426	
	Gross Cost	0.0	0.0	4014.0	0.0	4014.0	8536.0	17604.0	17592.0	17566.0	
Reserve	Qty	0	0	0	0	0	0	0	0	0	
	Gross Cost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Total	Qty	0	0	5	0	5	40	1028	1337	1656	
	Gross Cost	0	0	16046	0	16046	34090	70321	70285	70217	

**Description:**  
The Maneuver Center of Excellence (MCoE), FT Benning, GA (User Community) identifies the Counter Defilade Target Engagement (CDTE) as their number one material solution to mitigate a critical capability gap for our Soldiers in combat (defeating defilade targets from 15-500m). The XM25 CDTE fires 25mm munitions including high-explosive airburst (HEAB), armor-piercing, breaching rounds, less-than-lethal, and training. The XM25 comes with a target acquisition/fire control that integrates thermal capability with direct-view optics laser rangefinder, compass, fuze setter, ballistic computer, laser pointer and illuminator and internal display. The XM25 has a 500-meter point target range and a 700-meter area target range capable of defeating defilade (hidden) targets. This program is a New Start in FY2012.

**Justification:**  
FY12 Base procurement dollars in the amount of \$16.046 million supports Low Rate Initial Production (LRIP) efforts of the XM25 CDTE system. LRIP quantities are expected to be fielded to the Active Army and National Guard. The XM25 CDTE system provides the Infantry Soldier with a leap-ahead overmatch capability to defeat targets protected from observation and direct fire by natural and/or man made cover such as terrain depressions, rock formations, foxholes, vehicles, walls, buildings and battlefield rubble. The XM25 CDTE system dramatically increases lethality,

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date:
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February 2011

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature XM25 Integrated Air Burst Weapon System (G16100)
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Program Elements for Code B Items: 0604601A Infantry Support Weapons	Code: B	Other Related Program Elements:
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range, and capability through the use of a family of low-velocity 25mm ammunition.

IAW Section 1815 of the FY08 NDAA this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: XM25 Integrated Air Burst Weapon System (G16100)	Weapon System Type:	Date: February 2011
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WTCV Cost Elements	ID CD	FY 10			FY 11			FY 12 Base			FY 12 OCO			FY 12 Total		
		Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
XM25 CDTE Weapon System	B							500	5	100				500	5	100
Non-recurring Engineering (Facility - Molds, Equipment, and Hard Tooling for the Production Line)								13046						13046		
Engineering, Test & Evaluation Support								1804						1804		
Integrated Logistical Support								232						232		
New Equipment Training								232						232		
Total Package Fielding								232						232		
<b>Total:</b>								<b>16046</b>						<b>16046</b>		

<b>Exhibit P-5a, Budget Procurement History and Planning</b>	Date: February 2011
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Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles	Weapon System Type:	P-1 Line Item Nomenclature: XM25 Integrated Air Burst Weapon System (G16100)
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WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>XM25 CDTE Weapon System</b> FY 2012	ATK Plymouth	SS / CPFF	RDECOM Contr. Ctr, Adelphi, MD	Sep 12	Jan 13	5	100	No	Sept 12	

REMARKS: Exercise Option on RDT&E contract.

**FY 12 / 13 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
XM25 Integrated Air Burst Weapon System (G16100)

Date:  
February 2011

COST ELEMENTS						Fiscal Year 12												Fiscal Year 13												Later
MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12												Calendar Year 13												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
XM25 CDTE Weapon System																														
1	FY 12	A	4	4																								0		
1	FY 12	NG	1	1																								0		
1	FY 12	TOT	5	0	5											A										5		0		
Total					5																									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS		
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct					
		1	Initial	Reorder			3	12				4	16
1	ATK, Plymouth	300	1800	3600		1	Initial	Reorder	3	12	4	16	
							Initial	Reorder					
							Initial	Reorder					
							Initial	Reorder					
							Initial	Reorder					
							Initial	Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature M240 Medium Machine Gun (7.62mm) (G13000)
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Program Elements for Code B Items: 0604601A Infantry Support Weapon	Code: A	Other Related Program Elements:										
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty	109430	1400	1655									112485
Gross Cost	738.8	19.3	28.2									786.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	738.8	19.3	28.2									786.2
Initial Spares												
Total Proc Cost	738.8	19.3	28.2									786.2
Flyaway U/C												
Weapon System Proc U/C	0.0	0.0										0.0

<b>P-40 Breakdown</b>										
Area		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016
Active	Qty	963	452	0	0	0	0	0	0	0
	Gross Cost	14198.0	7691.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Guard	Qty	437	588	0	0	0	0	0	0	0
	Gross Cost	5098.0	10000.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reserve	Qty	0	615	0	0	0	0	0	0	0
	Gross Cost	0.0	10488.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	Qty	1400	1655	0	0	0	0	0	0	0
	Gross Cost	19296	28179	0	0	0	0	0	0	0

**Description:**  
The M240 class machine guns are available in different configurations for various applications. The M240B Machine Gun is a ground version of the original M240 Machine Gun, 7.62MM Medium Machine Gun class weapon, designed as a coaxial/pintle-mounted weapon for tanks and light armored vehicles. The M240B also includes: a flash suppressor, front sight, carrying handle, buttstock, pistol grip, bipod, heat shield and rear sight assembly. The M240B Machine Gun may also be tripod-mounted and used in conjunction with a traversing and elevating mechanism and mount pintle. The M240H is a variant of this same family of Machine Guns and is employed as the self defensive armament subsystem for the UH-60 BLACK HAWK and CH-47 Chinook Helicopters. The M240H uses the same receiver and barrel as the M240B but has a spade grip trigger assembly. It also has a unique mounting interface and pintle to properly interface with the helicopter platform. Also, included with the system is an egress kit to allow the weapon to be converted for a ground defensive role in the event the helicopter is downed. The lighter M240L replaces the M240B in Special Forces/Rangers, Light Infantry and Airborne units. The M240L significantly reduces the weight of the current M240B while maintaining the same level of reliability. The weight reduction is accomplished through the use of lightweight materials and innovative manufacturing techniques.

**Justification:**

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date:
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February 2011

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature M240 Medium Machine Gun (7.62mm) (G13000)
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Program Elements for Code B Items: 0604601A Infantry Support Weapon	Code: A	Other Related Program Elements:
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FY12 has no funding.

IAW Section 1815 of the FY08 NDAA this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles		P-1 Line Item Nomenclature: M240 Medium Machine Gun (7.62mm) (G13000)			Weapon System Type:			Date: February 2011		

WTCV Cost Elements	ID CD	FY 10			FY 11			FY 12 Base			FY 12 OCO			FY 12 Total		
		Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
1. M240 Series Weapons (Incls Blank Firing Device) Hardware (Infantry Version - M240B) Hardware (Light Weight Version - M240L)	A	15960	1400	11.4	24643	1655	14.9									
2. Engineering Support		1725			2104											
3. Integrated Logistics Support		250			250											
4. Engineering Change Proposals		100			235											
5. Total Package Fielding		400			250											
6. Engineering Studies		100			315											
7. New Equipment Training		300			150											
8. First Destination Transportation		161			92											
9. Testing		300			140											
<b>Total:</b>		<b>19296</b>			<b>28179</b>											

<b>Exhibit P-5a, Budget Procurement History and Planning</b>	Date: February 2011
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Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles	Weapon System Type:	P-1 Line Item Nomenclature: M240 Medium Machine Gun (7.62mm) (G13000)
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WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1. M240 Series Weapons</b>										
<b>Hardware (Infantry Version - M240B)</b>										
<b>Hardware (Light Weight Version - M240L)</b>										
FY 2009	FN Mfg Inc. Columbia, SC	SS / FFP	JM&L, LCMC, Picatinny, NJ	May 10	Jul 11	1530	10.4			
FY 2009	FN Mfg Inc. Columbia, SC	SS / FFP	JM&L, LCMC, Picatinny, NJ	May 11	Nov 11	3053	10.4			
FY 2010	TBS TBS	C / FFP	JM&L, LCMC, Picatinny, NJ	Sep 11	Oct 12	1400	11.4			
FY 2011	TBS TBS	C / FFP	JM&L, LCMC, Picatinny, NJ	Sep 11	Feb 13	1655	14.9	Yes		

REMARKS:

COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11												
						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 U L	A U G	S E P	

Hardware (Infantry Version - M240B)																													
1	FY 07 &P	A	12085	11828	257	257																						0	
1	FY 08	A	8080	0	8080	306	675	663	700	763	763	775	775	660	550	460	224	100	135	70	60	100	140	100	61				0
1	FY 08	NA	263	0	263		100	100	63																			0	
1	FY 08	MC	46	0	46												10	36										0	
1	FY 08	FMS	820	0	820	45											116			100	50	50	50	50	89	150	120	0	
2	FY 09	A	4308	0	4308																						100	100	4108
2	FY 09	MC	11	0	11																						11	0	
2	FY 09	NA	585	0	585																						50	535	
2	FY 09	AF	38	0	38																						38	0	
2	FY 09	CG	110	0	110																							110	
2	FY 09	FMS	637	0	637																							637	

Hardware (Light Weight Version - M240L)																													
3	FY 08	A	2970	51	2919									50	100	150	200	250	200	100	350	350	350	350	350	119			0
3	FY 09	A	1530	0	1530								A													231	350	350	599
3	FY 09	A	3053	0	3053																			A				3053	
4	FY 10	TOT	1400	0	1400																						A	1400	
						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 U L	A U G	S E P

M F R	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX	1			Prior 1 Oct					After 1 Oct
								Initial	Reorder				
1	FN Mfg Inc., Columbia, SC	1200	7000	10500	6	1	Initial	6	12	17	29		
							Reorder	3	2	17	19		
2	Colt Defense, West Hartford, CT	1200	3000	7200	6	2	Initial	6	11	20	31		
							Reorder	0	0	0	0		
3	FN Mfg Inc., Columbia, SC	1200	3000	4200	6	3	Initial	6	8	25	33		
							Reorder	3	31	7	38		
4	TBS, TBS	1200	3000	4200	6	4	Initial	6	23	14	37		
							Reorder	6	11	18	29		
							Initial						
							Reorder						

**FY 10 / 11 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
M240 Medium Machine Gun (7.62mm) (G13000)

Date:  
February 2011

COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												Later
MFR	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11												
						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 U L	A U G	S E P	
Hardware (Light Weight Version - M240L)																														
4	FY 11	A	452	452																								0		
4	FY 11	NG	588	588																								0		
4	FY 11	AR	615	615																								0		
4	FY 11	TOT	1655	0	1655																						A	1655		
Total					25712	608	775	763	763	763	775	775	660	600	560	500	336	385	370	210	500	540	500	500	500	500	470	499	500	12097
					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 U L	A U G	S E P		

MFR	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX	Prior 1 Oct			After 1 Oct				
						1	2	3	4	Initial	Reorder	
1	FN Mfg Inc., Columbia, SC	1200	7000	10500	6	1	Initial	6	12	17	29	
							Reorder	3	2	17	19	
2	Colt Defense, West Hartford, CT	1200	3000	7200	6	2	Initial	6	11	20	31	
							Reorder	0	0	0	0	
3	FN Mfg Inc., Columbia, SC	1200	3000	4200	6		Initial	6	8	25	33	
							Reorder	3	31	7	38	
4	TBS, TBS	1200	3000	4200	6	3	Initial	6	23	14	37	
							Reorder	6	11	18	29	
							Initial					
							Reorder					

**FY 12 / 13 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
M240 Medium Machine Gun (7.62mm) (G13000)

Date:  
February 2011

COST ELEMENTS						Fiscal Year 12										Fiscal Year 13										Later
MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12										Calendar Year 13										
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	

Hardware (Infantry Version - M240B)																												
1	FY 07 &P	A	12085	12085																								0
1	FY 08	A	8080	8080																								0
1	FY 08	NA	263	263																								0
1	FY 08	MC	46	46																								0
1	FY 08	FMS	820	820																								0
2	FY 09	A	4308	200	4108	127	250	300	350	380	400	400	400	400	400	301												0
2	FY 09	MC	11	11																								0
2	FY 09	NA	585	50	535	56	54	55	55	55	55	55	65		30													0
2	FY 09	AF	38	38																								0
2	FY 09	CG	110	0	110	44	46	20																				0
2	FY 09	FMS	637	0	637		50	45	45	45	45	45	35	199	83													0

Hardware (Light Weight Version - M240L)																													
3	FY 08	A	2970	2970																								0	
3	FY 09	A	1530	931	599	350	249																					0	
3	FY 09	A	3053	0	3053		100	350	350	350	350	350	350	153														0	
4	FY 10	TOT	1400	0	1400												110	350	350	350	240							0	
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP

MFR	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX	Prior 1 Oct			After 1 Oct				
		1	FN Mfg Inc., Columbia, SC	1200	7000	10500	6	1	Initial	6	12	
							Reorder	3	2	17	19	
2	Colt Defense, West Hartford, CT	1200	3000	7200	6	2	Initial	6	11	20	31	
							Reorder	0	0	0	0	
3	FN Mfg Inc., Columbia, SC	1200	3000	4200	6		Initial	6	8	25	33	
							Reorder	3	31	7	38	
4	TBS, TBS	1200	3000	4200	6	3	Initial	6	23	14	37	
							Reorder	6	11	18	29	
							Initial					
							Reorder					

FY 12 / 13 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE M240 Medium Machine Gun (7.62mm) (G13000)										Date: February 2011								
COST ELEMENTS						Fiscal Year 12										Fiscal Year 13												
MFR	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12										Calendar Year 13										Later		
						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 U L
Hardware (Light Weight Version - M240L)																												
4	FY 11	A	452	452																								0
4	FY 11	NG	588	588																								0
4	FY 11	AR	615	615																								0
4	FY 11	TOT	1655	0	1655																	110	350	350	350	350	145	0
Total					12097	577	749	770	800	830	850	850	850	850	949	666	301	110	350	350	350	350	350	350	350	350	145	
					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 U L	A U G	S E P

  

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
1	FN Mfg Inc., Columbia, SC	1200	7000	10500	6	1	Initial	6	12	17	29
							Reorder	3	2	17	19
2	Colt Defense, West Hartford, CT	1200	3000	7200	6	2	Initial	6	11	20	31
							Reorder	0	0	0	0
3	FN Mfg Inc., Columbia, SC	1200	3000	4200	6	3	Initial	6	8	25	33
							Reorder	3	31	7	38
4	TBS, TBS	1200	3000	4200	6	4	Initial	6	23	14	37
							Reorder	6	11	18	29
							Initial				
							Reorder				

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2011

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles  
 P-1 Item Nomenclature: MACHINE GUN, CAL .50 M2 ROLL (GB2000)

Program Elements for Code B Items:			Code:		Other Related Program Elements:							
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty	17350	4230	5900	4700		4700						32180
Gross Cost	219.0	82.5	79.5	65.1		65.1						446.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	219.0	82.5	79.5	65.1		65.1						446.1
Initial Spares												
Total Proc Cost	219.0	82.5	79.5	65.1		65.1						446.1
Flyaway U/C												
Weapon System Proc U/C	0.0	0.0	0.0	0.0		0.0						0.0

**Description:**  
 The M2 machine gun is an air-cooled machine gun weapon capable of semi-automatic and automatic fire. The feed is switchable from left to right hand feed. Currently, barrels are screwed into the barrel extension and once the barrel is installed in the weapon, the headspace and timing must be checked, and if necessary adjusted, prior to firing. Quick change barrel (QCB) designs were tested and will be incorporated into production buys starting in FY2010 which will eliminate the need for adjusting headspace and timing at the operator level. This weapon (M2A1) can be used effectively against light armored vehicles. The M2/M2A1 machine gun when employed as a ground mounted weapon uses the M3 Tripod, MK-56 (MOD 0) Navy Mount, MK93 MOD 2 mount and when vehicle installed, uses the M66 ring mount. Besides the QCB Kits, this line also funds other accessories such as the M3 Tripod, XM205 Lightweight tripod, and the MK93 MOD 2 Mount.

**Justification:**  
 FY 12 Base procurement dollars in the amount of \$65.102 million support the Active Army, National Guard and Reserve, by purchasing 4,700 M2A1 Machine Guns to alleviate a critical shortage of serviceable machine guns for our Soldiers who are participating in Operation Enduring Freedom. Inventories of the weapon in the depots have been severely depleted. This request is based on deficiencies identified from on-going combat operations in Afghanistan.

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature MACHINE GUN, CAL .50 M-2 FLEX (G10900)
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Program Elements for Code B Items:			Code: A		Other Related Program Elements:							
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty	17350	4230	5900	4700		4700						32180
Gross Cost	219.0	82.5	79.5	65.1		65.1						446.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	219.0	82.5	79.5	65.1		65.1						446.1
Initial Spares												
Total Proc Cost	219.0	82.5	79.5	65.1		65.1						446.1
Flyaway U/C												
Weapon System Proc U/C	0.0	0.0	0.0	0.0		0.0						0.0

P-40 Breakdown										
Area		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016
Active	Qty	3715	3503	3016	0	3016	0	0	0	0
	Gross Cost	75609.0	47209.0	34532.0	0.0	34532.0	0.0	0.0	0.0	0.0
National Guard	Qty	169	1793	933	0	933	0	0	0	0
	Gross Cost	2256.0	24164.0	20390.0	0.0	20390.0	0.0	0.0	0.0	0.0
Reserve	Qty	346	604	751	0	751	0	0	0	0
	Gross Cost	4626.0	8123.0	10180.0	0.0	10180.0	0.0	0.0	0.0	0.0
Total	Qty	4230	5900	4700	0	4700	0	0	0	0
	Gross Cost	82491	79496	65102	0	65102	0	0	0	0

**Description:**  
The M2 machine gun is an air-cooled machine gun weapon capable of semi-automatic and automatic fire. The feed is switchable from left to right hand feed. Currently, barrels are screwed into the barrel extension and once the barrel is installed in the weapon, the headspace and timing must be checked, and if necessary adjusted, prior to firing. Quick change barrel (QCB) designs were tested and will be incorporated into production buys starting in FY2010 which will eliminate the need for adjusting headspace and timing at the operator level. This weapon (M2A1) can be used effectively against light armored vehicles. The M2/M2A1 machine gun when employed as a ground mounted weapon uses the M3 Tripod, MK-56 (MOD 0) Navy Mount, MK93 MOD 2 mount and when vehicle installed, uses the M66 ring mount. Besides the QCB Kits, this line also funds other accessories such as the M3 Tripod, XM205 Lightweight tripod, and the MK93 MOD 2 Mount.

**Justification:**  
FY 12 Base procurement dollars in the amount of \$65.102 million support the Active Army, National Guard and Reserve, by purchasing 4,700 M2A1 Machine Guns to alleviate a critical shortage of serviceable machine guns for our Soldiers who are participating in Operation Enduring Freedom. Inventories of the weapon in the depots have been severely depleted. This request is based on deficiencies identified from on-going combat operations in Afghanistan.

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature MACHINE GUN, CAL .50 M-2 FLEX (G10900)
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Program Elements for Code B Items:	Code: A	Other Related Program Elements:
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IAW Section 1815 of the FY08 NDAA this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: MACHINE GUN, CAL .50 M-2 FLEX (G10900)	Weapon System Type:	Date: February 2011
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WTCV Cost Elements	ID CD	FY 10			FY 11			FY 12 Base			FY 12 OCO			FY 12 Total		
		Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
1. Hardware																
M2 Systems	A	68105	4230	16.1	66121	5900	11.2	52640	4700	11.2				52640	4700	11.2
MK93 Mounts		11518	5759	2.0	11800	5900	2.0	9400	4700	2.0				9400	4700	2.0
XM205 Lightweight Tripod					612	161	3.8	274	72	3.8				274	72	3.8
2. Production Engineering		1500			438			1407						1407		
3. Integrated Logistics Support		100			100			200						200		
4. Fielding		300			150			497						497		
5. First Destination Transportation		325			100			300						300		
6. Engineering Studies		643			175			384						384		
<b>Total:</b>		<b>82491</b>			<b>79496</b>			<b>65102</b>						<b>65102</b>		

<b>Exhibit P-5a, Budget Procurement History and Planning</b>	Date: February 2011
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Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles	Weapon System Type:	P-1 Line Item Nomenclature: MACHINE GUN, CAL .50 M-2 FLEX (G10900)
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WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>M2 Systems</b>										
FY 2010	Gen Dyn-Armament & Tech Prod Burlington, VT	C / FFP	TACOM, Warren, MI	Aug 10	Feb 12	4230	16.1			
FY 2011	TBS TBS	C / FFP	TACOM, Warren, MI	Mar 11	Dec 12	5900	11.2	YES		
FY 2012	TBS TBS	C / FFP	TACOM, Warren, MI	Mar 12	Jan 14	4700	11.2	YES		

REMARKS: We have two IDIQ producers, General Dynamics and US Ordnance, who will compete for quantity awards (FY 2010 through FY 2012).

COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												Later
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

M2 Systems																														
1	FY 08 &P	TOT	7023	4647	2376	198	198	198	198	198	198	198	198	198	198												0			
1	FY 09	TOT	7568	0	7568															567	641	651	635	651	660	660	658	600	1845	
1	FY 09	FMS	38	0	38								10	10	10	8												0		
1	FY 09	NA	284	0	284												15	60	75	75	59							0		
2	FY 10	TOT	4230	0	4230									A														4230		
2	FY 10	FMS	247	0	247																							247		
2	FY 10	NA	365	0	365																							365		
2	FY 10	AF	224	0	224																							224		
2	FY 11	A	3503	3503																								0		
2	FY 11	NG	1793	1793																								0		
2	FY 11	AR	604	604																								0		
2	FY 11	TOT	5900	0	5900																				A			5900		
2	FY 11	MC	110	0	110																							110		
2	FY 11	AF	10	0	10																							10		
2	FY 11	NA	228	0	228																							228		
2	FY 12	A	3016	3016																								0		
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
1	Gen Dyn-Armament & Tech Prod, Burlington, VT	300	4800	8400	9	1	3	5	15	20	
							3	5	10	15	
2	TBS, TBS	300	4800	9276		2	5	5	22	27	
							5	5	22	27	

FY 10 / 11 BUDGET PRODUCTION SCHEDULE						P-1 ITEM NOMENCLATURE MACHINE GUN, CAL .50 M-2 FLEX (G10900)										Date: February 2011															
COST ELEMENTS						Fiscal Year 10										Fiscal Year 11															
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10										Calendar Year 11										Later					
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY		JUN	JUL	AUG	SEP	
M2 Systems																															
2	FY 12	NG	933	933																								0			
2	FY 12	AR	751	751																								0			
2	FY 12	TOT	4700	0	4700																							4700			
Total						26280	198	198	198	198	198	198	198	198	198	208	208	208	23	60	75	642	700	651	635	651	660	660	658	600	17859
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		

  

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Gen Dyn-Armament & Tech Prod, Burlington, VT	300	4800	8400	9	1	Initial	3	5	15	20	
							Reorder	3	5	10	15	
2	TBS, TBS	300	4800	9276		2	Initial	5	5	22	27	
							Reorder	5	5	22	27	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

COST ELEMENTS						Fiscal Year 12												Fiscal Year 13												Later
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12												Calendar Year 13												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

M2 Systems																													
1	FY 08 &P	TOT	7023	7023																								0	
1	FY 09	TOT	7568	5723	1845	650	650	545																					0
1	FY 09	FMS	38	38																									0
1	FY 09	NA	284	284																									0
2	FY 10	TOT	4230	0	4230				373	373	373	373	373	373	373	373	126	373	373	374									0
2	FY 10	FMS	247	0	247												247												0
2	FY 10	NA	365	0	365	41	50	50	74	75	75																		0
2	FY 10	AF	224	0	224							37	37	37	37	38	38												0
2	FY 11	A	3503	3503																									0
2	FY 11	NG	1793	1793																									0
2	FY 11	AR	604	604																									0
2	FY 11	TOT	5900	0	5900													400	500	500	500	500	500	500	500	500	500	500	1000
2	FY 11	MC	110	0	110																								110
2	FY 11	AF	10	0	10																								10
2	FY 11	NA	228	0	228																								228
2	FY 12	A	3016	3016																									0
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS		
		MIN	1-8-5	MAX			1	Initial				3	5
1	Gen Dyn-Armament & Tech Prod, Burlington, VT	300	4800	8400	9	1	Initial	3	5	15	20		
							Reorder	3	5	10	15		
2	TBS, TBS	300	4800	9276		2	Initial	5	5	22	27		
							Reorder	5	5	22	27		
							Initial						
							Reorder						
							Initial						
							Reorder						
							Initial						
							Reorder						

FY 12 / 13 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE MACHINE GUN, CAL .50 M-2 FLEX (G10900)										Date: February 2011									
COST ELEMENTS					Fiscal Year 12										Fiscal Year 13										Later				
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12										Calendar Year 13													
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR		MAY	JUN	JUL	AUG
M2 Systems																													
2	FY 12	NG	933	933																								0	
2	FY 12	AR	751	751																								0	
2	FY 12	TOT	4700	0	4700					A																		4700	
Total					17859	691	700	595	74	448	448	410	410	410	410	411	411	373	373	773	874	500	500	500	500	500	500	500	6048
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

  

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Gen Dyn-Armament & Tech Prod, Burlington, VT	300	4800	8400	9	1	Initial	3	5	15	20	
							Reorder	3	5	10	15	
2	TBS, TBS	300	4800	9276		2	Initial	5	5	22	27	
							Reorder	5	5	22	27	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

COST ELEMENTS						Fiscal Year 14												Fiscal Year 15												Later
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 14												Calendar Year 15												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

M2 Systems																												
1	FY 08 &P	TOT	7023	7023																								0
1	FY 09	TOT	7568	7568																								0
1	FY 09	FMS	38	38																								0
1	FY 09	NA	284	284																								0
2	FY 10	TOT	4230	4230																								0
2	FY 10	FMS	247	247																								0
2	FY 10	NA	365	365																								0
2	FY 10	AF	224	224																								0
2	FY 11	A	3503	3503																								0
2	FY 11	NG	1793	1793																								0
2	FY 11	AR	604	604																								0
2	FY 11	TOT	5900	4900	1000	500	500																					0
2	FY 11	MC	110	0	110			110																				0
2	FY 11	AF	10	0	10			10																				0
2	FY 11	NA	228	0	228			228																				0
2	FY 12	A	3016	3016																								0

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS		
		MIN	1-8-5	MAX			1	Initial				Prior 1 Oct	
												After 1 Oct	After 1 Oct
1	Gen Dyn-Armament & Tech Prod, Burlington, VT	300	4800	8400	9	1	Initial	3	5	15	20		
							Reorder	3	5	10	15		
2	TBS, TBS	300	4800	9276		2	Initial	5	5	22	27		
							Reorder	5	5	22	27		
							Initial						
							Reorder						
							Initial						
							Reorder						
							Initial						
							Reorder						



<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature LIGHTWEIGHT .50 CALIBER MACHINE GUN (G12800)
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Program Elements for Code B Items: 0604601A Infantry Support Weapons	Code: B	Other Related Program Elements:
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	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty			350	700	118	818	510	980	980	1000		4638
Gross Cost		1.0	18.9	28.8	5.4	34.2	19.0	33.2	31.5	32.1		169.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1		1.0	18.9	28.8	5.4	34.2	19.0	33.2	31.5	32.1		169.9
Initial Spares												
Total Proc Cost		1.0	18.9	28.8	5.4	34.2	19.0	33.2	31.5	32.1		169.9
Flyaway U/C												
Weapon System Proc U/C				0.0		0.0	0.0	0.0	0.0	0.0		0.0

P-40 Breakdown											
Area		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	
Active	Qty	0	260	517	118	635	375	718	716	633	
	Gross Cost	974.0	14066.0	21310.0	5427.0	26737.0	13927.0	24326.0	23039.0	19209.0	
National Guard	Qty	0	90	183	0	183	135	262	264	367	
	Gross Cost	0.0	4875.0	7486.0	0.0	7486.0	5039.0	8881.0	8501.0	12860.0	
Reserve	Qty	0	0	0	0	0	0	0	0	0	
	Gross Cost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Total	Qty	0	350	700	118	818	510	980	980	1000	
	Gross Cost	974	18941	28796	5427	34223	18966	33207	31540	32069	

**Description:**  
The Lightweight .50 Caliber (Cal) Machine Gun (MG)system (to include the XM205 Tripod) will meet the U.S. Army requirement for a Lightweight Enhanced .50 Caliber MG. This weapon will enable the Soldier to effectively suppress and incapacitate exposed personnel targets out to 2,000 meters and provide the capability to defeat lightly armored vehicles out to 1,500 meters. Successful development of the new Lightweight .50 Cal MG will increase the warfighter's lethality while significantly reducing tactical load and supportability costs. By augmenting the 75-year-old M2 Machine Gun, the Army achieves significant reductions in weight and recoil force. The new Lightweight .50 Cal MG is 50% of the weight of the M2 with a recoil reduction of 60%. Safety will be improved by eliminating manual adjustment of headspace and timing. This line also funds other accessories such as the Multiple Integrated Laser Engagement System (MILES), Engagement Skills Trainer 2000 (EST 2000), Blank Ammunition Firing Adapter, and weapon cradle.

**Justification:**  
FY12 Base procurement dollars in the amount of \$28.796 million supports the Active Army and National Guard and will procure 700 Lightweight .50 Caliber Machine Gun systems (to include the XM205 Tripod). This weapon will enable the Soldier to effectively suppress and incapacitate exposed personnel targets out to 2,000 meters and provide the capability to defeat lightly armored

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date:
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February 2011

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature LIGHTWEIGHT .50 CALIBER MACHINE GUN (G12800)
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Program Elements for Code B Items: 0604601A Infantry Support Weapons	Code: B	Other Related Program Elements:
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vehicles out to 1,500 meters.

FY12 OCO procurement dollars in the amount of \$5.427 million supports the Active Army and will procure 118 Lightweight .50 Caliber Machine Gun systems (to include the XM205 Tripod). The new Lightweight .50 Cal MG is 50% of the weight of the M2 with a recoil reduction of 60%. Safety will be improved by eliminating manual adjustment of headspace and timing.

IAW Section 1815 of the FY08 NDAA this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles		P-1 Line Item Nomenclature: LIGHTWEIGHT .50 CALIBER MACHINE GUN (G12800)			Weapon System Type:			Date: February 2011		

WTCV Cost Elements	ID CD	FY 10			FY 11			FY 12 Base			FY 12 OCO			FY 12 Total		
		Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
1. Materials Barrels/ Receiver Housing		500	400	1.0												
2. Lightweight .50 Cal Machine Gun Sys					17355	350	49.6	24905	700	35.6	5406	118	45.8	30311	818	37.1
3. MILES								2000	1000	2.0				2000	1000	2.0
4. EST 2000								800	40	20.0				800	40	20.0
5. Engineering Support		474			946			499			21			520		
6. Integrated Logistics Support					200			100						100		
7. New Equipment Training					100			100						100		
8. Total Package Fielding					190			200						200		
9. First Destination Transportation					150			192						192		
<b>Total:</b>		<b>974</b>			<b>18941</b>			<b>28796</b>			<b>5427</b>			<b>34223</b>		

<b>Exhibit P-5a, Budget Procurement History and Planning</b>	Date: February 2011
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Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles	Weapon System Type:	P-1 Line Item Nomenclature: LIGHTWEIGHT .50 CALIBER MACHINE GUN (G12800)
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WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1. Materials Barrels/ Receiver Housing</b> FY 2010	Gen Dyn and Tech Prod (GDATP) Burlington	SS / FFP	JM&L,LCMC,Picatiny, NJ	Oct 11	Apr 12	400	1.0			
<b>2. Lightweight .50 Cal Machine Gun Sys</b> FY 2011	Gen Dyn and Tech Prod (GDATP) Burlington	SS / FFP	JM&L,LCMC,Picatiny, NJ	Mar 11	Dec 11	350	49.6	NO	Apr 11	
FY 2012	Gen Dyn and Tech Prod (GDATP) Burlington	SS / FFP	JM&L,LCMC,Picatiny, NJ	Mar 12	Jul 13	818	37.9	NO	Apr 11	

REMARKS: The Prime Manufacturer (GDATP) is purchasing materials to fabricate the Barrels/Receiver in house.

**FY 10 / 11 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
LIGHTWEIGHT .50 CALIBER MACHINE GUN (G12800)

Date:  
February 2011

COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												Later
MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

2. Lightweight .50 Cal Machine Gun Sys																													
1	FY 11	A	260	260																								0	
1	FY 11	NG	90	90																								0	
1	FY 11	TOT	350	0	350																					A		350	
1	FY 12	A	635	635																								0	
1	FY 12	NG	183	183																								0	
1	FY 12	TOT	818	0	818																							818	
Total					1168																							1168	
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Gen Dyn and Tech Prod (GDATP), Burlington	300	2400	4800	9	1	Initial	5	5	10	15	
							Reorder	5	5	17	22	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

**FY 12 / 13 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
LIGHTWEIGHT .50 CALIBER MACHINE GUN (G12800)

Date:  
February 2011

COST ELEMENTS						Fiscal Year 12												Fiscal Year 13												Later
MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12												Calendar Year 13												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

2. Lightweight .50 Cal Machine Gun Sys																														
1	FY 11	A	260	260																								0		
1	FY 11	NG	90	90																								0		
1	FY 11	TOT	350	0	350			15	15	15	30	30	35	35	35	35	35	35										0		
1	FY 12	A	635	635																								0		
1	FY 12	NG	183	183																								0		
1	FY 12	TOT	818	0	818						A															20	20	20	758	
Total					1168			15	15	15	30	30	35	35	35	35	35	35									20	20	20	758

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Gen Dyn and Tech Prod (GDATP), Burlington	300	2400	4800	9	1	Initial	5	5	10	15	
							Reorder	5	5	17	22	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					



<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature M249 SAW Machine Gun (5.56mm) (G12900)
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Program Elements for Code B Items:			Code: A		Other Related Program Elements:							
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty	117547											117547
Gross Cost	373.1	2.5										375.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	373.1	2.5										375.6
Initial Spares												
Total Proc Cost	373.1	2.5										375.6
Flyaway U/C												
Weapon System Proc U/C	0.0	0.0										0.0

P-40 Breakdown										
Area		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016
Active	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	842.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Guard	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	842.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reserve	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	842.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	2526	0	0	0	0	0	0	0	0

**Description:**  
The M249 Squad Automatic Weapon (M249 SAW) is a lightweight (22 pounds with 200 rounds of ammunition) 5.56MM, one-man operated weapon capable of delivering a sustained volume of automatic, accurate, and lethal fire at ranges of up to 800 meters. The M249 SAW replaces two automatic M16A1 rifles in a rifle squad on a one-on-one basis in all infantry type units and in other units requiring high firepower. The M249 SAW also fills a secondary role as a light machine gun replacing most of the M60 Machine Guns. The Army M249 SAW configuration was changed in October 1989 to include a spare barrel, additional heat shield, and barrel bag.

**Justification:**  
FY12 has no funding.

IAW Section 1815 of the FY08 NDAA this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: M249 SAW Machine Gun (5.56mm) (G12900)	Weapon System Type:	Date: February 2011
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WTCV Cost Elements	ID	FY 10			FY 11			FY 12 Base			FY 12 OCO			FY 12 Total		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
1. M249 SAW Weapon																
2. Machine Barrel Case		999	10152	0.1												
3. Engineering Support		1087														
4. Integrated Logistics Support (ILS)		200														
5. Total Package Fielding (TPF)		200														
6. First Destination Transportation (FDT)		40														
<b>Total:</b>		<b>2526</b>														



**FY 10 / 11 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
M249 SAW Machine Gun (5.56mm) (G12900)

Date:  
February 2011

COST ELEMENTS						Fiscal Year 10										Fiscal Year 11										Later				
MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10										Calendar Year 11														
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY		JUN	JUL	AUG	SEP
1. M249 SAW Weapon																														
1	FY 09 P	A	16020	5951	10069	750	750	750	750	750	750	419					60	61	61	63	59	108	250	250	250	250	86	91	3561	
1	FY 09	FMS	8489	0	8489							152	500	500	500	500	500	440	439	439	437	441	392	250	250	250	250	414	409	1426
Total						18558	750	750	750	750	750	750	571	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	4987
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR 1	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	FN Mfg Inc, Columbia SC	1500	4000	9000	18	1	Initial	3	9	10	19	
							Reorder	3	12	7	19	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

**FY 12 / 13 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
M249 SAW Machine Gun (5.56mm) (G12900)

Date:  
February 2011

COST ELEMENTS						Fiscal Year 12												Fiscal Year 13												Later	
MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12												Calendar Year 13													
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1. M249 SAW Weapon																															
1	FY 09 P	A	16020	12459	3561	250	250	304	500	500	500	500	500	257																0	
1	FY 09	FMS	8489	7063	1426	409	250	250	100	100				317																0	
Total						4987	659	500	554	600	600	500	500	500	574																
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR 1	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	FN Mfg Inc, Columbia SC	1500	4000	9000	18	1	Initial	3	9	10	19	
							Reorder	3	12	7	19	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature MK-19 Grenade Machine Gun (40mm) (G13400)
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Program Elements for Code B Items:			Code: A		Other Related Program Elements:							
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty	31283		238									31521
Gross Cost	536.9	7.7	4.5									549.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	536.9	7.7	4.5									549.1
Initial Spares												
Total Proc Cost	536.9	7.7	4.5									549.1
Flyaway U/C												
Weapon System Proc U/C	0.0		0.0									0.0

<b>P-40 Breakdown</b>										
Area		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016
Active	Qty	0	75	0	0	0	0	0	0	0
	Gross Cost	1393.0	1412.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Guard	Qty	0	55	0	0	0	0	0	0	0
	Gross Cost	3533.0	1031.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reserve	Qty	0	108	0	0	0	0	0	0	0
	Gross Cost	2750.0	2022.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	Qty	0	238	0	0	0	0	0	0	0
	Gross Cost	7676	4465	0	0	0	0	0	0	0

**Description:**  
The MK-19, Mod 3 is a self-powered, air-cooled, 40mm automatic Grenade Machine Gun capable of a cyclic rate of 325-375 rounds per minute. It will engage point targets up to 1,500 meters and provide suppressive fire up to 2,200 meters. The MK-19 is fielded with the MK93 mount. The weapon will be mounted on select Stryker vehicles, High Mobility Multi-Purpose Wheeled Vehicles (HMMWVs), the M113 Armored Personnel Carrier family of vehicles, M88A1 Recovery Vehicle and Mine Resistant Ambush Protected (MRAP) vehicles. During static defensive operations it will be ground employed utilizing the M3 or XM205 Tripod Mount. Also provides other ancillary equipment such as the M3 Tripod and improved sighting systems.

**Justification:**  
FY12 has no funding.

IAW Section 1815 of the FY08 NDAA this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles		P-1 Line Item Nomenclature: MK-19 Grenade Machine Gun (40mm) (G13400)			Weapon System Type:			Date: February 2011		

WTCV Cost Elements	ID CD	FY 10			FY 11			FY 12 Base			FY 12 OCO			FY 12 Total		
		Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
1. MK-19 Hardware	A				3332	238	14.0									
2. M3 Tripods		4870														
3. GFM-Mounts		926			640											
4. Arms Rack		391			50											
5. Engineering Support		684			218											
6. Integrated Logistics Support (ILS)		45			75											
7. Fielding		50			75											
8. First Destination Transportation		143			75											
9. Testing		567														
<b>Total:</b>		<b>7676</b>			<b>4465</b>											

<b>Exhibit P-5a, Budget Procurement History and Planning</b>	Date: February 2011
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Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles	Weapon System Type:	P-1 Line Item Nomenclature: MK-19 Grenade Machine Gun (40mm) (G13400)
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WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1. MK-19 Hardware</b>										
FY 2009	Gen Dyn Arm Tech Prod Saco, Maine	C / IDIQ	JML LCMC,Picatinny,NJ	Mar 09	Apr 11	976	14.5	YES		
FY 2011	TBS TBS	C / IDIQ	JML LCMC,Picatinny,NJ	Mar 11	Apr 12	238	14.0	YES		

REMARKS: FY11 quantity to be awarded via a new competitive procurement.

FY 10 / 11 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE MK-19 Grenade Machine Gun (40mm) (G13400)										Date: February 2011										
COST ELEMENTS						Fiscal Year 10										Fiscal Year 11														
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10										Calendar Year 11										Later				
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY		JUN	JUL	AUG	SEP
1. MK-19 Hardware																														
1	FY 09 P	A	8322	2078	6244	212	290	298	290	268	264	226	175	175	118	100	125	150	150	175	200	208	219	225	225	225	275	300	275	1076
2	FY 09 P	A	1483	0	1483							25	36	50	75	100	125	150	125	125	44	50	50	69	70	55	48	50	20	216
2	FY 09 P	FMS	1861	233	1628													25	25	106	100	100	81	80	95	102	100	130	684	
3	FY 11	A	75	75																										0
3	FY 11	NG	55	55																										0
3	FY 11	AR	108	108																										0
3	FY 11	TOT	238	0	238																	A								238
Total																														
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
							1	Initial				
1	Gen Dyn Arm Tech Prod, Saco, Maine	600	2400	3600	18	1	Initial	4	5	26	31	
							Reorder	4	5	26	31	
2	Alliant Tech Systems, Mesa, AZ	600	2880	3960	18	2	Initial	4	5	26	31	
							Reorder	4	5	26	31	
3	TBS, TBS	600	2880	3960	18	3	Initial	4	10	21	31	
							Reorder	4	5	17	22	
							Initial					
							Reorder					
							Initial					
							Reorder					

COST ELEMENTS						Fiscal Year 12												Fiscal Year 13												Later
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12												Calendar Year 13												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

1. MK-19 Hardware																															
1	FY 09 P	A	8322	7246	1076	250	300	225	301																						0
2	FY 09 P	A	1483	1267	216	42	20	48	50	50	6																			0	
2	FY 09 P	FMS	1861	1177	684	108	130	102	100	100	144																			0	
3	FY 11	A	75	75																											0
3	FY 11	NG	55	55																											0
3	FY 11	AR	108	108																											0
3	FY 11	TOT	238	0	238							154	84																	0	
					2214	400	450	375	451	150	150	154	84																		
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
				Initial			Reorder				
1	Gen Dyn Arm Tech Prod, Saco, Maine	600	2400	3600	18	1	4	5	26	31	
2	Alliant Tech Systems, Mesa, AZ	600	2880	3960	18	2	4	5	26	31	
3	TBS, TBS	600	2880	3960	18	3	4	10	21	31	
							4	5	17	22	
							Initial				
							Reorder				
							Initial				
							Reorder				

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2011

Appropriation / Budget Activity / Serial No:  
Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature  
Mortar Systems (G02200)

Program Elements for Code B Items:			Code:		Other Related Program Elements:							
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty	2085	315	274	70		70						2744
Gross Cost	380.4	14.7	25.7	12.5		12.5						433.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	380.4	14.7	25.7	12.5		12.5						433.3
Initial Spares												
Total Proc Cost	380.4	14.7	25.7	12.5		12.5						433.3
Flyaway U/C												
Weapon System Proc U/C	0.2	0.0	0.1	0.2		0.2						0.2

## P-40 Breakdown

Area		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016
Active	Qty	155	237	43	0	43	0	0	0	0
	Gross Cost	10043.0	20992.0	7687.0	0.0	7687.0	0.0	0.0	0.0	0.0
National Guard	Qty	160	37	27	0	27	0	0	0	0
	Gross Cost	4690.0	4690.0	4790.0	0.0	4790.0	0.0	0.0	0.0	0.0
Reserve	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	Qty	315	274	70	0	70	0	0	0	0
	Gross Cost	14733	25682	12477	0	12477	0	0	0	0

### Description:

Mortar Systems includes the production of M224, 60mm; M252, 81mm; and M120/M121, 120mm Mortar Weapon Systems and includes production of associated equipment to include procurement of the M326 Quick Stow and M1101 trailer that are used with the M120 120mm towed mortar system. The Quick Stow system enables rapid emplacement and displacement of the M120 from the M1101 Trailer.

### Justification:

FY 2012 Base procurement funding, \$12.477 million, procures 70 M224 60mm Lightweight Mortar Weapon Systems. These systems support requirements for lightweight 60mm mortars for Infantry and Stryker Brigade Combat team and Special Forces.

IAW Section 1815 of the FY08 NDAA this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

Exhibit P-5, Weapon WTCV Cost Analysis			Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles					P-1 Line Item Nomenclature: Mortar Systems (G02200)			Weapon System Type:			Date: February 2011			
WTCV Cost Elements		ID CD	FY 10			FY 11			FY 12 Base			FY 12 OCO			FY 12 Total		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>HARDWARE</b>																	
60mm Cannon Tubes			4725	315	15	2910	194	15	1120	70	16				1120	70	16
60mm Baseplates			1575	315	5	970	194	5	350	70	5				350	70	5
60mm M8A1 Baseplate			1030	206	5	2555	511	5	350	70	5				350	70	5
60mm Bipods			1575	315	5	970	194	5	350	70	5				350	70	5
60mm Basic Issue / Direct Support Tools						970	194	5	420	70	6				420	70	6
60mm Direct Lay Sight						2980	596	5	4410	735	6				4410	735	6
81mm Cannon Tubes						608	32	19									
81mm Baseplates						160	32	5									
81mm Bipods						288	32	9									
81mm Basic Issue / Direct Support Tools						448	32	14									
120mm Cannon Tubes (M120)						864	48	18									
120mm Baseplates						576	48	12									
120mm M207 Improved Bipod						5174	398	13									
120mm Basic Issue/ Direct Support Tools						528	48	11									
M326 Quick Stow																	
M67 Sight Units			1575	315	5	1370	274	5	420	70	6				420	70	6
<b>Subtotal Hardware</b>			<b>10480</b>			<b>21371</b>			<b>7420</b>						<b>7420</b>		
<b>PRODUCTION SUPPORT</b>																	
Production Engineering			2071			2089			3552						3552		
Proof and Acceptance			504			400			400						400		
Government ILS			275			357			250						250		
Staging			331			545			380						380		
Operations and New Equipment Training			562			660			475						475		
<b>Subtotal Production Support</b>			<b>3743</b>			<b>4051</b>			<b>5057</b>						<b>5057</b>		
<b>NON-RECURRING COSTS</b>																	
First Article Test (BII and Baseplates)			510			260											
<b>Subtotal Non-recurring Costs</b>			<b>510</b>			<b>260</b>											
<b>Total:</b>			<b>14733</b>			<b>25682</b>			<b>12477</b>						<b>12477</b>		

# Exhibit P-5a, Budget Procurement History and Planning

Date:  
February 2011

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: Mortar Systems (G02200)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>60mm Cannon Tubes</b>										
FY 2010	Watervliet Arsenal Watervliet, NY	PO	Watervliet Arsenal, NY	Mar 10	Mar 11	315	15	Y		
FY 2011	Watervliet Arsenal Watervliet, NY	PO	Watervliet Arsenal, NY	Mar 11	Mar 12	194	15	Y		
FY 2012	Watervliet Arsenal Watervliet, NY	PO	Watervliet Arsenal, NY	Mar 12	Mar 13	70	16	Y		
<b>60mm Baseplates</b>										
FY 2010	Arlington Machine Tool Fairfield, NJ	C / FP	Picatinny Arsenal, NJ	May 11	May 12	315	5	Y		
FY 2011	Arlington Machine Tool Fairfield, NJ	C / FP	Picatinny Arsenal, NJ	May 11	Dec 12	194	5	Y		
FY 2012	Arlington Machine Tool Fairfield, NJ	C / FP	Picatinny Arsenal, NJ	Mar 12	Mar 13	70	5	Y		
<b>60mm M8A1 Baseplate</b>										
FY 2010	Watervliet Arsenal Watervliet, NY	PO	Watervliet Arsenal, NY	Jun 10	Jun 11	206	5	N		
FY 2011	Watervliet Arsenal Watervliet, NY	PO	Watervliet Arsenal, NY	Mar 11	Mar 12	511	5	N		
FY 2012	Watervliet Arsenal Watervliet, NY	PO	Watervliet Arsenal, NY	Mar 12	Mar 13	70	5	N		
<b>60mm Bipods</b>										
FY 2010	MaTech Salisbury, MD	C / FP	Picatinny Arsenal, NJ	May 11	May 12	315	5	Y		
FY 2011	MaTech Salisbury, MD	C / FP	Picatinny Arsenal, NJ	May 11	Dec 12	194	5	Y		
FY 2012	MaTech Salisbury, MD	C / FP	Picatinny Arsenal, NJ	Mar 12	Mar 13	70	5	Y		
<b>60mm Basic Issue / Direct Support Tools</b>										
FY 2011	Savit Corporation Parsippany, NJ	C / FP	Picatinny Arsenal, NJ	Feb 11	Feb 12	194	5	Y		
FY 2012	Savit Corporation Parsippany, NJ	C / FP	Picatinny Arsenal, NJ	Jan 12	Jan 13	70	6	Y		
<b>60mm Direct Lay Sight</b>										
FY 2011	To Be Selected	C / FP	Picatinny Arsenal, NJ	Mar 11	Mar 12	596	5	Y		
FY 2012	To Be Selected	C / FP	Picatinny Arsenal, NJ	Mar 12	Mar 13	735	6	Y		

# Exhibit P-5a, Budget Procurement History and Planning

Date:  
February 2011

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: Mortar Systems (G02200)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>81mm Cannon Tubes</b> FY 2011	Watervliet Arsenal Watervliet, NY	PO	Watervliet Arsenal, NY	Mar 11	Mar 12	32	19	Y		
<b>81mm Baseplates</b> FY 2011	Arlington Machine Tool Fairfield, NJ	C / FP	Picatunny Arsenal, NJ	Mar 11	Mar 12	32	5	Y		
<b>81mm Bipods</b> FY 2011	MaTech Salisbury, MD	C / FP	Picatunny Arsenal, NJ	Mar 11	Mar 12	32	9	Y		
<b>81mm Basic Issue / Direct Support Tools</b> FY 2011	Savit Corporation Parsippany, NJ	C / FP	Picatunny Arsenal, NJ	Mar 11	Mar 12	32	14	Y		
<b>120mm Cannon Tubes (M120)</b> FY 2011	Watervliet Arsenal Watervliet, NY	PO	Watervliet Arsenal, NY	Mar 11	Mar 12	48	18	Y		
<b>120mm Baseplates</b> FY 2011	Watervliet Arsenal Watervliet, NY	PO	Watervliet Arsenal, NY	Mar 11	Mar 12	48	12	Y		
<b>120mm M207 Improved Bipod</b> FY 2011	To Be Selected	C / FP	Picatunny Arsenal, NJ	Mar 11	Mar 12	398	13	N		
<b>120mm Basic Issue/ Direct Support Tools</b> FY 2011	Savit Corporation Parsippany, NJ	C / FP	Picatunny Arsenal, NJ	Mar 11	Mar 12	48	11	Y		
<b>M67 Sight Units</b> FY 2010	Savit Corporation Parsippany, NJ	C / FP	Picatunny Arsenal, NJ	Jun 10	Jun 11	315	5	Y		
FY 2011	Savit Corporation Parsippany, NJ	C / FP	Picatunny Arsenal, NJ	Jan 11	Jan 12	274	5	Y		
FY 2012	Savit Corporation Parsippany, NJ	C / FP	Picatunny Arsenal, NJ	Jan 12	Jan 13	70	6	Y		

REMARKS:

COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												Later
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
60mm Cannon Tubes																														
1	FY 09 P	TOT	747	0	747									50	50	50	50	50	50	50	50	50	50	50	50	50	50	47	0	
2	FY 10	TOT	315	0	315						A														70	70	70	70	35	0
2	FY 11	A	157	157																									0	
2	FY 11	NG	37	37																									0	
2	FY 11	TOT	194	0	194																			A					194	
2	FY 12	A	43	43																									0	
2	FY 12	NG	27	27																									0	
2	FY 12	TOT	70	0	70																								70	
81mm Cannon Tubes																														
2	FY 11	A	32	0	32																				A				32	
120mm Cannon Tubes (M120)																														
2	FY 09 P	TOT	144	0	144	40	40	23	20	21																			0	
2	FY 11	A	48	0	48																				A				48	
Total						1550	40	40	23	20	21																		344	
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			1	Initial				Reorder
1	Dynamic Flow Form, Billerica, MA	10	150	200		1	6	9	12	21		
2	Watervliet Arsenal, Watervliet, NY	10	95	165		2	6	6	12	18		
							3	6	12	18		

FY 12 / 13 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE Mortar Systems (G02200)										Date: February 2011									
COST ELEMENTS					Fiscal Year 12										Fiscal Year 13										Later				
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12										Calendar Year 13													
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR		MAY	JUN	JUL	AUG
60mm Cannon Tubes																													
1	FY 09 P	TOT	747	747																								0	
2	FY 10	TOT	315	315																								0	
2	FY 11	A	157	157																								0	
2	FY 11	NG	37	37																								0	
2	FY 11	TOT	194	0	194					50	50	50	44															0	
2	FY 12	A	43	43																								0	
2	FY 12	NG	27	27																								0	
2	FY 12	TOT	70	0	70					A															30	30	10	0	
81mm Cannon Tubes																													
2	FY 11	A	32	0	32						32																	0	
120mm Cannon Tubes (M120)																													
2	FY 09 P	TOT	144	144																								0	
2	FY 11	A	48	0	48					20	28																	0	
Total										102	78	50	44												30	30	10		
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP

  

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Dynamic Flow Form, Billerica, MA	10	150	200		1	Initial	6	9	12	21	
							Reorder	3	9	12	21	
2	Watervliet Arsenal, Watervliet, NY	10	95	165		2	Initial	6	6	12	18	
							Reorder	3	6	12	18	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2011

Appropriation / Budget Activity / Serial No:

Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature

M107, CAL. 50, SNIPER RIFLE (G01500)

Program Elements for Code B Items:

Code:

A

Other Related Program Elements:

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty	3396											3396
Gross Cost	59.5	0.2	0.2									59.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	59.5	0.2	0.2									59.9
Initial Spares												
Total Proc Cost	59.5	0.2	0.2									59.9
Flyaway U/C												
Weapon System Proc U/C												0.0

**Description:**

The M107 is a Caliber .50 rifle with attached optics/electro-optics that supports all weather, day/night tactical dominance via rapid-fire direct fire engagements with armor penetrating, incendiary, dual-purpose ammunition. The M107 provides a man-portable, materiel destruction capability to the sniper team. With a family of ammunition, the M107 enables sniper teams to employ destructive force at greater ranges and at a high rate of fire. The M107 will also replace existing non-standard, M82A1, .50 caliber rifles in Explosive Ordnance Detachments as detonation tools. The primary mission of this rifle is to engage and defeat materiel targets at extended ranges to include parked aircraft; command, control, communications, computers, and intelligence (C4I) sites; radar sites; ammunition storage sites; petroleum, oil and lubricant facilities; and various other thin skinned (lightly armored) materiel targets out to 2,000 meters. The M107 will also be used in a counter-sniper role, taking advantage of the longer stand-off range and increased terminal effect of opposing snipers armed with smaller caliber weapons out to 1,000 meters.

**Justification:**

FY12 has no funding.

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2011

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles  
 P-1 Item Nomenclature: XM320 GRENADE LAUNCHER MODULE (GLM) (G01501)

Program Elements for Code B Items:			Code: A		Other Related Program Elements:							
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty	17971	8025	9297	2873		2873	3233	5941	6651	5589		59580
Gross Cost	66.6	29.9	38.8	12.1		12.1	13.9	25.5	28.2	22.7		237.7
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	66.6	29.9	38.8	12.1		12.1	13.9	25.5	28.2	22.7		237.7
Initial Spares												
Total Proc Cost	66.6	29.9	38.8	12.1		12.1	13.9	25.5	28.2	22.7		237.7
Flyaway U/C												
Weapon System Proc U/C	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0

**P-40 Breakdown**

Area		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016
Active	Qty	7770	9102	1693	0	1693	1908	4646	5394	4184
	Gross Cost	28768.0	37967.0	7110.0	0.0	7110.0	8203.0	19957.0	22902.0	16972.0
National Guard	Qty	144	113	950	0	950	1067	1042	1012	1131
	Gross Cost	631.0	472.0	3980.0	0.0	3980.0	4599.0	4483.0	4301.0	4593.0
Reserve	Qty	111	82	230	0	230	258	253	245	274
	Gross Cost	475.0	343.0	965.0	0.0	965.0	1114.0	1087.0	1043.0	1113.0
Total	Qty	8025	9297	2873	0	2873	3233	5941	6651	5589
	Gross Cost	29874	38782	12055	0	12055	13916	25527	28246	22678

**Description:**

The M320 Grenade Launcher Module (GLM) is a 40mm low-velocity grenade launching weapon that attaches underneath the barrel of the M4 Carbine and the M16 Rifle. The weapon will replace M203 low-velocity grenade launchers. The GLM can also be fired in a stand alone mode. M320 GLM improves on the current system with an integral day/night sighting system that provides day/night targeting capability, an open architecture that allows mounting on M16/M4 rifles and carbines, handheld laser rangefinder, and the ability to convert to a standalone system enabling an increase in modularity. The M320 GLM has a side loading unrestricted breech that allows the system to fire longer 40mm low-velocity projectiles NATO standard and non-standard rounds. The weapon is more reliable and safer using a modern double-action trigger/firing system. First round hit probability is increased with a laser rangefinder.

**Justification:**

FY12 Base procurement dollars in the amount of \$12.055 million supports the Active Army, National Guard (NG) and Army Reserves (AR) by purchasing 2,873 Grenade Launcher Modules (GLM). The GLM will provide deploying units an improved capability over the M203 Grenade Launcher and enables the Soldier to more accurately engage the enemy in daylight or total darkness with a safer, more reliable grenade launcher that reduces aiming error and increases first-round hit probability. The M320 GLM 40mm ammunition is loaded from the side providing easier access and

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date:
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February 2011

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature XM320 GRENADE LAUNCHER MODULE (GLM) (G01501)
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Program Elements for Code B Items:	Code: A	Other Related Program Elements:
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wider range of ammunition as compared to the M203 Grenade Launcher fielded in the mid 1970's.

IAW Section 1815 of the FY08 NDAA this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles		P-1 Line Item Nomenclature: XM320 GRENADE LAUNCHER MODULE (GLM) (G01501)			Weapon System Type:			Date: February 2011		

WTCV Cost Elements	ID CD	FY 10			FY 11			FY 12 Base			FY 12 OCO			FY 12 Total		
		Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
1. M320 Grenade Launcher	A	16676	8025	2.1	23344	9297	2.5	6334	2873	2.2				6334	2873	2.2
2. Day Night Sight		9236	8025	1.2	11016	9297	1.2	2681	2000	1.3				2681	2000	1.3
3. Laser Range Finder		2527	8025	0.3	3016	9297	0.3	668	2000	0.3				668	2000	0.3
4. New DNS/LRF Combo								730	873	0.8				730	873	0.8
5. Tool Set		160	401	0.4	196	464	0.4	38	86	0.4				38	86	0.4
6. Racks		300	401	0.7	367	464	0.8	117	144	0.8				117	144	0.8
7. Engineering Support		275			285			235						235		
8. Integrated Logistics Support (ILS)		100			165			102						102		
9. Fielding		300			165			150						150		
10. New Equipment Training (NET)		300			228			200						200		
11. Tech Data Package/Data Rights								800						800		
<b>Total:</b>		<b>29874</b>			<b>38782</b>			<b>12055</b>						<b>12055</b>		

# Exhibit P-5a, Budget Procurement History and Planning

Date:  
February 2011

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: XM320 GRENADE LAUNCHER MODULE (GLM) (G01501)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1. M320 Grenade Launcher</b>										
FY 2010	Heckler & Koch Defense, Inc Ashburn, VA	SS / FFP	TACOM, Warren, MI	Dec 10	Mar 11	3959	2.1	Yes		
FY 2010	Heckler & Koch Defense, Inc Ashburn, VA	SS / FFP	TACOM, Warren, MI	Mar 11	Jun 11	4066	2.1	Yes		
FY 2011	Heckler & Koch Defense, Inc Ashburn, VA	SS / FFP	TACOM, Warren, MI	Mar 11	Jun 11	9297	2.5	Yes		
FY 2012	TBD Full Open Competition	C / FFP	TACOM, Warren, MI	Aug 12	Jan 13	2873	2.2	Yes		
<b>2. Day Night Sight</b>										
FY 2010	Insight Technology Inc Londonderry, NH	SS / FFP	TACOM, Rock Island, IL	Jun 10	Sep 10	3650	1.2	Yes		
FY 2010	Insight Technology Inc Londonderry, NH	SS / FFP	TACOM, Rock Island, IL	Mar 11	Jun 11	4375	1.2	Yes		
FY 2011	Insight Technology Inc Londonderry, NH	SS / FFP	TACOM, Rock Island, IL	Jan 11	Apr 11	9297	1.2	Yes		
FY 2012	Insight Technology Inc Londonderry, NH	C / FFP	TACOM, Warren, MI	Aug 12	Jan 13	2000	1.3	Yes		
<b>3. Laser Range Finder</b>										
FY 2010	Bushnell Sports Optics Overland Park, KS	SS / FFP	TACOM, Rock Island, IL	May 10	Aug 10	5300	0.3	Yes		
FY 2010	Bushnell Sports Optics Overland Park, KS	SS / FFP	TACOM, Rock Island, IL	Mar 11	Jun 11	2725	0.3	Yes		
FY 2011	Bushnell Sports Optics Overland Park, KS	SS / FFP	TACOM, Rock Island, IL	Jan 11	Apr 11	9297	0.3	Yes		
FY 2012	Bushnell Sports Optics Overland Park, KS	C / FFP	TACOM, Warren, MI	Aug 12	Jan 13	2000	0.3	Yes		
<b>4. New DNS/LRF Combo</b>										
FY 2012	TBD Full Open Competition	C / FFP	TBD	Aug 12	Jan 13	873	0.8	Yes		

REMARKS: The Army must procure 30,000 units from Heckler & Koch Defense and procure the Tech Data Package (TDP) prior to competition.

COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												Later
MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

1. M320 Grenade Launcher																																	
1	FY 08	A	10423	4522	5901	955	1000	1300	735	735	735	441																					0
1	FY 09	TOT	7857	0	7857							A	1300	1100	807	1100	1200	1000	700	650													0
1	FY 10	TOT	8025	0	8025															A				1300	1300	1300	400	600	600	600		1925	
1	FY 11	A	9102	9102																												0	
1	FY 11	NG	113	113																												0	
1	FY 11	AR	82	82																												0	
1	FY 11	TOT	9297	0	9297																		A				900	900	900	900		5697	
2	FY 12	A	1693	1693																												0	
2	FY 12	NG	950	950																												0	
2	FY 12	AR	230	230																												0	
2	FY 12	TOT	2873	0	2873																											2873	
<b>Total</b>																																	
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				

MFR	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX	1			Initial	After 1 Oct			
1	Heckler & Koch Defense, Inc, Ashburn, VA	3600	9000	18000	6	1	Initial	3	5	4	9	
							Reorder	3	5	4	9	
2	TBD, Full Open Competition	3600	9000	18000	6	2	Initial	3	10	6	16	
							Reorder	3	3	6	9	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

COST ELEMENTS						Fiscal Year 12										Fiscal Year 13										Later			
MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12										Calendar Year 13													
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY		JUN	JUL	AUG
1. M320 Grenade Launcher																													
1	FY 08	A	10423	10423																								0	
1	FY 09	TOT	7857	7857																								0	
1	FY 10	TOT	8025	6100	1925	500	500	735	190																			0	
1	FY 11	A	9102	9102																								0	
1	FY 11	NG	113	113																								0	
1	FY 11	AR	82	82																								0	
1	FY 11	TOT	9297	3600	5697	900	900	765	545	1500	1087																	0	
2	FY 12	A	1693	1693																								0	
2	FY 12	NG	950	950																								0	
2	FY 12	AR	230	230																								0	
2	FY 12	TOT	2873	0	2873																							0	
Total						10495	1400	1400	1500	735	1500	1087																	
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			1	Initial				After 1 Oct
1	Heckler & Koch Defense, Inc, Ashburn, VA	3600	9000	18000	6	1	3	5	4	9		
							3	5	4	9		
2	TBD, Full Open Competition	3600	9000	18000	6	2	3	10	6	16		
							3	3	6	9		

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature M110 SEMI-AUTOMATIC SNIPER SYSTEM (SASS) (G01505)
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Program Elements for Code B Items: 0604601A - Infantry Support Weapons	Code: A	Other Related Program Elements:										
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty	2488	422	155									3065
Gross Cost	33.3	6.2	5.2									44.7
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	33.3	6.2	5.2									44.7
Initial Spares												
Total Proc Cost	33.3	6.2	5.2									44.7
Flyaway U/C												
Weapon System Proc U/C	0.0	0.0	0.0									0.0

<b>P-40 Breakdown</b>										
Area		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016
Active	Qty	422	0	0	0	0	0	0	0	0
	Gross Cost	6204.0	1034.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Guard	Qty	0	155	0	0	0	0	0	0	0
	Gross Cost	0.0	4125.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reserve	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	Qty	422	155	0	0	0	0	0	0	0
	Gross Cost	6204	5159	0	0	0	0	0	0	0

**Description:**  
The M110 7.62 x 51mm Semi-Automatic Sniper System (SASS) is effective against personnel and light material targets. It supplements the sniper's role to support combat operations with greater, more responsive firepower and greater flexibility/versatility to improve sniper survivability. The M110 SASS is a rapid-fire, rapid-reload, suppressed sniper rifle that exceeds the rate-of-fire and lethality of the existing M24 Sniper Weapon System. SASS anti-personnel ranges are equal to or greater than the M24. SASS includes the M151 Enhanced Sniper Spotting Scope, Laser Filter Units, Anti Reflective Devices, Improved Buttstock, Blank Firing Adapters, and Detachable Box Magazines.

**Justification:**  
FY12 has no funding.

IAW Section 1815 of the FY08 NDAA this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles		P-1 Line Item Nomenclature: M110 SEMI-AUTOMATIC SNIPER SYSTEM (SASS) (G01505)			Weapon System Type:			Date: February 2011		

WTCV Cost Elements	ID CD	FY 10			FY 11			FY 12 Base			FY 12 OCO			FY 12 Total		
		Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
1. Hardware																
SASS Weapons	A	4928	422	11.7	1860	155	12.0									
Anti Reflection Devices (ARD)	A	100	422	0.2	76	342	0.2									
Spotting Scope Items	A	470	422	1.1	359	342	1.0									
Ancillary Items (Improved Buttstock)	B				2000	3091	0.6									
2. Shipping (GBL)		45			70											
3. Engineering Support		411			313											
4. Testing		60			57											
5. Integrated Logistics Support (ILS)		50			149											
6. New Equipment Training (NET)		88			156											
7. Total Package Fielding (TPF)		52			119											
<b>Total:</b>		<b>6204</b>			<b>5159</b>											

# Exhibit P-5a, Budget Procurement History and Planning

Date:  
February 2011

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: M110 SEMI-AUTOMATIC SNIPER SYSTEM (SASS) (G01505)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1. Hardware</b>										
<b>SASS Weapons</b>										
FY 2010	Knights Armaments Co. Titusville, FL	C / FFP	JML LCMC, Picatinny,NJ	Apr 10	Aug 10	422	11.7			
FY 2011	Knights Armaments Co. Titusville, FL	C / FFP	JML LCMC, Picatinny,NJ	Mar 11	Jul 11	155	12.0	YES		
<b>Anti Reflection Devices (ARD)</b>										
FY 2010	L3 Garland, Tx	C / FFP	TACOM-RI, Rock Island, IL	Mar 10	Jun 10	422	0.2			
FY 2011	TBD TBD	C / FFP	TACOM, Warren, MI	Mar 11	Jun 11	342	0.2	YES		
<b>Spotting Scope Items</b>										
FY 2010	Ashbury International Charlottesville, VA	C / FFP	JML LCMC, Picatinny,NJ	Mar 10	May 11	422	1.1			
FY 2011	TBD TBD	C / FFP	JML LCMC, Picatinny,NJ	Mar 11	May 11	342	1.0	YES		
<b>Ancillary Items (Improved Buttstock)</b>										
FY 2011	TBD TBD	C / FFP	TACOM, Warren, MI	Feb 11	Mar 11	3091	0.6	YES		

REMARKS:

**FY 10 / 11 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
M110 SEMI-AUTOMATIC SNIPER SYSTEM (SASS) (G01505)

Date:  
February 2011

COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												Later				
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11																
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					
1. Hardware																																		
1	FY 10	A	422	0	422													17	41	40	40	40	40	40	40	40	40	40	40	0				
1	FY 11	NG	155	0	155																							A			36	40	40	39
Total					577													17	41	40	40	40	40	40	40	40	40	40	40	40	40	39		
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Knights Armaments Co., Titusville, FL	400	2400	6000	9	1	Initial	3	6	5	11	
							Reorder	3	5	5	10	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					



<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature M4 Carbine (G14904)
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Program Elements for Code B Items:			Code: A		Other Related Program Elements:							
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty	475284	12000	11494	19409		19409	11480	36955	45567	46417		658606
Gross Cost	549.9	20.4	20.2	35.0		35.0	21.3	66.4	86.9	86.6		886.7
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	549.9	20.4	20.2	35.0		35.0	21.3	66.4	86.9	86.6		886.7
Initial Spares												
Total Proc Cost	549.9	20.4	20.2	35.0		35.0	21.3	66.4	86.9	86.6		886.7
Flyaway U/C												
Weapon System Proc U/C	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0

P-40 Breakdown										
Area		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016
Active	Qty	12000	5880	16081	0	16081	11480	36955	45567	46417
	Gross Cost	6335.0	10321.0	29861.0	0.0	29861.0	21300.0	66371.0	86925.0	86645.0
National Guard	Qty	0	3788	889	0	889	0	0	0	0
	Gross Cost	3568.0	6652.0	719.0	0.0	719.0	0.0	0.0	0.0	0.0
Reserve	Qty	0	1826	2439	0	2439	0	0	0	0
	Gross Cost	10534.0	3207.0	4435.0	0.0	4435.0	0.0	0.0	0.0	0.0
Total	Qty	12000	11494	19409	0	19409	11480	36955	45567	46417
	Gross Cost	20437	20180	35015	0	35015	21300	66371	86925	86645

**Description:**  
The M4 and M4A1 Carbine series are 5.56mm, gas-operated, air-cooled, magazine-fed, selective-rate, shoulder-fired weapon. The M4A1 has a heavier barrel to sustain automatic fire. The series is fed by a 30-round magazine and has continued to replace select M16 series rifles and select M9 pistols. It provides the individual Soldier operating in close quarters the capability to engage targets at extended ranges with accurate lethal fire. More compact than the M16 series rifle and featuring a collapsible stock, it achieves over 85% commonality with the M16A4 Rifle. The M4 carbine also includes a Combat Optic and the Modular Weapon System (MWS) which provides six (6) additional magazines, the M4 Rail Assembly System and the Back-up Iron Sight.

**Justification:**  
FY12 Base procurement dollars in the amount of \$35.015 million supports the Active Army, National Guard (NG) and Army Reserves(AR) by purchasing 19,409 M4A1 Carbines and Combat Optics. The M4 Carbine series provides Soldiers with a small, lightweight weapon that can provide better self-protection and additional firepower in close quarters and increases the lethality and operational flexibility of the Soldier with a carbine-length version of the M16 rifle. In addition, the M4A1 provides a fully automatic trigger and heavier barrel that provides an increased sustainment rate of fire allowing the Soldier to be more effective and lethal.

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date:
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February 2011

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature M4 Carbine (G14904)
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Program Elements for Code B Items:	Code: A	Other Related Program Elements:
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IAW Section 1815 of the FY08 NDAA this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: M4 Carbine (G14904)	Weapon System Type:	Date: February 2011
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WTCV Cost Elements	ID CD	FY 10			FY 11			FY 12 Base			FY 12 OCO			FY 12 Total		
		Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
1. M4 Carbine Series	A	15241	12000	1.3	15042	11494	1.3	24807	19409	1.3				24807	19409	1.3
2. Combat Optics	A	3949	12000	0.3	3927	11494	0.3	7058	19409	0.4				7058	19409	0.4
3. Engineering Support		1034			911			1480						1480		
4. Integrated Logistics Support		83			100			350						350		
4. Fielding/Transpiration		130			100			820						820		
6. Engineer Tests					100			500						500		
<b>Total:</b>		<b>20437</b>			<b>20180</b>			<b>35015</b>						<b>35015</b>		

<b>Exhibit P-5a, Budget Procurement History and Planning</b>	Date: February 2011
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Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles	Weapon System Type:	P-1 Line Item Nomenclature: M4 Carbine (G14904)
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WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1. M4 Carbine Series</b>										
FY 2010	Colt's Mfg Co. Inc Hartford, CT	SS / FFP	TACOM-RI, Rock Island, IL	Mar 10	Jun 10	12000	1.3			
FY 2011	Colt's Mfg Co. Inc Hartford, CT	SS / FFP	TACOM-RI, Rock Island	Apr 11	Apr 12	11494	1.3	Yes		
FY 2012	TBD TBD	C / FFP	TACOM WARREN, MI	Jun 12	Apr 13	19409	1.3	Yes		
<b>2. Combat Optics</b>										
FY 2010	Aimpoint Inc. Chantilly, VA	SS / FFP	JM&L LCMC, Picatinny, NJ	Mar 10	Jun 10	12000	0.3			
FY 2011	Aimpoint Inc. Chantilly, VA	SS / FFP	JM&L LCMC, Picatinny, NJ	Jun 11	Apr 12	11494	0.3	Yes		
FY 2012	Aimpoint Inc. Chantilly, VA	SS / FFP	JM&L LCMC, Picatinny, NJ	Apr 12	Apr 13	19409	0.4	Yes		

REMARKS:

COST ELEMENTS						Fiscal Year 10										Fiscal Year 11										Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10										Calendar Year 11										
						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	

1. M4 Carbine Series																																			
1	FY 08	TOT	112423	102165	10258	2952	2952	2951	1403																								0		
1	FY 08	AF	15032	859	14173							2772	2773	2273	2773	2414	1168																0		
1	FY 08	MC	17829	7368	10461							1252	4000	5000	209																		0		
1	FY 08	FMS	12771	6642	6129							1243	2500	2000	386																		0		
1	FY 09	TOT	29290	0	29290	4702	4813	4913	5424	7166	2272																						0		
1	FY 09	AF	7855	0	7855													900	882	86							2616	2301	1070				0		
1	FY 09	MC	10112	0	10112				1000	1000	1000	1000	1000	1000	725	700	700										1384	603					0		
1	FY 09	FMS	10858	0	10858	20			54		92				1410		100	6000	3182														0		
1	FY 10	TOT	12000	0	12000						A			500	500	800	200	600	1400	4500	1000	1000	1500									0			
1	FY 10	AF	9700	0	9700																						1200	1200	1200	1200	1200	1200	1200	1300	0
1	FY 10	MC	9506	0	9506									2000	500	1000	3500	6	2000	500													0		
1	FY 10	FMS	5047	0	5047														1000	1000	1000	1000	1000	1000	47								0		
1	FY 11	A	5880	5880																														0	
1	FY 11	NG	3788	3788																														0	
1	FY 11	AR	1826	1826																														0	
1	FY 11	TOT	11494	0	11494																							A						11494	
1	FY 11	AF	6087	0	6087																													6087	
1	FY 11	MC	1987	0	1987																													1987	
						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 U L	A U G	S E P						

M F R	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX	1			Initial	3				5
1	Colt's Mfg Co. Inc, Hartford, CT	12000	36000	144000	18	1	Initial	3	5	4	9		
							Reorder	3	5	4	9		
2	TBD, TBD	12000	36000	144000	18	2	Initial	3	8	11	19		
							Reorder	3	8	11	19		
							Initial						
							Reorder						
							Initial						
							Reorder						
							Initial						
							Reorder						

FY 10 / 11 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE M4 Carbine (G14904)										Date: February 2011											
COST ELEMENTS						Fiscal Year 10										Fiscal Year 11										Later					
MFR	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10										Calendar Year 11															
						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 U L	A U G	S E P	
1. M4 Carbine Series																															
1	FY 11	FMS	17104	0	17104																							17104			
2	FY 12	A	16081	16081																								0			
2	FY 12	NG	889	889																								0			
2	FY 12	AR	2439	2439																								0			
2	FY 12	TOT	19409	0	19409																							19409			
2	FY 12	AF	2551	0	2551																							2551			
2	FY 12	MC	2875	0	2875																							2875			
Total						196896	7674	7765	7864	7881	8166	8631	10273	10273	6868	5549	4568	5382	6692	6582	6000	6000	6104	4770	2200	1247	1200	1200	1200	1300	61507
						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 U L	A U G	S E P		
MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS																				
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct																							
1	Colt's Mfg Co. Inc, Hartford, CT	12000	36000	144000	18	1	Initial	3	5	4	9																				
							Reorder	3	5	4	9																				
2	TBD, TBD	12000	36000	144000	18	2	Initial	3	8	11	19																				
							Reorder	3	8	11	19																				
							Initial																								
							Reorder																								
							Initial																								
							Reorder																								
							Initial																								
							Reorder																								

COST ELEMENTS						Fiscal Year 12										Fiscal Year 13										Later
MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12										Calendar Year 13										
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	

1. M4 Carbine Series																													
1	FY 08	TOT	112423	112423																								0	
1	FY 08	AF	15032	15032																								0	
1	FY 08	MC	17829	17829																								0	
1	FY 08	FMS	12771	12771																								0	
1	FY 09	TOT	29290	29290																								0	
1	FY 09	AF	7855	7855																								0	
1	FY 09	MC	10112	10112																								0	
1	FY 09	FMS	10858	10858																								0	
1	FY 10	TOT	12000	12000																								0	
1	FY 10	AF	9700	9700																								0	
1	FY 10	MC	9506	9506																								0	
1	FY 10	FMS	5047	5047																								0	
1	FY 11	A	5880	5880																								0	
1	FY 11	NG	3788	3788																								0	
1	FY 11	AR	1826	1826																								0	
1	FY 11	TOT	11494	0	11494							957	957	957	957	957	957	1438	1438	1438	1438							0	
1	FY 11	AF	6087	0	6087							507	507	507	507	507	507	507	507	635	635	634	634					0	
1	FY 11	MC	1987	0	1987							165	337	165	165	165	165	165	165	165	165	165	165					0	

MFR	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX	1			Initial	After 1 Oct			
1	Colt's Mfg Co. Inc, Hartford, CT	12000	36000	144000	18	1	Initial	3	5	4	9	
							Reorder	3	5	4	9	
2	TBD, TBD	12000	36000	144000	18	2	Initial	3	8	11	19	
							Reorder	3	8	11	19	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					



**FY 14 / 15 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
M4 Carbine (G14904)

Date:  
February 2011

COST ELEMENTS						Fiscal Year 14										Fiscal Year 15										Later
MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 14										Calendar Year 15										
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	

1. M4 Carbine Series																												
1	FY 08	TOT	112423	112423																								0
1	FY 08	AF	15032	15032																								0
1	FY 08	MC	17829	17829																								0
1	FY 08	FMS	12771	12771																								0
1	FY 09	TOT	29290	29290																								0
1	FY 09	AF	7855	7855																								0
1	FY 09	MC	10112	10112																								0
1	FY 09	FMS	10858	10858																								0
1	FY 10	TOT	12000	12000																								0
1	FY 10	AF	9700	9700																								0
1	FY 10	MC	9506	9506																								0
1	FY 10	FMS	5047	5047																								0
1	FY 11	A	5880	5880																								0
1	FY 11	NG	3788	3788																								0
1	FY 11	AR	1826	1826																								0
1	FY 11	TOT	11494	11494																								0
1	FY 11	AF	6087	6087																								0
1	FY 11	MC	1987	1987																								0

MFR	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX	1			Initial	After 1 Oct			
1	Colt's Mfg Co. Inc, Hartford, CT	12000	36000	144000	18	1	Initial	3	5	4	9	
							Reorder	3	5	4	9	
2	TBD, TBD	12000	36000	144000	18	2	Initial	3	8	11	19	
							Reorder	3	8	11	19	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

FY 14 / 15 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE M4 Carbine (G14904)										Date: February 2011								
COST ELEMENTS						Fiscal Year 14										Fiscal Year 15										Later		
MFR	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 14										Calendar Year 15												
						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 U L
1. M4 Carbine Series																												
1	FY 11	FMS	17104	17104																								0
2	FY 12	A	16081	16081																								0
2	FY 12	NG	889	889																								0
2	FY 12	AR	2439	2439																								0
2	FY 12	TOT	19409	15700	3709	1235	1235	1239																				0
2	FY 12	AF	2551	2551																								0
2	FY 12	MC	2875	1437	1438	1438																						0
Total					5147	2673	1235	1239																				
					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 U L	A U G	S E P
MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS																	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct																				
1	Colt's Mfg Co. Inc, Hartford, CT	12000	36000	144000	18	1	Initial	3	5	4	9																	
							Reorder	3	5	4	9																	
2	TBD, TBD	12000	36000	144000	18	2	Initial	3	8	11	19																	
							Reorder	3	8	11	19																	
							Initial																					
							Reorder																					
							Initial																					
							Reorder																					
							Initial																					
							Reorder																					

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature SHOTGUN, MODULAR ACCESSORY SYSTEM (MASS) (G18300)
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Program Elements for Code B Items: 0604601A - Infantry Support Weapons	Code: B	Other Related Program Elements:										
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty	8432		3659	3038		3038	3002					18131
Gross Cost	21.6		7.2	6.7		6.7	6.5					42.0
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	21.6		7.2	6.7		6.7	6.5					42.0
Initial Spares												
Total Proc Cost	21.6		7.2	6.7		6.7	6.5					42.0
Flyaway U/C												
Weapon System Proc U/C	0.0		0.0	0.0		0.0	0.0					0.0

<b>P-40 Breakdown</b>										
Area		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016
Active	Qty	0	3595	1860	0	1860	1864	0	0	0
	Gross Cost	0.0	7028.0	4411.0	0.0	4411.0	4297.0	0.0	0.0	0.0
National Guard	Qty	0	15	1178	0	1178	1138	0	0	0
	Gross Cost	0.0	29.0	2296.0	0.0	2296.0	2217.0	0.0	0.0	0.0
Reserve	Qty	0	49	0	0	0	0	0	0	0
	Gross Cost	0.0	96.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	Qty	0	3659	3038	0	3038	3002	0	0	0
	Gross Cost	0	7153	6707	0	6707	6514	0	0	0

**Description:**  
The M26 Modular Accessory Shotgun System (MASS) is a 12 gauge shotgun that attaches underneath the barrel of the M4 Carbine. The MASS can also be fired in a standalone mode. The MASS provides the capability to fire lethal, non-lethal, and door breaching 12 gauge rounds. The MASS enables Soldiers to transition between their primary lethal weapons to a less-than-lethal capability without carrying a separate shotgun. Features include a recoil-absorbing buttstock, box magazine, flip-up sights and an extendable standoff device for door breaching. The weapon system can be zeroed to the sighting system of the host weapon for improved accuracy.

**Justification:**  
FY12 Base procurement dollars in the amount of \$6.707 million supports the Active Army and Army Reserves (AR) by purchasing 3,038 M26 Modular Accessory Shotgun Systems (MASS). The MASS will provide deploying units a critical capability in the urban environment to breach doors, engage in close quarters combat, or fire non-lethal ammunition with a 12 gauge shotgun without releasing their primary weapon. This weapon is fielded to the Infantry (2 per squad); Military Police (MP); Special Forces; Engineers and Armories. The MASS will be fielded to Afghanistan to support the war effort.

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date:
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February 2011

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature SHOTGUN, MODULAR ACCESSORY SYSTEM (MASS) (G18300)
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Program Elements for Code B Items: 0604601A - Infantry Support Weapons	Code: B	Other Related Program Elements:
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IAW Section 1815 of the FY08 NDAA this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: SHOTGUN, MODULAR ACCESSORY SYSTEM (MASS) (G18300)	Weapon System Type:	Date: February 2011
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WTCV Cost Elements	ID CD	FY 10			FY 11			FY 12 Base			FY 12 OCO			FY 12 Total		
		Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
1. Shotguns	B				6684	3659	1.8	6219	3038	2.0				6219	3038	2.0
2. Racks					282	366	0.8	100	122	0.8				100	122	0.8
3. Engineering Support					121			251						251		
4. Integrated Logistics Support					22			45						45		
5. Fielding					22			46						46		
6. New Equipment Training (NET)					22			46						46		
<b>Total:</b>					<b>7153</b>			<b>6707</b>						<b>6707</b>		

# Exhibit P-5a, Budget Procurement History and Planning

Date:  
February 2011

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: SHOTGUN, MODULAR ACCESSORY SYSTEM (MASS) (G18300)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1. Shotguns</b>										
FY 2008	Vertu Corporation Warrenton VA	SS / FFP	JM&L LCMC, Picatinny, N.J.	Mar 10	Feb 11	1900	1.9			
FY 2009	Vertu Corporation Warrenton VA	SS / FFP	JM&L LCMC, Picatinny, NJ	Apr 11	Jul 11	4373	1.9			
FY 2011	Vertu Corporation Warrenton VA	SS / FFP	JM&L LCMC, Picatinny, NJ	Jun 11	Mar 12	3659	1.8	Yes		
FY 2012	Vertu Corporation Warrenton VA	SS / FFP	JM&L LCMC, Picatinny, NJ	Mar 12	Nov 12	3038	2.0	Yes		

REMARKS: Full Rate Production (FRP) contract award planned April 2011.



COST ELEMENTS						Fiscal Year 12												Fiscal Year 13												Later
MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12												Calendar Year 13												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

1. Shotguns																																	
1	FY 08	TOT	1900	1900																													0
1	FY 09	TOT	4373	1500	2873	500	500	500	500	500	373																						0
1	FY 11	A	3595	3595																													0
1	FY 11	NG	15	15																													0
1	FY 11	AR	49	49																													0
1	FY 11	TOT	3659	0	3659					127	500	500	500	500	500	500	32																0
1	FY 12	A	1860	1860																													0
1	FY 12	NG	1178	1178																													0
1	FY 12	AR	0	0																													0
1	FY 12	TOT	3038	0	3038						A							468	500	500	500	500	500	70								0	
Total					9570	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	70									
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			1	Initial				After 1 Oct
1	Vertu Corporation, Warrenton VA	1000	6000	7610	6	1	8	10	9	19		
							3	5	9	14		

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2011

Appropriation / Budget Activity / Serial No:  
Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature  
Common Remotely Operated Weapons Station (CROWS) (G04700)

Program Elements for Code B Items:  
0604601A - Infantry Support Weapons

Code:  
B

Other Related Program Elements:

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty	5255	2284	425		64	64		239	239	239		8745
Gross Cost	1341.0	552.4	100.0		14.9	14.9		56.2	56.2	56.2		2176.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	1341.0	552.4	100.0		14.9	14.9		56.2	56.2	56.2		2176.8
Initial Spares												
Total Proc Cost	1341.0	552.4	100.0		14.9	14.9		56.2	56.2	56.2		2176.8
Flyaway U/C												
Weapon System Proc U/C	0.3	0.2	0.2		0.2	0.2		0.2	0.2	0.2		0.2

**Description:**

The Common Remotely Operated Weapon Station (CROWS) is an integrated system that provides the capability to remotely operate all standard U.S. Army machine guns (i.e., M2 Heavy Barrel Machine Guns, MK-19 Grenade Machine Guns, M240B Medium Machine Guns and M249 Squad Automatic Weapons) on an Up-Armored High Mobility Multi-Purpose Wheeled Vehicle (HMMWV) and a variety of other vehicles. The CROWS system includes a three axis stabilized mount, a sensor suite with fire control software, and a vehicle integration kit. Planned product improvements underway include integration with other vehicles including the M1A2 Main Battle Tank, the M93 FOX Recon Vehicle, and various Mine Resistant Ambush Protection (MRAP) vehicles. CROWS permits the gunner to manipulate the sight and weapon from under armor using a hand controller and a flat panel display. Missions can be carried out under conditions of varying visibility via the day camera or thermal camera. The laser range finder and three-axis stabilization allows for accurate fire on the move.

**Justification:**

FY12 Overseas Contingency Operations (OCO) procurement dollars in the amount of \$14.890 million supports the Active Army by purchasing 64 CROWS systems to execute the OCO by resetting items, replacing battle losses, generating and protecting forces and enhancing military capabilities. FY12 current Operation Enduring Freedom (OEF) operations acquire full CROWS system losses approximately 1% per year, which equates to the approximate 64 systems at the fielded quantity of 6,627.

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: Common Remotely Operated Weapons Station (CROWS) (G04700)	Weapon System Type:	Date: February 2011
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WTCV Cost Elements	ID CD	FY 10			FY 11			FY 12 Base			FY 12 OCO			FY 12 Total		
		Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
<b>Hardware</b>																
CROWS system	B	508044	2284	222	85000	425	200				12800	64	200	12800	64	200
Vehicle Integration Kit																
Trainers																
Engineering Support		9500			3131						426			426		
Integrated Logistics Support		5500			1223						182			182		
Total Package Fielding		6500			1858						252			252		
Contractor Field Service Representatives		2562			1639						219			219		
Production Verification Test		1000														
First Destination Transportation		1111			42						6			6		
Spares/Repair Parts		16153			6107						856			856		
New Equipment Training		2000			1000						149			149		
<b>Total:</b>		<b>552370</b>		<b>242</b>	<b>100000</b>		<b>235</b>				<b>14890</b>		<b>233</b>	<b>14890</b>		<b>233</b>

# Exhibit P-5a, Budget Procurement History and Planning

Date:  
February 2011

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	P-1 Line Item Nomenclature: Common Remotely Operated Weapons Station (CROWS) (G04700)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>CROWS system</b>										
FY 2010	Kongsberg Aerospace Johnstown, PA	C / FFP	TACOM-Picatinny, Picatinny,NJ	Dec 09	Oct 10	64	214			
FY 2010	Kongsberg Aerospace Johnstown, PA	C / FFP	TACOM-Picatinny, Picatinny,NJ	Apr 10	Oct 10	2220	214			
FY 2011	Kongsberg Aerospace Johnstown, PA	SS / FFP	TACOM-Picatinny, Picatinny,NJ	Jun 11	Oct 11	425	200	Yes		
FY 2012	TBS TBS	C / FFP	TACOM-Picatinny, Picatinny,NJ	Aug 12	Jan 13	64	200	Yes		

REMARKS: Government Purpose License Rights and the Technical Data Package (TDP) are required to conduct a full and open competition.

COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												Later
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

CROWS system																															
1	FY 08 P	A	2628	1979	649	36	199	113	198	103																					0
1	FY 09	A	2423	0	2423					130	362	282	348	327	310	412	252														0
1	FY 10	A	2284	0	2284								A					230	129	236	140	140	190	220	220	220	220	220	119	0	
1	FY 11	A	425	0	425																									425	
1	FY 12	A	64	0	64																									64	
1	FY 08 P	SOC	325	120	205	29	95	51	30																					0	
1	FY 09	SOC	585	0	585												157	85	37	100	90	90	26							0	
1	FY 09	AF	170	0	170				37	39	45	49																		0	
Total					6805	65	294	164	265	272	407	331	348	327	310	412	409	315	166	336	230	230	216	220	220	220	220	220	119	489	
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Kongsberg Aerospace, Johnstown, PA	240	4800	6000		1	Initial	6	8	5	13	Other service buys on P-21 do not include other Army requirements, such as the Vanguard, M1A2 Abrams Main Battle Tank, M1200 Armored Knight, Joint Lightweight Tactical Vehicles (JLTV) and M93 Fox programs. Monthly production rates on the P-21 do not reflect those other buys, which offset apparent gaps in production and rates below the minimum.
						Reorder	6	8	5	13		
2	TBS, TBS	40	4800	6000		2	Initial	6	10	6	16	
						Reorder	6	10	6	16		
						Initial						
						Reorder						
						Initial						
						Reorder						

**FY 12 / 13 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
Common Remotely Operated Weapons Station (CROWS) (G04700)

Date:  
February 2011

COST ELEMENTS						Fiscal Year 12												Fiscal Year 13												Later
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12												Calendar Year 13												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
CROWS system																														
1	FY 08 P	A	2628	2628																								0		
1	FY 09	A	2423	2423																								0		
1	FY 10	A	2284	2284																								0		
1	FY 11	A	425	0	425	40	40	40	40	40	40	40	40	40	25													0		
1	FY 12	A	64	0	64																							0		
1	FY 08 P	SOC	325	325																								0		
1	FY 09	SOC	585	585																								0		
1	FY 09	AF	170	170																								0		
Total					489	40	40	40	40	40	40	40	40	40	25															
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Kongsberg Aerospace, Johnstown, PA	240	4800	6000		1	Initial	6	8	5	13	Other service buys on P-21 do not include other Army requirements, such as the Vanguard, M1A2 Abrams Main Battle Tank, M1200 Armored Knight, Joint Lightweight Tactical Vehicles (JLTV) and M93 Fox programs. Monthly production rates on the P-21 do not reflect those other buys, which offset apparent gaps in production and rates below the minimum.
							Reorder	6	8	5	13	
2	TBS, TBS	40	4800	6000		2	Initial	6	10	6	16	
							Reorder	6	10	6	16	
							Initial					
							Reorder					
							Initial					
							Reorder					

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2011

Appropriation / Budget Activity / Serial No:  
Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature  
HANDGUN (G15325)

Program Elements for Code B Items:  
0604601A - Infantry Support Weapons

Code:  
B

Other Related Program Elements:

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty	2895	5000	5000									12895
Gross Cost	1.6	3.4	3.4									8.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	1.6	3.4	3.4									8.3
Initial Spares												
Total Proc Cost	1.6	3.4	3.4									8.3
Flyaway U/C												
Weapon System Proc U/C	0.0	0.0	0.0									0.0

**Description:**

Currently the M9 Pistol is utilized as a Personal Defense Weapon provided in the field. The new Modular Handgun System would replace the M9 Pistol as a new Personal Defense Weapon.

**Justification:**

FY12 has no funding.

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature HOWITZER LT WT 155MM (T) (G01700)
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Program Elements for Code B Items: 0604854-509	Code: B	Other Related Program Elements:										
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty	354	53	14									421
Gross Cost	852.0	157.4	62.0	13.1		13.1	13.7					1098.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	852.0	157.4	62.0	13.1		13.1	13.7					1098.1
Initial Spares												
Total Proc Cost	852.0	157.4	62.0	13.1		13.1	13.7					1098.1
Flyaway U/C												
Weapon System Proc U/C	2.4	3.0	4.4									2.6

<b>P-40 Breakdown</b>										
Area		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016
Active	Qty	53	14	0	0	0	0	0	0	0
	Gross Cost	111525.0	62000.0	7709.0	0.0	7709.0	8044.0	0.0	0.0	0.0
National Guard	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	45890.0	0.0	5357.0	0.0	5357.0	5606.0	0.0	0.0	0.0
Reserve	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	Qty	53	14	0	0	0	0	0	0	0
	Gross Cost	157415	62000	13066	0	13066	13650	0	0	0

**Description:**  
The Lightweight 155mm Howitzer (LW155), also known as the M777A2, provides direct, reinforcing, and general support fires to maneuver forces. It replaces all howitzers in all missions in the USMC and replaces the M198 howitzer as the general support artillery for light forces in the Army. The LW155 fires unassisted projectiles to a range of 15 miles and assisted projectiles to 19 miles, but the addition of the digital fire control system enables the weapon to program and fire the improved Excalibur precision-guided munition to ranges in excess of 25 miles with better than 10-meter Circular Error Probable (CEP) accuracy. The LW155 is the first ground combat system whose major structures are made of high strength titanium alloy and the system makes extensive use of hydraulics to operate the breech, load tray, recoil and wheel arms. The combination of titanium structures and the use of hydraulic systems resulted in a significant weight savings over the M198 system (>7000 lbs.). Compared to the M198, the LW155 emplaces three-times faster and displaces four-times faster. It traverses 32 percent more terrain worldwide and is 70 percent more survivable than the M198.

**Justification:**  
FY12 Base procurement dollars in the amount of \$13.066 million will support Program Management costs for life cycle management associated with the Howitzer Lightweight 155MM. It also

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date:
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February 2011

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature HOWITZER LT WT 155MM (T) (G01700)
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Program Elements for Code B Items: 0604854-509	Code: B	Other Related Program Elements:
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supports the Interim Contractor Support for all guns.

The LW155 is the cannon fire support for the Army's Stryker Brigade Combat Teams (SBCT) and is capable of firing the 155mm Excalibur Precision Munition.

IAW Section 1815 of the FY08 NDAA this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: HOWITZER LT WT 155MM (T) (G01700)	Weapon System Type:	Date: February 2011
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WTCV Cost Elements	ID CD	FY 10			FY 11			FY 12 Base			FY 12 OCO			FY 12 Total		
		Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
BAE Lightweight 155mm Howitzer		124550	53	2350	32900	14	2350									
Watervliet Arsenal Cannon		13250	53	250	3500	14	250									
Primer Feed Mechanism		1060	53	20	280	14	20									
Optical Fire Control		2332	53	44	616	14	44									
Basic Initial Issue		1316			340											
System Engineering / Program Management		7985			2524			3066						3066		
Test		1767			490											
Fielding		5155			1350											
Interim Contractor Support (ICS)					12000			10000						10000		
Capability Package 1					8000											
<b>Total:</b>		<b>157415</b>			<b>62000</b>			<b>13066</b>						<b>13066</b>		

# Exhibit P-5a, Budget Procurement History and Planning

Date:  
February 2011

Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles		Weapon System Type:	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 \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>BAE Lightweight 155mm Howitzer</b>										
FY 2010	BAE SYSTEMS Barrow-in-Furness, UK	SS / FFP	Picatinny Arsenal, NJ	Mar 10	Oct 11	53	2350			
FY 2011	BAE SYSTEMS Barrow-in-Furness, UK	SS / FFP	Picatinny Arsenal, NJ	Dec 10	Aug 12	14	2350			
<b>Watervliet Arsenal Cannon</b>										
FY 2010	Watervliet Arsenal Watervliet, NY 12189	MIPR	N/A	Jan 10	May 10	53	250			
FY 2011	Watervliet Arsenal Watervliet, NY 12189	MIPR	N/A	Oct 10	May 11	14	250			
<b>Primer Feed Mechanism</b>										
FY 2010	Triumph Actuator Systems Bloomfield, CT 06002	SS / FFP	Picatinny Arsenal, NJ	Jan 10	May 10	53	20			
FY 2011	Triumph Actuator Systems Bloomfield, CT 06002	SS / FFP	Picatinny Arsenal, NJ	Oct 10	May 11	14	20			
<b>Optical Fire Control</b>										
FY 2010	Seiler Instrument St. Louis, MO 63119	SS / FFP	Picatinny Arsenal, NJ	Jan 10	May 10	53	44			
FY 2011	Seiler Instrument St. Louis, MO 63119	SS / FFP	Picatinny Arsenal, NJ	Oct 10	May 11	14	44			

REMARKS:

FY 10 / 11 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE HOWITZER LT WT 155MM (T) (G01700)										Date: February 2011									
COST ELEMENTS						Fiscal Year 10										Fiscal Year 11										Later			
MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10										Calendar Year 11													
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY		JUN	JUL	AUG
BAE Lightweight 155mm Howitzer																													
1	FY 08	A	203	98	105	7	7	6	10	10	10	10	10	10	10	10	5											0	
1	FY 08	MC	100	84	16	7	5	4																				0	
1	FY 09	TOT	38	0	38												5	5	5	5	5	5	5	5	3			0	
1	FY 09	MC	62	0	62											5	5	5	5	5	5	5	5	7	10	5		0	
1	FY 09	FMS	25	0	25																				5	10	10	0	
1	FY 10	TOT	53	0	53						A																53		
1	FY 10	MC	18	0	18						A																18		
1	FY 10	FMS	35	0	35						A																35		
1	FY 11	A	14	0	14																						14		
1	FY 11	MC	22	0	22																						22		
Total						388	14	12	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	142	
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP

  

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	BAE SYSTEMS, Barrow-in-Furness, UK	48	192	192		1	Initial	0	1	11	12	
							Reorder	0	3	20	23	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

FY 12 / 13 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE HOWITZER LT WT 155MM (T) (G01700)										Date: February 2011									
COST ELEMENTS						Fiscal Year 12										Fiscal Year 13													
MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12										Calendar Year 13										Later			
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY		JUN	JUL	AUG
BAE Lightweight 155mm Howitzer																													
1	FY 08	A	203	203																								0	
1	FY 08	MC	100	100																								0	
1	FY 09	TOT	38	38																								0	
1	FY 09	MC	62	62																								0	
1	FY 09	FMS	25	25																								0	
1	FY 10	TOT	53	0	53	5	5	5	7	10	10	10	1															0	
1	FY 10	MC	18	0	18	5	5	5	3																			0	
1	FY 10	FMS	35	0	35								9	10	10	6												0	
1	FY 11	A	14	0	14										2	5	5	2										0	
1	FY 11	MC	22	0	22										2	5	5	8	2									0	
Total					142	10	10	10	10	10	10	10	10	10	10	10	10	10	2										
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP

  

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	BAE SYSTEMS, Barrow-in-Furness, UK	48	192	192		1	Initial	0	1	11	12	
							Reorder	0	3	20	23	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature MK-19 Grenade Machine Gun MODS (GB3000)
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Program Elements for Code B Items: 604601A Infantry Support Weapons	Code: B	Other Related Program Elements:										
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty												
Gross Cost	38.3	8.5	4.3									51.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	38.3	8.5	4.3									51.1
Initial Spares												
Total Proc Cost	38.3	8.5	4.3									51.1
Flyaway U/C												
Weapon System Proc U/C												

P-40 Breakdown										
Area		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016
Active	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	8395.0	4149.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Guard	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	128.0	137.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reserve	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	8523	4286	0	0	0	0	0	0	0

**Description:**  
The MK-19 Mod 3 is a self-powered, air-cooled, 40mm automatic grenade machine gun capable of a firing rate of 325-375 rounds per minute. It is used to engage point targets up to 1500 meters and provide suppressive fire at ranges up to 2200 meters. Since the initial fielding of the MK-19, various system enhancements have been identified that further improve the system by increasing operational capabilities and improving reliability, readiness, maintainability, and safety. These improvements include a lightweight adjustable sight bracket; a weapon-sight bracket interface; improved firing pin sear with modified firing pin; an adjustable secondary drive lever; a Tactical Engagement Simulator (TES) to support Force-on-Force Training; and improved sighting systems that enhance accuracy of the system.. The MK-19 is fielded with the MK93 mount. The weapon will be mounted on select Stryker vehicles, High Mobility Multi-Purpose Wheeled Vehicles (HMMWVs), the M113 Armored Personnel Carrier family of vehicles, and the M88A1 Recovery Vehicle. During static defensive operations it will be ground employed utilizing the M3 or XM205 Tripod Mount.

**Justification:**  
FY12 has no funding.

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date:
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February 2011

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature MK-19 Grenade Machine Gun MODS (GB3000)
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Program Elements for Code B Items: 604601A Infantry Support Weapons	Code: B	Other Related Program Elements:
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IAW Section 1815 of the FY08 NDAA this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

<b>Exhibit P-40M, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature MK-19 Grenade Machine Gun MODS (GB3000)
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Appropriation / Budget Activity / Serial No:	P-1 Item Nomenclature
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Program Elements for Code B Items: 604601A Infantry Support Weapons	Code: B	Other Related Program Elements:
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Description		Fiscal Years								
OSIP No.	Classification	2010 & PR	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	TC	Total
Tactical Engagement Simulator (TES)										
TBD1	Training	28.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0	29.8
Tripods										
TBD2	Operational	0.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0	2.5
Mounts										
TBD3	Operational	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9
Closed - Modification Kit										
TBD4		17.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.9
<b>Totals</b>		<b>46.8</b>	<b>4.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>51.1</b>

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature M4 CARBINE MODS (GB3007)
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Program Elements for Code B Items: 0604601A Infantry Support Weapons	Code: B	Other Related Program Elements:										
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty												
Gross Cost	618.4	35.5	26.9	25.1	16.8	41.9	12.6	13.1	13.3	13.6		775.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	618.4	35.5	26.9	25.1	16.8	41.9	12.6	13.1	13.3	13.6		775.3
Initial Spares												
Total Proc Cost	618.4	35.5	26.9	25.1	16.8	41.9	12.6	13.1	13.3	13.6		775.3
Flyaway U/C												
Weapon System Proc U/C												

<b>P-40 Breakdown</b>											
Area		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	
Active	Qty	0	0	0	0	0	0	0	0	0	0
	Gross Cost	34610.0	26731.0	25092.0	16800.0	41892.0	12595.0	13099.0	13328.0	13552.0	
National Guard	Qty	0	0	0	0	0	0	0	0	0	0
	Gross Cost	703.0	102.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reserve	Qty	0	0	0	0	0	0	0	0	0	0
	Gross Cost	212.0	111.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	Qty	0	0	0	0	0	0	0	0	0	0
	Gross Cost	35525	26944	25092	16800	41892	12595	13099	13328	13552	

**Description:**  
The M4 Carbine Modification Program provides Combat Optics, a Close Quarters Battle Kit, an Improved Buttstock, a Modular Weapon System and a Product Improvement Kit. The Modular Weapon System includes an adapter rail system, back-up iron sight, and M203 Grenade Launcher Kit. The Product Improvement Kit includes an improved bolt, adapter rail system, barrel, full auto trigger mechanism, and new ambidextrous controls.

**Justification:**  
FY12 Base procurement dollars in the amount of \$25.092 million supports the Army by procuring Close Quarters Battle Kits, Improved Combat Optics and Product Improvement kit components to upgrade the M4 Carbine. The Close Quarters Battle Kit (CQBK) can be used with the Soldier's primary weapons, the M4 Carbine, M4A1 Carbine and the M16A4 Rifle. The CQBK provides the Soldier with multiple low cost items to increase lethality and survivability. Improved Combat Optics will enhance the capability to identify and engage targets at all ranges. The items used in the Modular Weapon System are key components of Soldier Lethality and allows unit leaders to configure weapons based upon mission requirements. The M4 carbine upgrade will convert the M4 to the M4A1.

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date:
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February 2011

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature M4 CARBINE MODS (GB3007)
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Program Elements for Code B Items: 0604601A Infantry Support Weapons	Code: B	Other Related Program Elements:
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FY12 OCO procurement dollars in the amount of \$16.800 million supports the Army by procuring Product Improvement Kit components to upgrade the M4 Carbine which will enhance weapon reliability, durability, maintainability and accessory integration.

IAW Section 1815 of the FY08 NDAA this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

Exhibit P-40M, Budget Item Justification Sheet							Date: February 2011			
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles					P-1 Item Nomenclature M4 CARBINE MODS (GB3007)					
Appropriation / Budget Activity / Serial No:					P-1 Item Nomenclature					
Program Elements for Code B Items: 0604601A Infantry Support Weapons					Code: B		Other Related Program Elements:			
Description		Fiscal Years								
OSIP No.	Classification	2010 & PR	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	TC	Total
Combat Optics										
TBD1	Operational	147.5	4.8	4.3	4.0	4.3	4.2	3.8	0.0	172.9
Close Quarters Battle Kit										
TBD2	Operational	295.4	22.1	6.2	7.8	8.0	8.3	9.0	0.0	356.8
M4 Product Improvement Program (PIP) Phase I										
TBD3	Operational	0.0	0.0	31.4	0.6	0.6	0.6	0.6	0.0	33.8
M4 Product Improvement Program (PIP) Phase II										
TBD4	Operational	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.8
Closed Mods										
TBD5		211.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	211.0
Totals		653.9	26.9	41.9	12.6	13.1	13.3	13.6	0.0	775.3

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE: Combat Optics [MOD 1] TBD1

MODELS OF SYSTEM AFFECTED: M4 Carbine (5.56mm)

**DESCRIPTION / JUSTIFICATION:**

The M68 Close Combat Optic is used on the M4 Carbine and M16 Rifle. The Close Combat Optic allows the Soldier to fire a weapon with both eyes open allowing greater awareness of events happening in close proximity. The Close Combat Optic gives the Soldier greater hit probability in daylight, low light level, wet weather and other adverse conditions. The M150 Rifle Combat Optic (RCO) was selected as the Improved Combat Optic. The M150 RCO provides a reflexive fire technique allowing the Soldier to transition rapidly between long-range and close quarters engagements. It has a capability to recognize and engage targets from 300 to 600 meters with the M4, M4A1, M16A2, M16A4 and M249.

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):**

Combat Optic = M68 Close Combat Optic (CCO)  
 Type Classification (LRIP) 4Q96 (Actual)  
 First Production Hardware Delivered 1Q97 (Actual)  
 First Unit Equipped 2Q98 (Actual)

Improved Combat Optic: M150 Rifle Combat Optic (RCO)  
 Milestone B 2Q07 (Actual)  
 Milestone C/Type Classification Standard 3Q08 (Actual)  
 First Unit Equipped 4Q08 (Actual)

**Installation Schedule**

Pr Yr	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015					
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Inputs																						
Outputs																						

  

FY 2016	FY 2017				FY 2018				FY 2019				To Complete	Totals	
	1	2	3	4	1	2	3	4	1	2	3	4			
Inputs															
Outputs															

**METHOD OF IMPLEMENTATION:** Installed by troops      **ADMINISTRATIVE LEADTIME:** 3 months      **PRODUCTION LEADTIME:** 4 months

Contract Dates:                      FY 2012 - Jan 12                      FY 2013 - Jan 13                      FY 2014 - Jan 14

Delivery Dates:                      FY 2012 - Apr 12                      FY 2013 - Apr 13                      FY 2014 - Apr 14

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE (cont): Combat Optics [MOD 1] TBD1

FINANCIAL PLAN: (\$ in Millions)

	FY 2010 and Prior		2011		2012		2013		2014		2015		2016		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>																	
<b>Procurement</b>																		
<b>Installation of Hardware</b>																		
Quantity	449229		7881		4638		4638		4586		4395		3850				479217	
Hardware		130.9		4.5		4.1		3.8		4.1		4.0		3.6				155.0
Engineering Support		11.4		0.2		0.1		0.1		0.1		0.1		0.1				12.1
Test		0.4																0.4
Integrated Logistical Support		2.8		0.1				0.1				0.1		0.1				3.2
Total Package Fielding		2.0				0.1				0.1								2.2
FY 2009 & Prior Equip -- Kits																		
FY 2010 -- Kits																		
FY 2011 Equip -- Kits																		
FY 2012 Equip -- Kits																		
FY 2013 Equip -- Kits																		
FY 2014 Equip -- Kits																		
FY 2015 Equip -- Kits																		
FY 2016 Equip -- Kits																		
FY 2017 Equip -- Kits																		
TC Equip- Kits																		
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		147.5		4.8		4.3		4.0		4.3		4.2		3.8		0.0		172.9

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE: Close Quarters Battle Kit [MOD 2] TBD2

MODELS OF SYSTEM AFFECTED: M4 Carbine (5.56mm)

DESCRIPTION / JUSTIFICATION:  
 The Close Quarters Battle Kit provides the Soldier with multiple low cost items to increase lethality and survivability with individual weapons. The Close Quarters Battle Kit provides the following items: Low profile bipod, cleaning kit, improved magazines, magazine pouches, multiple magazine holders with storage pouches, forward rail brackets, and improved weapon sling.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):  
 Evaluation & Down Select 4Q07/2Q08(Actual)  
 Production Contract Award 3Q08 (Actual)  
 First Unit Equip 1Q09 (Actual)

Installation Schedule

Pr Yr Totals	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																				
Outputs																				

  

1	2	3	4	FY 2016				FY 2017				FY 2018				FY 2019				To Complete	Totals	
				1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
Inputs																						
Outputs																						

METHOD OF IMPLEMENTATION: installed by troops ADMINISTRATIVE LEADTIME: 3 months PRODUCTION LEADTIME: 3 months  
 Contract Dates: FY 2012 - Jan 12 FY 2013 - Jan 13 FY 2014 - Jan 14  
 Delivery Dates: FY 2012 - Mar 12 FY 2013 - Mar 13 FY 2014 - Mar 14

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE (cont): Close Quarters Battle Kit [MOD 2] TBD2

FINANCIAL PLAN: (\$ in Millions)

	FY 2010 and Prior		2011		2012		2013		2014		2015		2016		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>																	
<b>Procurement</b>																		
<b>Installation of Hardware</b>																		
Quantity	596605		74086														670691	
Cleaning Kit Hardware		276.7		21.3	15436	4.6	19752	6.2	18508	6.1	22254	7.7	23140	8.4			99090	331.0
Improved Magazines					119760	1.0	116279	1.0	146726	1.3							382765	3.3
Engineering Support		12.1		0.3		0.3		0.3		0.3		0.3		0.3				13.9
Integrated Logistic Support		4.3		0.2		0.2		0.2		0.2		0.2		0.2				5.5
Total Package Fielding		2.3		0.3		0.1		0.1		0.1		0.1		0.1				3.1
Engineering Studies																		
FY 2009 & Prior Equip -- Kits																		
FY 2010 -- Kits																		
FY 2011 Equip -- Kits																		
FY 2012 Equip -- Kits																		
FY 2013 Equip -- Kits																		
FY 2014 Equip -- Kits																		
FY 2015 Equip -- Kits																		
FY 2016 Equip -- Kits																		
FY 2017 Equip -- Kits																		
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		295.4		22.1		6.2		7.8		8.0		8.3		9.0		0.0		356.8

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE: M4 Product Improvement Program (PIP) Phase I [MOD 3] TBD3

MODELS OF SYSTEM AFFECTED: M4 Carbine (5.56mm)

**DESCRIPTION / JUSTIFICATION:**

Phase I Increment C will procure the M4A1's heavy barrel assembly, M4A1's full auto trigger mechanism and ambidextrous fire control selectors in order to convert fielded M4 carbines to M4A1 carbines. The kits will enhance current M4 Carbine's sustained rate of fire, ergonomics, reliability, durability, and maintainability.

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):**

M4 Product Improvement Program, Phase I  
 Multiple RFPs Release 2QFY11(Planned)  
 Evaluation & Down Select 3QFY11(Planned)  
 Contract Award 4QFY11(Planned)  
 Initial Prod. Delivery 4QFY12(Planned)  
 First Unit Equip 2QFY13(Planned)

**Installation Schedule**

Pr Yr Totals	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs									8014	16000	22757		218	218	218	219	218	218	218	219
Outputs									8014	16000	22757		218	218	218	219	218	218	218	219

  

	FY 2016				FY 2017				FY 2018				FY 2019				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs	218	218	218	219	218	218	218	219										50263
Outputs	218	218	218	219	218	218	218	219										50263

**METHOD OF IMPLEMENTATION:** Modified Work      **ADMINISTRATIVE LEADTIME:** 2 months      **PRODUCTION LEADTIME:** 14 months  
 Order  
 Contract Dates:                      FY 2012 - Dec 11                      FY 2013 - Dec 12                      FY 2014 - Dec 13  
 Delivery Dates:                      FY 2012 - Jan 13                      FY 2013 - Oct 13                      FY 2014 - Oct 14

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE (cont): M4 Product Improvement Program (PIP) Phase I [MOD 3] TBD3

FINANCIAL PLAN: (\$ in Millions)

	FY 2010 and Prior		2011		2012		2013		2014		2015		2016		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>Procurement</b>																	
<b>Installation of Hardware</b>																		
Quantity					46771		873		873		873		873				50263	
PIP Kits						26.8		0.5		0.5		0.5		0.5				28.8
Kits conversion cost						3.7		0.1		0.1		0.1		0.1				4.0
Engineering Support						0.6		0.0		0.0		0.0		0.0				0.7
Integrated Logistics Support						0.3												0.3
FY 2010 & Prior Equip -- Kits																		
FY 2011 -- Kits																		
FY 2012 Equip -- Kits							46771										46771	
FY 2013 Equip -- Kits									873								873	
FY 2014 Equip -- Kits										873							873	
FY 2015 Equip -- Kits											873						873	
FY 2016 Equip -- Kits												873					873	
FY 2017 Equip -- Kits																		
TC Equip- Kits																		
Total Installment	0	0.0	0	0.0	0	0.0	46771	0.0	873	0.0	873	0.0	873	0.0	0	0.0	49390	0.0
Total Procurement Cost		0.0		0.0		31.4		0.6		0.6		0.6		0.6		0.0		33.8

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2011

Appropriation / Budget Activity / Serial No:

Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature

M2 50 Cal Machine Gun MODS (GB4000)

Program Elements for Code B Items:

604601A Infantry Support Weapons

Code:

B

Other Related Program Elements:

0604601A S58

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty												
Gross Cost	39.6	36.8	15.0	14.9		14.9	10.0	10.0	5.5	20.2		151.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	39.6	36.8	15.0	14.9		14.9	10.0	10.0	5.5	20.2		151.9
Initial Spares												
Total Proc Cost	39.6	36.8	15.0	14.9		14.9	10.0	10.0	5.5	20.2		151.9
Flyaway U/C												
Weapon System Proc U/C												

**Description:**

The M2A1 Quick Change Barrel (QCB) Kit provides enhancements for the .50 Caliber M2 Heavy Barrel Machine Gun to provide the Soldier with the ability to quickly change the barrel without the need to reset the headspace and timing and reduce the visible muzzle flash. The quick change barrel will be ready for production in FY 2010 allowing the Army to retrofit the current M2 fleet on a one for one basis. Also provides other ancillary equipment such as the M3 Tripod, XM205 Lightweight Tripod, MK93 Mount and similar mounts, and improved sighting systems.

**Justification:**

FY12 Base procurement dollars in the amount of \$14.856 million supports the Active Army by purchasing 1,330 M2A1 Quick Change Barrel Kits to modify the .50 Caliber M2 Heavy Barrel Machine Gun, into a fixed headspace and timing configuration and 1,791 Lightweight Tripods to replace the M3 Tripod. The M2A1 decreases the time required to change the barrel while improving safety and reliability of the weapon. In addition, several initial units of the XM205 Lightweight Tripod will be for our Soldiers who are participating in Operation Enduring Freedom.

<b>Exhibit P-40M, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature M2 50 Cal Machine Gun MODS (GB4000)
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Appropriation / Budget Activity / Serial No:	P-1 Item Nomenclature
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Program Elements for Code B Items: 604601A Infantry Support Weapons	Code: B	Other Related Program Elements: 0604601A S58
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Description		Fiscal Years								
OSIP No.	Classification	2010 & PR	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	TC	Total
M2A1 QUICK CHANGE BARREL KIT										
TBD1	Operational	40.7	7.5	8.3	9.9	9.9	5.4	20.1	0.0	101.8
Tripods										
TBD2	Operational	8.6	7.5	6.6	0.1	0.1	0.1	0.1	0.0	23.1
CLOSED MODS										
0-00-00-0000		27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.0
Totals		76.3	15.0	14.9	10.0	10.0	5.5	20.2	0.0	151.9

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE: M2A1 QUICK CHANGE BARREL KIT [MOD 1] TBD1

MODELS OF SYSTEM AFFECTED:

DESCRIPTION / JUSTIFICATION:

The M2A1 Quick Change Barrel Kit provides enhancements for the .50 Caliber M2 Heavy Barrel Machine Gun to provide the Soldier with the ability to quickly change the barrel without the need to reset the headspace and timing and to reduce the visible muzzle flash.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

User Assessment 3Q09  
 Type Classification - Standard 1Q11 (Actual)  
 First Unit Equipped 3Q11 (Planned)

Installation Schedule

	Pr Yr Totals	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs			600	600	900	900	900	900	788	788	789	789	788	788	788	789	391	391	392	392	729
Outputs				600	600	900	900	900	900	788	788	789	789	788	788	788	789	391	391	392	392

  

	FY 2016				FY 2017				FY 2018				FY 2019				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs	729	729	729															15589
Outputs	729	729	729	729														15589

METHOD OF IMPLEMENTATION: Depot Installed ADMINISTRATIVE LEADTIME: 4 months PRODUCTION LEADTIME: 9 months  
 Contract Dates: FY 2012 - Feb 12 FY 2013 - Feb 13 FY 2014 - Feb 14  
 Delivery Dates: FY 2012 - Oct 12 FY 2013 - Aug 13 FY 2014 - Aug 14

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE (cont): M2A1 QUICK CHANGE BARREL KIT [MOD 1] TBD1

FINANCIAL PLAN: (\$ in Millions)

	FY 2010 and Prior		2011		2012		2013		2014		2015		2016		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>																	
<b>Procurement</b>																		
<b>Installation of Hardware</b>																		
Kit Quantity	6408		1166	7.0	1330		1492		1492		785		2916				15589	7.0
Hardware QCB Kits		36.1				7.6		9.3		9.3		4.8		18.2				85.3
Engineering Support		2.4		0.2		0.2		0.2		0.2		0.2		0.2				3.6
Testing		0.5																0.5
Integrated Logistics Support		0.5				0.1		0.1		0.1		0.1		0.1				1.0
Fielding		0.4		0.1		0.1		0.1		0.1		0.1		0.1				1.0
New Equipment Training		0.4				0.1												0.5
First Destination Transp		0.4		0.1		0.1		0.1		0.1		0.1		0.1				1.0
Anniston Conversion				0.1		0.1		0.1		0.1		0.1		0.1				0.6
Engineering Study														1.3				1.3
FY 2010 and Prior -- Kits			1200		3600		1608										6408	
FY 2011 Equip -- Kits							1166										1166	
FY 2012 Equip -- Kits							380		950								1330	
FY 2013 Equip -- Kits									1492								1492	
FY 2014 Equip -- Kits									711		781						1492	
FY 2015 Equip -- Kits											785						785	
FY 2016 Equip -- Kits													2916				2916	
TC Equip- Kits																		
<b>Total Installment</b>	0	0.0	1200	0.0	3600	0.0	3154	0.0	3153	0.0	1566	0.0	2916	0.0	0	0.0	15589	0.0
<b>Total Procurement Cost</b>		40.7		7.5		8.3		9.9		9.9		5.4		20.1		0.0		101.8

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE: Tripods [MOD 2] TBD2

MODELS OF SYSTEM AFFECTED: Machine Gun, CAL .50 M2 and MK-19 Grenade Machine Gun

DESCRIPTION / JUSTIFICATION:  
 M3 Tripods and XM205 Lightweight Tripods mount for M2/MK19 Machine Guns in dismounted role. XM205 Tripod will reduce the Soldier burden as the current .50 caliber machine gun tripod (M3) weighs 44 pounds.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):  
 Production Verification Test 2Q11 (Planned) First Unit Equipped 4Q12 (Planned)  
 Operational Test 2Q11 (Planned)  
 Type Classification - Standard 1Q12 (Planned)

Installation Schedule

Pr Yr Totals	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																				
Outputs																				

  

FY 2016				FY 2017				FY 2018				FY 2019				To	Totals	
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete		
Inputs																		
Outputs																		

METHOD OF IMPLEMENTATION: Field Installed ADMINISTRATIVE LEADTIME: 4 months PRODUCTION LEADTIME: 9 months  
 Contract Dates: FY 2012 - Feb 12 FY 2013 - Feb 13 FY 2014 - Feb 14  
 Delivery Dates: FY 2012 - Oct 12 FY 2013 - Oct 13 FY 2014 - Oct 14

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE (cont): Tripods [MOD 2] TBD2

FINANCIAL PLAN: (\$ in Millions)

	FY 2010 and Prior		2011		2012		2013		2014		2015		2016		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RD&amp;E</b>																	
<b>Procurement</b>																		
<b>Installation of Hardware</b>																		
M3 Tripods Qty	12109	8.5															12109	8.5
XM205 Tripod Qty			2720	6.8	1791	6.0	2		2		2		2				4519	12.8
Engineering Support		0.1		0.3		0.2				0.1				0.1				0.8
Testing																		
Integrated Logistics Support				0.1		0.1		0.1				0.1						0.4
New Equipment Training				0.1		0.1												0.2
Fielding				0.1		0.1												0.2
First Destination Transportation				0.1		0.1												0.2
FY 2010 & Prior -- Kits																		
FY 2011 Equip -- Kits																		
FY 2012 Equip -- Kits																		
FY 2013 Equip -- Kits																		
FY 2014 Equip -- Kits																		
FY 2015 Equip -- Kits																		
FY 2016 Equip -- Kits																		
TC Equip- Kits																		
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		8.6		7.5		6.6		0.1		0.1		0.1		0.1		0.0		23.1

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature M249 SAW Machine Gun MODS (GZ1290)
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Program Elements for Code B Items:			Code:		Other Related Program Elements:							
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty												
Gross Cost	134.7	33.7	5.9	8.5		8.5	4.9	5.0	5.1	5.2		203.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	134.7	33.7	5.9	8.5		8.5	4.9	5.0	5.1	5.2		203.1
Initial Spares												
Total Proc Cost	134.7	33.7	5.9	8.5		8.5	4.9	5.0	5.1	5.2		203.1
Flyaway U/C												
Weapon System Proc U/C												

P-40 Breakdown										
Area		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016
Active	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	33618.0	5872.0	8480.0	0.0	8480.0	4932.0	5037.0	5088.0	5173.0
National Guard	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	77.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reserve	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	33695	5922	8480	0	8480	4932	5037	5088	5173

**Description:**  
The M249 Squad Automatic Weapon (SAW) is a 5.56mm, lightweight machine gun that can be utilized in either the automatic rifle role or light machine gun role. Various system enhancements have been identified that improve the use of this weapon system. These include the addition of a feedtray cover rail and forward rail assemblies. The addition of these rails provides a MIL-STD-1913 interface allowing the mounting of standard military optics and other target designation devices directly to the machine gun. Improved components include an improved collapsible buttstock, improved bipod and 200-round ammunition pack. Other items being procured to enhance Soldier performance include a Light Weight Ground Mount, Short Barrel, Short Barrel Blank Firing Attachment and Improved Sling Assembly.

**Justification:**  
FY12 Base procurement dollars in the amount of \$8.480 million supports the Army by purchasing Improved Bipods, Short Barrels, Short Barrel Blank Firing Adapters (BFA), Improved Collapsible Buttstocks, Light Weight Ground Mounts, 200 Round Soft Pack Magazine, Sling Assembly Feedbox Support Improvement Kit (FSIK) for the M249 SAW Machine Gun weapon system. The Improved Bipod is stronger than the existing bipod. It allows the Soldier better adjustability and is compatible with the accessory rail kit. The Improved Collapsible Buttstock provides the Soldier

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date:
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February 2011

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature M249 SAW Machine Gun MODS (GZ1290)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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improved ergonomics resulting in greater target acquisition. The M249 when deployed with a Collapsible Buttstock and Short Barrel it reduces the overall weapon length by 10 inches, when compared to the standard issue M249 SAW. The shorter length improves Military Operation in Urban Terrain (MOUT), and Airborne/Air Assault Operations. It allows for easier egress and entrance into vehicles and confined areas, also facilitates clearing operation in current urban combat environments. The shortened M249 improves survivability in extended missions and close combat situations encountered in current war-time deployments. The M192 Light Weight Ground Mount, which weighs 11.4lbs., will reduce the Soldier's combat load weight by 6.4lbs. It will incorporate a modern traverse and elevating mechanism that will maintain predetermined elevation throughout the full range of weapon traverse, as well as contain a series of index marks that will enable gunners to construct a range data card.

IAW Section 1815 of the FY08 NDAA this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

Exhibit P-40M, Budget Item Justification Sheet							Date: February 2011			
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles					P-1 Item Nomenclature M249 SAW Machine Gun MODS (GZ1290)					
Appropriation / Budget Activity / Serial No:					P-1 Item Nomenclature					
Program Elements for Code B Items:					Code:		Other Related Program Elements:			
Description		Fiscal Years								
OSIP No.	Classification	2010 & PR	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	TC	Total
M249 SAW Bipod										
TBD1	Operational	19.6	1.3	0.4	0.2	0.0	0.0	0.0	0.0	21.5
M249 Short Barrel/Short Barrel BFA/Coll Buttstock										
TBD2	Operational	64.6	2.4	5.0	2.1	2.5	2.3	3.0	0.0	81.9
Light Weight Ground Mount										
TBD3	Operational	29.5	1.2	1.6	1.6	1.2	1.5	0.8	0.0	37.4
200rd/Sling Assembly/Feedbox Spt Improvement Kit										
TBD4	Operational	11.1	1.0	1.5	1.0	1.3	1.3	1.4	0.0	18.6
Closed Mods										
TBD5		43.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.7
Totals		168.5	5.9	8.5	4.9	5.0	5.1	5.2	0.0	203.1

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE: M249 SAW Bipod [MOD 1] TBD1

MODELS OF SYSTEM AFFECTED: M249 Squad Automatic Weapon & Machine Gun

**DESCRIPTION / JUSTIFICATION:**

The M249 Squad Automatic Weapon (SAW) is a 5.56mm, lightweight, machine gun that will be utilized in the automatic rifle role and the machine gun role. The front rails will be fastened to the sides and bottom of the M249 SAW receiver. They will allow attachment of a large variety of existing and future high technology electronic and night vision devices, vertical handgrip, and horizontal handgrip. The combat optic will provide the Soldier with an improved capability to identify and engage targets at long ranges.

When the SAW is used in the automatic rifle role, the bottom rail provides an attachment point for the vertical handgrip. The front side rails accommodate the devices when the weapon is used in either role. The Improved Bipod is stronger, compatible with the front and bottom rails, and has easier adjustability of bipod legs for the Soldier.

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):**

Developmental/User Test                    2Q00 (Actual)  
 Production Decision                        3Q00 (Actual)  
 Production Contract Award                4Q00 (Actual)  
 First Production Hardware Delivered    3Q01 (Actual)  
 First Unit Equipped                        3Q00 (Actual)\*  
    \* 300 pre-production rails delivered to Rangers

**Installation Schedule**

Pr Yr	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Totals																				
Inputs																				
Outputs																				

  

Pr Yr	FY 2016				FY 2017				FY 2018				FY 2019				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		
Outputs																		

METHOD OF IMPLEMENTATION: Field Application      ADMINISTRATIVE LEADTIME: 5 months      PRODUCTION LEADTIME: 5 months  
 Contract Dates:                    FY 2012 - Mar 12                                    FY 2013 -                                    FY 2014 -  
 Delivery Dates:                    FY 2012 - Jul 12                                    FY 2013 -                                    FY 2014 -

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE (cont): M249 SAW Bipod [MOD 1] TBD1

FINANCIAL PLAN: (\$ in Millions)

	FY 2010 and Prior		2011		2012		2013		2014		2015		2016		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>Procurement</b>																	
<b>Installation of Hardware</b>																		
Quantity (Inclusive)	236837		7800														244637	
Bipods					1458	0.1											1458	0.1
Hardware		15.9		1.1														17.0
Engineering Support		2.7		0.1		0.2		0.1										3.1
Integrated Logistical Support		0.7		0.1		0.1		0.1										1.0
Fielding		0.3																0.3
FY 2009 & Prior Equip -- Kits																		
FY 2010 -- Kits																		
FY 2011 Equip -- Kits																		
FY 2012 Equip -- Kits																		
FY 2013 Equip -- Kits																		
FY 2014 Equip -- Kits																		
FY 2015 Equip -- Kits																		
FY 2016 Equip -- Kits																		
TC Equip- Kits																		
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		19.6		1.3		0.4		0.2		0.0		0.0		0.0		0.0		21.5

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE: M249 Short Barrel/Short Barrel BFA/Coll Buttstock [MOD 2] TBD2

MODELS OF SYSTEM AFFECTED: M249 Squad Automatic Weapon & Machine Gun (MG)

**DESCRIPTION / JUSTIFICATION:**

The M249 Machine Gun (MG) Short Barrel will provide a short version of the 5.56mm automatic weapon. The Short Barrel, when used in conjunction with the M5 Collapsible Buttstock, shortens the M249 MG by 10 inches. Starting in FY09, all new buttstock procurements will be the new improved lightweight collapsible buttstock. As a result, the shorter weapon enhances operational capability by improving Military Operations in Urban Terrain (MOUT) maneuverability and Airborne/Air Assault jump capabilities. The Short Barrel Blank Firing Attachment allows realistic training with the Short Barrel currently not available to the Soldier.

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):**

Developmental/User Test                      1Q00 (Actual)  
 Production Decision                              2Q00 (Actual)  
 Production Contract Award                      2Q01 (Actual)  
 First Production Hardware Delivered        3Q02 (Actual)  
 First Unit Equipped                              4Q02 (Actual)

**Installation Schedule**

Pr Yr Totals	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																				
Outputs																				

  

1	2	3	4	FY 2016				FY 2017				FY 2018				FY 2019				To Complete	Totals	
				1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
Inputs																						
Outputs																						

**METHOD OF IMPLEMENTATION:** Field Application      **ADMINISTRATIVE LEADTIME:** 5 months      **PRODUCTION LEADTIME:** 10 months  
 Contract Dates:                      FY 2012 - Mar 12                      FY 2013 - Mar 13                      FY 2014 - Mar 14  
 Delivery Dates:                      FY 2012 - Dec 12                      FY 2013 - Dec 13                      FY 2014 - Dec 14

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE (cont): M249 Short Barrel/Short Barrel BFA/Coll Buttstock [MOD 2] TBD2

FINANCIAL PLAN: (\$ in Millions)

	FY 2010 and Prior		2011		2012		2013		2014		2015		2016		TC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
	<b>Procurement</b>																		
<b>Installation of Hardware</b>																			
Quantity (Various Components)	196431		13400															209831	
Hardware		60.0		1.7														61.7	
Short Barrel					7725	2.4	2997	1.0	4229	1.4	3780	1.2	4601	1.5				23332	7.5
Blank Firing Adapter					12780	0.9	6770	0.5	4497	0.3	5593	0.4	16699	1.2				46339	3.3
Collapsible Buttstock					4688	1.2	1116	0.3	981	0.3	492	0.3						7277	2.1
Engineering Support		3.8		0.6		0.3		0.2		0.3				0.1					5.5
Integrated Logistical Support		0.6		0.1		0.2		0.1		0.2				0.2					1.6
Fielding		0.2																	0.2
FY 2009 & Prior Equip -- Kits																			
FY 2010 -- Kits																			
FY 2011 Equip -- Kits																			
FY 2012 Equip -- Kits																			
FY 2013 Equip -- Kits																			
FY 2014 Equip -- Kits																			
FY 2015 Equip -- Kits																			
FY 2016 Equip -- Kits																			
TC Equip- Kits																			
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
Total Procurement Cost		64.6		2.4		5.0		2.1		2.5		2.3		3.0		0.0		81.9	



**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE (cont): Light Weight Ground Mount [MOD 3] TBD3

FINANCIAL PLAN: (\$ in Millions)

	FY 2010 and Prior		2011		2012		2013		2014		2015		2016		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>Procurement</b>																	
<b>Installation of Hardware</b>																		
Quantity	20239		700		1530		1105		913		920		394				25801	
Hardware		26.5		0.9		1.0		1.1		0.9		1.0		0.4				31.8
Engineering Support		2.4		0.2		0.3		0.3		0.2		0.3		0.2				3.9
Testing		0.1																0.1
Integrated Logistical Support		0.3		0.1		0.3		0.2		0.1		0.2		0.2				1.4
Fielding		0.2																0.2
FY 2009 & Prior Equip -- Kits																		
FY 2010 -- Kits																		
FY 2011 Equip -- Kits																		
FY 2012 Equip -- Kits																		
FY 2013 Equip -- Kits																		
FY 2014 Equip -- Kits																		
FY 2015 Equip -- Kits																		
FY 2016 Equip -- Kits																		
TC Equip- Kits																		
<b>Total Installment</b>	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>Total Procurement Cost</b>		29.5		1.2		1.6		1.6		1.2		1.5		0.8		0.0		37.4



**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE (cont): 200rd/Sling Assembly/Feedbox Spt Improvement Kit [MOD 4] TBD4

FINANCIAL PLAN: (\$ in Millions)

	FY 2010 and Prior		2011		2012		2013		2014		2015		2016		TC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
	<b>Procurement</b>																		
<b>Installation of Hardware</b>																			
Quantity	188714		21000															209714	
Hardware		9.8		0.9														10.7	
200 Rd Magazine					7777	0.7	4057	0.3	3588	0.3	3406	0.3	4623	0.4				23451	2.0
Slings					1230	0.1												1230	0.1
Feedbox Support Improvement					14983	0.4	6645	0.2	10360	0.3	13440	0.4	2030	0.1				47458	1.4
<b>Kit</b>																			
Engineering Support		1.2		0.1		0.2		0.3		0.4		0.4		0.5					3.1
Integrated Logistical Support		0.1				0.1		0.2		0.3		0.2		0.4					1.3
FY 2009 & Prior Equip -- Kits																			
FY 2010 -- Kits																			
FY 2011 Equip -- Kits																			
FY 2012 Equip -- Kits																			
FY 2013 Equip -- Kits																			
FY 2014 Equip -- Kits																			
FY 2015 Equip -- Kits																			
FY 2016 Equip -- Kits																			
TC Equip- Kits																			
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
Total Procurement Cost		11.1		1.0		1.5		1.0		1.3		1.3		1.4		0.0		18.6	

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature M240 Medium Machine Gun MODS (GZ1300)
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Program Elements for Code B Items:			Code: A	Other Related Program Elements:								
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty												
Gross Cost	99.6	22.7	15.9	15.7		15.7	6.7	4.7	4.6	4.7		174.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	99.6	22.7	15.9	15.7		15.7	6.7	4.7	4.6	4.7		174.6
Initial Spares												
Total Proc Cost	99.6	22.7	15.9	15.7		15.7	6.7	4.7	4.6	4.7		174.6
Flyaway U/C												
Weapon System Proc U/C												

P-40 Breakdown										
Area		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016
Active	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	21507.0	15852.0	15718.0	0.0	15718.0	6719.0	4663.0	4624.0	4702.0
National Guard	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	808.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reserve	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	394.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	22709	15852	15718	0	15718	6719	4663	4624	4702

**Description:**  
The M240B/L Medium Machine Gun is an infantry version of the M240 Armored Machine Gun used to replace the M60 Series Machine Gun in Light Infantry, Mechanized Infantry, Armor, Rangers, Special Forces, and select Combat Engineer units. Since the initial fielding of the M240B, various system enhancements have been identified that further improves the use of this weapon system by increasing functionality and performance capabilities, while improving training capability. These include adopting a forward rail system to mount ancillary sighting/night vision equipment, an accessory ammunition pouch, a spare barrel bag to transport and store overheated barrels, and an improved Light Weight Ground Mount. Additional enhancements include improved bipod, sling, short barrel, combat ammo pack, improved hydraulic buffer, and collapsible buttstock. M240L will reduce the weight of the existing M240B by approximately 5 pounds.

**Justification:**  
FY12 Base procurement dollars in the amount of \$15.718 million supports the Army by purchasing system enhancements for the M240B/L Medium Machine Gun Weapon System. System enhancements have been identified by fielded units to further improve the reliability and functionality of this weapon system. These include improved bipods, collapsible buttstocks which will complete production of these items and allow for fielding to approximately 25 IBCTs. Additionally, improved hydraulic buffers will be acquired that will support the M240B's in service, as well

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date:
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February 2011

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature M240 Medium Machine Gun MODS (GZ1300)
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Program Elements for Code B Items:	Code: A	Other Related Program Elements:
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provide funding for an improved rail system and improved barrels. M240L will reduce the Soldier's combat load while allowing easier handling and movement of the weapon.

IAW Section 1815 of the FY08 NDAA this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

<b>Exhibit P-40M, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature M240 Medium Machine Gun MODS (GZ1300)
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Appropriation / Budget Activity / Serial No:	P-1 Item Nomenclature
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Program Elements for Code B Items:	Code: A	Other Related Program Elements:
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Description		Fiscal Years								
OSIP No.	Classification	2010 & PR	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	TC	Total
M240 Series System Improvements										
TBD1	Operational	56.0	15.9	15.7	6.7	4.7	4.6	4.7	0.0	108.3
Closed Mods										
NA		66.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.3
Totals		122.3	15.9	15.7	6.7	4.7	4.6	4.7	0.0	174.6

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE: M240 Series System Improvements [MOD 1] TBD1

MODELS OF SYSTEM AFFECTED:

DESCRIPTION / JUSTIFICATION:

The M240B Medium Machine Gun is an infantry version of the M240 Armored Machine Gun used to replace the M60 Series Machine Gun in Light Infantry, Mechanized Infantry, Armor, Rangers, Special Forces and select Combat Engineer units. The U.S. Army has identified a need to upgrade its current inventory of 7.62mm Medium Machine Guns in order to provide the dismounted infantryman a more reliable, accurate, and lethal medium machine gun to suppress and destroy enemy personnel, lightly armored vehicles, and fortified positions. System enhancements have been identified by fielded units to further improve the reliability of this weapon system. These include adopting a forward rail system to mount ancillary sighting/night vision equipment, providing an accessory ammunition pouch to improve forward assault fire capability, and an improved Blank Firing Adaptor to support increased training requirements. Additional enhancements include improved bipod, improved hydraulic buffer, sling, short barrel, short barrel blank firing adapter and collapsible buttstock.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Production Contract Award (MODS) (M240B) Aug 01 (Actual) (M240L) Mar 12 (PLANNED)  
 First Production Hardware Delivered (MODS) (M240B) Jan 02(Actual) (M240L) Sep 12 (PLANNED)  
 First Unit Equipped (MODS) (M240B) Feb 02 (Actual) (M240L) Feb 13 (PLANNED)

Installation Schedule

Pr Yr Totals	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																				
Outputs																				

  

1	FY 2016			FY 2017			FY 2018			FY 2019			To Complete	Totals
	2	3	4	1	2	3	4	1	2	3	4			
Inputs														
Outputs														

METHOD OF IMPLEMENTATION: Field Applications ADMINISTRATIVE LEADTIME: 5 months PRODUCTION LEADTIME: 8 months  
 Contract Dates: FY 2012 - Mar 12 FY 2013 - Mar 13 FY 2014 - Mar 14  
 Delivery Dates: FY 2012 - Oct 12 FY 2013 - Oct 13 FY 2014 - Oct 14

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE (cont): M240 Series System Improvements [MOD 1] TBD1

FINANCIAL PLAN: (\$ in Millions)

	FY 2010 and Prior		2011		2012		2013		2014		2015		2016		TC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
	<b>Procurement</b>																		
<b>Installation of Hardware</b>																			
Quantity	207253		33175		32400		14196		13550		15000		15550				331124		
Hardware		53.6		15.1															68.7
Bipods					4700	2.6											4700	2.6	
Collapsible Buttstock					5700	4.4											5700	4.4	
Improved Buffer					22000	5.9	12196	3.3									34196	9.2	
Improved Rails									11000	1.6	13000	1.9	13000	2.2			37000	5.7	
Improved Barrel							2000	1.5	2550	2.2	2000	1.8	2550	2.1			9100	7.6	
Engineering Support		1.3		0.3		1.5		0.9		0.5		0.4		0.2				5.1	
Integrated Logistical Support		0.4		0.1		0.6		0.5		0.2		0.2		0.1				2.1	
Fielding		0.7		0.4		0.7		0.5		0.2		0.3		0.1				2.9	
FY 2009 & Prior Equip -- Kits																			
FY 2010 -- Kits																			
FY 2011 Equip -- Kits																			
FY 2012 Equip -- Kits																			
FY 2013 Equip -- Kits																			
FY 2014 Equip -- Kits																			
FY 2015 Equip -- Kits																			
FY 2016 Equip -- Kits																			
TC Equip																			
<b>Total Installment</b>	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
<b>Total Procurement Cost</b>		56.0		15.9		15.7		6.7		4.7		4.6		4.7		0.0		108.3	

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2011

Appropriation / Budget Activity / Serial No:

Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature

SNIPER RIFLES MODIFICATIONS (GZ1500)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty												
Gross Cost				2.0		2.0	2.0	2.0	2.0	2.0		10.0
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1				2.0		2.0	2.0	2.0	2.0	2.0		10.0
Initial Spares												
Total Proc Cost				2.0		2.0	2.0	2.0	2.0	2.0		10.0
Flyaway U/C												
Weapon System Proc U/C												

**Description:**

This is a New Start Program to procure modifications/conversions of Sniper Weapons, Accessory Kits, sophisticated laser range finders and fire control systems. Initial buys of items to support or meet operational needs and lighten sniper load. It includes the procurement of Rifle Scope Optics, Spotting Scopes, and improved capabilities to recognize and engage targets from 800 meters and greater. Enhancing Optic displays, sights, reticles, and filters allow the Soldier to identify and engage targets at longer ranges and lower light levels increasing hit probability. This program also provides improved ancillary equipment, such as round counters and light weight barrels, other components and fire controls. The current army fleet of sniper weapons consisting of the M110 Semi-Automatic Sniper System (SASS), M24 Sniper Weapon System (SWS) and the M107 Semi-Automatic Long Range Sniper Rifle (LRSR) require continuous upgrades to the weapon, components, and/or ancillary equipment. Ongoing efforts will upgrade the M107 to the M107A1 and the M24 to the XM2010 Enhanced Sniper Rifle (ESR).

**Justification:**

FY12 Base procurement dollars in the amount of \$ 1.994 million supports the new start procurement of weapon, ancillary components and sniper accessory kit upgrades/modifications enhancing the snipers capability to perform missions with greater lethality and survivability. In addition, an Engineering Change Proposal (ECP) will be initiated to convert the M107 to the M107A1. The Sniper Rifle Modification Program consolidates Army initiatives to procure enhancements to sniper systems.

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature M119 MODIFICATIONS (GC0401)
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Program Elements for Code B Items:			Code: A	Other Related Program Elements:								
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty												
Gross Cost	37.0	46.5	61.3	38.7		38.7	66.6	60.6	35.0	42.2		387.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	37.0	46.5	61.3	38.7		38.7	66.6	60.6	35.0	42.2		387.8
Initial Spares												
Total Proc Cost	37.0	46.5	61.3	38.7		38.7	66.6	60.6	35.0	42.2		387.8
Flyaway U/C												
Weapon System Proc U/C												

<b>P-40 Breakdown</b>										
Area		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016
Active	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	39572.0	49394.0	24755.0	0.0	24755.0	40260.0	34717.0	24374.0	36914.0
National Guard	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	6906.0	11916.0	13946.0	0.0	13946.0	26314.0	25856.0	10661.0	5254.0
Reserve	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	46478	61310	38701	0	38701	66574	60573	35035	42168

**Description:**  
The M119A2 Towed Howitzer providing direct fire support for the Infantry Brigade Combat Teams. Funding in the M119 Modifications budget is in support of the application of modernization system enhancements and includes the integration of digital fire control components previously type classified on other weapons. The integration effort and acquisition of the components is completed by the Army Research Development and Engineering Center (ARDEC), the M119A2 design authority.

**Justification:**  
FY12 Base procurement dollars in the amount of \$38.701 million supports the M119A2E1 Howitzer Digitization Program will provide precision munitions enabling capability to the Brigade Combat Team through the application of a digital fire control to the weapon. The digitized M119A2E1 Howitzer will be able to fire the Precision Guidance Kit (PGK) fuze which will enhance the accuracy of conventional 105mm ammunition. In addition the digital fire control will enhance system survivability and lethality through being able to make tactical moves and acquire targets at a significantly higher rate than an optical fire control equipped weapon. This modification will be applied to the complete fleet of 823 M119A2 Howitzers.

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date:
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February 2011

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature M119 MODIFICATIONS (GC0401)
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Program Elements for Code B Items:	Code: A	Other Related Program Elements:
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IAW Section 1815 of the FY08 NDAA this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

Exhibit P-40M, Budget Item Justification Sheet							Date: February 2011			
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles					P-1 Item Nomenclature M119 MODIFICATIONS (GC0401)					
Appropriation / Budget Activity / Serial No:					P-1 Item Nomenclature					
Program Elements for Code B Items:					Code: A		Other Related Program Elements:			
Description		Fiscal Years								
OSIP No.	Classification	2010 & PR	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	TC	Total
M119 Modifications										
0-00-00-0000	Operational	24.0	21.5	0.0	0.0	0.0	0.0	0.0	0.0	45.5
Capability Package										
0-00-00-0000	Operational	0.0	0.0	0.0	0.0	0.0	0.0	16.5	16.5	33.0
LASIP										
0-00-00-0000		34.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.2
Digitization										
0-00-00-0000	Operational	25.3	39.8	38.7	66.6	60.6	35.0	25.7	25.7	317.4
Totals		83.5	61.3	38.7	66.6	60.6	35.0	42.2	42.2	430.1

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE: Digitization [MOD 4] 0-00-00-0000

MODELS OF SYSTEM AFFECTED: Howitzer, Light Towed, 105mm M119

**DESCRIPTION / JUSTIFICATION:**

The digital fire control modification includes an Inertial Navigation Unit (INU), Gunner Display, Chief of Section Display, power supply, and the associated cable and brackets to mount it on the M119A2 Howitzer. The Digitization modification increases weapon responsiveness/lethality and survivability.

Application will occur in Battalion sets of 17 each over a two-month period.

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):**

**Installation Schedule**

	Pr Yr Totals	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs									37	40	40	41	42	47	51	51	51	47	51	51	51
Outputs									17	33	35	34	34	51	51	51	51	51	51	51	51
		FY 2016				FY 2017				FY 2018				FY 2019				To	Totals		
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete			
Inputs		47	51	51	51	23													823		
Outputs		51	51	51	51	51	7												823		

METHOD OF IMPLEMENTATION: Field Team      ADMINISTRATIVE LEADTIME: 1 months      PRODUCTION LEADTIME: 12 months  
 Contract Dates: FY 2012 - Oct 2011      FY 2013 - Oct 2012      FY 2014 - Oct 2013  
 Delivery Dates: FY 2012 - Oct 2012      FY 2013 - Oct 2013      FY 2014 - Oct 2014

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE (cont): Digitization [MOD 4] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	FY 2010 and Prior		2011		2012		2013		2014		2015		2016		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>Procurement</b>																	
<b>Installation of Hardware</b>																		
Integration Prod/Init Spares	50	23.5	150	37.0	150	35.9	180	49.3	161	42.5	75	18.9	30	9.8	27	9.2	823	226.1
Logistics & Fielding		0.8		1.2		1.2		4.0		6.4		6.6		6.9		7.3		34.4
System Eng & Progam Mgn		1.0		1.6		1.6		8.8		7.2		6.7		6.7		6.7		40.3
System Refresh								4.5		4.5		2.8		2.3		2.5		16.6
FY 2010 -- Kits					17		33											50
FY 2011 Equip -- Kits							103		47									150
FY 2012 Equip -- Kits									150									150
FY 2013 Equip -- Kits									7		173							180
FY 2014 Equip -- Kits											21		140					161
FY 2015 Equip -- Kits											10		64		1			75
FY 2016 Equip -- Kits															30			30
TC Equip -- Kits															27			27
Total Installment	0	0.0	0	0.0	17	0.0	136	0.0	204	0.0	204	0.0	204	0.0	58	0.0	823	0.0
Total Procurement Cost		25.3		39.8		38.7		66.6		60.6		35.0		25.7		25.7		317.4

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature M16 RIFLE MODS (GZ2800)
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Program Elements for Code B Items:			Code:		Other Related Program Elements:							
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty												
Gross Cost	139.9	4.2	3.9	3.5		3.5	3.3	3.2	3.2	3.3		164.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	139.9	4.2	3.9	3.5		3.5	3.3	3.2	3.2	3.3		164.5
Initial Spares												
Total Proc Cost	139.9	4.2	3.9	3.5		3.5	3.3	3.2	3.2	3.3		164.5
Flyaway U/C												
Weapon System Proc U/C												

P-40 Breakdown										
Area		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016
Active	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	3734.0	3561.0	3376.0	0.0	3376.0	3265.0	3248.0	3240.0	3292.0
National Guard	Qty	0	0	0	0	0	0	0	0	0
	Gross Cost	101.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reserve	Qty	0	0	252	0	252	0	0	0	0
	Gross Cost	338.0	294.0	100.0	0.0	100.0	0.0	0.0	0.0	0.0
Total	Qty	0	0	252	0	252	0	0	0	0
	Gross Cost	4173	3855	3476	0	3476	3265	3248	3240	3292

**Description:**  
The M16 Rifle Modifications Program provides Combat Optics, Close Quarters Battle (CQB) Kit, Collapsible Buttstock, and a Modular Weapon System (MWS) suite for the M16A2 and the M16A4 Rifles. The MWS includes a rail system, a flashlight mount, a quick attach bracket kit for the M203 Grenade Launcher, and back-up iron sight for the M16A4 Rifle. Based on mission requirements the MWS allows the custom configuration of M16 Rifles with accessories and smaller items, i.e., optics, night sights, and laser pointers.

**Justification:**  
FY12 Base procurement dollars in the amount of \$3.476 million supports the Army in purchasing Improved Combat Optics, Close Quarters Battle Kits, and Collapsible Buttstocks. The Improved Combat Optics will enhance the capability to identify and engage targets from 300 to 600m for long-range first round hit. This system will not degrade the Soldier's ability to conduct reflexive fire techniques and will allow for the Soldier to transition rapidly between long-range engagements and close quarters engagements. The Close Quarters Battle Kit provides the Soldier with multiple low cost items to increase lethality and survivability with the M4 carbine and/or M16A4 rifle.

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2011

Appropriation / Budget Activity / Serial No:

Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature

M14 7.62 RIFLE MODS (GZ2801)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty												
Gross Cost	12.9	8.8										21.7
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	12.9	8.8										21.7
Initial Spares												
Total Proc Cost	12.9	8.8										21.7
Flyaway U/C												
Weapon System Proc U/C												

**Description:**

The M14 Rifle Modification Program provides a modified M14 Rifle with items that enhance the Soldier's target engagement. These items include Combat Optics, Laser Filter Unit Kits, Cleaning Kits, Bipods, Improved Buttstocks and other ancillary items that support the M14 Enhanced Battle Rifle (EBR). The M14 EBR provides units with a weapon system to engage targets to 800 meters.

**Justification:**

FY12 has no funding.

<b>Exhibit P-40M, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature M14 7.62 RIFLE MODS (GZ2801)
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Appropriation / Budget Activity / Serial No:	P-1 Item Nomenclature
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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Description		Fiscal Years								
OSIP No.	Classification	2010 & PR	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	TC	Total
EBR Kit										
TBD	Operational	21.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.7
Totals		21.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.7

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2011

Appropriation / Budget Activity / Serial No:  
Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature  
MODIFICATIONS LESS THAN \$5.0M (WOCV-WTCV) (GC0925)

Program Elements for Code B Items:			Code:		Other Related Program Elements:							
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty												
Gross Cost	174.7	8.5	6.1	3.0		3.0	3.0	3.1	3.1	3.1		204.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	174.7	8.5	6.1	3.0		3.0	3.0	3.1	3.1	3.1		204.6
Initial Spares												
Total Proc Cost	174.7	8.5	6.1	3.0		3.0	3.0	3.1	3.1	3.1		204.6
Flyaway U/C												
Weapon System Proc U/C												

**Description:**

This program procures modification of small arms with a cost less than \$5.000 million to include the procurement of accessory components of optics, mounting systems, bipods, and tripods. Optic sights allow the Soldier to identify and engage targets at longer ranges more effectively than standard iron sights. The M150 Rifle Combat Optic is a powered scope with a ranging reticule enhancing the Soldier ability to engage targets out to 600 meters. Mounting systems provides a means to mount accessory components to weapons and mount weapon systems to platforms. Bipods and tripods are used to stabilize and maneuver a weapon to target. The XM205 (New Start FY 2012) is a lightweight tripod for dismounted machineguns.

**Justification:**

FY12 Base procurement dollars in the amount of \$2.973 million supports the Army by purchasing 2,490 M150 Rifle Combat Optics (RCO) and 220 M3 or XM205 tripods. The M150 RCOs are required to enhance the Soldier's ability over a 1x magnification close combat optic to engage targets out to 600 meters. The tripods are required to stabilize and maneuver a dismounted machine gun to target. Various upgrade, modifications, and accessories are necessary to enhance the Soldier's capability and lethality.

Exhibit P-40M, Budget Item Justification Sheet							Date: February 2011			
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles					P-1 Item Nomenclature MODIFICATIONS LESS THAN \$5.0M (WOCV-WTCV) (GC0925)					
Appropriation / Budget Activity / Serial No:					P-1 Item Nomenclature					
Program Elements for Code B Items:					Code:		Other Related Program Elements:			
Description		Fiscal Years								
OSIP No.	Classification	2010 & PR	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	TC	Total
M150 Rifle Combat Optic (RCO)										
TBD1	Operational	7.9	4.5	2.5	2.5	2.5	2.5	2.6	0.0	25.0
Sniper Components and Accessories										
TBD2	Operational	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
Tripods										
TBD3	Operational	0.3	0.3	0.5	0.5	0.6	0.6	0.5	0.0	3.3
M145 Machine Gun Optic										
TBD4	Operational	27.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	28.0
Closed Mods										
TBD5	Operational	147.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	147.4
Totals		183.3	6.1	3.0	3.0	3.1	3.1	3.1	0.0	204.7

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE: M150 Rifle Combat Optic (RCO) [MOD 1] TBD1

MODELS OF SYSTEM AFFECTED: M4 Carbine, M16A2, M16A4, M249 Squad Automatic Weapon (SAW)

DESCRIPTION / JUSTIFICATION:

The M150 Rifle Combat Optic (RCO) provides improved capability to recognize and engage targets at ranges from 300 to 600 meters with the M4, M16A2 and M16A4, and the M249 Squad Automatic Weapon. The optic does not degrade the Soldier's ability to conduct reflexive fire techniques and allows the Soldier to transition rapidly between long range and close quarters engagements.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Milestone B/Developmental/Operational Testing      2Q07 (Actual)  
 Milestone C/Type Classification (Standard)      3Q08 (Actual)  
 First Unit Equipped      4Q08 (Actual)

Installation Schedule

	Pr Yr Totals	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Inputs																						
Outputs																						

  

	FY 2016				FY 2017				FY 2018				FY 2019				To Complete	Totals				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
Inputs																						
Outputs																						

METHOD OF IMPLEMENTATION: Troop Installation      ADMINISTRATIVE LEADTIME: 3 months      PRODUCTION LEADTIME: 4 months  
 Contract Dates:      FY 2012 - Jan 12      FY 2013 - Jan 13      FY 2014 - Jan 14  
 Delivery Dates:      FY 2012 - Apr 12      FY 2013 - Apr 13      FY 2014 - Apr 14

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE (cont): M150 Rifle Combat Optic (RCO) [MOD 1] TBD1

FINANCIAL PLAN: (\$ in Millions)

	FY 2010 and Prior		2011		2012		2013		2014		2015		2016		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>																	
<b>Procurement</b>																		
<b>Installation of Hardware</b>																		
Quantity	8533		4667		2490		2425		2386		2310		2323				25134	
Hardware		7.1		4.0		2.2		2.2		2.2		2.2		2.3				22.2
Engineering Support		0.3		0.2		0.1		0.1		0.1		0.1		0.1				1.0
Testing		0.1		0.1														0.2
Integrated Logistical Support		0.2		0.1		0.1		0.1		0.1		0.1		0.1				0.8
Fielding		0.2		0.1		0.1		0.1		0.1		0.1		0.1				0.8
FY 2009 & Prior Equip -- Kits																		
FY 2010 -- Kits																		
FY 2011 Equip -- Kits																		
FY 2012 Equip -- Kits																		
FY 2013 Equip -- Kits																		
FY 2014 Equip -- Kits																		
FY 2015 Equip -- Kits																		
FY 2016 Equip -- Kits																		
TC Equip- Kits																		
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		7.9		4.5		2.5		2.5		2.5		2.5		2.6		0.0		25.0

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE: Tripods [MOD 3] TBD3

MODELS OF SYSTEM AFFECTED: M2 .50 Cal Machine Gun, MK-19 Grenade Machine Gun, XM806 Lightweight Machine Gun

DESCRIPTION / JUSTIFICATION:  
 The M3 Tripod and XM205 Lightweight Tripod support the M2, MK19 and XM806 Lightweight Machine Guns in the dismantled role. The XM205 Tripod goal reduces the Soldier's weight burden by 30% (M3 tripod weighs 44 pounds), and provides enhanced integrated traverse and elevation mechanism for quicker, more accurate target engagement.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Production Verification Test      2Q11 (Planned)  
 Operational Test                      2Q11 (Planned)  
 Type Classification - Standard      1Q12 (Planned)  
 First Unit Equipped                  4Q12 (Planned)

Installation Schedule

Pr Yr Totals	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																				
Outputs																				

  

FY 2016				FY 2017				FY 2018				FY 2019				To Complete	Totals	
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
Inputs																		
Outputs																		

METHOD OF IMPLEMENTATION:      Field Application      ADMINISTRATIVE LEADTIME:      3 months      PRODUCTION LEADTIME:      6 months  
 Contract Dates:                          FY 2012 - Jan 12                          FY 2013 - Jan 13                          FY 2014 - Jan 14  
 Delivery Dates:                          FY 2012 - Jun 12                          FY 2013 - Jun 13                          FY 2014 - Jun 14

**INDIVIDUAL MODIFICATION**

Date: February 2011

MODIFICATION TITLE (cont): Tripods [MOD 3] TBD3

FINANCIAL PLAN: (\$ in Millions)

	FY 2010 and Prior		2011		2012		2013		2014		2015		2016		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RD&amp;E</b>																	
<b>Procurement</b>																		
<b>Installation of Hardware</b>																		
Quantity Tripod	100		100		220		220		220		220		220				1300	
Hardware		0.2		0.2		0.4		0.4		0.5		0.5		0.4				2.6
Engineering, ILS, TPF Support		0.1		0.1		0.1		0.1		0.1		0.1		0.1				0.7
FY 2009 & Prior Equip -- Kits																		
FY 2010 -- Kits																		
FY 2011 Equip -- Kits																		
FY 2012 Equip -- Kits																		
FY 2013 Equip -- Kits																		
FY 2014 Equip -- Kits																		
FY 2015 Equip -- Kits																		
FY 2016 Equip -- Kits																		
TC Equip- Kits																		
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		0.3		0.3		0.5		0.5		0.6		0.6		0.5		0.0		3.3

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2011

Appropriation / Budget Activity / Serial No:

Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature

ITEMS LESS THAN \$5.0M (WOCV-WTCV) (GL3200)

Program Elements for Code B Items:

Code:

B

Other Related Program Elements:

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty												
Gross Cost	115.1	5.5										120.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	115.1	5.5										120.6
Initial Spares												
Total Proc Cost	115.1	5.5										120.6
Flyaway U/C												
Weapon System Proc U/C												

**Description:**

Provides for procurement of small arms, combat optics, auxiliary weapon mounts, mounting platforms, and adaptors. Small arms procured under this budget activity consist of MK48 Machine Guns, M500 Mossberg shotguns, Submachine Guns to include magazines, clamps, holsters, lanyards and cleaning kits, grenade launchers, personal defense weapons, new small caliber weapons not to exceed 40MM and .50 caliber for initial buys or to meet urgent needs. Auxiliary weapon mounts, mounting platforms, and adapters include the M3 Tripod (mount for M2/MK19 Machine Guns), the XM205 Lightweight Tripod, the Swing Arm Mount, the High Mobility Multipurpose Wheeled vehicle (HMMWV) Auxiliary Weapon Mount, the M66 cantilever Arm (mounting platforms used to mount machine guns to the frames of HMMWV's), and the MK93 Adapter.

**Justification:**

FY12 has no funding.

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: ITEMS LESS THAN \$5.0M (WOCV-WTCV) (GL3200)	Weapon System Type:	Date: February 2011
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WTCV Cost Elements	ID	FY 10			FY 11			FY 12 Base			FY 12 OCO			FY 12 Total		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
1.M9 Pistols	A	3827	6700	0.6												
2.M3 Tripod	A	531	688	0.8												
3.M500 Mossberg Shotguns	A	968	3000	0.3												
4.Engineering Support		143														
5.Integrated Logistic Support		80														
<b>Total:</b>		<b>5549</b>														

<b>Exhibit P-5a, Budget Procurement History and Planning</b>	Date: February 2011
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Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army/ 2/ Weapons and other combat vehicles	Weapon System Type:	P-1 Line Item Nomenclature: ITEMS LESS THAN \$5.0M (WOCV-WTCV) (GL3200)
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WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1.M9 Pistols</b> FY 2010	TBS TBS	C / FFP	TACOM, Warren, MI	Mar 11	May 11	6700	0.6			
<b>2.M3 Tripod</b> FY 2010	Sigmatek, Inc Elk Grove Village, IL	C / FFP	TACOM, Rock Island, IL	Apr 10	May 10	688	0.8			
<b>3.M500 Mossberg Shotguns</b> FY 2010	OF Mossberg & Son North Haven, CT	C / IDIQ	TACOM, Warren, MI	Sep 10	Nov 10	3000	0.3			

REMARKS:

FY 10 / 11 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE ITEMS LESS THAN \$5.0M (WOCV-WTCV) (GL3200)										Date: February 2011									
COST ELEMENTS						Fiscal Year 10										Fiscal Year 11													
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10										Calendar Year 11										Later			
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY		JUN	JUL	AUG
1.M9 Pistols																													
1	FY 08	FMS	17923	7378	10545	620	620	620	620	620	620	620	620	620	620	620	620	620	620	620	625							0	
2	FY 10	A	6700	0	6700																	A		600	600	600	600	3700	
3.M500 Mossberg Shotguns																													
4	FY 10	A	3000	0	3000												A		300	300	300	300	300	300	300	300	300	0	
Total					20245	620	620	620	620	620	620	620	620	620	620	620	620	920	920	920	925	300	300	900	900	900	900	600	3700
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

  

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
1	Beretta U.S.A. Corp, Accokeek, MD	1360	8280	34800		1	Initial	3	3	7	10
							Reorder	3	2	2	4
2	TBS, TBS	1360	8280	34800		2	Initial	3	17	3	20
							Reorder	3	14	4	18
3	Sigmatek, Inc, Elk Grove Village, IL	100	200	7200		3	Initial	1	5	2	7
							Reorder	1	5	2	7
4	OF Mossberg & Son, North Haven, CT	150	400	4800		4	Initial	2	11	3	14
							Reorder	2	10	3	13
							Initial				
							Reorder				



**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2011

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles  
 P-1 Item Nomenclature: PRODUCTION BASE SUPPORT (WOCV-WTCV) (GC0050)

Program Elements for Code B Items:			Code:		Other Related Program Elements:							
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty												
Gross Cost	386.2	23.8	7.9	10.1		10.1	10.0	10.0	10.1	10.2		468.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	386.2	23.8	7.9	10.1		10.1	10.0	10.0	10.1	10.2		468.3
Initial Spares												
Total Proc Cost	386.2	23.8	7.9	10.1		10.1	10.0	10.0	10.1	10.2		468.3
Flyaway U/C												
Weapon System Proc U/C												

**Description:**  
 This program provides funding to establish, modernize, expand or replace Army-owned industrial facilities and equipment used in production and production testing of Weapons and Tracked Combat Vehicles and their components. The program also provides for the preserving, storing and disposing for facilities and equipment that are either not required for current active production or are not needed by the Army. Provisioning of Industrial Facilities (PIF) occurs at Aberdeen Test Center, MD; White Sands Missile Range, NM; Yuma Proving Grounds, AZ; Rock Island Arsenal; Watervliet Arsenal and General Dynamics-Armaments and Technical Products, Saco, ME. The Layaway of Industrial Facilities (LIF) funding supports efforts at Rock Island, IL and Watervliet, NY arsenals. This program also provides funding for the Arsenal Support Program Initiative.

**Justification:**  
 FY12 Base procurement dollars in the amount of \$10.080 million support the PIF and LIF programs. The PIF funding will support upgrade and replacement of technically or economically obsolete production test instrumentation to ensure that complete and accurate test data is collected and that safety and environmental hazards are minimized. Benefits of this effort include increased test efficiencies and decreased costs and risks to Army program managers. The PIF funding will also support the repair, upgrade or replacement of government-owned equipment used in the production of gun barrels for small caliber weapons such as the MK19 Grenade Machine Gun, the M2 Machine Gun and the M242 Bushmaster Chain Gun. PIF projects are essential in fulfilling current and projected contingency operations requirements in direct support of Overseas Contingency Operations (OCO). Also, the establishment of new technology and modern equipment to produce and fabricate new materials and alloys, such as composites and titanium, at Rock Island Arsenal, is critical in enabling the Army to support OCO by meeting both small arms and medium caliber weapon requirements and combat, combat service support, and combat support vehicles and their components requirements. Benefits of this effort include the ability to maintain lower unit costs for production items and the introduction of lightweight, high-wear components. The Layaway of Industrial Facilities effort at all facilities preserves the Army's abilities to respond to increases in production capabilities while keeping active production costs down. The effort allows the Army to excess equipment no longer needed. Economies are derived from this effort that benefits the entire Army. This PIF funding directly supports production of small to large caliber weapons systems at RIA with equipment requests supporting current and new manufacturing capabilities such as small arms spare parts and gages (e.g. 50-caliber M2 Machine Gun, MK19, M4/16 Rifle) larger manufacturing capabilities (miscellaneous armor, spares M119 spares and gun carriages) and the introduction of new technology and modern equipment to produce and fabricate new material and alloys, such as composites and titanium. For example, the Small Arms repair parts manufacturing focus factory requires high volume (parts count-wise) and a smaller work envelope than current machines allow. Equipment is not unique to small arms parts production but does represent a part size or quantity requirement that is not economically satisfied by current equipment mix. Upgrade or replacement of technically or economically obsolete production equipment (either 1946 vintage or last replaced in 1976) will ensure increased efficiencies with decreased costs and risk to Army. At Watervliet Arsenal (WVA), efforts will be made to replace machine equipment to obtain new state-of-the-art equipment. Service support and spare parts from the original equipment manufacturer for the existing equipment are non-existent. Mechanically, machines are becoming severely worn. Tolerances are difficult to maintain. The goal in replacing this equipment is to process cannon components to meet current and future production needs of cannon. Failure to maintain this capability will result in WVA losing or severely limiting its ability to produce individual cannon components required of cannon production. Replacing the equipment will keep WVA

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date:
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February 2011

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature PRODUCTION BASE SUPPORT (WOCV-WTCV) (GC0050)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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technologically current and provide the added ability and flexibility to address new cannon configurations and designs. With replacement equipment new sources of service support and spare parts will be readily available. This will ensure flexible response to the Army's changing needs.

<b>Exhibit P-5, Weapon WTCV Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Line Item Nomenclature: PRODUCTION BASE SUPPORT (WOCV-WTCV) (GC0050)	Weapon System Type:	Date: February 2011
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WTCV Cost Elements	ID	FY 10			FY 11			FY 12 Base			FY 12 OCO			FY 12 Total		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
PIF		4667			7335			9525						9525		
LIF		19114			534			555						555		
<b>Total:</b>		<b>23781</b>			<b>7869</b>			<b>10080</b>						<b>10080</b>		

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature PIF2 OMNIBUS (WOCV-WTCV) (GC2001)
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Program Elements for Code B Items:	Code:			Other Related Program Elements:								
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty												
Gross Cost	274.9	4.7	7.3	9.5		9.5	9.4	9.4	9.5	9.6		334.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	274.9	4.7	7.3	9.5		9.5	9.4	9.4	9.5	9.6		334.3
Initial Spares												
Total Proc Cost	274.9	4.7	7.3	9.5		9.5	9.4	9.4	9.5	9.6		334.3
Flyaway U/C												
Weapon System Proc U/C												

**Description:**  
This program provides funding to the Army Test and Evaluation Command (ATEC), Developmental Test Command (DTC) to establish, modernize, expand or replace test facilities used in production testing of Weapons and Tracked Combat Vehicles and their components. It sustains Army production test capabilities through upgrade and replacement of instrumentation and equipment that is technologically and/or economically obsolete. Modernization of test instrumentation and equipment provides increased automation and efficiencies, improved data quality and quantity and cost avoidance to Army Program Managers. Programmed funding will be used to upgrade or replace production test instrumentation and equipment at Aberdeen Test Center (ATC), Aberdeen Proving Ground, MD; White Sands Missile Range (WSMR), NM and Yuma Proving Ground (YPG), Yuma, AZ.

This program also provides funding for the repair and refurbishment of Army-owned equipment used in the production of gun barrels for small caliber weapons. Programmed funding will be used to repair Hot and Cold Forges at General Dynamics - Armaments Technical Products, Saco, ME. It will be used to repair, upgrade or replace current machine equipment and to establish new technology and modern equipment to produce and fabricate new materials and alloys, such as titanium and composites at Rock Island Arsenal. Similarly, it will be used to repair and upgrade current machine equipment or to replace it with modern equipment at Watervliet Arsenal.

**Justification:**  
FY12 Base procurement dollars in the amount of \$9.525 million supports the Provisioning of Industrial Facilities (PIF). ATEC: At ATC, FY2012 procures upgrade of instrumentation and equipment used in the Light Armor Range Complex for ballistic testing of armor plate; replacement of antiquated mobile temperature conditioning units (cold chambers), and instrumentation and equipment controls, and tanks that store and distribute carbon dioxide (CO2) used to provide ambient and low temperature environmental conditioning of test items; upgrade of laboratory test equipment that simulates extremely harsh vibration environments that prime movers experience in the field (used for reliability and durability tests); new advanced technology instrumentation and equipment (target generating, target tracking and threat simulation) in the Moving Target Simulator used to assess fire control performance on advanced combat systems; new robust laptop and desktop workstations to streamline the acquisition, processing, and distribution of reliability, availability and maintainability (RAM) test data and replacement field analysis instrumentation used to test for toxic fumes and provide chemical identification analysis. At WSMR, FY 2012 procures replacement instrumentation in WSMR's nuclear, directed energy, and Electromagnetic Environment Effects (E3) test simulators, (which, due to excessive use, age, and deterioration of components no longer meets regulatory, customer and/or mission requirements). At YPG, FY 2012 procures replacement toxic fumes analyzers and support equipment used in emissions testing of vehicles, weapon systems, and support equipment.; replacement ballistic test instrumentation including pyroshock accelerometers, blast over pressure gages, infrared flash detectors and triggers and various types of displacement transducers used to assess weapons ballistic performance ; and replacement of aged chemistry lab equipment used to analyze vehicle wastes and emissions. The majority of the instrumentation being upgraded or replaced is obsolete and has met or exceeded its economic life. This instrumentation is required to ensure complete and accurate test data is collected and safety and environmental hazards are minimized.

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date:
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February 2011

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles	P-1 Item Nomenclature PIF2 OMNIBUS (WOCV-WTCV) (GC2001)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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PIF projects are essential in fulfilling current and projected contingency operations requirements in direct support of Overseas Contingency Operations (OCO). The repair, upgrade or replacement of current machine equipment and the establishment of new technology and modern equipment to produce and fabricate new materials and alloys, such as titanium and composites at Rock Island Arsenal, is critical in enabling the army to meet OCO commitments by meeting both small arms and medium to large caliber weapon requirements and combat, combat service support, and combat support vehicles and their components requirements. The replacement of aging machine equipment at Watervliet Arsenal will maintain readiness by averting old equipment breakdowns and increase flexibility in the manufacturing process.

FY12 Base will also provide for the repair and refurbishment of Hot and Cold Forges used in the production of gun barrels for the MK19 Grenade Launcher and M2 Machine Gun at General Dynamics - Armaments Technical Products, Saco, ME. The Economic advantage derived from these unique forges will benefit the Army and produce substantial long-term savings. Due to pressing need to repair and overhaul these forges, funding is being requested to prevent catastrophic failure of these 23 + year-old forges for which there is no back-up in the US supply base.

<b>Exhibit P-40C, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army/2/Weapons and other combat vehicles	P-1 Item Nomenclature PIF2 OMNIBUS (WOCV-WTCV) (GC2001)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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<u>Location</u>	<u>Project Title</u>	<u>Project</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>
<u>Production Support</u>					
GDLS	Hot & Cold Forge	U7668		405	
Rock Island Arsenal - JMTC	Large Capacity Mills (Small Arms)	U7669		1722	2375
ATEC	ATEC	00000	4667	3470	4775
Watervliet Arsenal	Machine Equipment	U7670		1738	2375
	<b>Subtotal - Production</b>		<b>4,667</b>	<b>7,335</b>	<b>9,525</b>
<u>Environmental</u>					
	<b>Subtotal - Environmental</b>		<b>0</b>	<b>0</b>	<b>0</b>
	<b>Total Industrial Facilities</b>		<b>4,667</b>	<b>7,335</b>	<b>9,525</b>

<b>Exhibit P-25, Production Support and Industrial Facilities Cost Analysis (<i>Dollars in Thousands</i>)</b>	1. Date: February 2011
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2. Project Title/Type Hot & Cold Forge	3. End Item Supported Model Not Applicable
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4. Project Number: U7668	5. Annual Capacity Before (1-8-5) N/A	6. Annual Capacity After (1-8-5): N/A
-----------------------------	--	--

Element of Cost	FY 10	FY 11	FY 12	H. Facility																
<b>A. Construction Cost</b>				1. Name: <u>GDLS</u>																
<b>B. Equipment Cost*</b> (Individual equipment cost should be specified for all equipment costing more than \$0.5 Million)				2. Location: <u>Saco, ME</u>																
1. Hot & Cold Forge		405		3. Type (GOGO, GOCO, COCO): <u>GOCO</u>																
2.				<b>I. Related Projects</b>																
3.				<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;">Project Number</th> <th style="width:30%;">Title</th> <th style="width:10%;">FY &amp; Appn</th> <th style="width:10%;">Value (\$ Mil)</th> <th style="width:10%;">Facing</th> <th style="width:10%;">Start Date</th> <th style="width:10%;">Compl Date</th> </tr> </thead> <tbody> <tr> <td> </td> </tr> </tbody> </table>	Project Number	Title	FY & Appn	Value (\$ Mil)	Facing	Start Date	Compl Date									
Project Number	Title	FY & Appn	Value (\$ Mil)	Facing	Start Date	Compl Date														
<b>Subtotal Costs</b>		405																		
<b>C. Equipment Installation Cost</b>																				
<b>D. Contractor Support Cost</b>																				
<b>E. Corps of Engineers Support Cost</b>																				
<b>F. Other In-House Support Cost</b>																				
<b>Total Facility Project Cost</b>		405		<b>J. Principal Milestones</b>																
<b>G. Other Costs</b>				<table style="width:100%;"> <tr> <td style="width:80%;"></td> <td style="text-align: right;"><b>Month &amp; Year</b></td> </tr> <tr> <td>    1. Facility Prove-out Cost</td> <td style="text-align: right;"><u>Not Applicable</u></td> </tr> <tr> <td>    2. Material Construction Appn.</td> <td style="text-align: right;"><u>Not Applicable</u></td> </tr> <tr> <td></td> <td style="text-align: right;"><u>Not Applicable</u></td> </tr> </table>		<b>Month &amp; Year</b>	1. Facility Prove-out Cost	<u>Not Applicable</u>	2. Material Construction Appn.	<u>Not Applicable</u>		<u>Not Applicable</u>		<u>Not Applicable</u>		<u>Not Applicable</u>		<u>Not Applicable</u>		<u>Not Applicable</u>
	<b>Month &amp; Year</b>																			
1. Facility Prove-out Cost	<u>Not Applicable</u>																			
2. Material Construction Appn.	<u>Not Applicable</u>																			
	<u>Not Applicable</u>																			
	<u>Not Applicable</u>																			
	<u>Not Applicable</u>																			
	<u>Not Applicable</u>																			
	<u>Not Applicable</u>																			

**Narrative Explanation:**

<b>Exhibit P-25, Production Support and Industrial Facilities Cost Analysis (<i>Dollars in Thousands</i>)</b>	1. Date: February 2011
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2. Project Title/Type Large Capacity Mills (Small Arms)	3. End Item Supported Model Not Applicable
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4. Project Number: U7669	5. Annual Capacity Before (1-8-5) N/A	6. Annual Capacity After (1-8-5): N/A
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Element of Cost	FY 10	FY 11	FY 12	H. Facility														
<b>A. Construction Cost</b>				1. Name: <u>Rock Island Arsenal - JMTC</u>														
<b>B. Equipment Cost*</b> (Individual equipment cost should be specified for all equipment costing more than \$0.5 Million)				2. Location: <u>Rock island, IL</u>														
1. Large Capacity Mills		1722	2375	3. Type (GOGO, GOCO, COCO): <u>GOGO</u>														
2.				<b>I. Related Projects</b>														
3.				<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;">Project Number</th> <th style="width:30%;">Title</th> <th style="width:10%;">FY &amp; Appn</th> <th style="width:10%;">Value (\$ Mil)</th> <th style="width:10%;">Facing</th> <th style="width:10%;">Start Date</th> <th style="width:10%;">Compl Date</th> </tr> </thead> <tbody> <tr> <td> </td> </tr> </tbody> </table>	Project Number	Title	FY & Appn	Value (\$ Mil)	Facing	Start Date	Compl Date							
Project Number	Title	FY & Appn	Value (\$ Mil)	Facing	Start Date	Compl Date												
<b>Subtotal Costs</b>		1722	2375															
<b>C. Equipment Installation Cost</b>																		
<b>D. Contractor Support Cost</b>																		
<b>E. Corps of Engineers Support Cost</b>																		
<b>F. Other In-House Support Cost</b>																		
<b>Total Facility Project Cost</b>		1722	2375															
<b>G. Other Costs</b>				<b>J. Principal Milestones</b>														
1. Facility Prove-out Cost				1. Concept Design Complete: <u>Not Applicable</u>														
2. Material Construction Appn.				2. Final Design Complete: <u>Not Applicable</u>														
				3. Initial/Final Project Award: <u>Not Applicable</u>														
				4. Construction Complete: <u>Not Applicable</u>														
				5. Equipment Installation Complete: <u>Not Applicable</u>														
				6. Prove Out Begins: <u>Not Applicable</u>														
				7. Prove Out Complete: <u>Not Applicable</u>														

**Narrative Explanation:**  
Replacement of our large capacity mills. One of our large mills is 1946 vintage and another was made circa 1976. By embracing current technology and capabilities, not only can support workload be migrated off the existing large capacity mills, but general production workload could also be processed in a more efficient manner.

<b>Exhibit P-25, Production Support and Industrial Facilities Cost Analysis (<i>Dollars in Thousands</i>)</b>	1. Date: February 2011
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2. Project Title/Type ATEC	3. End Item Supported Model Not Applicable
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4. Project Number: 00000	5. Annual Capacity Before (1-8-5) N/A	6. Annual Capacity After (1-8-5): N/A
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Element of Cost	FY 10	FY 11	FY 12	H. Facility														
<b>A. Construction Cost</b>				1. Name: <u>ATEC</u>														
<b>B. Equipment Cost*</b> (Individual equipment cost should be specified for all equipment costing more than \$0.5 Million)				2. Location: <u>ATEC</u>														
1.	4667	3470	4775	3. Type (GOGO, GOCO, COCO): <u>-</u>														
2.				<b>I. Related Projects</b>														
3.																		
<b>Subtotal Costs</b>	4667	3470	4775	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;">Project Number</th> <th style="width:40%;">Title</th> <th style="width:10%;">FY &amp; Appn</th> <th style="width:10%;">Value (\$ Mil)</th> <th style="width:10%;">Facing</th> <th style="width:10%;">Start Date</th> <th style="width:10%;">Compl Date</th> </tr> </thead> <tbody> <tr> <td> </td> </tr> </tbody> </table>	Project Number	Title	FY & Appn	Value (\$ Mil)	Facing	Start Date	Compl Date							
Project Number	Title	FY & Appn	Value (\$ Mil)	Facing	Start Date	Compl Date												
<b>C. Equipment Installation Cost</b>																		
<b>D. Contractor Support Cost</b>																		
<b>E. Corps of Engineers Support Cost</b>																		
<b>F. Other In-House Support Cost</b>																		
<b>Total Facility Project Cost</b>	4667	3470	4775	<b>J. Principal Milestones</b>														
<b>G. Other Costs</b>																		
1. Facility Prove-out Cost				1. Concept Design Complete: <u>Not Applicable</u>														
2. Material Construction Appn.				2. Final Design Complete: <u>Not Applicable</u>														
				3. Initial/Final Project Award: <u>Not Applicable</u>														
				4. Construction Complete: <u>Not Applicable</u>														
				5. Equipment Installation Complete: <u>Not Applicable</u>														
				6. Prove Out Begins: <u>Not Applicable</u>														
				7. Prove Out Complete: <u>Not Applicable</u>														

**Narrative Explanation:**



**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2011

Appropriation / Budget Activity / Serial No:

Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature

LAYAWAY OF INDUSTRIAL FACILITIES (GC2100)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty												
Gross Cost	111.3	19.1	0.5	0.6		0.6	0.6	0.6	0.6	0.6		133.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	111.3	19.1	0.5	0.6		0.6	0.6	0.6	0.6	0.6		133.9
Initial Spares												
Total Proc Cost	111.3	19.1	0.5	0.6		0.6	0.6	0.6	0.6	0.6		133.9
Flyaway U/C												
Weapon System Proc U/C												

**Description:**

Provides for the preservation, storage, decontamination and plant clearance requirements of industrial facilities and equipment that are no longer required to support current production at Watervliet Arsenal. Efforts at Watervliet Arsenal will consist of excessing machines and performing plant restoration on required machine foundations, floors and vacated space.

The Arsenal Support Program Initiative (ASPI) incentive funding is used to renovate/modernize idle and underutilized government-owned facilities to make them usable and attractive to paying commercial tenants. Congress first authorized the ASPI within the FY2001 Defense Authorization Act (PL 106-398) and subsequently extended the program through FY2008. The ASPI is applicable to the Rock Island Arsenal (RIA) Joint Manufacturing and Technology Center (JMTC), and Watervliet Arsenal (WVA). The ASPI program is designed to integrate civilian commercial activity into the arsenals to reduce government operating costs by sharing overhead burdens. The benefits to the Army include overhead cost reduction, reduced facility maintenance costs, local skill retention, positive community relations, and reduction of future conveyance costs. These efforts support the Headquarters, U.S. Tank-Automotive and Armaments Command's initiative to reduce Industrial Mobilization Capacity costs and avoid unneeded infrastructure costs.

**Justification:**

FY12 Base procurement dollars in the amount of \$.555 million supports continued footprint reduction efforts at Watervliet Arsenal. Footprint reduction programs allow the arsenals to be more efficient and reduce their operating costs. This results in lower unit cost of weapon systems production. These efforts support the Headquarters, U.S. Army Tank-Automotive Armaments Command's initiative to reduce Industrial Mobilization Capacity expenditures and avoid the cost of maintaining unneeded infrastructure.

<b>Exhibit P-40C, Budget Item Justification Sheet</b>	Date: February 2011
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Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army/2/Weapons and other combat vehicles	P-1 Item Nomenclature LAYAWAY OF INDUSTRIAL FACILITIES (GC2100)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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<u>Location</u>	<u>Project Title</u>	<u>Project</u>	<u>FY 10</u>	<u>FY 11</u>	<u>FY 12</u>
Watervliet Arsenal	Watervliet, New York	Layaway of Industrial Facilities (LIF)	U7667	0.889	0.534
Rock Island, Arsenal	Rock Island, Illinois	Arsenal Support Program Initiative (ASPI)	A7667	9.710	
Watervliet Arsenal	Watervliet, New York	Arsenal Support Program Initiative (ASPI)	A7667	8.515	
Total				19.114	0.534
					0.555

<b>Exhibit P-17, Layaway and/or Distribution</b>							Date: February 2011
Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army/2/Weapons and other combat vehicles					P-1 Item Nomenclature LAYAWAY OF INDUSTRIAL FACILITIES (GC2100)		
Project: U7667	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>
-	0.889	0.534	0.555	0.570	0.595	0.618	0.630
Title: Layaway of Industrial Facilities (LIF) Description:							
<b>Manufacturer (Name and Location)</b> Watervliet ArsenalWatervliet, New York		<b>Production Lines being laid away (Include Location)</b> Areas in Building 20, 25, 35, 110, 135			<b>Production Ends</b> Continuous		
<b>Layaway Cost:</b>		<b>Other Costs:</b>			<b>Annual Maintenance Cost:</b>		
Project: A7667	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>
-	9.710						
Title: Arsenal Support Program Initiative (ASPI) Description:							
<b>Manufacturer (Name and Location)</b> Rock Island, Arsenal Rock Island, Illinois		<b>Production Lines being laid away (Include Location)</b>			<b>Production Ends</b>		
<b>Layaway Cost:</b>		<b>Other Costs:</b>			<b>Annual Maintenance Cost:</b>		
Project: A7667	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>
-	8.515						
Title: Arsenal Support Program Initiative (ASPI) Description:							
<b>Manufacturer (Name and Location)</b> Watervliet ArsenalWatervliet, New York		<b>Production Lines being laid away (Include Location)</b>			<b>Production Ends</b>		
<b>Layaway Cost:</b>		<b>Other Costs:</b>			<b>Annual Maintenance Cost:</b>		

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2011

Appropriation / Budget Activity / Serial No: Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles  
 P-1 Item Nomenclature INDUSTRIAL PREPAREDNESS (GC0075)

Program Elements for Code B Items:			Code:		Other Related Program Elements:							
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty												
Gross Cost	175.6	0.4	0.4	0.4		0.4	0.4	0.5	0.4	0.3		178.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	175.6	0.4	0.4	0.4		0.4	0.4	0.5	0.4	0.3		178.5
Initial Spares												
Total Proc Cost	175.6	0.4	0.4	0.4		0.4	0.4	0.5	0.4	0.3		178.5
Flyaway U/C												
Weapon System Proc U/C												

**Description:**  
 This program provides for the maintenance of laid away portions of active weapons production plants, and the storage, protection, and maintenance of laid away Government-owned equipment being stored on-site at Government-owned plants. The funding represents the storage costs for laid away production items from Watervliet Arsenal. The funds also pay for laid away machine tools, gauges, special measuring equipment, tooling and fixturing stored at Watervliet Arsenal.

**Justification:**  
 FY12 Base procurement dollars in the amount of \$.424 million support the maintenance of laid-away weapons production facilities to include utilities, buildings, non-severable equipment, plant equipment, special tooling, and special test equipment being retained as part of approved Army Reserve Plants, which are required to support future production and replenishment requirements. Funds are required to perform periodic inspection and maintenance of the laid away equipment to preclude this unique equipment from deteriorating and jeopardizing planned reactivation capabilities and timelines. Failure to maintain the equipment in a ready state risks significant delays in supporting essential warfighting materiel. This program also includes the appropriate allocation of recurring overhead costs associated with the laid away facilities and equipment such as roads and grounds maintenance, fire protection, plant security, and administrative support.

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2011

Appropriation / Budget Activity / Serial No:  
Procurement of W&TCV, Army / 2 / Weapons and other combat vehicles

P-1 Item Nomenclature  
SMALL ARMS EQUIPMENT (SOLDIER ENH PROG) (GC0076)

Program Elements for Code B Items:			Code:		Other Related Program Elements:							
	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty												
Gross Cost	92.5	5.0	4.0	2.5		2.5	2.3	2.5	2.4	2.5		113.7
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	92.5	5.0	4.0	2.5		2.5	2.3	2.5	2.4	2.5		113.7
Initial Spares												
Total Proc Cost	92.5	5.0	4.0	2.5		2.5	2.3	2.5	2.4	2.5		113.7
Flyaway U/C												
Weapon System Proc U/C												

**Description:**

This program provides ancillary small arms equipment to the Soldier and equipment for the Soldier Enhancement Program (SEP). The mission of SEP is to identify and evaluate commercially available individual weapons, munitions, Soldier equipment and accessories, etc., which can be adopted and provided to Soldiers in three years or less. The nature of the items determines the acquisition strategy, market survey, candidate evaluation and down select method, scope of testing, adoption decision and fielding process. Each year up to 100 proposals are received and reviewed for suitable solutions to keep up with ever-changing technologies and new and improved ways to equip and maintain our soldiers. Proposals that match up with user capability gaps presented at the Semi-annual PEO Soldier/TRADOC SEP review and compete for funding in the upcoming fiscal year. In FY2012, there may be several new initiatives to procure: Sniper Collimator; Flare Launcher (non-lethal); Sniper Quick Fire Sight; Sniper Mirage Mitigating Device; and the M110 Compact SASS.

**Justification:**

FY2012 Base procurement dollars in the amount of \$2.453 million procures the Advanced Sniper Accessory Kit, Sniper Mirage Mitigating Device and M110 Compact Semi-Automatic Sniper System (SASS). The Advanced Sniper Accessory Kit provides the sniper teams performance enhancing capabilities such as a Laser Range Finder, a Ballistic Computer, a Boresight Device, etc. The Sniper Mirage Mitigating Device eradicates suppressor's thermal image which hinders sniper ability when using high power optics, to accurately aim the weapon and estimate wind speeds/direction down range. The M110 Compact Semi-Automatic Sniper System (SASS) is a compact and lighter weight version of the M110 with a shorter 16" barrel, collapsible buttstock, new suppressor and slightly modified receiver. The M110 Compact SASS provides a full spectrum and versatile SASS to sniper teams without sacrificing performance, accuracy, and reliability.

**Exhibit P-40, Budget Item Justification Sheet**

Date: February 2011

Appropriation / Budget Activity / Serial No:  
Procurement of W&TCV, Army / 3 / Spare and repair parts

P-1 Item Nomenclature  
SPARES AND REPAIR PARTS (WTCV) (GE0150)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total Prog
Proc Qty												
Gross Cost	109.1			106.8		106.8	34.5	0.6	0.7	0.7		252.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc P1	109.1			106.8		106.8	34.5	0.6	0.7	0.7		252.4
Initial Spares												
Total Proc Cost	109.1			106.8		106.8	34.5	0.6	0.7	0.7		252.4
Flyaway U/C												
Weapon System Proc U/C												

**Description:**

This program provides for the procurement of spares to support initial fielding of new or modified end items.

**Justification:**

FY12 Base procurement dollars in the amount of \$106.843 million supports initial spares of new or modified end items.

Stryker: \$99.624 million  
Abrams: \$ 7.219 million  
Total: \$106.843 million