

# DEPARTMENT OF THE ARMY

## Procurement Programs



Committee Staff Procurement Backup Book

Fiscal Year (FY) 2008 Global War on Terror Budget Estimate Submission Cost Estimate

### **OTHER PROCUREMENT, ARMY Communications and Electronics**

Budget Activity 2

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APPROPRIATION

September 2007

Appropriation: Other Procurement, Army  
 Activity: 02 Communications and Electronics Equipment

			FY08 Baseline	FY08 Main Supplemental	FY08 Cost Adjustment	FY08 Total Requirement
<b>Comm - Satellite Communications</b>						
23	<b>BB8500</b>	DSCS	87,772	18,614		106,386
24	BA9350	SHF TERM	8,790	22,822		31,612
25	K77200	SAT Term EMUT	812	17,600		18,412
26	K47800	NAVSTAR GPS	86,877	50,745		137,622
27	BC4002	SMART-T	50,412	2,041		52,453
		<b>Sub-Activity Total</b>	<b>234,663</b>	<b>111,822</b>	<b>0</b>	<b>346,485</b>
31	BA8250	Army Global CMD & Control System (AGCCS)	25,512	2,755	2,755	31,022
		<b>Sub-Activity Total</b>	<b>25,512</b>	<b>2,755</b>	<b>2,755</b>	<b>31,022</b>
<b>Comm - Combat Communications</b>						
		Army Data Distribution System (ADDS)				
32	BU1400	(ADDS)	7,893	23,540		31,433
34	BW0006	SINCGARS Family	137,080	1,370,347	878,000	2,385,427
38	BB1500	Bridge to Future Networks	433,526	2,560,547		2,994,073
39	BA5210	C-E Contingency /Fielding Equip	7,902	2,000	2,000	11,902
43	B03200	CSEL	12,072	43,831	35,500	91,403
44	BU8100	Radio Improved HF Family	65,530	433,398	28,890	527,818
45	MA8046	Medical Command for Combat Casualty Care	19,525	12,934	61,724	94,183
		<b>Sub-Activity Total</b>	<b>683,528</b>	<b>4,446,597</b>	<b>1,006,114</b>	<b>6,136,239</b>
<b>Comm - Intelligence Communications</b>						
46	BK5284	CI Automation Architecture	1,461	7,410		8,871
		<b>Sub-Activity Total</b>	<b>1,461</b>	<b>7,410</b>	<b>0</b>	<b>8,871</b>

			FY08 Baseline	FY08 Main Supplemental	FY08 Cost Adjustment	FY08 Total Requirement
<b>Comm - Information Security</b>						
47	BA1201	TSEC - Army Key Managment System	23,225	51,600	24,000	98,825
48	TA0600	Information Systems Security Program	60,301	96,651	58,340	215,292
53	BB8650	Information Systems	156,170		9,546	165,716
<b>Sub-Activity Total</b>			<b>239,696</b>	<b>148,251</b>	<b>91,886</b>	<b>479,833</b>

**Elect Equip - Tactical Intelligence Related Activities (MIP)**

All Source Analysis System						
59	KA4400	(ASAS) (MIP)	36,132	103,500		139,632
61	BZ7326	Prophet Ground (MIP)	119,482	23,000		142,482
62	B00301	TUAS (MIP)	196,419	213,485	19,760	429,664
63	B00303	Small UAV	20,682	10,400	13,774	44,856
65	KA2550	DTSS (MIP)	34,604	12,000	5,000	51,604
67	BZ7317	TES			19,500	19,500
68	BZ7316	DCGS-A	114,842	62,331		177,173
CI HUMIG Info Management						
72	BK5275	System (CHIMS) (MIP)	26,310	1,200		27,510
73	BK5278	Items Less Than \$5M (MIP)	17,903	15,300		33,203
<b>Sub-Activity Total</b>			<b>566,374</b>	<b>441,216</b>	<b>58,034</b>	<b>1,065,624</b>

**Elect Equip - Electronic Warfare (EW)**

74	B05201	LCMR	43,893	10,470		54,363
Counterintelligence/Security						
75	BL5283	Counter Measures	11,900	23,880	115,182	150,962
Sequoyah Foreign Language						
194	B88605	Translation System		12,813		12,813
192	VA8000	WARLOCK			34,000	34,000
<b>Sub-Activity Total</b>			<b>55,793</b>	<b>47,163</b>	<b>149,182</b>	<b>252,138</b>

			FY08 Baseline	FY08 Main Supplemental	FY08 Cost Adjustment	FY08 Total Requirement
<b>Elect Equip - Tactical Surv</b>						
78	KA3500	Night Vision Devices	278,641	340,394		619,035
80	K22900	Night Vision, Thermal WPN Sight	230,607	36,000		266,607
81	WC5200	Radiation Monitoring System	3,518		1,554	5,072
82	AD3200	Artillery Accuracy Equip			2,800	2,800
84	AD3260	Enhanced Portable Fuze Setter	7,572		87	7,659
85	K27900	Profiler	8,000	64,800	10,683	83,483
86	BZ7325	Mod of In Svc Equip (FIREFINDER)	41,480	43,200		84,680
87	W61900	FBCB2	175,975	374,860	50,250	601,085
88	K31100	Lightweight Laser Designator/Range Finder	93,986	57,000		150,986
89	K99200	Computer Ballistic Mortar		9,400	1,150	10,550
90	K99300	Mortar Fire Control	14,000	1,500	4,692	20,192
<b>Sub-Activity Total</b>			<b>853,779</b>	<b>927,154</b>	<b>71,216</b>	<b>1,852,149</b>

**Elect Equip - Tactical C2 Systems**

94	BZ9865	Tactical Operations Center	393,883	263,709		657,592
95	B28501	Fire Support C2 Family	40,626	17,800	8,448	66,874
97	AD5050	FAAD C2	9,000	21,500		30,500
98	AD5070	Air Missile Defense	19,611	45,200		64,811
99	B78500	Knight Family	68,280	50,000	18,077	136,357
101	BZ8889	Automatic Identification Tech	71,034	189,506		260,540
102	BZ8900	TC AIMS II	29,037	10,225	865	40,127
104	B93900	Tactical Internet Manager	9,215	12,400		21,615
106	BA9320	Maneuver Control System	120,767	57,905		178,672
107	W10801	SALE	53,563	552,520	750	606,833
195	BZ0526	CRAM		245,000		245,000
<b>Sub-Activity Total</b>			<b>815,016</b>	<b>1,465,765</b>	<b>28,140</b>	<b>2,308,921</b>

**Elect Equip - Automation**

111	BD3000	ADPE	120,732	9,949		130,681
112	BD3501	CSS Communications	32,955	145,380	49,595	227,930
<b>Sub-Activity Total</b>			<b>153,687</b>	<b>155,329</b>	<b>49,595</b>	<b>358,611</b>
<b>Activity Total</b>			<b>3,629,509</b>	<b>7,753,462</b>	<b>1,456,922</b>	<b>12,839,893</b>

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## Exhibit P-1M, Procurement Programs - Modification Summary

<u>System/Modification</u>	<u>2006 &amp; Prior</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>To Complete</u>	<u>Total Program</u>
<b>GMF Enhancement (B08701)</b>										
AN/TSC-85/93 Modernization		5.5								5.5
<b>Total</b>		<b>5.5</b>								<b>5.5</b>
<b>ITEMS LESS THAN \$5.0M (MIP) (BK5278)</b>										
New Mod										
<b>Total</b>										
<b>MOD OF IN-SVC EQUIP (Firefinder Radars) (BZ7325)</b>										
AN/TPQ-36(V)8 Electronics Upgrade			57.8							57.8
AN/TPQ-37 Fire Support Digitization			1.0							1.0
AN/TPQ-37 Reliability/Maintainability Improvements			25.9							25.9
<b>Total</b>			<b>84.7</b>							<b>84.7</b>
<b>FORCE XXI BATTLE CMD BRIGADE &amp; BELOW (FBCB2) (W61900)</b>										
New Mod										
<b>Total</b>										
<b>Grand Total</b>		<b>5.5</b>	<b>84.7</b>							<b>90.2</b>

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: September 2007
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS (SPACE) (BB8500)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				106.4							106.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				106.4							106.4
Initial Spares											
Total Proc Cost				106.4							106.4
Flyaway U/C											
Weapon System Proc U/C											

**Description:**  
The Defense Satellite Communications System (DSCS) provides super high frequency (SHF) wideband and anti-jam (AJ) satellite communications supporting critical national strategic and tactical command, control, communications and intelligence (C3I) requirements. It must be survivable during trans- and post- nuclear attack to support communications essential to national survival. The DSCS and the future Wideband Gapfiller Satellite (WGS) supports the Army warfighter as well as the unique and vital Department of Defense (DOD) and non-DOD users, as approved by the Joint Staff and/or Secretary of Defense (SECDEF). The DSCS/WGS will be used in conjunction with the Terrestrial Transmissions of the Defense Information System Network (DISN) and other communications systems to provide end-to-end communications and will provide the long-haul connectivity the Warfighter needs for both tactical reachback and strategic communications. These programs provide the critical bandwidth required for the Global Information Grid by developing and fielding communications systems capable of overcoming existing and projected bandwidth constraints. DSCS/WGS will provide long-haul service between the Continental United States (CONUS) and overseas locations. This program is designated as a DoD Space program.

**Justification:**  
FY2008 KaSTARS procures two terminals in support of Wideband Gapfiller Satellite (WGS) program. Enterprise Wideband Payload Control System procures the start of the Replacement Radio Frequency Interconnecting (RRFIS), continues the Joint Management Operations System (JMOS) and completes the Integrated Monitoring and Power Control Subsystem (IMPCS) Phase I program. The MET program procures two First Article (FAT) terminal kits. Also procures software, engineering changes, fsystem integration and security accreditation of current and prior year procurements. Enterprise Wideband Satellite Terminal Digital Equipment procures the minimum sustainment of racks and components and their integration into DSCS. Also procures the Multiplexor Integration and DCSS Automation System (MIDAS) and the Enhanced Bandwith Efficient Modem (EBEM). Enterprise Wideband Interconnect Facility (ICF) will continue to accomplish Defense Information Systems Agency (DISA) and Joint Chief of Staff (JCS) directed satellite ground terminal relocations supporting alignment of US forces worldwide. Special Communications Link (SCL) procures the upgrade of Direct Communications Link (DCL) between the President of the United States and leaders from Russia/Ukraine/Belarus/Kazakhstan. Wideband Jam Resistant Secure Communications will procure system engineering to support the Nuclear Command, Control and Communications (C3) missions. Ground Mobile Forces (GMF) Enhancement procures equipment components for the AN/TSC-85 and AN/TSC-93 Upgrade program.

FY08 Supplemental provides for all efforts related to the Up-armorng of all of AN/TSC-85D and AN/TSC-93D system vehicles. Efforts will include the engineering, procurement of up-armor application kits, installation and documentation changes.

FY2008 Base Appropriation - \$87.772M

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: September 2007
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Item Nomenclature DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS (SPACE) (BB8500)
Program Elements for Code B Items:	Code:	Other Related Program Elements:
FY2008 Main Supplemental Request - \$18.614M FY2008 Total - \$106.386M		

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS (SPACE) (BB8500)			Weapon System Type:			Date: September 2007			
OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
<b>FY08 Base Appropriation</b>													
Enterprise Wideband SAT TERM DIGITAL EQ								41291					
Enterprise Wideband INTERCONNECT FAC								5543					
Wideband Jam Resistant Secure COMM								2000					
Enterprise Wideband SAT Pay Control Sys								20127					
Enterprise Wideband Satellite TERM MODS								2010					
Special Communications Links Program								1510					
Enterprise Wideband SAT TERM - KaSTARS								13376					
GMF Enhancement								1915					
<b>FY2008 Main Supplemental Request</b>													
GMF Enhancement								18614					
(Up-armorng for AN/TSC-85 & AN/TSC-93D)													
<b>Total:</b>								<b>106386</b>					

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
GMF Enhancement (B08701)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				20.5							20.5
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				20.5							20.5
Initial Spares											
Total Proc Cost				20.5							20.5
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The AN/TSC-85 and AN/TSC-93 Tactical Satellite (TACSAT) Service Life Extension Program (SLEP) and Upgrade Program is required to meet the current communications requirements of the Warfighter within the Ground Mobile Forces (GMF) segment of the Defense Satellite Communications Systems (DSCS) and is required to insure TACSAT Operational Readiness until at least FY2012. The Upgraded Terminals will provide the deployed Warfighters the ability to take advantage of the satellite connectivity and to provide the means for the GMF ground segment to pass effective data rates and establish effective user communication networks. These Upgraded TACSAT Terminals will support the increased communications requirements of the Combatant Commanders.

**Justification:**

FY08 Supplemental provides for all efforts related to the Up-armor of all AN/TSC-85D and AN/TSC-93D system vehicles. Efforts will include the engineering, procurement of up-armor application kits, installatioin and documentation changes.

FY2008 Base Appropriation - \$1.915 Million  
 FY2008 Main Supplemental Request - \$18.614 Million  
 FY2008 Total - \$20.529 Million

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: GMF Enhancement (B08701)			Weapon System Type:			Date: September 2007			
<b>OPA2 Cost Elements</b>	ID	<b>FY 06</b>			<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
	CD	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
FY2008 BASE APPROPRIATION								1900	46	41			
FY 2008 SUPPLEMENTAL REQUEST								18614	160	116			
<b>Total:</b>								<b>20514</b>					

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: GMF Enhancement (B08701)							
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>FY2008 BASE APPROPRIATION</b> FY 2008	Tobyhanna Army Depot Tobyhanna, PA	MIPR	Ft Monmouth, NJ	Oct 07	Dec 07			YES		
<b>FY 2008 SUPPLEMENTAL REQUEST</b> FY 2008	Tobyhanna Army Depot Tobyhanna, PA	MIPR	Ft Monmouth, NJ	Dec 07	Dec 08			YES		

REMARKS:

<b>Exhibit P-40M, Budget Item Justification Sheet</b>	Date: September 2007
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature GMF Enhancement (B08701)
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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	2006 & PR	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	TC	Total
AN/TSC-85/93 Modernization											
0-00-00-0000		0.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5
Totals		0.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5

**INDIVIDUAL MODIFICATION**

Date: September 2007

MODIFICATION TITLE: AN/TSC-85/93 Modernization [MOD 1] 0-00-00-0000

MODELS OF SYSTEM AFFECTED: AN/TSC-85/93

**DESCRIPTION / JUSTIFICATION:**

The AN/TSC-85 and AN/TSC-93 Tactical Satellite (TACSAT) Service Life Extension Program (SLEP) and Upgrade Program is required to meet the current communications requirements of the Warfighter within the Ground Mobile Forces (GMF) segment of the Defense Satellite Communications Systems (DSCS) and is required to insure TACSAT Operational Readiness until FY12. The Upgraded Terminals will provide the deployed Warfighters the ability to take advantage of the satellite connectivity and to provide the means for the GMF ground segment to pass effective data rates and establish effective user communication networks. These Upgraded TACSAT Terminals will support the increased communications requirements of the Combatant Commanders. FY2007 procures equipment components for the AN/TSC-85 and 93 Upgrade Program.

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

In FY2006 the following major milestones were accomplished: (1) Continuation of purchase and build of Kit components; (2) Installation, Upgrade and NET for the 440th Signal Company (Las Vegas, NV), the 35th Signal Brigade (Fort Bragg, NC), the 385th Signal Company (Kuwait), the 86th Signal Battalion (Ft Huachuca) and the 7th Signal Brigade (Germany).

**Installation Schedule**

	Pr Yr Totals	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs		20	20	2																	
Outputs		20	20	2																	

  

	FY 2012				FY 2013				FY 2014				FY 2015				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		
Outputs																		

**METHOD OF IMPLEMENTATION:** MWO      **ADMINISTRATIVE LEADTIME:** 4 months      **PRODUCTION LEADTIME:** 8 months  
**Contract Dates:** FY 2008 - Feb 06      FY 2009 - Feb 07      FY 2010 - Feb 08  
**Delivery Dates:** FY 2008 - Oct 06      FY 2009 - Oct 07      FY 2010 - Oct 08

**INDIVIDUAL MODIFICATION**

Date: September 2007

MODIFICATION TITLE (cont): AN/TSC-85/93 Modernization [MOD 1] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	FY 2006 and Prior		2007		2008		2009		2010		2011		2012		2013		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>Hardware</b>																			
High Voltage Power Supply																				
AS-3036 Antenna Kit																				
Enhanced Tactical SSP																				
TYAD Kits																				
Replacement FM Orderwire			67	2.5															67	2.5
Non-recurring Engineering																				
Documentation																				
Test																				
Training				0.2																0.2
Total Pkg Fielding				0.2																0.2
Govt/Contractor Support				1.4																1.4
<b>Installation of Hardware</b>																				
FY 2005 & Prior Equip -- Kits																				
FY 2006 -- Kits			42	0.6															42	0.6
FY 2006																				
FY 2007			42	0.6															42	0.6
Total Installment	0	0.0	84	1.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	84	1.2
Total Procurement Cost		0.0		5.5		0.0		0.0		0.0		0.0		0.0		0.0		0.0		5.5

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
SHF TERM (BA9350)

Program Elements for Code B Items: Code: A Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				31.6							31.6
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				31.6							31.6
Initial Spares											
Total Proc Cost				31.6							31.6
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

A contract was awarded to L3 Communications - West in April 2003 by PM WIN-T to satisfy critical operational requirements for tactical Super High Frequency (SHF) capability as articulated in validated Operational Needs Statements (ONS). The requirements are being satisfied via the multi-band SHF terminal, providing C, X, Ku and Ka-Band satellite communications capability, and operating over commercial and military SHF satellites. The SHF terminal satisfies tactical, highly mobile, command and control, intelligence, fire support, air defense and logistics wideband communications requirements in support of Army and multi-service users. Fielding is to Active Signal Battalions, which allows legacy AN/TSC-85 and 93 SATCOM terminals to be cascaded to Guard and Reserve Signal battalions. Terminals procured in FY04 and prior were integrated onto M1113 Expanded Capability Vehicles (ECVs). Terminals procured in FY05 and beyond are being integrated onto either M1152 ECVs or M1152A1 ECVs with Integrated Armor Package (IAP). The final configuration, yet to be determined, will be fully armored and will require the modification of all terminals. Full Rate Production (FRP) for the Phoenix SHF Quad-Band Terminal Program was approved 28 Jul 2005. Total planned procurement is 66 Phoenix Terminals. This program is designated as a DoD Space Program.

**Justification:**

FY08 Baseline: Procures 1 Tactical Super High Frequency (SHF) Quad-Band Terminal. Funds Wideband Gapfiller Satellite (WGS) Multiservice Operations Test & Evaluation (MOTE) participation and fielding support for prior year Phoenix terminal procurements.

FY08 Global War on Terrorism (GWOT) request: Procures the modification of Phoenix SHF terminals to DA mandated Up-Armored M1152 Expanded Capability Vehicles (ECVs).

FY08 Base Appropriation - \$8.790 million  
 FY08 Main Supplemental Request - \$22.822 million  
 FY08 Total - \$31.612 million

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Line Item Nomenclature: SHF TERM (BA9350)					Weapon System Type:		Date: September 2007			
OPA2 Cost Elements	ID	FY 06			FY 07			FY 08			FY 09		
	CD	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
<b>FY2008 Base Appropriation</b>													
SHF Terminals	A							1760	1	1760			
GFE								80					
Data								732					
Contractor Support								1450					
Engineering Support								773					
Government Program Management								1969					
Logistics/Fielding								546					
Modularity Fielding													
ECPs								867					
WGS MOTE								613					
<b>Total Baseline</b>								<b>8790</b>					
<b>FY2008 GWOT Request</b>													
ECP (Up-Armor)	A							22822					
<b>Total GWOT</b>								<b>22822</b>					
<b>Total:</b>								<b>31612</b>					

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

Date:  
September 2007

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>Appropriation/Budget Activity/Serial No:</b> Other Procurement, Army/ 2/ Communications and Electronics Equipment	<b>Weapon System Type:</b>		<b>P-1 Line Item Nomenclature:</b> SHF TERM (BA9350)							
<b>FY2008 Base Appropriation</b> FY 2008	L3 Communications - West Salt Lake City, UT	C/FFP/OPT	CE-LCMC	Jan 08	Jan 09	1	1760	Yes		
<b>FY2008 GWOT Request</b> FY 2008	TBS TBS	FFP	TBS	Jun 08				No		

REMARKS: FY08 Baseline procures 1 Phoenix SHF terminal.

FY08 GWOT: No additional Phoenix SHF terminals are being procured. The Army Acquisition Objective is complete. These funds procure the modification of Phoenix SHF terminals to DA mandated Up-Armored M1152 Expanded Capability Vehicles (ECVs).



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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
SAT TERM, EMUT (SPACE) (K77200)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				18.4							18.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				18.4							18.4
Initial Spares											
Total Proc Cost				18.4							18.4
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The Enhanced Manpack UHF Terminal (i.e., EMUT and also known as SPITFIRE) program replaces the existing inventory of single channel Satellite Communication (SATCOM) radios to add embedded Communications Security (COMSEC), and Demand Assigned Multiple Access (DAMA) capability to support all DoD, Special Operations Forces (SOF) and other Agencies. The SPITFIRE is a small, lightweight manpack radio that provides the reach-back capability between the forward deployed force and the Continental United States sustaining base required to support power projection. The Joint Staff (JS) has mandated that all UHF satellite manpack terminals be secure and have DAMA capability. The Army has designated the SPITFIRE terminal as the standard UHF Satellite Terminal for the current force. The SPITFIRE possesses the UHF DAMA capability which allows more efficient use of limited satellite resources. Additionally, the SPITFIRE Terminal has been selected to provide Narrowband Range Extension of both voice and data to Mobile Tactical Vehicles. The unique Narrowband Range Extension capability, through the SATCOM-On-The-Move (SOTM) functionality, allows extension of both voice and data to occur in moving vehicular platforms (versus stationary). This system supports the Stryker Brigade Combat Team (SBCT). This program is considered a DoD Space Program.

**Justification:**

FY08 Global War on Terrorism (GWOT) Request will be used to purchase 1,083 Army PSC-5C Upgrade kits and ancillary hardware and program costs. The remainder of Army Spitfire radios (AN/PSC-5) must be upgraded to Shadowfire configuration (AN/PSC-5C) in order to utilize Integrated Waveform (IW), improved voice recognition (MELP), over-the-air rekey functions, improved DAMA capability, interoperability and upgrades for higher data rates.

FY08 Base \$.812  
 FY08 GWOT \$17.6  
 FY08 Total \$18.4

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: SAT TERM, EMUT (SPACE) (K77200)			Weapon System Type:		Date: September 2007				
<b>OPA2 Cost Elements</b>	ID	<b>FY 06</b>			<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
	CD	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
<b>FY08 Baseline</b>													
Training								812					
<b>FY08 GWOT</b>													
Spitfire AN/PSC-5 Upgrade Kit								16365	1083	15.1			
Other HW/Cables								446					
Management								447					
Fielding/Training								342					
<b>Total:</b>								<b>18412</b>					

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: SAT TERM, EMUT (SPACE) (K77200)							
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>Spitfire AN/PSC-5 Upgrade Kit</b> FY 2008	Raytheon Sys Co. Largo, FL	FFP/IDIQ	Fort Monmouth, NJ	Jan 08	Oct 08	1083	15.1	Y		

REMARKS: The SOTM upgrade equipment consists of off-the-shelf hardware procured from several vendors and integrated by BAE Systems (Chesapeake, VA). Other hardware updates existing PSC-5 radios to PSC5c capability and updates SBCT5 and SBCT6 with SOTM capability.



<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE SAT TERM, EMUT (SPACE) (K77200)	Date: September 2007
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COST ELEMENTS						Fiscal Year 10													Fiscal Year 11													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 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			

Spitfire AN/PSC-5 Upgrade Kit																															
1	FY 08	A	1083	600	483	50	50	50	50	50	50	50	50	50	50	33															0
Total						1083	600	483	50	50	50	50	50	50	50	33															
						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	Raytheon Sys Co., Largo, FL	50	150	215		1	Initial	2	9	10	19	
							Reorder	0	4	6	10	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE) (K47800)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty				48554							48554
Gross Cost				137.6							137.6
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				137.6							137.6
Initial Spares											
Total Proc Cost				137.6							137.6
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The Navstar Global Positioning System (GPS) is a passive, space-based, radio positioning and navigation system providing precise, three-dimensional position, navigation, velocity and timing information to warfighters. The Navstar GPS program is designated as a DoD Space Program and the United States Air Force (USAF) is the executive service. The Joint Program Office develops GPS User Equipment (PE 35164F) with direct Army management and participation. The Army's Navstar GPS program provides for management, procurement, fielding, and support of GPS User Equipment developed by and procured through the Joint Program Office. GPS User Equipment consists of a family of receivers supporting both handheld and host platform environments. GPS receivers provide critical information to commanders, staff and Soldiers enabling increased lethality, dominant maneuver, precision strike, situational awareness and information dominance/superiority functions that will enhance the technologies to support the future Army. GPS User Equipment includes Army aviation users, ground users and host vehicles. Current/Future GPS User Equipment will be in both handheld (Defense Advanced GPS Receiver[DAGR]) and platform embedded (GPS Receiver Applications Module [GRAM] applications.) The DAGR has been designated a Horizontal Technology Integration (HTI) program and provides essential capabilities to numerous weapon systems and platforms. This program has been designated as a DoD Space Program.

**Justification:**

FY08 Global War on Terrorism (GWOT) request will fund procurement and Total Package Fielding of 19,518 DAGRs to support units deploying in FY09 to support Operation Iraqi Freedom (OIF), Operation Enduring Freedom (OEF, and to support the Global War on Terrorism (GWOT).

FY08 Base Appropriation: \$86.877 Million

FY08 GWOT Request: \$50.745 Million

FY08 Total: \$137.622 Million

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE) (K47800)			Weapon System Type:			Date: September 2007			
OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
<b>Hardware:</b>													
DAGR Acquisition								69686	29036	2			
FY08 GWOT DAGR Acquisition								46842	19518	2			
PLGR Re-Utilization								1500					
Software Support								1471					
<b>Product Support:</b>													
Total Package Fielding								12901					
Program Management								3521					
Government In-House								838					
Integration Engineering								150					
Test and Evaluation								713					
<b>Total:</b>								<b>137622</b>					

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment			Weapon System Type:		P-1 Line Item Nomenclature: NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE) (K47800)						
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>DAGR Acquisition</b> FY 2008	Rockwell Collins, Inc. Cedar Rapids, IA	FFP/ID/IQ	Los Angeles AFB, CA	Jan 08	Jun 08	29036	2.0	Yes			
<b>FY08 GWOT DAGR Acquisition</b> FY 2008	Rockwell Collins, Inc. Cedar Rapids, IA	FFP/ID/IQ	Los Angeles AFB, CA	Jul 08	Dec 08	19518	2.3	Yes			

REMARKS:





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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
SMART-T (SPACE) (BC4002)

Program Elements for Code B Items: Code: Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				52.5							52.5
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				52.5							52.5
Initial Spares											
Total Proc Cost				52.5							52.5
Flyaway U/C											
Weapon System Proc U/C											

**Description:**  
Secure Mobile Anti-Jam Reliable Tactical Terminal (SMART-T) is a multi-channel satellite terminal required to support a Force Projection Army. The SMART-T provides a range extension capability for the Army's current and future tactical communications networks. The SMART-T provides a robust, protected satellite interface to permit uninterrupted communications as our advancing forces move beyond the line-of-sight of terrestrial systems. SMART-T provides connectivity between the current force MSE Node Centers (NC), Large Extension Nodes (LEN), Small Extension Nodes (SEN), and Radio Access Units (RAU) as well as the WIN-T for the network future force, to support Army Units of Action and Units of Employment as well as Special Contingency Operations. The Joint Network Node (JNN) is the mid-term network that bridges MSE and WIN-T. SMART-T is the anti jam satellite communications capability for the JNN also. The SMART-T improves the battlefield Command, Control, and Communications capability. The prime mover is a High Mobility Multi-Purpose Wheeled Vehicle (HMMWV) configured with all the electronics and the self-erectable antenna. The SMART-T operates at the Extremely High Frequency (EHF) band and receives in Super High Frequency (SHF) band. The terminal operates at both Medium Data Rate (MDR) and Low Data Rate (LDR). The terminal is designed for unattended operation. SMART-T provides the security, mobility, and anti-jam capability required to defeat the threat to assure communications and satisfy the critical need for robust, secure, beyond line of sight communications. SMART-T provides low probability of interception and low probability of detection (LPI/LPD) to avoid being targeted for destruction, jamming or eavesdropping. The SMART-T provides fully interoperable communications with the Milstar terminals of other services. SMART-T terminals are being upgraded to use Advanced EHF (AEHF) satellites. The AEHF upgrade to SMART-T provides a four-fold increase in communication capacity over the current SMART-T. The upgraded AEHF SMART-T supports communications on the AEHF Waveform, and retains full backward compatibility with LDR and MDR Waveforms, UHF Follow-On (UFO) and Fleet SATCOM EHF Package (FEP) satellites. This program is designated as a DoD Space Program.

**Justification:**  
FY08 Baseline: Procures 57 Advanced Extremely High Frequency (AEHF) SMART-T upgrade kits and fielding support, logistics and training for prior years' SMART-T procurements.

FY08 Global War on Terrorism (GWOT) request: will implement the SMART-T up armor requirement as part of the AEHF SMART-T upgrade.

FY08 Base Appropriation - \$50.412 million  
FY08 Main Supplemental Request - \$2.041 million  
FY08 Total - \$52.453 million

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: SMART-T (SPACE) (BC4002)			Weapon System Type:			Date: September 2007			
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 06</b>			<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
		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
<b>FY2008 Base Appropriation</b>													
Contract Terminal Cost													
AEHF Upgrade Mod Kits													
Engineering Support													
Data													
System Project Mgmt/Gov't													
System Test & Evaluation													
GFE													
Fielding													
Modularity/Army National Guard													
OIF													
<b>Total Baseline</b>													
<b>FY2008 GWOT Request</b>													
Fielding													
<b>Total:</b>													

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:		P-1 Line Item Nomenclature: SMART-T (SPACE) (BC4002)						
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>FY2008 Base Appropriation</b> FY 2008	Raytheon Largo, FL	SS/FP/OPT	Ft. Monmouth, NJ	Jan 08	Apr 09	57	601	yes		Nov 06
<b>FY2008 GWOT Request</b> FY 2008	Raytheon Largo, FL	SS/FP/OPT	Ft. Monmouth, NJ	Jun 08	Oct 08			no	Mar 08	Mar 08

REMARKS:

<b>FY 07 / 08 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE SMART-T (SPACE) (BC4002)	Date: September 2007
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COST ELEMENTS						Fiscal Year 07													Fiscal Year 08													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 07													Calendar Year 08													
						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			

SMART-T

AEHF Upgrade Mod Kits																												
1	FY 08	A	57	0	57																							57
1	FY 08	AF	26	0	26																							26
1	FY 08	MC	18	0	18																							18
1	FY 08	OTH	4	0	4																							4
			105		105																							105

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	Raytheon, Largo, FL	1	15	30		1	Initial	0	9	15	24	SMART-T AEHF Upgrade Mod Kits -FY08 Baseline: Procures 57 Army and 48 customer AEHF SMART-T Upgrade Modification Kits.
							Reorder	0	3	15	18	
							Initial					-FY08 GWOT: Implements the up armor requirement.
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					



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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
ARMY GLOBAL CMD & CONTROL SYS (AGCCS) (BA8250)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				31.0							31.0
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				31.0							31.0
Initial Spares											
Total Proc Cost				31.0							31.0
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

Global Command and Control System-Army (GCCS-A) provides critical automated Command and Control (C2) tools for Combatant Commanders (COCOMs) and Army Component Commanders (ACCs) to enhance warfighter capabilities throughout the spectrum of conflict during joint and combined operations in support of National Command Authority (NCA). GCCS-A provides the interface between Global Command and Control Systems-Joint (GCCS-J) and the Army Battlefield Command Systems (ABCS). GCCS-A provides readiness reporting, mobilization and deployment capability information for active, guard and reserve forces as well as providing the Joint Common Operational Picture (COP) and intra-theater planning and movement. For Strategic Commanders, GCCS-A Information Technology (IT) provides readiness, planning, mobilization and deployment capability. For Theater Commanders, GCCS-A provides Joint COP and associated friendly and enemy status information, movement, force employment planning and execution tools, and overall interoperability with Joint, Coalition, and Tactical ABCS. It will support major Army commands (MACOMs), Army Combatant Commanders (COCOMs), Army Commands and Components, and Army elements within the Pentagon. GCCS-A will support all headquarters staff sections that support all phases of conflict, and Stability and Support Operations (SASO). In addition, PM GCCS-A is the Executive Agent with responsibility to procure and field GCCS-J hardware and COTS software to selected GCCS-J sites.

GCCS-A is the Army service component of the GCCS-J Family of Systems (FoS) being implemented in accordance with the GCCS concept of Common Operating Environment (COE) and a member of ABCS. GCCS-A is implemented in accordance with GCCS-J architecture and ABCS Capstone Requirements Document (CRD) and rides on the COE. GCCS-A integrates system software and hardware using a site's existing communications architecture. GCCS-A provides commercial-off-the-shelf (COTS) hardware and COTS developed software to user sites. The hardware includes various types of servers and user workstations. The hardware and software provides directory, database, web, communications and portal capabilities to enhance and facilitate Command and Control functions of the developed software described above. Supporting functions include user administration and security. In addition, it has become necessary to increase both field support and software support to accommodate continuing updates to correlate with GCCS-J and C2PC changes.

The Defense Readiness Reporting System-Army (DRRS-A) effort includes procurement and fielding of servers, training, and system administration/data base administration support within the reporting consolidation point located within ODR.

**Justification:**

FY08 Baseline: Procures mission critical hardware and COTS software support for previously fielded software at all Army managed and Operation Iraqi Freedom (OIF) sites. Support and fielding

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: September 2007
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Item Nomenclature ARMY GLOBAL CMD & CONTROL SYS (AGCCS) (BA8250)
Program Elements for Code B Items:	Code:	Other Related Program Elements:
<p>are mandatory in order for the Army to meet DA prioritized fielding schedules and Global Command and Control System - Joint (GCCS-J) milestones.</p> <p>FY08 Global War on Terrorism (GWOT) request: Funding supports DRRS-A fieldings, and increased costs for GCCS-A software maintenance and support. The DRRS-A effort includes procurement and fielding of servers, training and system administration and database administrators that support OEF/OIF. In addition, in order to support high priority OEF/OIF missions, it has become necessary to increase both field support and software support to accommodate continuing GCCS-A updates to correlate with Global Command and Control System - Joint (GCCS-J) and Command and Control Personal Computer (C2PC) changes.</p> <p>FY08 Global War on Terrorism Cost Adjustment funds additional hardware upgrades to meet GCCS-J software requirements and additional fielding and training support to implement these upgrades.</p> <p>FY08 Base - \$25.512 million  FY08 GWOT Request - \$2.755 million  FY08 GWOT Cost Adjustment \$2.755 million  FY08 Total \$31.022 million</p>		

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: ARMY GLOBAL CMD & CONTROL SYS (AGCCS) (BA8250)			Weapon System Type:			Date: September 2007			
OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
<b>FY08 Baseline</b>													
Remote Server Racks								183					
Workstations/Laptops								569					
Deployable Servers								3380					
Bill of Material (BOM)								261					
Software Licenses								3325					
Software Support								5764					
Fielding Support								5723					
PMO								1985					
GCCS-A Training								4234					
Central Tech Support facility (CTSF)								88					
<b>Total Baseline</b>								<b>25512</b>					
<b>FY08 GWOT Request</b>													
Enterprise Server								300					
Enterprise Server Upgrades								375					
Software Support								905					
Fielding Support								1175					
<b>Total FY08 GWOT Request</b>								<b>2755</b>					
<b>FY08 GWOT Cost Adjustment Request</b>													
Enterprise Server Upgrades								1375					
Workstations/Laptops								866					
Software Support								186					
Fielding Support								328					
<b>Total FY08 GWOT Cost Adjustment</b>								<b>2755</b>					
<b>Total:</b>								<b>31022</b>					

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

Date:  
September 2007

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
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment			Weapon System Type:		P-1 Line Item Nomenclature: ARMY GLOBAL CMD & CONTROL SYS (AGCCS) (BA8250)					
<b>FY08 Baseline</b> <b>Remote Server Racks</b> FY 2008	GTSI Chantilly, VA	IDIQ	CECOM, Ft Monmouth NJ	Feb 08	Jun 08			yes		
<b>Workstations/Laptops</b> FY 2008	GTSI Chantilly, VA	IDIQ	CECOM, Ft Monmouth NJ	Feb 08	Jun 08			yes		
<b>Deployable Servers</b> FY 2008	GTSI Chantilly, VA	IDIQ	CECOM, Ft Monmouth NJ	Feb 08	Jun 08			yes		
<b>Enterprise Server</b> FY 2008	GTSI Chantilly, VA	IDIQ	CECOM, Ft Monmouth NJ	Feb 08	Jun 08			yes		

REMARKS: Above items are Commercial Off the Shelf (COTS)

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
ARMY DATA DISTRIBUTION SYSTEM (DATA RADIO) (BU1400)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				31.4							31.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				31.4							31.4
Initial Spares											
Total Proc Cost				31.4							31.4
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The Army Data Distribution System (ADDS) is a Command, Control, Communication and Intelligence (C3I) program consisting of the Enhanced Position Location Reporting System (EPLRS) and the Near Term Digital Radio (NTDR). EPLRS, the predominant ADDS product line, is a critical mobile wireless data communications backbone for the Army's Tactical Internet. EPLRS provides embedded situational awareness / position navigation. EPLRS mobile networks are used by Army Battle Command System(s) (ABCS) and Force XXI Battle Command Brigade and Below (FBCB2) host computers for situational awareness and command and control. It has been designed specifically to meet the data communication requirements of the Army Battlefield Command System (ABCS) and sensor systems. EPLRS includes the EPLRS Network Manager (ENM). NTDR is the primary data communications network between Brigade and Battalion Tactical Operation Centers (TOCs).

**Justification:**

FY08 Global War on Terror (GWOT) dollars will procure 795 EPLRS for the Air Defense Artillery (ADA) Adam Cells to prosecute the Global War on Terror by resetting items, generating and protecting forces and enhancing military capabilities. FY08 Base dollars fund sustainment for NTDR Tactical Operations Center (TOC) radios fielded to the Stryker Brigade Combat Teams and III Corps Troops; and fund Project Management, Crypto-Modernization and the GWOT Field Service Representatives (FSR) increased costs for EPLRS.

FY08 Base - \$7.893 million  
 FY08 GWOT - \$23.540 million  
 FY08 Total - \$31.433 million

OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
<b>FY08 Base (EPLRS)</b>													
* Government Engineering								1237					
Project Management Administration								596					
Integration / Upgrades								1310					
Total Package Fielding								3250					
Tactical Operations Center Data Radio								1500					
* <b>FY08 Base Total</b>								<b>7893</b>					
* <b>FY08 GWOT</b>													
* EPLRS User Unit RT								18384	795	23.125			
Other Hardware								3319					
Total Package Fielding								1837					
* <b>FY08 GWOT Total</b>								<b>23540</b>					
<b>Total:</b>								<b>31433</b>					

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: ARMY DATA DISTRIBUTION SYSTEM (DATA RADIO) (BU1400)							
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>FY08 GWOT</b> FY 2008	Raytheon Systems Co II Forest, MS	SS/FFP	CECOM	Jun 08	May 09	795	23.125	Yes		Apr 07

REMARKS:





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

Date: September 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: SINCGARS FAMILY (BW0006)

Program Elements for Code B Items: Code: Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				2385.4							2385.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				2385.4							2385.4
Initial Spares											
Total Proc Cost				2385.4							2385.4
Flyaway U/C											
Weapon System Proc U/C											

**Description:**  
 The Single Channel Ground and Airborne Radio System (SINCGARS) VHF-FM Radio Communications System provides the primary means of command and control for combat/combat support/combat service support units. The SINCGARS radio provides state-of-the-art communications in manpack, vehicle, and airborne configurations. Its Frequency-Hopping and jam resistant capabilities offset current threat jamming techniques. SINCGARS continues its evolutionary development with the fielding of the Advanced SINCGARS System Improvement Program (ASIP) radio. The SINCGARS ASIP radio provides for enhanced data and voice communications while using commercial Internet Protocols. The SINCGARS radio is an essential component of the Tactical Internet enabling commanders to conduct operations on the digitized battlefield. The family of SINCGARS radios is employed on such systems as the Bradley M2A3, PATRIOT, ABRAMS M1A2SEP, and the Longbow Apache.

**Justification:**  
 FY08 Base dollars procure SINCGARS quantities of 8,550 for MTOE shortages and Modularity increases; field ground ASIP radios for RESET and high priority National Guard units. This is critical to support Modularity and homeland defense.

FY08 Global War on Terrorism (GWOT) Request funds SINCGARS quantities of 98,410 for MTOE shortages and Modularity increases; field ground ASIP radios for RESET and high priority National Guard units; and support a SINCGARS radio in all Combat Service / Combat Support tactical wheel vehicles. This is critical to support GWOT, Modularity and homeland defense.

FY08 Global War on Terrorism Cost Adjustment funds SINCGARS quantities of 72,346 for MTOE shortages and Modularity increases; field ground ASIP radios for RESET and high priority National Guard units; and support a SINCGARS radio in all Combat service / Combat Support tactical wheel vehicles. This is critical to support GWOT, Modularity and homeland defense.

FY08 Base Appropriation - \$137.080 million  
 FY08 GWOT Request - \$1370.347 million  
 FY08 GWOT Cost Adjustment Request - \$878.000 million  
 FY08 Total - \$2385.427 million

OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
<b>FY08 Base</b>													
*													
Hardware-ITT							82609	8550	10				
Contractor Eng Support							3897						
Government Engineering							1272						
Project Management Administration							7864						
Other Hardware							28650						
Test							190						
Total Package Fielding							12598						
<b>FY08 Base Sub-Total</b>							<b>137080</b>						
*													
<b>FY08 GWOT Request</b>													
*													
Hardware-ITT							969893	98410	10				
Other Hardware							302044						
Total Package Fielding							98410						
<b>FY08 GWOT Request Sub-Total</b>							<b>1370347</b>						
*													
<b>FY08 GWOT Cost Adjustment</b>													
*													
Hardware-ITT							614340	72346	8				
Other Hardware							191313						
Total Package Fielding							72347						
<b>FY08 GWOT Cost Adjustment Sub-Total</b>							<b>878000</b>						
<b>Total</b>							<b>2385427</b>						

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

Date:  
September 2007

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
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment										
		Weapon System Type:	P-1 Line Item Nomenclature: SINCGARS FAMILY (BW0006)							
<b>FY08 Base</b> FY 2008	ITT Ft. Wayne, IN	C/FFP	CECOM	Jan 08	Jan 09	8550	10	Y		Mar 04
<b>FY08 GWOT Request</b> FY 2008	ITT Ft. Wayne, IN	C/FFP	CECOM	Jun 08	May 09	98410	10	Y		Mar 04
<b>FY08 GWOT Cost Adjustment</b> FY 2008	ITT Ft. Wayne, IN	C/FFP	CECOM	Nov 08	Nov 09	72346	8	Y		Mar 04

REMARKS: Hardware costs include SINCGARS receiver transmitter, vehicular amplifier adapter (VAA) and power amplifier (PA).





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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
BRIDGE TO FUTURE NETWORKS (BB1500)

Program Elements for Code B Items: Code: Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				2994.1							2994.1
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				2994.1							2994.1
Initial Spares											
Total Proc Cost				2994.1							2994.1
Flyaway U/C											
Weapon System Proc U/C											

**Description:**  
As a Bridge to Future Networks (BFN), these systems provide the tactical user an interface to strategic data networks, and Commercial, Joint, Combined, and Coalition communications systems across multiple security levels. The BFN provides a smaller logistical footprint and utilizes commercial Ku satellite (as well as future Ka Systems upgrades). It provides for more rapid set-up and Beyond Line Of Sight communication capabilities. The Bridge to Future Networks comprises two components: Area Common User System Modernization, and Joint Network Node Network.

The ACUS Mod Program executes the strategy defined by the Bridge to Future Networks Capabilities Production Document (BFN-CPD), which outlines ongoing and planned modifications, upgrades, and recapitalization of the Mobile Subscriber Equipment (MSE) and Tri-TAC systems as the Army's intermediate-term solution. The ACUS Mod Program also supports the Army's Transformation/Modularity initiatives by developing, procuring, and fielding new technologies and selected upgrades into the Army's Stryker Brigade Combat Teams (SBCTs), designated UEx/UEY service components, and Modularity units.

The JNN-N communications nodes are part of the Army's effort to achieve the Chief of Staff's goal for Army Transformation to realize a Joint Network Transport Capability, replaces elements of the Mobile Subscriber Equipment (MSE) Systems that are currently being used to conduct missions in support of Operation Enduring Freedom/Operation Iraqi Freedom (OEF/OIF). It consists of communications nodes at the Units of Employment (UEx), brigade and battalion level, and is a dynamic and rapidly-deployable, early-entry communications system.

**Justification:**  
FY08 Baseline: Procures Joint Network Nodes, Battalion Command Posts, Single Shelter Switches, High Capacity Line of Sight and Troposcatter radio upgrades, spares and contractor support for fielding and training. Funds sustainment for JNN Spiral 1-9, Legacy Mission and support of currently fielded equipment.

FY08 Global War on Terror (GWOT) dollars will procure Joint Network Nodes, Battalion Command Posts, Single Shelter Switches, High Capacity Line of Sight and Troposcatter radio upgrades, spares and contractor for fielding and training. Funds Technology Refresh and Up-Armor requirements.

FY08 Base: \$433.526 million; FY08 Title IX: \$0.0 million; FY08 GWOT: \$2,560.547 million; Total: \$2,994.073 million

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

Date:

September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics EquipmentP-1 Item Nomenclature  
BRIDGE TO FUTURE NETWORKS (BB1500)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

Of the \$2,560 million GWOT request in this program there is a \$812M total excess to program needs. Army request these excess dollars be redirected to MRAP.

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: BRIDGE TO FUTURE NETWORKS (BB1500)			Weapon System Type:			Date: September 2007			
<b>OPA2 Cost Elements</b>	ID	<b>FY 06</b>			<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
	CD	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
ACUS Mods Program													
Baseline								120890					
GWOT								330000					
*****													
Joint Network Node Program													
Baseline								312636					
GWOT								2230547					
*****													
TOTAL													
<b>Total:</b>								<b>2994073</b>					

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

Date: September 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: ACUS MOD PROGRAM (BB1600)

Program Elements for Code B Items: Code: A Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				450.9							450.9
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				450.9							450.9
Initial Spares											
Total Proc Cost				450.9							450.9
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The ACUS Mod Program provides ongoing and planned modifications, upgrades, and recapitalization of the Mobile Subscriber Equipment (MSE) and Tri-TAC systems as the Army's intermediate-term solution. The ACUS Mod Program also supports the Army's Transformation/Modularity initiatives by developing, procuring, and fielding new technologies and selected upgrades into the Army's Stryker Brigade Combat Teams (SBCTs), designated UEx/UEy service components, and Modularity units.

As a part of the Bridge to Future Networks (BFN), ACUS Mod systems provide enhanced long-haul data communications bandwidth and increased throughput to the Brigade Tactical Operations Center (TOC) via the 8Mbps/Tactical High Speed Data Network (THSDN) technology which uses a combination of tactical (circuit cards) and commercial (routers) equipment, and the AN/GRC-245 High Capacity Line-of-Sight Radio (HCLOS), the next-generation line-of-sight radio which replaces the AN/GRC-226 radios in the AN/TRC-190 family of transmission assemblages.

ACUS Mod provides an increased transmission capability between data switches for the digitized battlefield. Equipment fielded in support of this requirement include the Network Operations Center-Vehicle (NOC-V), a tactical shelterized vehicle that provides an integrated means to plan, manage, monitor, control, protect, and support Tactical Operations Center (TOC) Local Area Network (LAN) and Tactical Internet (TI) communications. The NOC-V also provides phone (voice over IP) connectivity within the TOC and to other combat units when connected to a Brigade Subscriber Node (BSN). The Brigade Subscriber Node (BSN), also a tactical shelterized vehicle is an integrated switching/transmission shelter providing voice/data/video capabilities for the Stryker Brigade Combat Teams (SBCTs). Additional ACUS Mod battlefield technologies include the Battlefield Video Teleconferencing (BVTC), which provides internetworking of video terminals, and the AN/TTC-58(V) Baseband Node (BBN), which is a technology insertion effort for Joint Task Force (JTF)/Joint Forces Land Component Commander and Staff (JFLCC) and will provide for downsized Large Extension Node (LEN) data capability. Other ACUS Mod equipment includes the Single Shelter Switch (AN/TTC-56), the Secure Wireless LAN (SWLAN), and the High Mobility DGM Assemblage (HMDA), which provides 25 miles line-of-sight transmission and 12 miles of fiber optic range in conjunction with several radio terminals and repeaters.

**Justification:**

FY08 Baseline: Procures a total of four AN/TTC-56(V)3 shelter upgrades and support equipment consisting of High Capacity Line of Sight Radio and Troposcatter Radio upgrades and Battlefield Video Teleconferencing hardware for an equivalent of two Expeditionary Signal Battallions (ESB). ACUS MOD will also procure Non-ESB JNN required equipment consisting of High Capacity Line of Sight Radio upgrades and Battlefield Video Teleconferencing hardware.

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

Date:

September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics EquipmentP-1 Item Nomenclature  
ACUS MOD PROGRAM (BB1600)

Program Elements for Code B Items:

Code:

A

Other Related Program Elements:

FY08 GWOT (\$330M) will procure a total of twenty AN/TTC-56(V3) shelter upgrades and support equipment consisting of High Capacity Line of Sight Radio and Troposcatter Radio upgrades and Battlefield Video Teleconferencing hardware for an equivalent of ten Expeditionary Signal Battalions (ESB). ACUS MOD will also procure Non-ESB JNN required equipment consisting of High Capacity Line of Sight Radio upgrades and Battlefield Video Teleconferencing hardware.

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: ACUS MOD PROGRAM (BB1600)			Weapon System Type:		Date: September 2007				
OPA2 Cost Elements	ID	FY 06			FY 07			FY 08			FY 09		
	CD	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
<b>Procurement Baseline</b>													
Equipment								35150					
NREngrg													
Engrg Change (ECO's)													
Training/Fielding								5260					
Init Spares (ISRP)								2600					
Installation/Integration								1500					
Software								3530					
Data								1000					
<b>Other Baseline</b>													
Project Management								15250					
Engrg Support								10810					
Legacy Support/Mission								11010					
Modifications/Tech Refresh								28250					
Other								6530					
<b>Total Baseline</b>								<b>120890</b>					
<b>Procurement GWOT</b>													
Equipment								178400					
NREngrg													
Engrg Change (ECO's)													
Training/Fielding								25320					
Init Spares (ISRP)								52370					
Installation/Integration								2200					
Software								2900					
Data								2000					
Testing													
<b>Other GWOT</b>													
Project Management													
Engrg Support								5000					
Sustainment													
Modifications/Tech Refresh								58210					

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: ACUS MOD PROGRAM (BB1600)			Weapon System Type:			Date: September 2007			
OPA2 Cost Elements	ID	FY 06			FY 07			FY 08			FY 09		
	CD	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
Other								3600					
Total GWOT								330000					
Total:								450890					

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:		P-1 Line Item Nomenclature: ACUS MOD PROGRAM (BB1600)						
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>Equipment</b>										
FY 2008 ITSB	SSS (GWOT) TBS	COMP/FFP	Ft. Monmouth, NJ	Jun 08	Nov 08	20		Y		
FY 2008 ITSB	SSS (Base) TBS	COMP/FFP	Ft. Monmouth, NJ	Nov 07	Apr 08	4		Y		

REMARKS:

**FY 08 / 09 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
ACUS MOD PROGRAM (BB1600)

Date:  
September 2007

COST ELEMENTS						Fiscal Year 08													Fiscal Year 09												Later
MFR	FY	SERV	PROQTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 08													Calendar Year 09												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		

Equipment																																				
2	FY 08	A	4	0	4			A																										0		
1	FY 08	A	20	0	20																														0	
Total			24		24																															

						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	Initial	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX				Prior 1 Oct	After 1 Oct			
1	SSS (GWOT), TBS	1	5	5	1	Initial	0	1	5	6	MFR #1 will build 20 Single Shelter Switches for the FY08 GWOT requirement.	
						Reorder	0	1	5	6		
2	SSS (Base), TBS	1	5	5	2	Initial	0	1	5	6	MFR #2 will build 4 Single Shelter Switches for the FY08 Base requirement.	
						Reorder	0	1	5	6		
						Initial						
						Reorder						
						Initial						
						Reorder						
						Initial						
						Reorder						

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
JOINT NETWORK NODE (JNN) NETWORK (BB1601)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				2543.2							2543.2
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				2543.2							2543.2
Initial Spares											
Total Proc Cost				2543.2							2543.2
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

As the emerging major component of the Army Bridge to Future Networks, the Joint Network Node (JNN) Network is intended to replace legacy Mobile Subscriber Equipment (MSE), while moving the Army to a unified Everything Over Internet Protocol (EOIP) Communications System. This fundamental shift in the Tactical backbone communications system prepares the Army culture and leadership for the future introduction of both Warfighter Information Network-Tactical (WIN-T) and Future Combat Systems (FCS). Once proliferated throughout the force structure, tied to modernizations for the Global War on Terrorism (GWOT) deployment missions, the JNN Network will provide encrypted internet connectivity, from landfall sanctuaries, to the Battalion Echelon. The Network is capable of passing unclassified and classified traffic levels, throughout its entire structure, from Home Station Operations Center (HSOC) to the furthest forward Battalion Elements. Designed to meet modularity and rapid deployment mandates, the Network is also intended to support Joint Communications Requirements, as well as Internet Applications from approved National, Federal Agencies and Coalition Partners. The Network, by its basic design, will allow incorporation of Future Internet Communications improvements, as well as a lot of technologies for modular Communications, offered by both government and industry sources.

**Justification:**

FY08 Baseline will procure 1 Hubs, 16 Joint Network Nodes (JNN's) and 72 Battalion Command Post Nodes (BNCNP's) and Sustainment of all pervious JNN units.

FY08 GWOT (\$2,230.5M) will procure 9 Hubs, 159 Joint Network Nodes (JNN's) and 485 Battalion Command Post Nodes (BNCNP's) and KA upgrde for all Units.

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: JOINT NETWORK NODE (JNN) NETWORK (BB1601)			Weapon System Type:			Date: September 2007		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 06</b>			<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
		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
<b>FY 2008 Baseline</b>													
Equipment								77245					
Non-Recurring Eng								3200					
NetOPS HW/SW								5038					
Test								1320					
Training								8477					
Fielding								2016					
Cont. Field Supt Rep								2965					
Engineering Support								4032					
Engineering Changes								25429					
Program Management								12801					
Initial Spares								14014					
KA upgrade								87200					
Sig Center Requirement								26400					
Deployed CFSR								14812					
PDSS								11871					
RSC Support								15816					
<b>Total Baseline</b>								<b>312636</b>					
<b>FY2008 GWOT</b>													
Equipment								764567					
NetOPS HW/SW								33775					
Training								58983					
Fielding								12487					
Cont. Field Supt Rep								11013					
Engineering Support								9401					
Program Managment								12525					
Initial Spares								53983					
KA upgrade								419951					
Deployed CFSR								58948					
PDSS								17355					
Modularity								777559					

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: JOINT NETWORK NODE (JNN) NETWORK (BB1601)			Weapon System Type:			Date: September 2007			
<b>OPA2 Cost Elements</b>	ID	<b>FY 06</b>			<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
	CD	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
<b>Total GWOT</b>								<b>2230547</b>					
<b>Total:</b>								<b>2543183</b>					

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

Date:  
September 2007

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>FY 2008 Baseline</b>										
FY 2008	HUB BASE TBD	COMP-HUB	TBD-HUB	Nov 07	Jun 08	1		Y		
FY 2008	JNN BASE TBD	COMP-JNN	TBD-JNN	Nov 07	May 08	16		Y		
FY 2008	BNCNP BASE TBD	COMP-BNCNP	TBD-BNCNP	Nov 07	May 08	72		Y		
<b>FY2008 GWOT</b>										
FY 2008	HUB GWOT TBD	COMP-HUB	TBD-HUB	Jun 08	Feb 09	9		Y		
FY 2008	JNN GWOT TBD	COMP-JNN	TBD-JNN	Jun 08	Jan 09	159		Y		
FY 2008	BNCNP GWOT TBD	COMP-BNCNP	TBD-BNCNP	Jun 08	Jan 09	485		Y		

REMARKS:

<b>FY 07 / 08 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE JOINT NETWORK NODE (JNN) NETWORK (BB1601)	Date: September 2007
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COST ELEMENTS						Fiscal Year 07															Fiscal Year 08										Later		
MFR	FY	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 07															Calendar Year 08												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				
<b>FY 08 Base</b>																																	
5	FY 08	A	1	0	1																								1				0
3	FY 08	A	16	0	16																								6	5	5		0
1	FY 08	A	72	0	72																								25	25	22		0
<b>FY08 GWOT</b>																																	
6	FY 08	A	9	0	9																												9
2	FY 08	A	485	0	485																												485
4	FY 08	A	159	0	159																												159
<b>Total</b>																																	
			742		742																												653
						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	BNCNPN BASE, TBD	20	25	30		1	Initial	0	
							Reorder	0	6	7	13
2	BNCNPN GWOT, TBD	20	25	30		2	Initial	0	6	7	13
							Reorder	0	6	7	13
3	JNN BASE, TBD	5	7	9			Initial	0	6	7	13
							Reorder	0	6	7	13
4	JNN GWOT, TBD	5	7	9		3	Initial	0	6	7	13
							Reorder	0	6	7	13
5	HUB BASE, TBD	1	1	1			Initial	0	6	7	13
							Reorder	0	6	7	13
6	HUB GWOT, TBD	1	1	1		4	Initial	0	6	7	13
							Reorder	0	6	7	13
						5	Initial	0	6	7	13
							Reorder	0	6	7	13

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE JOINT NETWORK NODE (JNN) NETWORK (BB1601)	Date: September 2007
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COST ELEMENTS						Fiscal Year 09														Fiscal Year 10														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 09														Calendar Year 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					
FY 08 Base																																		
5	FY 08	A	1	1																								0						
3	FY 08	A	16	16																								0						
1	FY 08	A	72	72																								0						
FY08 GWOT																																		
6	FY 08	A	9	0	9					1		1		1		1		1		1		1		1		1		0						
2	FY 08	A	485	0	485				28	28	28	28	28	28	28	28	28	28	28	28	25	25	25	24	25	25		0						
4	FY 08	A	159	0	159				9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	8	8	8		0						
Total			742	89	653				37	38	37	38	37	38	37	38	37	38	34	35	34	33	33	34										
									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	BNCNP BASE, TBD	20	25	30		1	Initial	0	6	7	13	
							Reorder	0	6	7	13	
2	BNCNP GWOT, TBD	20	25	30		2	Initial	0	6	7	13	
							Reorder	0	6	7	13	
3	JNN BASE, TBD	5	7	9			Initial	0	6	7	13	
							Reorder	0	6	7	13	
4	JNN GWOT, TBD	5	7	9		3	Initial	0	6	7	13	
							Reorder	0	6	7	13	
5	HUB BASE, TBD	1	1	1			Initial	0	6	7	13	
							Reorder	0	6	7	13	
6	HUB GWOT, TBD	1	1	1		4	Initial	0	6	7	13	
							Reorder	0	6	7	13	
						5	Initial	0	6	7	13	
							Reorder	0	6	7	13	

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
COMMS-ELEC EQUIP FIELDING (BA5210)

Program Elements for Code B Items:  
52328548

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				11.9							11.9
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				11.9							11.9
Initial Spares											
Total Proc Cost				11.9							11.9
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

This program supports the Army Transformation Campaign Plan for the Interrogated Theater Support Battalions (ITSB). It equips Reserve Component (RC) and Active Component (AC) ITSBs with Combat Communications Systems thru redistribution. This program allows for the RC to receive fully mission capable (FMC) systems that meet 10/20 standard, and are 100 percent complete. These FMC systems are critical for our RC to operate efficiently with the current force on the GWOT battlefield and keep the RC Communicators current to support Home Land Security and national disasters. This effort supports the USARPAC Combatant Commanders, USARPAC deployable packages and Southern European Task Force (SETAF) command, control, communications, and computer intelligence, surveillance, and reconnaissance (C4ISR) communications systems and the DA G8 Force Modernization Development Support Contract.

**Justification:**

FY2008 Base funds will procure contractual services to support the cascading of vital Combat Communications Systems required by our RC for the GWOT and Homeland Defense

FY2008 Global War on Terrorism (GWOT) funding procures additional assets to reset items, replace battle losses, generate and protect forces, and enhance military capabilities.

FY2008 Global War on Terrorism (GWOT) Cost Adjustment funding will procure assets to reset items, replace battle losses, generate and protect forces, and enhance military capabilities for Army Reserves.

FY08 Base \$ 7.902 million  
 FY08 GWOT \$2.000 million  
 FY2008 GWOT Cost Adjustment \$2.000 million  
 FY08 Total \$11.902 million

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: COMMS-ELEC EQUIP FIELDING (BA5210)			Weapon System Type:			Date: September 2007			
OPA2 Cost Elements	ID	FY 06			FY 07			FY 08			FY 09		
	CD	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
<b>FY08 BASE</b>													
Contract Service Support								7902					
<b>FY08 GWOT</b>													
Contract Service Support								2000					
<b>FY08 GWOT Cost Adjustment</b>													
Contract Service Support								2000					
<b>Total:</b>								<b>11902</b>					

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
COMBAT SURVIVOR EVADER LOCATOR (CSEL) (B03200)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				91.4							91.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				91.4							91.4
Initial Spares											
Total Proc Cost				91.4							91.4
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The Combat Survivor Evader Locator (CSEL) system is a hand-held survival radio that provides downed aircrew members and Special Operations Forces personnel multiple communications capabilities and precision location. The radio determines the survivor's location through an embedded Global Positioning System capability. The survivor transmits position/location and situational information via two-way voice Line-of-Sight, beacon, or three satellite communication paths. The Joint Search and Rescue Center receives the satellite information and conducts a hand-off to operational forces that carry out the Combat Search and Rescue (CSAR) mission. The two-way voice communication ensures single pass pickup by enabling the survivor to communicate with the inbound CSAR aircraft.

**Justification:**

FY08 Base Appropriation will procure 585 handheld CSEL radios (AN/PRQ-7), total package fielding, and test and evaluation efforts.

FY08 Global War on Terror (GWOT) funds will procure 3,115 radios, total package fielding, and test and evaluation efforts.

The FY08 GWOT Cost Adjustment will procure an additional 2,522 radios, total package fielding, and test and evaluation efforts.

FY08 Base \$12.072 Million  
 FY08 GWOT \$43.831 Million  
 FY08 GWOT Cost Adjustment: \$35.500 Million  
 FY08 TOTAL: \$91.403 Million

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: COMBAT SURVIVOR EVADER LOCATOR (CSEL) (B03200)			Weapon System Type:		Date: September 2007				
OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
<b>FY08 Base</b>													
Radios								4365	585	7.46			
Other Hardware								4620					
System Project Management								1000					
Logistics Support								575					
Fielding/Training								1512					
<b>Total Base</b>								<b>12072</b>					
<b>FY08 GWOT</b>													
Radios								19313	3115	6.20			
Other Hardware								6916					
Log Spt /VUM Respin/Ltd TAG Upgrade								14202					
Fielding/Training								1800					
Testing								1200					
Facilitization								400					
<b>Total GWOT</b>								<b>43831</b>					
<b>FY08 GWOT Cost Adjustment</b>													
Radios								15642	2522	6.20			
Other Hardware								5601					
Log Spt								11503					
Fielding/Training								1458					
Testing								972					
Facilitization								324					
<b>Total GWOT Cost Adjustment</b>								<b>35500</b>					
-----													
Other Hardware cost reflects the accessory equipment provided to the Army during fielding (e.g.,Radio Set Adapter, Rechargeable Batteries, Laptops, etc.).													

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: COMBAT SURVIVOR EVADER LOCATOR (CSEL) (B03200)			Weapon System Type:			Date: September 2007			
<b>OPA2 Cost Elements</b>	ID	<b>FY 06</b>			<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
	CD	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
<b>Total:</b>								<b>91403</b>					

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: COMBAT SURVIVOR EVADER LOCATOR (CSEL) (B03200)								
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>FY08 Base</b> FY 2008	Boeing, North America Anaheim, CA	SS/FFP	AFMC/ESC HANSCOM AFB	Mar 08	Jan 09	585	7.46	Y		
<b>FY08 GWOT</b> FY 2008	Boeing, North America Anaheim, CA	SS/FFP	AFMC/ESC HANSCOM AFB	Mar 08	Jan 09	3115	6.20	Y		
<b>FY08 GWOT Cost Adjustment</b> FY 2008	Boeing, North America Anaheim, CA	SS/FFP	AFMC/ESC HANSCOM AFB	Jun 08	Apr 09	2522	6.20	Y		

REMARKS: Above unit cost data reflects the cost of radios only.





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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
RADIO, IMPROVED HF (COTS) FAMILY (BU8100)

Program Elements for Code B Items: Code: Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				527.8							527.8
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				527.8							527.8
Initial Spares											
Total Proc Cost				527.8							527.8
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The improved High-Frequency (HF) Commercial Off the Shelf (COTS) Radio Family consists of the Tactical Handheld Radio (HHR), the High Frequency Radio (AN/PRC-150), and the COTS Tactical (TACSAT) radios (AN/PSC-5D and AN/PRC-117).

The HHR is a small, lightweight full-featured Combat Net Radio operating contiguously over the UHF/VHF bands in the 30-512 MHz frequency range. The radio has embedded US type-1 Communications Security (COMSEC) protection and is capable of both voice and data modes of operation. The HHR provides a hand held, highly flexible tactical radio useful over a very broad range of combat environments. System options include Single Channel Ground and Airborne Radio System (SINGARS), HAVEQUICK I/II, and Advanced Narrowband Digital Voice Terminal (ANDVT) waveforms and a retransmission capability compatible with existing equipment.

The HF Radio is a COTS Non-Developmental Item family of advanced HF radios that provides reliable, long-range tactical radio communications through use of advanced digital signal processing. The radio reduces the need for separate cryptographic equipment by embedding US type-1 COMSEC within the radio. The AN/PRC-150 family is available as a lightweight 20-watt man-pack radio, 20-watt and 150-watt vehicular radio and a 400-watt transportable base station configuration. The radio provides reliable Line-of-Sight (LOS) and Beyond LOS communication in Upper Sideband, Lower Sideband, Automated Link Establishment, Continuous War, and FM modes. The radio is interoperable with other HF radios within the Army that have these modes of operation. The National Security Agency endorsed the COMSEC features of the AN/PRC-150 HF radio on 4 June 2001.

The TACSAT radios (both AN/PSC-5D and AN/PRC-117F) provide units with Multi-Mode voice and data radio communications in LOS and SATCOM modes of operation. The radios provide Command and Control (C2) communications for the Corps and Division Warfighter Nets, and support Army Special Operations Forces C2. The radios operate in the VHF/UHF bands (30-512 MHz), and are available in three configurations: Manpack, SATCOM on the Move (SOTM), and Transit Case. The AN/PSC-5D is manufactured by Raytheon, Largo, FL. The AN/PRC-117F is manufactured by Harris Corporation, Rochester, NY.

**Justification:**

FY08 Base Appropriation procures 231 TACSAT Radios, 2,755 Handheld Radios, 390 AN/PRC-150 Radios, and their associated ancillaries and services.

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: September 2007
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Item Nomenclature RADIO, IMPROVED HF (COTS) FAMILY (BU8100)
Program Elements for Code B Items:	Code:	Other Related Program Elements:
<p>FY08 Global War on Terrorism (GWOT) dollars will be used to procure a combination of 276 AN/PSC-5D or AN/PRC-117F TACSAT Radios; 22,150 AN/PRC-148 radios; and 4,359 AN/PRC-150 High frequency radios, along with their associated spares, field engineering, and training costs.</p> <p>FY08 GWOT Cost Adjustment funds will be used to procure a combination of 262 AN/PSC-5D and/or AN/PRC-117F TACSAT Radios and 288 AN/PRC-150 High Frequency radios, along with their associated spares, field engineering, and training costs.</p> <p>FY08 Baseline - \$65.530 Million  FY08 GWOT Request - \$433.398 Million  FY08 GWOT Cost Adjustment - \$28.890 Million  FY08 Total - \$527.818 Million</p>		

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: RADIO, IMPROVED HF (COTS) FAMILY (BU8100)			Weapon System Type:		Date: September 2007				
OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
<b>FY08 Baseline</b>													
Cots Tactical Radios								12727	231	55.0			
Hand Held Radio (PRC 148)								19562	2755	7.0			
High Frequency Radio (PRC 150)								19563	390	50.0			
Engineering Support/Training								3111					
Initial Spares								2593					
PMO								7974					
<b>FY08 Baseline Subtotal</b>								<b>65530</b>					
<b>FY08 GWOT Request</b>													
Cots Tactical Radio								15180	276	55.0			
Hand Held Radio (PRC 148)								157269	22151	7.0			
High Frequency Radio (PRC 150)								218000	4359	50.0			
Engineering Support/Training								23427					
Initial Spares								19522					
<b>FY08 GWOT Request Subtotal</b>								<b>433398</b>					
<b>FY08 GWOT Cost Adjustment</b>													
TACSAT Radios								14445	262	55.1			
AN/PRC-150 Radios								14445	288	50.2			
<b>FY08 GWOT Cost Adjustment Subtotal</b>								<b>28890</b>					
<b>Total:</b>								<b>527818</b>					

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
COTS Tactical Radios (B81803)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				53.4							53.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				53.4							53.4
Initial Spares											
Total Proc Cost				53.4							53.4
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The TACSAT radios (both AN/PSC-5D and AN/PRC-117F) provide units with Multi-Mode voice and data radio communications in Line of Sight and SATCOM modes of operation. The radios provide Command and Control (C2) communications for the Corps and Division Warfighter Nets, and support Army Special Operations Forces C2. The radios operate in the VHF/UHF bands (30-512 MHz), and are available in three configurations: Manpack, SATCOM on the Move (SOTM), and Transit Case. The AN/PSC-5D is manufactured by Raytheon, Largo, FL. The AN/PRC-117F is manufactured by Harris Corporation, Rochester, NY.

**Justification:**

FY08 Base Appropriation procures a combined total of 231 AN/PSC-5D and/or AN/PRC-117F TACSAT radios, the quantity of each TBD by DA.

FY08 Global War on Terrorism (GWOT) request will be used to procure a combined total of 276 AN/PSC-5D and/or AN/PRC-117F TACSAT Radios, with their associated ancillaries and services, the quantity of each TBD by DA.

FY08 GWOT Cost Adjustment funds a combined total of 262 AN/PSC-5D and/or AN/PRC-117F TACSAT Radios, with their associated ancillaries and services, the quantity of each TBD by DA.

FY08 Base Appropriation: \$22.101 Million  
 FY08 GWOT: \$16.850 Million  
 FY08 GWOT Cost Adjustment: \$14.445 Million  
 FY08 Total - \$53.396 Million

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: COTS Tactical Radios (B81803)			Weapon System Type:		Date: September 2007				
OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
<b>FY08 Baseline</b>													
COTS TACSAT Radio Procurements								12727	231	55.1			
PMO								7974					
Engineering Spt/Fielding/Training								764					
ISRP - Spares								636					
<b>Subtotal - FY08 Baseline</b>								<b>22101</b>					
<b>FY08 GWOT Request</b>													
Radio AN/PRC-150								15180	276	55.0			
Engineering Spt/Fielding/Training								911					
ISRP - Spares								759					
<b>Subtotal - FY08 GWOT Request</b>								<b>16850</b>					
<b>FY08 GWOT Cost Adjustment</b>													
COTS TACSAT Radio Procurements								14445	262	55.1			
<b>Total:</b>								<b>53396</b>					

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

Date:  
September 2007

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>FY08 Baseline</b> FY 2008	TBD TBD	FFP	LCMC, Ft Mon, NJ	Mar 08	Oct 08	231	55.1	Y		
<b>FY08 GWOT Request</b> FY 2008	TBD TBD	FFP	LCMC, Ft Mon, NJ	Mar 08	Oct 08	276	55.1	Y		
<b>FY08 GWOT Cost Adjustment</b> FY 2008	TBD TBD	FFP	LCMC, Ft Mon, NJ	Mar 08	Oct 08	262	55.1	Y		

REMARKS:

**FY 08 / 09 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
COTS Tactical Radios (B81803)

Date: September 2007

COST ELEMENTS						Fiscal Year 08										Fiscal Year 09										Later					
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 08										Calendar Year 09															
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY		JUN	JUL	AUG	SEP	
FY08 Baseline																															
1	FY 08	A	231	0	231						A								25	25	25	25	25	25	25	25	31				0
FY08 GWOT Request																															
1	FY 08	A	276	0	276						A								25	25	25	25	25	25	25	25	25	25	26		0
FY08 GWOT Cost Adjustment																															
1	FY 08	A	262	0	262						A								25	25	25	25	25	25	25	25	25	25	12		0
Total																															
			769		769														75	75	75	75	75	75	75	75	81	50	38		

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			0	1			
1	TBD, TBD	25	50	100							

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
HAND HELD RADIO/PRC 148 (B81804)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				196.3							196.3
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				196.3							196.3
Initial Spares											
Total Proc Cost				196.3							196.3
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The AN/PRC-148 is one of the world's smallest and lightest full-featured Combat Net Radio (CNR) operating contiguously over the 30-512 MHz frequency range. The radio has embedded US type-1 COMSEC protection and is capable of both voice and data modes of operation. The AN/PRC-148 provides a hand held, highly flexible tactical radio useful over a very broad range of combat environments. System options include SINCGARS, HAVEQUICK I/II and ANDVT waveforms and a retransmission capability compatible with existing equipment.

**Justification:**

FY08 GWOT funds procures an additional 22,150 AN/PRC-148 radios, their associated spares, field engineering, and training.

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: HAND HELD RADIO/PRC 148 (B81804)			Weapon System Type:			Date: September 2007		
<b>OPA2 Cost Elements</b>	ID	<b>FY 06</b>			<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
	CD	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
<b>FY08 Baseline</b>													
AN/PRC- 148 Radios								19562	2755	7			
Engineering Technical/Training								1174					
Initial Spares								978					
<b>Subtotal FY08 Baseline</b>								<b>21714</b>					
<b>FY08 GWOT</b>													
AN/PRC-148 Radios								157269	22150	7			
Engineering Technical/Training								9436					
Initial Spares								7863					
<b>Subtotal FY08 GWOT</b>								<b>174568</b>					
<b>Total:</b>								<b>196282</b>					

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

Date:  
September 2007

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
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment										
		Weapon System Type:	P-1 Line Item Nomenclature: HAND HELD RADIO/PRC 148 (B81804)							
<b>FY08 Baseline</b> FY 2008	Thales-148 Bethesda , MD	IDIQ	JTRS JPEO, San Diego CA	May 08	Jan 09	2755	7	Y		
<b>FY08 GWOT</b> FY 2008	Thales-148 Bethesda , MD	IDIQ	JTRS JPEO, San Diego, CA	May 08	Jan 09	6850	7	Y		
FY 2008	Harris-152 Rochester, NY	IDIQ	Fort Monmouth, NJ	May 08	Jan 09	15250	7	Y		

REMARKS:



<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE HAND HELD RADIO/PRC 148 (B81804)	Date: September 2007
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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			

FY08 Baseline																															
1	FY 08	A	2755	2250	505	325	180																								0
FY08 GWOT																															
1	FY 08	A	6850	6850																											0
2	FY 08	A	15250	4350	10900	1175	1320	1500	1500	1500	1500	1500	905																		0
Total			24855	13450	11405	1500	1500	1500	1500	1500	1500	1500	905																		
						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 Assumes FY07 Supplemental awarded and vendors will operate at MAX capacity.
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
		1	Thales-148, Bethesda, MD	400	1500	2500		1	Initial	0	
2	Harris-152, Rochester, NY	400	1500	2500		2	Reorder	0	1	3	4
3	Land Mobile Radio (LMR), TBD	50	150	250		3	Initial	0	1	11	12
							Reorder	0	1	4	5
							Initial				
							Reorder				
							Initial				
							Reorder				

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
HIGH FREQUENCY RADIO/PRC 150 (B81806)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				278.1							278.1
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				278.1							278.1
Initial Spares											
Total Proc Cost				278.1							278.1
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The HF Radio is a COTS Non-Developmental Item family of advanced HF radios that provides reliable, long-range tactical radio communications through use of advanced digital signal processing. The radio reduces the need for separate cryptographic equipment by embedding US type-1 Communications Security (COMSEC) within the radio. The AN/PRC-150 family is available as a lightweight 20-watt man-pack radio, 20-watt and 150-watt vehicular radio and a 400-watt transportable base station configuration. The radio provides reliable Line-of-Sight (LOS) and Beyond LOS communication in Upper Sideband, Lower Sideband, Automated Link Establishment, Continuous War, and FM modes. The radio is interoperable with other HF radios within the Army that have these modes of operation. The National Security Agency endorsed the COMSEC features of the AN/PRC-150 HF radio on 4 June 2001.

**Justification:**

FY08 Base Appropriation supports the procurement of 390 AN/PRC-150 radios, spares, fielding and training.

FY08 Global War on Terrorism (GWOT) Request supports the procurement of 4,359 additional radios, their associated spares, field engineering, and training.

FY08 GWOT Cost Adjustment funds the procurement of an additional 288 AN/PRC-150 radios, including fielding and training costs.

FY08 Base Appropriation - \$21.715 Million  
 FY08 GWOT Request - \$241.980 Million  
 FY08 GWOT Cost Adjustment - \$14.445 Million  
 FY08 Total - \$278.140 Million

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: HIGH FREQUENCY RADIO/PRC 150 (B81806)			Weapon System Type:			Date: September 2007		
<b>OPA2 Cost Elements</b>	ID	<b>FY 06</b>			<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
	CD	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
<b>FY08 Baseline</b>													
AN/PRC-150 Radios								19563	390	50.0			
Field Engineering/Training Support								1174					
Initial Spares								978					
<b>Subtotal - FY08 Baseline</b>								<b>21715</b>					
<b>FY08 GWOT Request</b>													
AN/PRC-150 Radios								218000	4359	50.0			
Field Engineering/Training Support								13080					
Initial Spares								10900					
<b>Subtotal - FY08 GWOT Request</b>								<b>241980</b>					
<b>FY08 GWOT Cost Adjustment</b>													
AN/PRC-150 Radios								14445	288	50.2			
<b>Total:</b>								<b>278140</b>					

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

Date:  
September 2007

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>FY08 Baseline</b> FY 2008	Harris- 150 Rochester, NY	IDIQ	LCMC, Ft. Mon, NJ	Jan 08	May 08	390	50.0	Y		
<b>FY08 GWOT Request</b> FY 2008	Harris- 150 Rochester, NY	IDIQ	LCMC, Ft. Mon, NJ	Jan 08	May 08	4359	50.0	Y		
<b>FY08 GWOT Cost Adjustment</b> FY 2008	Harris- 150 Rochester, NY	IDIQ	LCMC, Ft. Mon, NJ	Jan 08	May 08	288	50.0	Y		

REMARKS:

**FY 08 / 09 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
HIGH FREQUENCY RADIO/PRC 150 (B81806)

Date: September 2007

COST ELEMENTS					Fiscal Year 08													Fiscal Year 09													Later	
MFR	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 08													Calendar Year 09													
						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			
FY08 GWOT Cost Adjustment																																
1	FY 08	A	288	0	288				A					25	50	100	100	13											0			
FY08 GWOT Request																																
1	FY 08	A	4359	0	4359				A					555	525	470	360	360	360	370	370	460	529					0				
FY08 Baseline																																
1	FY 08	A	390	0	390				A					20	25	30	40	40	40	40	30	30	30	30	30	45		0				
Total			5037		5037									600	600	600	500	413	400	400	400	490	559	30	45							
						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	Harris- 150, Rochester, NY	100	600	850		1	0	1	4	5	
							0	1	3	4	

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
MEDICAL COMM FOR CBT CASUALTY CARE (MC4) (MA8046)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				94.2							94.2
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				94.2							94.2
Initial Spares											
Total Proc Cost				94.2							94.2
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The Medical Communications for Combat Casualty Care (MC4) System provides multipliers to the medical force structure through the acquisition of information technology solutions for the deployable medical forces. The MC4 System will fulfill the requirements highlighted in United States Code; Title 10; Subtitle A; Part II; Chapter 55; Section 1074f; mandating the proper documentation of deployed service members to include pre- and post-deployment screening and its associated medical surveillance. The MC4 System will also interface Force Health Protection and medical surveillance information with Army Battle Command and Combat Service Support information technology systems as they evolve to support the Army Transformation.

**Justification:**

FY08 Base procures MC4 hardware and provides new equipment training to support on-going infrastructure deployment which will provide Theatre Medical Information Program (TMIP) and Army unique applications to Active component and National Guard (NG) component to include 2 Active Brigade Combat Teams (BCTs), 4 NG BCTs, 8 Aviation brigades, 6 command and control units (division and Army level), 2 Special Forces Groups and 3 Sustainment Commands/Brigades. In addition, funding allows MC4 to acquire, integrate and deploy automation technology in support of the Army Campaign Plan and warfighting Combatant Commanders.

FY08 Global War on Terrorism (GWOT) funding procures additional assets to reset items, replace battle losses, generate and protect forces, and enhance military capabilities.

FY08 GWOT Cost Adjustment funding procures 1,270 items of MC4 equipment to upgrade and maintain readiness of Theatre Provided Equipment (TPE), which is in place for medical units to fall in on through a rotation and operates the Theatre Medical Information Program system capability.

FY08 Base Procurement \$19.525 million  
 FY08 GWOT \$12.934 million  
 FY08 GWOT Cost Adjustment \$61.724 million  
 FY08 Total Procurement \$94.183 million

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: MEDICAL COMM FOR CBT CASUALTY CARE (MC4) (MA8046)			Weapon System Type:			Date: September 2007			
OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
<b>FY08 Base</b>													
Medical Information Systems Equip								10140					
PMO Fielding Management								3950					
Field equipment/conduct New Equip Train								5435					
<b>FY08 Base Total</b>								<b>19525</b>					
<b>FY08 GWOT</b>													
Medical Information Systems Equip								12934					
<b>FY08 GWOT Total</b>								<b>12934</b>					
<b>FY08 GWOT Cost Adjustment</b>													
Medical Information Systems Equip								12180					
Theatre Provided Equipemnt (TPE)								6055	1270				
Active Component								24666					
National Guard Component								3747					
Army Reserves Component								15076					
<b>FY08 GWOT Cost AdjustmentTotal</b>								<b>61724</b>					
<b>Total:</b>								<b>94183</b>					

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: MEDICAL COMM FOR CBT CASUALTY CARE (MC4) (MA8046)								
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>FY08 Base</b>										
<b>Medical Information Systems Equip</b>										
FY 2008	TBS ITEC-4 Alexandria, VA	C/FP	Alexandria, VA	Dec 07	TBD					
<b>PMO Fielding Management</b>										
FY 2008	General Dynamics (IT) Frederick, MD	FP	GSA Philadelphia	Feb 08	VAR					
<b>Field equipment/conduct New Equip Train</b>										
FY 2008	General Dynamics (IT) Frederick, MD	CP	GSA Philadelphia	Feb 08	VAR					
<b>FY08 GWOT</b>										
<b>Medical Information Systems Equip</b>										
FY 2008	TBS ITEC-4 Alexandria, VA	CPFF	Alexandria, VA	TBD	TBD					
<b>FY08 GWOT Cost Adjustment</b>										
<b>Medical Information Systems Equip</b>										
FY 2008	TBS ITEC-4 Alexandria, VA	CPFF	Alexandria, VA	TBD	TBD					

REMARKS: TBS - To be selected  
 ITEC-4: Information Technology and Electronic Commerce Commercial Contracting Center  
 TBD - To be determined  
 Contracted product management office support and new equipment training is provided under GSA/General Dynamics-Information Technology Division contract awarded 28 Feb 2005 with option years through 28 Feb 2010. Equipment has been procured through ITEC-4, Dec 2007

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
CI AUTOMATION ARCHITECTURE (BK5284)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				8.9							8.9
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				8.9							8.9
Initial Spares											
Total Proc Cost				8.9							8.9
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

This program provides the Army, as a member of the DoD counterintelligence (CI) community, with an advanced global automated data processing information environment and architecture. It also enhances the Army's ability to counter the global threat through significant improvements in information sharing, common situational awareness, and knowledge management in a joint operational environment. This program resources time-sensitive CI force protection support to a deployed Land Component Commander and the development and overcapitalization of the Defense counterintelligence Information System (DCIIS).

**Justification:**

FY2008 Global War on Terrorism (GWOT) funding procures additional assets to reset items, replace battle losses, generate and protect forces, and enhance military capabilities.

FY08 Base - \$1.461 million  
 FY08 GWOT - \$7.410 million  
 FY08 Total - \$8.871 million

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
TSEC - ARMY KEY MGT SYS (AKMS) (BA1201)

Program Elements for Code B Items:  
0303140A

Code:  
A

Other Related Program Elements:  
Z16800 Battlefield Electronics Communications System (BECS)

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				98.8							98.8
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				98.8							98.8
Initial Spares											
Total Proc Cost				98.8							98.8
Flyaway U/C											
Weapon System Proc U/C											

**Description:**  
 Army Key Management System (AKMS) is the Army's system to automate the functions of Communications Security (COMSEC) key management control and distribution, Electronic Counter-Countermeasures (ECCM) generation and distribution and Signal Operation Instructions (SOI) management. AKMS will electronically generate and distribute Army key and key-related material, thereby limiting adversarial access to, and reducing the vulnerability of Army Command, Communications, Computers, and Intelligence (C4I) systems. It provides key management to communications and network planning. AKMS consists of three components, namely, the Local COMSEC Management Software (LCMS), the Automated Communications Engineering System (ACES), and the Data Transfer Device (DTD). LCMS is the Army's portion of the four-tiered Electronic Key Management System (EKMS). The EKMS is a key management, COMSEC material distribution and logistics support system consisting of inter operable service and civil agency key management systems. ACES is a Spectrum Management tool that will provide enhanced automated functions of net/cryptonet management, Signal Operating Instructions and Electronic Protection. The Data Transfer Device (DTD) moves the ACES/LCMS data to End Crypto Units (ECUs). The DTD acquisition strategy was updated in an Acquisition Decision Memorandum (ADM) approved by the PEO C3T Milestone Decision Authority (MDA) on 10 June 2002. The DTD will now be known as the Simple Key Loader (SKL). The SKL, although not a recognized Joint Program, has multi-service support. The Tri-Services have formed a Tri-Service Working Group (TSWG) to support the SKL production/fielding. Army is the chair for the TSWG and the Air Force, Navy and the National Security Agency (NSA) are voting members. Customer funding has been received from the other services to procure SKLs for field use. The SKL initial production were delivered to the 101st Airborne Division in FY05. Fielding to remaining Army units is in progress. The Coalition Joint Spectrum Management Planning Tool (CJSMPT) supports deconfliction of Improvised Explosive Devices (IED) Jammers and Blue Force Communications.

**Justification:**  
 FY2008 baseline funding procures SKLs, continues the fielding of the SKL, continues post production software support (PPSS) for the SKLs and the Coalition Joint Spectrum Management Planning Tool (CJSMPT), and provides for the associated government and contractor engineering support and training. The SKL will be utilized to perform all Tier Three functions of Electronic Key Management System (EKMS). The CJSMPT supports deconfliction of Improvised Explosive Device (IED) Jammers and Blue Force Communications.

FY2008 Global War on Terrorism (GWOT) funding will procure additional assets to reset items, replace battle losses, generate and protect forces, and enhance military capabilities. FY08 GWOT procures 26,398 SKLs, continues fielding of the SKLs, and provides for the associated Government and contractor engineering support, and procures the replacement of the LCMS workstations.

FY2008 GWOT Cost Adjustment will procure 13,143 SKLs, continues fielding of the SKLs, and provides for the associated Government and contractor engineering support.

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

Date:

September 2007

Appropriation / Budget Activity / Serial No:

Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature

TSEC - ARMY KEY MGT SYS (AKMS) (BA1201)

Program Elements for Code B Items:

0303140A

Code:

A

Other Related Program Elements:

Z16800 Battlefield Electronics Communications System (BECS)

FY08 Base: \$23.225 million

FY08 GWOT: \$51.600 million

FY08 GWOT Cost Adjustment: \$24.000 million

FY08 Total: \$98.825 million

OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
FY08 Base													
Simple Key Loader HW							13752	7370	1.866				
Gov't Engineering							1697						
Contractor Engineering							3462						
Fielding/NET Current Systems							2228						
Software Upgrade							1854						
SKL ancillary equipment (cables)							232						
<b>Sub-total -- Baseline</b>							<b>23225</b>						
FY08 GWOT													
Simple Key Loader HW							47702	26398	1.807				
Gov't Engineering							157						
Contractor Engineering							225						
Fielding/NET Current Systems							516						
LCMS Workstation							3000						
<b>Sub-total -- GWOT</b>							<b>51600</b>						
FY08 GWOT Cost Adjustment													
Simple Key Loader HW							23751	13143	1.807				
Fielding/NET SKL							249						
<b>Sub-Total--GWOT Cost Adjustment</b>							<b>24000</b>						
-----													
KOV-21 card, which is GFE from NSA.													
NOTE: SKL includes the host (COTS) and													
<b>Total:</b>							<b>98825</b>						

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: TSEC - ARMY KEY MGT SYS (AKMS) (BA1201)								
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>FY08 Base</b> <b>Simple Key Loader HW</b> FY 2008	Sierra Nevada Corp. Sparks, NV	IDIQ	Ft. Monmouth, NJ			7370	1.866	Y		
<b>FY08 GWOT</b> <b>Simple Key Loader HW</b> FY 2008	Sierra Nevada Corp. Sparks, NV	IDIQ	Ft. Monmouth, NJ			26398	1.807	Y		
<b>FY08 GWOT Cost Adjustment</b> <b>Simple Key Loader HW</b> FY 2008	Sierra Nevada Corp. Sparks, NV	IDIQ	Ft. Monmouth, NJ			13143	1.807	Y		

REMARKS:



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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				215.3							215.3
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				215.3							215.3
Initial Spares											
Total Proc Cost				215.3							215.3
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The Information Systems Security Program (ISSP) procures tests and integrates Communications Security (COMSEC) solutions, key management capabilities and information assurance (IA) tools to secure the Global Information Grid (GIG). New and emerging architectures are driving the need to replace current inventory of stove pipe systems (non-network centric/non-GIG compliant components) with technologically advanced devices that incorporate Chairman of the Joint Chiefs of Staff and Joint Requirements Oversight Council directed cryptographic modernization, advanced key management and network centric performance capabilities.

Biometrics, automated methods of human recognition, is a component within the ISSP. Biometrics has a Biometric Task Force (BTF) and the Biometrics Fusion Center (BFC). Among the many functions of the BTF, it coordinates technical demonstrations with the military services and various DoD agencies to promote the use of biometric technology within the DoD. The results of these demonstrations will be used to fill capability gaps and to ultimately acquire an interoperable biometric product.

Army Public Key Infrastructure (PKI) is also a component within the ISSP. PKI incorporates the DoD PKI program and the Deputy Secretary of Defense mandate to implement Smart Card technology in the form of the Common Access Card (CAC). PKI will support Homeland Security Presidential Directive (HSPD)-12 implementation within the Army.

**Justification:**

FY08 Base procures cryptographic solutions, high assurance network security devices and key management tools for information assurance. For Biometrics FY08 also procures technology demonstrations (pilot projects). The BTF funds a portion of the product cost of selected pilots and then selects the pilots that will be funded for that fiscal year. In addition, FY08 procures for PKI commercial-off-the-shelf (COTS) hardware/software for new emerging technological implementation to ensure security of the network keeps pace with a changing environment to ensure network security and identity management for the CAC program.

FY08 GWOT Supplemental procures In-Line Encryptor/Electronic Key Management System upgrades necessary to secure the GIG and enhance Tier 1 and Tier 2 connectivity; Enhanced Cryptographic Cards and to meet the initial Grow the Army requirements.

In addition, FY 2008 GWOT Supplemental funding procures enhancements for Automated Biometrics Identification System (ABIS) operational needs within the USCENTCOM AOR. Enhancements include: Biometric Identification System upgrades; base access, security and communication architecture solutions.

**Exhibit P-40, Budget Item Justification Sheet**Date:  
September 2007Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics EquipmentP-1 Item Nomenclature  
INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

FY08 GWOT Cost Adjustment funds will procure a new generation of In-Line Encryptors to provide greater bandwidth and improved security to support warfighter information dominance, Simple Key Loader (SKL) to support and meet the increased demand for crypto key volume, and emerging crypto systems which cannot be supported by current Data Transfer Device (DTD). In addition, the funds will procure communication systems to replace Reserve component units equipment that was damaged in combat.

FY 2008 Base Appropriation: \$60.301 million  
FY 2008 GWOT Request: \$ 96.651 million  
FY 2008 GWOT Cost Adjustment: \$ 58.340 million  
FY 2008 Total \$215.292 million

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)			Weapon System Type:			Date: September 2007		
<b>OPA2 Cost Elements</b>	ID	<b>FY 06</b>			<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
	CD	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
FY08 Base													
NEW IN-LINE ENCRYPTOR	A							7007	637	11.0			
LINK/TRUNK ENCRYPTOR	A							14496	1812	8.0			
INSTALLATION KITS	A							5199	1733	3.0			
SECURE WIRED	A							750	375	2.0			
SECURE TERMINAL EQUIPMENT								4000	8000	0.5			
SECURE WIRELESS	A							750	75	10.0			
ELECTRONIC FILL DEVICE	A							4000	2000	2.0			
EKMS	A							4368					
FIELDING	A							8629					
NETWORK SECURITY MANAGEMENT TOOLS								5400					
BIOMETRICS								3006					
PUBLIC KEY INFRASTRUCTURE								2696					
<b>Base Appropriation Subtotal</b>								<b>60301</b>					
FY08 GWOT													
NEW IN-LINE ENCRYPTOR								56650	5150	11.0			
SECURE VOICE ENCRYPTOR								420	70	6.0			
ENHANCED CRYPTO CARD								7881	19702	0.4			
BIOMETRICS								31700					
<b>FY08 GWOT Supplemental Subtotal</b>								<b>96651</b>					
FY08 GWOT Cost Adjustment													
NEW IN-LINE ENCRYPTOR	A							32494	2954	11.0			
ELECTRONIC FILL DEVICE								25016	12508	2.0			
BIOMETRICS								830					
<b>FY08 GWOT Cost Adjustment</b>								<b>58340</b>					
<b>Total:</b>								<b>215292</b>					

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)								
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>FY08 Base</b>										
<b>NEW IN-LINE ENCRYPTOR</b> FY 2008	NSA FORT MEADE, MD	IDIQ	NSA, Ft. Meade MD	Jan 08	Jan 09	637	11	YES		
<b>LINK/TRUNK ENCRYPTOR</b> FY 2008	NSA FORT MEADE, MD	IDIQ	NSA, Ft. Meade MD	Jan 08	Jan 09	1812	8	YES		
<b>INSTALLATION KITS</b> FY 2008	NSA FORT MEADE, MD	IDIQ	NSA, Ft. Meade MD	Jan 08	Jan 09	1733	3	YES		
<b>SECURE WIRED</b> FY 2008	NSA FORT MEADE, MD	IDIQ	NSA, Ft. Meade MD	Jan 08	Jan 09	375	2	YES		
<b>SECURE TERMINAL EQUIPMENT</b> FY 2008	NSA FORT MEADE, MD	IDIQ	NSA, Ft. Meade MD	Jan 08	Jan 09	8000	1	YES		
<b>SECURE WIRELESS</b> FY 2008	NSA FORT MEADE, MD	IDIQ	NSA, Ft. Meade MD	Jan 08	Jan 09	75	10	YES		
<b>ELECTRONIC FILL DEVICE</b> FY 2008	NSA FORT MEADE, MD	IDIQ	NSA, Ft. Meade MD	Jan 08	Jan 09	2000	2	YES		
<b>FY08 GWOT</b>										
<b>NEW IN-LINE ENCRYPTOR</b> FY 2008	NSA FORT MEADE, MD	IDIQ	NSA, Ft. Meade MD	Jan 08	Jan 09	5150	11	YES		
<b>SECURE VOICE ENCRYPTOR</b> FY 2008	NSA FORT MEADE, MD	IDIQ	NSA, Ft. Meade MD	Jan 08	Jan 09	70	6	YES		
<b>ENHANCED CRYPTO CARD</b> FY 2008	NSA FORT MEADE, MD	IDIQ	NSA, Ft. Meade MD	Jan 08	Jan 09	19702	0	YES		
<b>FY08 GWOT Cost Adjustment</b>										

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)							
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>NEW IN-LINE ENCRYPTOR</b> FY 2008	NSA FORT MEADE, MD	IDIQ	NSA, Ft. Meade MD	Jan 08	Jan 09	2954	11	YES		
<b>ELECTRONIC FILL DEVICE</b> FY 2008	NSA FORT MEADE, MD	IDIQ	NSA, Ft. Meade MD	Jan 08	Jan 09	12508	2	YES		

REMARKS:

**FY 08 / 09 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)

Date: September 2007

COST ELEMENTS						Fiscal Year 08														Fiscal Year 09										Later
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 08														Calendar Year 09										
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
NEW IN-LINE ENCRYPTOR																														
1	FY 08 B	A	637	0	637				A												53	53	53	53	54	53	53	53	53	159
LINK/TRUNK ENCRYPTOR																														
2	FY 08 B	A	1812	0	1812				A												151	151	151	151	151	151	151	151	151	453
INSTALLATION KITS																														
3	FY 08 B	A	1733	0	1733				A												144	144	144	145	145	145	145	145	144	432
SECURE WIRED																														
3	FY 08 B	A	375	0	375				A												31	31	31	31	32	32	32	31	31	93
SECURE TERMINAL EQUIPMENT																														
3	FY 08 B	A	8000	0	8000				A												665	665	667	667	667	667	667	667	667	2001
						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	0	3			12	15			
1	GENERAL DYNAMICS, NEEDHAM, MA	10	500	1800	6	1	Initial	0	3	12	15	
							Reorder	0	3	12	15	
2	MYKOTRONX, INC, TORRANCE, CA	10	500	1800	6	2	Initial	0	3	12	15	
							Reorder	0	3	12	15	
3	NSA, FORT MEADE, MD	10	500	1800	6	3	Initial	0	3	12	15	
							Reorder	0	3	12	15	
4	HARRIS CORP, MELBOURNE, FL	10	500	1800	6	4	Initial	0	3	12	15	
							Reorder	0	3	12	15	
							Initial					
							Reorder					

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)	Date: September 2007
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COST ELEMENTS						Fiscal Year 08												Fiscal Year 09												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 08												Calendar Year 09																			
						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								
SECURE WIRELESS																																					
4	FY 08 B	A	75	0	75				A																		6	6	6	6	7	7	7	6	6	18	
ELECTRONIC FILL DEVICE																																					
3	FY 08 B	A	2000	0	2000				A																		166	166	167	167	167	167	167	167	167	167	499
NEW IN-LINE ENCRYPTOR																																					
1	FY 08 G	A	5150	0	5150				A																		429	429	429	429	429	430	430	429	429	1287	
SECURE VOICE ENCRYPTOR																																					
3	FY 08 G	A	70	0	70				A																		5	6	6	6	6	6	6	6	6	17	
ENHANCED CRYPTO CARD																																					
3	FY 08 G	A	19702	0	19702				A																		1641	1642	1642	1642	1642	1642	1642	1642	1642	1642	4925
						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	2	3	4			Initial	Reorder	Initial	Reorder	
1	GENERAL DYNAMICS, NEEDHAM, MA	10	500	1800	6	1	Initial	0	3	12	15	
							Reorder	0	3	12	15	
2	MYKOTRONX, INC, TORRANCE, CA	10	500	1800	6	2	Initial	0	3	12	15	
							Reorder	0	3	12	15	
3	NSA, FORT MEADE, MD	10	500	1800	6	3	Initial	0	3	12	15	
							Reorder	0	3	12	15	
4	HARRIS CORP, MELBOURNE, FL	10	500	1800	6	4	Initial	0	3	12	15	
							Reorder	0	3	12	15	
							Initial					
							Reorder					



<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)	Date: September 2007
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COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												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 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	

NEW IN-LINE ENCRYPTOR																															
1	FY 08 B	A	637	478	159	53	53	53																							0

LINK/TRUNK ENCRYPTOR																															
2	FY 08 B	A	1812	1359	453	151	151	151																							0

INSTALLATION KITS																															
3	FY 08 B	A	1733	1301	432	144	144	144																							0

SECURE WIRED																															
3	FY 08 B	A	375	282	93	31	31	31																							0

SECURE TERMINAL EQUIPMENT																															
3	FY 08 B	A	8000	5999	2001	667	667	667																							0
						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	2	3	4	Initial	Reorder	Initial	Reorder	Initial	Reorder	
1	GENERAL DYNAMICS, NEEDHAM, MA	10	500	1800	6	1	Initial	0	3	12	15	
							Reorder	0	3	12	15	
2	MYKOTRONX, INC, TORRANCE, CA	10	500	1800	6	2	Initial	0	3	12	15	
							Reorder	0	3	12	15	
3	NSA, FORT MEADE, MD	10	500	1800	6	3	Initial	0	3	12	15	
							Reorder	0	3	12	15	
4	HARRIS CORP, MELBOURNE, FL	10	500	1800	6	4	Initial	0	3	12	15	
							Reorder	0	3	12	15	
							Initial					
							Reorder					

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>														P-1 ITEM NOMENCLATURE INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)										Date: September 2007	
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COST ELEMENTS						Fiscal Year 10														Fiscal Year 11														Later
MFR	FY	S E R V	PROC QTY Units	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					
SECURE WIRELESS																																		
4	FY 08 B	A	75	57	18	6	6	6																								0		
ELECTRONIC FILL DEVICE																																		
3	FY 08 B	A	2000	1501	499	167	166	166																								0		
NEW IN-LINE ENCRYPTOR																																		
1	FY 08 G	A	5150	3863	1287	429	429	429																								0		
SECURE VOICE ENCRYPTOR																																		
3	FY 08 G	A	70	53	17	6	6	5																								0		
ENHANCED CRYPTO CARD																																		
3	FY 08 G	A	19702	14777	4925	1642	1642	1641																								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	Prior 1 Oct			After 1 Oct				
							1	Initial	0	3	12	
1	GENERAL DYNAMICS, NEEDHAM, MA	10	500	1800	6	1	Initial	0	3	12	15	
							Reorder	0	3	12	15	
2	MYKOTRONX, INC, TORRANCE, CA	10	500	1800	6	2	Initial	0	3	12	15	
							Reorder	0	3	12	15	
3	NSA, FORT MEADE, MD	10	500	1800	6	3	Initial	0	3	12	15	
							Reorder	0	3	12	15	
4	HARRIS CORP, MELBOURNE, FL	10	500	1800	6	4	Initial	0	3	12	15	
							Reorder	0	3	12	15	
							Initial					
							Reorder					

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)	Date: September 2007
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COST ELEMENTS						Fiscal Year 10													Fiscal Year 11													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 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			
NEW IN-LINE ENCRYPTOR																																
1	FY 08 CA	A	2954	2216	738	246	246	246																					0			
ELECTRONIC FILL DEVICE																																
3	FY 08 CA	A	12508	9382	3126	1042	1042	1042																					0			
Total						55016	41268	13748	4584	4583	4581																					
						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	0				3
1	GENERAL DYNAMICS, NEEDHAM, MA	10	500	1800	6	1	Initial	0	3	12	15		
							Reorder	0	3	12	15		
2	MYKOTRONX, INC, TORRANCE, CA	10	500	1800	6	2	Initial	0	3	12	15		
3	NSA, FORT MEADE, MD	10	500	1800	6	2	Reorder	0	3	12	15		
4	HARRIS CORP, MELBOURNE, FL	10	500	1800	6	3	Initial	0	3	12	15		
							Reorder	0	3	12	15		
						4	Initial	0	3	12	15		
						4	Reorder	0	3	12	15		
							Initial						
							Reorder						

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

Date: September 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: INFORMATION SYSTEMS (BB8650)

Program Elements for Code B Items: Code: Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				165.7							165.7
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				165.7							165.7
Initial Spares											
Total Proc Cost				165.7							165.7
Flyaway U/C											
Weapon System Proc U/C											

**Description:**  
 This program provides for improvement/modernization of Army base level voice, data and video networks worldwide. It encompasses nontactical telecommunications services in support of Army base operations, Army Knowledge Management (AKM) Goal 3, Army Campaign Plan and Information Systems for Command and Control (C2) requirements and also funds the acquisition of common user information systems in support of Military Construction, Army (MCA) projects. This program also has the mission to field integrated, supportable information technology (IT) solutions for transformation in business processes which enables the Army to manage its infostructure as an enterprise.

**Justification:**  
 FY08 Base procures the acquisition of information systems equipment and switch expansion equipment (not otherwise included in the MCA appropriation) to be installed in conjunction with Military Construction Army (MCA) projects worldwide. FY08 also procures engineering and acquisition of transmission, cabling and switching equipment necessary to provide NIPRNET/SIPRNET/VTC to meet mission requirements in Pacific Command (PACOM) and European Command (EUCOM). In addition, FY08 procures the continued modernization and sustainment of select intelligence processing and communication systems within ajor US Forces Korea (USFK)/Combined Forces Command (CFC) command centers that support peninsula multidisciplinary intelligence, surveillance, and reconnaissance (ISR) operations.

FY08 GWOT Cost Adjustment procures information systems requirements associated with approved MCA projects. Funding is applied to specific projects based upon mission priority, timing of construction schedules, beneficial occupancy dates (BOD) and minimum lead time required for acquisition and installation of associated information system equipment.

FY08 Base: \$156.170 Million  
 FY08 GWOT Cost Adjustment: \$9.546 Million  
 FY08 Total: \$165.716

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: INFORMATION SYSTEMS (BB8650)			Weapon System Type:			Date: September 2007			
OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
<b>FY08 Base Appropriation</b>													
Information Systems(CONUS/Western Hem)													
Information Systems (EUCOM)													
Information Systems (PACOM)													
Information Systems (MCA Support)													
<b>FY08 Base Appropriation Total</b>													
<b>FY08 GWOT Cost Adjustment</b>													
Information Systems (MCA Support)													
<b>FY08 GWOT Cost Adjustment</b>													
<b>Total:</b>													
								<b>1828</b>					
								<b>1925</b>					
								<b>152417</b>					
								<b>156170</b>					
								<b>9546</b>					
								<b>9546</b>					
								<b>165716</b>					

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

Date: September 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: INFORMATION SYSTEMS (MCA SUPPORT) (BB1400)

Program Elements for Code B Items: Code: Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				162.0							162.0
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				162.0							162.0
Initial Spares											
Total Proc Cost				162.0							162.0
Flyaway U/C											
Weapon System Proc U/C											

**Description:**  
 This program provides state-of-the-art major information system equipment such as integrated voice/data switches, Tier II computers (i.e., common user, multiple-purpose assets supporting Army installations and/or organizations), voice/data switch expansions, common user Local Area Network (LAN) transport equipment and basic telephone instruments. This equipment is installed in conjunction with Military Construction, Army (MCA) and Base Realignment and Closure (BRAC) projects.

**Justification:**  
 FY08 Base procures information systems for specific projects based upon mission priority, timing of construction schedules, beneficial occupancy dates (BOD) and minimum lead time required for acquisition and installation of associated information system equipment and also procures telephone switches for Forts Knox, Jackson, Carson, Aberdeen, Wainwright, Belvoir, Leonard Wood, Lee, and Vincenza Italy.

FY08 GWOT Cost Adjustment procures information systems requirements associated with approved MCA projects. Funding is applied to specific projects based upon mission priority, timing of construction schedules, beneficial occupancy dates (BOD) and minimum lead time required for acquisition and installation of associated information system equipment. FY08 GWOT Cost Adjustment will also procure new telephone switches and Local Area Network(LAN) upgrades for all Army Southwest Asia (SWA) locations requiring new systems as validated through an engineering site survey.

OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
<b>FY08 Base Appropriation</b>													
Telephone Switch							71000	9	7889				
Switch Upgrades							27000	165	164				
Telephone System							9398	180	52				
Engineering Svcs							5118						
LAN Transport System							39901						
<b>FY08 Base Appropriation Total</b>							<b>152417</b>						
<b>FY08 GWOT Cost Adjustment</b>													
Telephone Switch							3000	3	1000				
Switch Upgrades							1500	3	500				
Telephone Systems							500	25	20				
Engineering Svcs							796	1	796				
LAN Transport System							3750	25	150				
<b>FY08 GWOT Cost Adjustment Total</b>							<b>9546</b>						
<b>Total:</b>							<b>161963</b>						

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: INFORMATION SYSTEMS (MCA SUPPORT) (BB1400)								
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>FY08 Base Appropriation</b>										
<b>Telephone Switch</b>										
FY 2007	TBS	C/FP	C-E LCMC, Ft Monmouth, NJ	Jan 07	Jul 07			YES		
<b>Switch Upgrades</b>										
FY 2007	TBS	C/FP	GSA	Feb 07	May 07			YES		
<b>Telephone System</b>										
FY 2007	TBS	C/FP	GSA	Feb 07	May 07			YES		
<b>Engineering Svcs</b>										
FY 2007	TBS	C/FP	ISEC-FDED	Jul 07	Oct 07			YES		
<b>LAN Transport System</b>										
FY 2007	TBS	C/FP	GSA	Feb 07	May 07			YES		
<b>FY08 GWOT Cost Adjustment</b>										
<b>Telephone Switch</b>										
FY 2008	TBS	C/FP	C-E LCMC, Ft. Monmouth, NJ	TBD	TBD	3	1000	YES		
<b>Switch Upgrades</b>										
FY 2008	TBS	C/FP	GSA	TBD	TBD	3	500	YES		
<b>Telephone Systems</b>										
FY 2008	TBS	C/FP	GSA	TBD	TBD	25	20	YES		
<b>Engineering Svcs</b>										
FY 2008	TBS	C/FP	ISEC-FDED	TBD	TBD	1	796	YES		
<b>LAN Transport System</b>										
FY 2008	TBS	c/FP	GSA	TBD	TBD	25	150	YES		

REMARKS: Quantity and costs rise significantly in FY08 as the next major change in technology pushes both voice and data requirements to a converged solution requiring larger equipment changeouts/upgrades and increased costs.

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

Date: September 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: ALL SOURCE ANALYSIS SYS (ASAS) (MIP) (KA4400)

Program Elements for Code B Items: Code: Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				139.6							139.6
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				139.6							139.6
Initial Spares											
Total Proc Cost				139.6							139.6
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The All Source Analysis System (ASAS) provides US Army commanders at all echelons from battalion to Army Service Component Command with automated support to the management and planning, processing and analysis, and dissemination of intelligence, counterintelligence, and electronic warfare. ASAS provides the means to enhance the commander's timely and comprehensive understanding of enemy deployments, capabilities, and potential courses of action. The system uses standard joint and Army protocols and message formats to interface with selected National, joint, theater, and tactical intelligence, surveillance, and reconnaissance systems and preprocessors and Army, joint, and coalition battle command systems. The ASAS product set currently includes: ASAS-Light (L) laptops, ASAS-L Intelligence Fusion Station desktop computers, the shelterized, High Mobility Multipurpose Wheeled Vehicle (HMMWV)-mounted Analysis and Control Team-Enclave (ACT-E), and various Analysis and Control Element (ACE) configurations at Special Forces Group, Armored Cavalry Regiment, Division, Corps, and Military Intelligence Brigade. These ASAS systems will be configured to operate as integral components of the Army's initial Distributed Common Ground System-Army (DCGS-A) capability.

The Handheld Interagency Identity Detection Equipment (HIIDE) device is used to collect, store, retrieve, and forward the three major biometric modalities, such as, iris, fingerprint, and facial picture. The lightweight, handheld, easy to use HIIDE device provides the Soldier with a new capability of identifying persons-of-interest at the point of interception from the internal programmable list of ten thousand biometric signatures and greatly expands biometric collection capabilities.

**Justification:**

FY08 Global War On Terrorism (GWOT)procures, fields, and trains hardware and software for ten (10) ASAS Block II ACES; ten (10) ASAS ACT-Es; and two hundred (200) ASAS Lights in support of OEF/OIF. The FY08 GWOT also procures and fields four thousand fifty-one (4051) Handheld Interagency Identity Detection Equipment (HIIDE) devices in support of OEF/OIF.

FY08 Base: \$ 36,132 Million Qty (58)  
 FY08 GWOT: \$103,500 Million Qty (4,271)  
 FY08 Total: \$139,632 Million Qty (4,329)

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
ASAS - MODULES (MIP) (K28801)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				139.6							139.6
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				139.6							139.6
Initial Spares											
Total Proc Cost				139.6							139.6
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The All Source Analysis System (ASAS) provides US Army commanders at all echelons from battalion to Army Service Component Command with automated support to the management and planning, processing and analysis, and dissemination of intelligence, counterintelligence, and electronic warfare. ASAS provides the means to enhance the commander's timely and comprehensive understanding of enemy deployments, capabilities, and potential courses of action. The system uses standard joint and Army protocols and message formats to interface with selected National, joint, theater, and tactical intelligence, surveillance, and reconnaissance systems and preprocessors and Army, joint, and coalition battle command systems. The ASAS product set currently includes: ASAS-Light (L) laptops, ASAS-L Intelligence Fusion Station desktop computers, the shelterized, High Mobility Multipurpose Wheeled Vehicle (HMMWV)-mounted Analysis and Control Team-Enclave (ACT-E), and various Analysis and Control Element (ACE) configurations at Special Forces Group, Armored Cavalry Regiment, Division, Corps, and Military Intelligence Brigade. These ASAS systems will be configured to operate as integral components of the Army's initial Distributed Common Ground System-Army (DCGS-A) capability.

The Handheld Interagency Identity Detection Equipment (HIIDE) device is used to collect, store, retrieve, and forward the three major biometric modalities, such as, iris, fingerprint, and facial picture. The lightweight, handheld, easy to use HIIDE device provides the Soldier with a new capability of identifying persons-of-interest at the point of interception from the internal programmable list of ten thousand biometric signatures and greatly expands biometric collection capabilities.

**Justification:**

FY08 GWOT procures, fields, and trains hardware and software for ten (10) ASAS Block II ACEs; ten (10) ASAS ACT-Es; and two-hundred (200) ASAS Lights in support of OEF/OIF. In addition, FY08 GWOT procures and fields four thousand fifty-one (4051) Handheld Interagency Identity Detection Equipment (HIIDE) devices in support of OEF/OIF.

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: ASAS - MODULES (MIP) (K28801)			Weapon System Type:		Date: September 2007			
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 06</b>			<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
		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
<b>FY 2008 Base</b>													
ASAS Light Hardware								960	48	20			
ACT-E Hardware								2800	2	1400			
ACE Modules								24000	8	3000			
<b>H/W Base Subtotal</b>								<b>27760</b>					
Project Management Administration								1800					
Fielding and Training								2739					
Depot Hardware Support								200					
Training of ACE								3633					
<b>Production Support Base Subtotal</b>								<b>8372</b>					
<b>FY08 Base Total</b>								<b>36132</b>					
<b>FY08 GWOT</b>													
ASAS Light Hardware								4000	200	20			
ACT-E Hardware								14000	10	1400			
ACE Modules								30000	10	3000			
HIIDE Hardware								35400	4051	9			
<b>H/W GWOT Subtotal</b>								<b>83400</b>					
Fielding and Training								11650					
Training of ACE								8450					
<b>Production Support GWOT Subtotal</b>								<b>20100</b>					
<b>FY08 GWOT Total</b>								<b>103500</b>					
<b>Total:</b>								<b>139632</b>					

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: ASAS - MODULES (MIP) (K28801)								
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>FY 2008 Base</b>										
<b>ASAS Light Hardware</b>										
FY 2008	GTE Taunton,MA	C/Option	Taunton, MA	Nov 07	Feb 08	48	20			
<b>ACT-E Hardware</b>										
FY 2008	GTE Taunton,MA	C/Option	Taunton, MA	Nov 07	Nov 08	2	1400			
<b>ACE Modules</b>										
FY 2008	GTE Taunton,MA	C/Option	Taunton, MA	Nov 07	Nov 08	8	3000			
<b>FY08 GWOT</b>										
<b>ASAS Light Hardware</b>										
FY 2008	GTE Taunton,MA	C/Option	Taunton, MA	Jun 08	Sep 08	200	20			
<b>ACT-E Hardware</b>										
FY 2008	GTE Taunton,MA	C/Option	Taunton, MA	Jun 08	Jun 09	10	1400			
<b>ACE Modules</b>										
FY 2008	GTE Taunton,MA	C/Option	Taunton, MA	Jun 08	Jun 09	10	3000			
<b>HIIDE Hardware</b>										
FY 2008	TBD TBD	TBD	TBD			4051	9			

REMARKS: All equipment is NDI/COTS purchased through PM CHS or other Army activities. Cost and composition of ASAS unit sets vary because of unit mission, echelon assigned and the configuration of the hardware module procured.

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

Date: September 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: PROPHET GROUND (MIP) (BZ7326)

Program Elements for Code B Items: Code: Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty				86							86
Gross Cost				142.5							142.5
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				142.5							142.5
Initial Spares											
Total Proc Cost				142.5							142.5
Flyaway U/C											
Weapon System Proc U/C											

**Description:**  
 Prophet's primary mission is providing 24-hour Situation Development and Information Superiority to the supported maneuver brigade to enable the most effective engagement of enemy forces. Prophet is an integral part of the Army Transformation, providing near real time (NRT) information to the Brigade Commander within his combat decision cycle. It is the tactical commander's sole organic ground-based Signals Intelligence/Electronic Warfare (SIGINT/EW) system for the Division, Brigade Combat Team (BCT), Stryker Brigade Combat Team (SBCT) and Armored Cavalry Regiments (ACR). Prophet provides the tactical commander with the next generation SIGINT/EW - radio detection/direction finding and electronic attack capabilities. Prophet stationary and on-the-move direction finding information develops battlespace visualization, intelligence preparation of the battlefield (IPB) and target development for enemy and gray emitters within radio line-of-sight across the brigade area of responsibility. This NRT information, when processed, provides a key component of the fused intelligence common operating picture (COP). Prophet interfaces with the maneuver brigade Analysis and Control Team's (ACT) All Source Analysis System (ASAS)-Remote Work Stations (ASAS-RWS) via Prophet Control. Prophet Control is a surrogate for the Distributed Common Ground System-Army (DCGS-A). The ACT forwards the gathered information to the division and armored cavalry Analysis Control Element's (ACE) ASAS. Prophet, via Prophet Control (Non-Line of Sight (NLOS)) also interfaces directly with the National SIGINT Enterprise. Prophet enables the Brigade Commander to detect signals while the vehicle is moving, a first for a Tactical SIGINT system. Prophet functionality will be resident within the Future Combat System (FCS) and Prophet developed technology as well as Tactics, Techniques and Procedures (TTPs) will be leveraged for the FCS program. Prophet is being developed in a user prioritized block approach: Block I - Electronic Support (ES) (SIGINT), Block II - Electronic Attack (EA), and Block III - Modern Signals. Block III adds the ability to address modern signals.

**Justification:**  
 FY2008 Global War On Terrorism (GWOT) procures 18 Interim Block III systems to maneuver brigades operating in combat theaters in support of GWOT operations. Also, 9 Prophet Control systems will be procured mounted on HMMWVs (M1165-A1 with B3 armor kits). Specifically, this GWOT funding will support fielding sensor sets (Interim Block IIIs with Prophet Control) to 1 BCT, 2 SBCT and 1 ACR.

FY 2008 Base: \$119,482 Million QTY (59)  
 FY 2008 GWOT: \$ 23,000 Million QTY (27)  
 FY 2008 Total \$142,482 Million QTY (86)

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: PROPHET GROUND (MIP) (BZ7326)			Weapon System Type:		Date: September 2007				
OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
<b>FY 2008 Base:</b>													
Prophet Block II System H/W								21677	21	1032			
Prophet Interim Block III H/W								18612	26	716			
Prophet Control								10823	12	902			
NRE								10000					
ECP								1227					
Testing								2000					
Training / Fielding								7992					
Initial Spares								7667					
Project Management Cost													
Army NG Associated Items of Equip								24089					
Procure Objective Armor Platform								15395	24	641			
<b>FY08 Base Total</b>								<b>119482</b>					
<b>FY 2008 GWOT:</b>													
Prophet Interim Block III H/W (GWOT)								13138	18	730			
Prophet Control (GWOT)								9039	9	1004			
Training / Fielding								300					
Initial Spares								523					
<b>FY08 GWOT Total</b>								<b>23000</b>					
<b>Total:</b>								<b>142482</b>					

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

Date:  
September 2007

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>Prophet Block II System H/W</b> FY 2008	TBD TBD	FPI	Ft. Monmouth, NJ	Apr 08	Apr 09	21	1032			
<b>Prophet Interim Block III H/W</b> FY 2008	L3 Linkabit San Diego, CA	FPI	Ft. Monmouth, NJ	Apr 08	Apr 09	26	716			
<b>Prophet Control</b> FY 2008	L3 Linkabit San Diego, CA	FPI	Ft. Monmouth, NJ	Apr 08	Apr 09	12	902			
<b>Prophet Interim Block III H/W (GWOT)</b> FY 2008	L3 Linkabit San Diego, CA	FPI	Ft. Monmouth, NJ	May 08	May 09	18	730			
<b>Prophet Control (GWOT)</b> FY 2008	L3 Linkabit San Diego, CA	FPI	FT. Monmouth, NJ	May 08	May 09	9	1004			

REMARKS:



<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>															P-1 ITEM NOMENCLATURE PROPHET GROUND (MIP) (BZ7326)										Date: September 2007				
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-------------------------	--	--	--	--

COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												Later
MFR	FY	S E R V	PROC QTY Units	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	
Prophet Block II System H/W																														
1	FY 08	A	21	9	12	2	2	2	2	2	2																			0
Prophet Interim Block III H/W																														
2	FY 08	A	26	12	14	2	2	2	2	3	3																			0
Prophet Control																														
3	FY 08	A	12	6	6	1	1	1	1	1	1																			0
Prophet Interim Block III H/W (GWOT)																														
2	FY 09	A	18	15	3	3																								0
Prophet Control (GWOT)																														
3	FY 08	A	9	5	4	1	1	1	1																					0
Total																														
						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	Initial	7			7	10	17			
1	TBD, TBD	1	2	4		1	Initial	7	7	10	17	
							Reorder	7	7	10	17	
2	L3 Linkabit, San Diego, CA	1	4	8		2	Initial	6	6	12	18	
							Reorder	6	6	18	24	
3	L3 Linkabit, San Diego, CA	1	2	4		3	Initial	6	6	12	18	
							Reorder	6	6	17	23	
							Initial					
							Reorder					
							Initial					
							Reorder					

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

Date: September 2007

Appropriation / Budget Activity / Serial No: P-1 Item Nomenclature  
 Other Procurement, Army / 2 / Communications and Electronics Equipment Tactical Unmanned Aerial Sys (TUAS)MIP (B00301)

Program Elements for Code B Items: Code: Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty				14							14
Gross Cost				429.7							429.7
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				429.7							429.7
Initial Spares											
Total Proc Cost				429.7							429.7
Flyaway U/C											
Weapon System Proc U/C											

**Description:**  
 The Tactical Unmanned Aircraft Systems (TUAS) program includes the Shadow 200 System, Extended Range/Multipurpose ER/MP System and Advance TUAV Payload Joint Military Intelligence Programs (JMIP).

The Tactical Unmanned Aircraft Systems (TUAS) Shadow 200 provides the Army Brigade Commander with dedicated Reconnaissance, Surveillance and Target Acquisition (RSTA), Intelligence, Battle Damage Assessment (BDA) and Force Protection. The Shadow provides the Brigade Commander with critical battlefield intelligence and targeting information in the rapid cycle time required for success at the tactical level. The TUAS Shadow system air vehicle meets the required range of 50 kilometers and remains on station for up to five hours. The baseline fielded payload is electro-optic infrared (EO/IR). Procurement of attrition air vehicles originated in FY 2001 and was re-established in FY 2006. The TUAS Shadow system consists of four air vehicles, (each configured with an EO/IR sensor payload), launcher and ground control and support equipment including: power generation, communications equipment, automated recovery equipment, remote video terminals, vehicle mounted shelters, and High Mobility Multipurpose Wheeled Vehicles with trailer(s). Each system is equipped with one Maintenance Section Multifunctional Vehicle and is supported at the division level by a Mobile Maintenance Facility (MMF). The TUAS Shadow has logged over 124,000 flight hours since June 2001.

The Extended Range Multi-Purpose (ERMP) Unmanned Aircraft System (UAS) will provide combatant commanders a much improved real-time responsive capability to conduct long-dwell, wide area reconnaissance, surveillance, target acquisition, communications relay, and attack missions (4 Hellfire). As a follow-on to the aging Hunter system, ERMP addresses an ever-increasing demand for greater range, altitude, endurance and payload flexibility with mission change in flight. Each 12 aircraft system, with Electro-Optical/Infrared, Synthetic Aperture Radar, and communications relay packages, will support 10 key Army Divisions and be responsive to the lowest level of command for dynamic re-tasking. Ground equipment includes 5 Ground Control Stations, 5 Ground Data Terminals, 2 Portable Ground Control Stations, 2 Portable Ground Data Terminals, and other associated ground support equipment. The acquisition strategy has capitalized upon competitive forces, bringing cutting-edge improvements at the best cost and value that support the major thrusts of the DoD UAS Roadmap, a host of other studies, and the imperatives of Army modernization and Army Aviation Transformation. This includes backward compatibility with existing Army UAS systems, heavy fuel engine, 40 hours of endurance, Tactical Common Data Link technology, network connectivity that reduces information cycle time and enhances overall battlespace awareness through liberal dissemination, teaming with manned platforms, and steps toward integration of UAS into national and international airspace. The ability to operate multiple ERMP aircraft simultaneously from the One System Ground Control Station (OSGCS), interoperability with the Shadow UAS, a 3,000 pound gross take off weight (with growth to 3,600 pounds), Fowler flaps which improves take-off and landing performance, Automatic Take-off and Landing and the flexibility to operate with or without SATCOM data links are more of the characteristics that make this system a combat multiplier. With more weapons, payloads, and endurance than any other current system in its class,

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

Date:

September 2007

Appropriation / Budget Activity / Serial No:

Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature

Tactical Unmanned Aerial Sys (TUAS)MIP (B00301)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

ERMP gives the Army the required capability defined by years of wartime experience and codified by the JROC.

Advanced TUAV Payloads (B00302) budget line supports the procurement of the following payload systems: (1) The Synthetic Aperture Radar/ Ground Target Moving Indicator (SAR/GMTI) and (2) Extended Range Multi-Purpose (ER/MP) Electro Optical Infrared with Laser Designator (EO/IR/LD). The SAR/GMTI is a multi-mode radar that provides an all-weather, wide area search capability with a built-in imaging mode for increased situational awareness. The SAR/GMTI payload is a complementary system of the Army's Future Combat System (FCS) and is a principal payload for the ER/MP UAV. The ER/MP EO/IR/LD provides a day/night capability to collect and display continuous imagery with the ability to designate targets of interest for attack by laser guided precision weapons.

**Justification:**

FY 2008 Base funds will procure modifications and retrofits such as Laser Designator and reliability upgrades for the engines and fuel systems.

FY 2008 Global War On Terrorism (GWOT) funds will procure twelve (12) Shadow Systems and required government furnished equipment (GFE). Supplemental funding will facilitate replacement of obsolete LRIP I Ground Control Systems (GCS) with an interoperable One System Ground Control Stations (OSGCS) and rebaseline LRIP II GCS's to the OSGCS baseline. This supplemental funding will be used to improve the operational capabilities of the Shadow system, with such efforts as communications relay, inclement weather capability and engine noise mitigation efforts. It also supports ER/MP by procuring follow-on TF ODIN Warrior Alpha training assets to support the operational wartime needs.

FY 2008 GWOT Cost Adjustment funds will procure one (1) Shadow Systems.

FY08 Base Appropriation: \$196.419 million  
 FY08 GWOT Request: \$213.485 million  
 FY08 GWOT Cost Adjustment: \$19.760 million  
 FY08 TOTAL: \$429.664 million

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
Extended Range/Multi-Purpose (ER/MP) UAS (MIP) (B00305)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty				1							1
Gross Cost				127.8							127.8
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				127.8							127.8
Initial Spares											
Total Proc Cost				127.8							127.8
Flyaway U/C											
Weapon System Proc U/C				127.8							127.8

**Description:**

The Extended Range Multi-Purpose (ERMP) Unmanned Aircraft System (UAS) will provide combatant commanders a much improved real-time responsive capability to conduct long-dwell, wide area reconnaissance, surveillance, target acquisition, communications relay, and attack missions (4 Hellfire). As a follow-on to the aging Hunter system, ERMP addresses an ever-increasing demand for greater range, altitude, endurance and payload flexibility with mission change in flight. Each 12 aircraft system, with Electro-Optical/Infrared, Synthetic Aperture Radar, and communications relay packages, will support 10 key Army Divisions and be responsive to the lowest level of command for dynamic re-tasking. Ground equipment includes 5 Ground Control Stations, 5 Ground Data Terminals, 2 Portable Ground Control Stations, 2 Portable Ground Data Terminals, and other associated ground support equipment. The acquisition strategy has capitalized upon competitive forces, bringing cutting-edge improvements at the best cost and value that support the major thrusts of the DoD UAS Roadmap, a host of other studies, and the imperatives of Army modernization and Army Aviation Transformation. This includes backward compatibility with existing Army UAS systems, heavy fuel engine, 40 hours of endurance, Tactical Common Data Link technology, network connectivity that reduces information cycle time and enhances overall battlespace awareness through liberal dissemination, teaming with manned platforms, and steps toward integration of UAS into national and international airspace. The ability to operate multiple ERMP aircraft simultaneously from the One System Ground Control Station (OSGCS), interoperability with the Shadow UAS, a 3,000 pound gross take off weight (with growth to 3,600 pounds), Fowler flaps which improves take-off and landing performance, Automatic Take-off and Landing and the flexibility to operate with or without SATCOM data links are more of the characteristics that make this system a combat multiplier. With more weapons, payloads, and endurance than any other current system in its class, ERMP gives the Army the required capability defined by years of wartime experience and codified by the JROC.

**Justification:**

FY 2008 GWOT: ER/MP funds are required to procure follow-on TF ODIN Warrior Alpha training assets to support the operational wartime needs.

OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
EXTENDED RANGE MULTI-PURPOSE													
<b>FY 2008 BASE</b>													
System Production								76386	1	76386			
Long Lead Items								5500					
Contractor Program Management													
Support Equipment								1511					
Program Management								2819					
Test & Evaluation								1293					
Fielding & Spares								6633					
Training Set													
System Test & Evaluation													
<b>Total Prime Contractor Cost</b>								<b>94142</b>					
<b>GOVERNMENT</b>													
Government Furnished Equipment								4079					
Program Management								3675					
Other Government Agencies								7223					
Common Systems Integration								9358					
<b>Total Government Cost</b>								<b>24335</b>					
<b>Total ER/MP Base</b>								<b>118477</b>					
<b>FY 2008 GWOT</b>													
<b>PRIME CONTRACTOR</b>													
Long Lead Items													
Test & Evaluation													
Training Set								9300					
Spares													
Other Hardware / Support													
<b>FY 2008 GWOT</b>								<b>9300</b>					
<b>ER/M Total</b>								<b>127777</b>					
<b>Total:</b>								<b>127777</b>					

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: Extended Range/Multi-Purpose (ER/MP) UAS (MIP) (B00305)							
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>EXTENDED RANGE MULTI-PURPOSE</b> FY 2008	GENERAL ATOMICS/ASI SAN DIEGO, CA	CPIF/AF	AMCOM	N/A	N/A	1	76386	YES	N/A	N/A

REMARKS:



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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
SHADOW RQ-7A/B (TUAS) (MIP) (BA0330)

Program Elements for Code B Items:

Code:

Other Related Program Elements:  
0305204A - RDT&E

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty				13							13
Gross Cost				263.5							263.5
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				263.5							263.5
Initial Spares											
Total Proc Cost				263.5							263.5
Flyaway U/C				15.1							15.1
Weapon System Proc U/C				15.1							15.1

**Description:**

The Tactical Unmanned Aerial Vehicle (TUAV) Shadow 200 provides the Army Brigade Commander with dedicated Reconnaissance, Surveillance and Target Acquisition (RSTA), Intelligence, Battle Damage Assessment (BDA) and Force Protection. The Shadow provides the Brigade Commander with critical battlefield intelligence and targeting information in the rapid cycle time required for success at the tactical level. The TUAV Shadow system air vehicle meets the required range of 50 kilometers and remains on station for up to five hours. The baseline fielded payload is electro-optic infrared (EO/IR). Procurement of attrition air vehicles originated in FY 2001 and was re-established in FY 2006. The TUAV Shadow system consists of four air vehicles, (each configured with an EO/IR sensor payload), launcher and ground control and support equipment including: power generation, communications equipment, automated recovery equipment, remote video terminals, vehicle mounted shelters, and High Mobility Multipurpose Wheeled Vehicles with trailer(s). Each system is equipped with one Maintenance Section Multifunctional Vehicle and is supported at the division level by a Mobile Maintenance Facility (MMF). The TUAV Shadow has logged over 124,000 flight hours since June 2001.

**Justification:**

FY 2008 Base funds will procure modifications and retrofits such as Laser Designator and reliability upgrades for the engines and fuel systems.

FY 2008 Global War On Terrorism (GWOT) funds will procure twelve (12) Shadow Systems and required government furnished equipment (GFE). Supplemental funding will facilitate replacement of obsolete LRIP I Ground Control Systems (GCS) with an interoperable One System Ground Control Stations (OSGCS) and rebaseline LRIP II GCS's to the OSGCS baseline. This supplemental funding will be used to improve the operational capabilities of the Shadow system, with such efforts as communications relay, inclement weather capability and engine noise mitigation efforts.

FY 2008 GWOT Cost Adjustment funds will procure one (1) Shadow System.

FY08 Base: \$39.527 Million  
 FY08 GWOT: \$204.185 Million  
 FY08 GWOT Cost Adjustment \$19.760 Million  
 FY08 Total: \$263.472 Million

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: SHADOW RQ-7A/B (TUAS) (MIP) (BA0330)			Weapon System Type:		Date: September 2007				
OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
TACTICAL UNMANNED AERIAL VEHICLE													
BASE													
PRIME CONTRACTOR													
Shadow Systems Hardware Cost													
Maintenance Section Multi-Functional													
Attrition Air Vehicles													
Program Management													
Technical Manuals													
Test Support													
Engineering Support													
Mods / Retrofit (ECP/Incorp)													
Fielding (BIT Team)													
<b>Total Prime Contractor Cost</b>													
<b>19564</b>													
GOVERNMENT													
Government Furnished Equipment													
Program Management (Government)													
Engineering													
Logistics													
Other Government Agencies Support													
<b>Total Government Cost</b>													
<b>19963</b>													
<b>FY 2008 Base Total</b>													
<b>39527</b>													
GWOT													
PRIME CONTRACTOR													
Shadow Systems Hardware Cost													
MSM													
Attrition Air Vehicles													
Program Management													
Technical Manuals													
Test Support													
Engineering Support													
Engineering Changes													

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: SHADOW RQ-7A/B (TUAS) (MIP) (BA0330)			Weapon System Type:		Date: September 2007				
OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
Mod / Retrofit (ECP / Incorporate)								12184					
Increment Weather													
OSRVT													
P3I (Preplanned Product Improvement)													
Engineering Service - PBL								15000					
Rovers								5700					
<b>Total Prime Contractor Cost</b>								<b>182158</b>					
<b>GOVERNMENT</b>													
Government Furnished Equipment								19564					
Common Systems Integration								2463					
<b>Total Government Cost</b>								<b>22027</b>					
<b>Total GWOT</b>								<b>204185</b>					
GWOT Cost Adjustment													
Shadow Systems Hardware Cost								12302	1	12302			
Program Management								382					
Technical Manuals								36					
Test Support								699					
Engineering Support								689					
<b>Total Prime Contractor Cost</b>								<b>14108</b>					
Government Furnished Equipment								1667					
Program Management								1573					
Engineering								832					
Logistics								1580					
<b>Total Government Cost</b>								<b>5652</b>					
<b>Total GWOT Cost Adjustment</b>								<b>19760</b>					
<b>Total:</b>								<b>263472</b>					

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment			Weapon System Type:		P-1 Line Item Nomenclature: SHADOW RQ-7A/B (TUAS) (MIP) (BA0330)					
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>GWOT</b> FY 2008	AAI Hunt Valley, MD	SS/FPIF	AMCOM	Jun 08	Jun 09	12	8888	Y	N/A	N/A
<b>GWOT Cost Adjustment</b> FY 2008	AAI Hunt Valley, MD	SS/FPIF	AMCOM	Jun 08	Jun 09	1	12302	Y	N/A	N/A

REMARKS:





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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
SMALL UNMANNED AERIAL SYSTEM (SUAS) (B00303)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty				259							259
Gross Cost				44.9							44.9
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				44.9							44.9
Initial Spares											
Total Proc Cost				44.9							44.9
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The Small Unmanned Aircraft System (SUAS) program provides the ground maneuver battalions and below with unprecedented situational awareness and enhanced force protection. SUAS is a man portable unmanned aircraft system capable of handling a wide variety of Intelligence, Surveillance & Reconnaissance (ISR) tasks at Battalion and below. The SUAS aircraft has a wingspan of 4.5 feet and weighs 4.2 pounds. It is hand-launched, and provides aerial observation, day or night, at line-of-sight ranges up to 10 kilometers. The aircraft has an endurance rate of 90 minutes and can deliver color or infrared imagery in real time to the ground control and remote viewing stations.

**Justification:**

FY 2008 Baseline: Procures one hundred (100) Small Unmanned Aircraft Systems, New Equipment Training and Program Management Support.

FY 2008 GWOT Request: Procures sixty-three (63) Small Unmanned Aircraft Systems, Fielding, Data and Government Furnished Equipment.

FY 2008 GWOT Cost Adjustment: Procures ninety-six (96) Small Unmanned Aircraft Systems, New Equipment Training and Program Management Support.

FY08 Baseline: \$20.682 million  
 FY08 GWOT Request: \$10.400 million  
 FY08 GWOT Cost Adjustment: \$13.774 million  
 FY08 Total - \$44.856 million

OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
<b>BASE</b>													
<b>CONTRACTOR</b>													
Small Systems Hardware								14773	100	148			
Program Management								500					
System Test & Evaluation								55					
Fielding								429					
Spares													
Data								27					
Logistics Support													
ECP / Mods								651					
<b>Total Contractor Support</b>								<b>16435</b>					
<b>GOVERNMENT</b>													
Government Furnished Equipment								636					
Program Management								1033					
Engineering								712					
Logistics								770					
Other Government Agencies								475					
Operations								475					
Fielding								146					
<b>Total Government Support</b>								<b>4247</b>					
<b>Total Base Request</b>								<b>20682</b>					
<b>GWOT</b>													
<b>CONTRACTOR</b>													
Small Systems Hardware Cost								9324	63	148			
Fielding								473					
Spares								104					
<b>Total Contractor Cost</b>								<b>9901</b>					
<b>GOVERNMENT</b>													
Government Furnished Equipment								447					
Fielding								52					
<b>Total Government Cost</b>								<b>499</b>					

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: SMALL UNMANNED AERIAL SYSTEM (SUAS) (B00303)			Weapon System Type:			Date: September 2007			
OPA2 Cost Elements	ID	FY 06			FY 07			FY 08			FY 09		
	CD	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
<b>Total GWOT</b>								<b>10400</b>					
<b>GWOT Cost Adjustment</b>													
<b>CONTRACTOR</b>													
Small Systems Hardware Cost								11897	96	124			
Program Management								222					
System Test & Evaluation								24					
Fielding								190					
Spares													
Data								51					
Logistics Support													
ECP / Mods								270					
<b>Total Contractor Support</b>								<b>12654</b>					
<b>GOVERNMENT</b>													
Government Furnished Equipment								597					
Program Management								458					
Fielding								65					
<b>Total Government Cost</b>								<b>1120</b>					
<b>GWOT Cost Adjustment</b>								<b>13774</b>					
<b>Total:</b>								<b>44856</b>					

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

Date:  
September 2007

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
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment										
		Weapon System Type:	P-1 Line Item Nomenclature: SMALL UNMANNED AERIAL SYSTEM (SUAS) (B00303)							
<b>BASE</b> FY 2008	AERO VIRONMENT SIMI VALLEY, CA	FFP/CPFF	AMCOM	Oct 07	Jan 08	100	148	Y	N/A	N/A
<b>GWOT</b> FY 2008	AERO VIRONMENT SIMI VALLEY, CA	FFP/CPFF	AMCOM	Jun 08	Sep 08	63	148	Y	N/A	N/A
<b>GWOT Cost Adjustment</b> FY 2008	AERO VIRONMENT SIMI VALLEY, CA	FFP/CPFF	AMCOM	Jun 08	Sep 08	96	124	Y	N/A	N/A

REMARKS: SUAS is Commercial Off the Shelf (COTS) procurement and do not have production schedule.

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

Date: September 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: DIGITAL TOPOGRAPHIC SPT SYS (DTSS) (MIP) (KA2550)

Program Elements for Code B Items: Code: Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				51.6							51.6
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				51.6							51.6
Initial Spares											
Total Proc Cost				51.6							51.6
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The Digital Topographic Support System (DTSS) provides digital terrain analysis and map updates to commanders and weapons platforms in support of mission planning. This mission planning incorporates imagery exploitation, Cover and Concealment, other Intelligence Preparation Battlespace (IPB), rehearsal with 3D fly through simulations and execution of Common Operating Picture, and route planning. The DTSS automates terrain analysis and visualization, data base development, updates, management, dissemination, and graphics reproduction. The Combat Terrain Information Systems (CTIS) Modernization Plan emphasizes the development of a combined, integrated, tactically deployable, fully autonomous terrain analysis and graphics reproduction capability. CTIS consists of the Digital Topographic Support System-Light (DTSS-L)(HMMWV), DTSS-Deployable (DTSS-D), DTSS-Base (DTSS-B) and the High Volume Map Production (HVMP) equipment. The DTSS-L is a highly mobile sheltered system which is capable of supporting a full range of military operations, as well as peacetime stability and support operations. The DTSS-D provides a Commercial Off the Shelf (COTS) configuration in transit cases that is capable of operating all of the terrain analysis software. The DTSS-D consists of transportable workstations and peripherals that can be set up to augment the tactical configurations. The DTSS-D does not include tactically deployable shelters and vehicles or tactical communications. The DTSS-B was procured in response to an initiative to develop the capability to generate terrain information over sparsely mapped areas to support contingency, mission rehearsal and training operations. The DTSS-B is designed to augment National Geospatial-Intelligence Agency (NGA) capabilities at the Echelons above Corps (EAC) level by providing quick response data generation, special purpose mapping, and terrain analysis. The DTSS-B includes a component that is capable of handling National Technical Means (NTM) information in a secure environment. The HVMP provides a tactical capability to rapidly reproduce large volumes of digital topographic materiel. HVMP is capable of reproducing information from a variety of digital and hardcopy sources via direct digital interfaces. Additionally, an institutional training classroom environment for all DTSS configurations has been delivered to the National Geospatial-Intelligence School (NGS)(formerly the Defense Mapping School). NGS provides critical MOS specific training on the operation of CTIS developed systems. CTIS systems operate within the Battle Command System architecture and are deployed from Brigade through EAC, Stryker Brigades and Special Forces Groups.

**Justification:**

FY2008 Baseline procures 43 new and Technology Refresh DTSS-Ls and one DTSS-Base.  
 FY2008 Global War on Terrorism (GWOT) procures 16 DTSS-Ls.  
 FY2008 Global War on Terroism Cost Adjustment procures 7 DTSS-Ls.

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

Date:

September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics EquipmentP-1 Item Nomenclature  
DIGITAL TOPOGRAPHIC SPT SYS (DTSS) (MIP) (KA2550)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

FY08 Base Appropriation     \$34.604 Million  
FY08 GWOT Request: \$12.000 Million  
FY08 GWOT Cost Adjustment:     \$ 5.000 Million  
FY08 Total:                     \$51.604 Million

OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
<b>Base</b>													
DTSS-Deployable	A												
DTSS-Light	A						25499	43	593				
DTSS-Base	A						1200	1	1200				
HVMP													
<b>Hardware Total</b>							<b>26699</b>						
<b>Engineering Support</b>													
Design Engineering							1520						
Misc Out-of-House Engineering							1345						
<b>Engineering Support Total</b>							<b>2865</b>						
<b>Fielding</b>													
Total Package Fielding							800						
New Equipment Training							1000						
First Destination Transportation							410						
<b>Fielding Total</b>							<b>2210</b>						
Project Management and Administration							2530						
Interim Contractor Support							300						
<b>Base Total</b>							<b>34604</b>						
<b>FY08 GWOT</b>													
DTSS-Light							12000	16	750				
<b>FY08 GWOT Cost Adjustment</b>													
DTSS-Light							5000	7	714				
<b>Total:</b>							<b>51604</b>						

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: DIGITAL TOPOGRAPHIC SPT SYS (DTSS) (MIP) (KA2550)								
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>Base</b>										
<b>DTSS-Light</b>										
FY 2008	Sechan Electronics Lititz, PA	C/FP	USA Topo Eng Center	Feb 08	Sep 08	43	593	No		
<b>DTSS-Base</b>										
FY 2008	Northrup Grumman, Inc. Chantilly, VA	C/FP	USA Topo Eng Center	Feb 08	Aug 08	1	1200	No		
<b>FY08 GWOT</b>										
<b>DTSS-Light</b>										
FY 2008	Sechan Electronics Lititz, PA	C/FP	USA Topo Eng Center	Feb 08	Sep 08	16	750	No		
<b>FY08 GWOT Cost Adjustment</b>										
<b>DTSS-Light</b>										
FY 2008	Sechan Electronics Lititz, PA	C/FP	USA Topo Eng Center	Feb 08	Sep 08	7	714	No		

REMARKS:

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
TACTICAL EXPLOITATION SYSTEM (MIP) (BZ7317)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				19.5							19.5
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				19.5							19.5
Initial Spares											
Total Proc Cost				19.5							19.5
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

Tactical Exploitation system (TES) is a multi-service intelligence, surveillance and reconnaissance (ISR)-capable Family of Systems (FoS) that supports a wide range of operational scenarios and serves as the interface between national and theater sensors and in-theater tactical forces. TES receives, processes, exploits and disseminates data (i.e. IMINT, SIGINT, MASINT) in near-real-time from Direct Down Links (DDLs) and ground stations to all Corps, Divisions, and select Brigade units. A minimum of one TES Forward (Corps level) and three Division TES (DTES) deploy in support of each ARFORGEN rotation. TES upgrades will support migration to a single DCGS-A baseline; new hardware sub-systems will be reused.

**Justification:**

FY08 Global War on Terrorism (GWOT) Cost Adjustment funds the following upgrades:

Hardware (COTS/GOTS) Modernization for III Corps TES Forward and 3 DTES to replace obsolete components/subsystems that are reaching the end of their life cycle. Additional upgrades to servers, workstations, storage capacity, and multi-level security are required to address the increased volume of theater and national sensor data produced in the OIF/OEF operating environment. Effort includes NRE and integration.

- Purchase of Quad Band SATCOM terminal for III Corps to replace the TROJAN SPIRIT Lite (TS-Lite), which is no longer able to support the increased bandwidth required for the National System for Geospatial Intelligence (NSGI) Architecture.
- Common Software Build (CSB) Development (annual release) to maintain interoperability with theater sensors (i.e. U-2, Global Hawk, Warrior-A, Predator, Raptor Pod, F/A 18 and NTM) as systems are enhanced to meet evolving wartime requirements. Also integrates MASINT/AGI capabilities from new sensors and addresses security and networking mandates.
- Fielding and training for III Corps and Divisions to ensure familiarity with modified/new hardware and software

FY08 Baseline Appropriation: \$0 million  
 FY08 GWOT Request: \$0 million  
 FY08 GWOT Cost Adjustment: \$19.5 million  
 FY08 Total: \$19.5 million

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: TACTICAL EXPLOITATION SYSTEM (MIP) (BZ7317)			Weapon System Type:		Date: September 2007				
<b>OPA2 Cost Elements</b>		ID	<b>FY 06</b>			<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
<b>GWOT Cost Adjustment</b>														
Hardware (COTS/GOTS) Modernization									10000					
Quad Band SATCOM Terminal									3000					
Common Software Build Development									5000					
Fielding and Training Corps and Division									1500					
<b>Total:</b>									<b>19500</b>					

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: TACTICAL EXPLOITATION SYSTEM (MIP) (BZ7317)							
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>GWOT Cost Adjustment</b> FY 2008	Northrop Grumman Linthicum, MD	SS/CPAF	Multiple	Jun 08	Nov 08					

REMARKS:

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

Date: September 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: DCGS-A (MIP) (BZ7316)

Program Elements for Code B Items: Code: Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty				19							19
Gross Cost				177.2							177.2
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				177.2							177.2
Initial Spares											
Total Proc Cost				177.2							177.2
Flyaway U/C											
Weapon System Proc U/C											

**Description:**  
 Distributed Common Ground System - Army (DCGS-A) is the Intelligence, Surveillance and Reconnaissance (ISR) gateway to Joint, Interagency, Allied, Coalition, and National data, information, intelligence, and collaboration. It will provide access to theater and national intelligence collection, analysis, early warning and targeting capabilities in support of maneuver brigades and battalions. DCGS-A will vertically and horizontally synchronize ISR TPPU efforts; and operate in a networked environment at multiple security levels. DCGS-A emphasizes the use of reach and split based operations to improve accessibility to data and reduce the forward footprint. DCGS-A software and hardware provide a single integrated ISR ground processing system composed of joint common components that are interoperable with sensors, other information sources, all Battlefield Operating Systems (BOS), and the DoD DCGS Family of Systems. DCGS-A software and hardware is tailored by echelon and scaleable to the requirements of each mission, task, and purpose.

DCGS-A is focused on improving and accelerating the decision-action cycle and providing the means for commanders at all levels to achieve situational understanding and unified action through a common operational picture (COP) tailored to the force, mission, and situation. Combined with other battlefield functional area capabilities, this will allow Army commanders and joint warfighters to be aware of friendly forces, enemy forces, the environment, and to understand the consequences as each interact - the essence of the Army's vision and requirements for network centric warfare. A key objective of DCGS-A is to reduce forward deployed footprint, executing the preponderance of ISR processing and exploitation from Fixed Site facilities. An early DCGS-A initiative, fixed sites directly support tactical Commanders through reach and split based operations. This program procures components supporting the DCGS-A Fixed Site initiative such as the implementation of the National Geospatial-Intelligence Agency (NGA) directed future Imagery Architecture Baseline Components, DCGS Integrated Backbone (DIB) enabling real time interoperability and data sharing with other DOD and National Intelligence Communities. Additionally, hardware and software components developed and fielded under the Joint Intelligence Operational Capability-IRAQ (JIOC-I) Quick Reaction Capability Initiative will be integrated into each Fixed and higher echelon variants. An Army Capability Review in October 2005 approved the migration of JIOC-I into DCGS-A.

**Justification:**  
 FY2008 Global War On Terrorism (GWOT) procures 14 additional V4 Mobile DCGS-A systems in support of OIF/OEF Brigade Combat Teams.

FY2008 Base: \$114,842 Million (5) Qty  
 FY2008 GWOT: \$ 62,331 Million (14) Qty  
 FY2008 Total: \$177,173 Million (19) Qty

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: DCGS-A (MIP) (BZ7316)			Weapon System Type:			Date: September 2007			
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 06</b>			<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
		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
V4 Mobile Systems OIF/OEF (Base)								24772	5	4954			
V4 Mobile Systems OIF/OEF (GWOT)								62331	14	4452			
Mods/Support of Current Force Systems								22919					
Modification/Enhancements of Fixed Sites								12963					
Basic Analyst Laptop (BAL) (SW only)								6755	847	8			
Software Licenses								6050					
FIA								3094					
Fielding								16382					
Training								17760					
CI&I Ops for DCGS-A Modulatory								4147	75	55			
<b>Total:</b>								<b>177173</b>					

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

Date:  
September 2007

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>V4 Mobile Systems OIF/OEF (Base)</b> FY 2008	Northrop Grumman Linthicam, MD	CPAF	Ft. Belvoir	Feb 08	Jul 08	5	4954			
<b>V4 Mobile Systems OIF/OEF (GWOT)</b> FY 2008	Northrop Grumman Linthicam, MD	SS/FFP	Ft. Belvoir	Mar 08	Sep 08	14	4438			
<b>Basic Analyst Laptop (BAL) (SW only)</b> FY 2008	General Dynamics Taunton, MA	FFP	Ft. Monmouth	Feb 08	May 08	847	8			
<b>CI&amp;I Ops for DCGS-A Modulatiry</b> FY 2008	TAMSCO Eatontown, NJ	C/FFP	Ft. Monmouth	Mar 08	May 08	75	55			

REMARKS: Contract award date contingent on receipt of Supplemental funding.



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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
CI HUMINT INFO MANAGEMENT SYSTEM (CHIMS) (MIP) (BK5275)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				27.5							27.5
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				27.5							27.5
Initial Spares											
Total Proc Cost				27.5							27.5
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The Counterintelligence/Human Intelligence (CI/HUMINT) Management System (CHIMS) is the Army's premier tactical CI/HUMINT system. It provides automation support for Army tactical CI/HUMINT information collection, investigation, interrogation, operations, document exploitation, language translation, biometrics, force protection and intelligence analysis. The CHIMS automation architecture extends from the individual Tactical HUMINT Team soldier or CI agent to the Corps and Division Analysis and Control Element (ACE). At the tactical team level, CI/HUMINT teams require two types of automation support. The AN/PYQ-3 CI/HUMINT Automated Tool Set (CHATS) provides a Team Leader device that interfaces with the All Source Analysis System (ASAS) Light, CI&I OPS workstation and individual CI/HUMINT agents/collectors device. The AN/PYQ-8 Individual Tactical Reporting Tool (ITRT) provides a hand held automated collection and processing device for individual agent operations.

**Justification:**

FY 2008 Global War On Terrorism (GWOT) procures 22 CHATS and 20 ITRTs for CI/HUMINT teams in support GWOT unit rotations.

FY 2008 Base: \$26.310 Million  
 FY 2008 GWOT: \$ 1.200 Million  
 FY 2008 Total: \$27.510 Million

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: CI HUMINT INFO MANAGEMENT SYSTEM (CHIMS) (MIP) (BK5275)			Weapon System Type:			Date: September 2007			
OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
<b>FY08 Funding</b>													
<b>Hardware</b>													
--CHATS V3								16160	405	39.9			
--ITRT								6375	625	10.2			
<b>Other</b>													
Total Package Fielding/Software								3074					
CTSF								701					
<b>FY08 Supplemental</b>													
<b>Hardware</b>													
--CHATS V3								878	22	39.9			
--ITRT								204	20	10.2			
Total Package Fielding								100					
Program Support								18					
<b>Total:</b>								<b>27510</b>					

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

Date:  
September 2007

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
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment			Weapon System Type:		P-1 Line Item Nomenclature: CI HUMINT INFO MANAGEMENT SYSTEM (CHIMS) (MIP) (BK5275)					
<b>FY08 Funding</b>										
<b>--CHATS V3</b>										
FY 2008	TAMSCO Eatontown, NJ	C/FFP	CECOM	Jan 08	Jun 08	405	40			
<b>--ITRT</b>										
FY 2008	TAMSCO Eatontown, NJ	C/FFP	CECOM	Jan 08	Jun 08	625	10			
<b>FY08 Supplemental</b>										
<b>--CHATS V3</b>										
FY 2008	TAMSCO Eatontown, NJ	C/FFP	CECOM	Jun 08	Sep 08	22	40			
<b>--ITRT</b>										
FY 2008	TAMSCO Eatontown, NJ	C/FFP	CECOM	Jun 08	Sep 08	20	10			

REMARKS: CHIMS are Commercial off the Shelf (COTS) and do not have production schedule.

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
ITEMS LESS THAN \$5.0M (MIP) (BK5278)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty				24							24
Gross Cost				33.2							33.2
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				33.2							33.2
Initial Spares											
Total Proc Cost				33.2							33.2
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

This budget line supports procurement of TROJAN Special Purpose Integrated Remote Intelligence Terminals (TROJAN SPIRIT) for the Stryker Brigades, Special Operations Forces, United States Forces Korea (USFK) and Modular Force units. Funds for the National Guard virtual, low-cost infrastructure pilot program. Also funds for the Army National Guard Wideband Imagery Dissemination System.

TROJAN SPIRIT provides the Current Force, Stryker Brigades, SOF, and Modular Force units with dedicated, secure, high capacity, SCI-high intelligence data processing and communications. It provides a rapidly deployable, multi-level security, processor-to-processor, high capacity communications capability, and supports tactical to strategic reach-back, essential to split-based operations.

**Justification:**

FY2008 Global War On Terrorism (GWOT)procures eleven (11) TROJAN SPIRIT LITE(V)3 systems to resolve a lack of critical TS/SCI capability in Division headquarters, based on recent requirements raised as a result of OIF/OEF rotations.

FY08 Base \$17,903 Million (13) Qty  
 FY08 GWOT \$15,300 Million (11) Qty  
 FY08 Total \$33.203 Million (24) Qty

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: ITEMS LESS THAN \$5.0M (MIP) (BK5278)			Weapon System Type:			Date: September 2007			
OPA2 Cost Elements	ID	FY 06			FY 07			FY 08			FY 09		
	CD	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
<b>FY08 Base</b>													
<b>TROJAN SPIRIT LITE (V)</b>													
Hardware, Army Mod Tran (Base)								17187	12	1432			
Integration/Fielding								149					
<b>FY08 GWOT</b>													
Hardware, GWOT/OIF/OEF Deployers								15300	11	1391			
Hardware SOF (Base)								567	1	567			
<b>Total:</b>								<b>33203</b>					

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: ITEMS LESS THAN \$5.0M (MIP) (BK5278)								
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, Army Mod Tran (Base)</b> FY 2008  <b>FY08 GWOT</b> <b>Hardware, GWOT/OIF/OEF Deployers</b> FY 2008  <b>Hardware SOF (Base)</b> FY 2008	GLOBAL SATCOM (HW Army Mod Tr) Gaithersburg, MD  GLOBAL SATCOM (HW Army Mod Tr) Gaithersburg, MD  GLOBAL SATCOM (HW SOF) Gaithersburg, MD	FFP  FFP  FFP	Fort Monmouth, NJ  Fort Monmouth, NJ  Fort Monmouth, NJ	Nov 07  Feb 08  Nov 07	Apr 08  Jul 08  Feb 08	12  11  1	1432  1391  567	Yes  Yes  Yes	      	      

REMARKS:

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE ITEMS LESS THAN \$5.0M (MIP) (BK5278)	Date: September 2007
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COST ELEMENTS						Fiscal Year 08												Fiscal Year 09												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 08												Calendar Year 09																						
						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, Army Mod Tran (Base)																																								
1	FY 08		12	0	12		A						3	3	3	1	1	1											0											
FY08 GWOT																																								
Hardware, GWOT/OIF/OEF Deployers																																								
1	FY 08	A	11	0	11					A					2	2	2	2	3										0											
P31 Kits, GWOT/OIF/OEF Deployers																																								
Hardware SOF (Base)																																								
2	FY 08		1	0	1		A			1																			0											
Total																																								
			24		24					1			3	3	3	3	3	3	2	3																				
							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			2	Prior 1 Oct				After 1 Oct
									Initial				Reorder
1	GLOBAL SATCOM (HW Army Mod Tr), Gaithersburg, MD	1	1	4	1	1	Initial	1	5	6			
						2	Reorder	0	0	0			
2	GLOBAL SATCOM (HW SOF), Gaithersburg, MD	1	1	3	1	1	Initial	1	3	4			
						2	Reorder	0	0	0			
							Initial						
							Reorder						
							Initial						
							Reorder						
							Initial						
							Reorder						

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

Date: September 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: LIGHTWEIGHT COUNTER MORTAR RADAR (B05201)

Program Elements for Code B Items: PE 0604823A L86  
 Code: B  
 Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty				96							96
Gross Cost				54.4							54.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				54.4							54.4
Initial Spares											
Total Proc Cost				54.4							54.4
Flyaway U/C											
Weapon System Proc U/C				0.6							0.6

**Description:**  
 The AN/TPQ-48(V)Lightweight Counter Mortar Radar (LCMR) provides 360 degrees of azimuth coverage and will be used to detect, locate, and report hostile locations of enemy indirect firing systems. The LCMR is a critical system in the force protection of soldiers deployed in Operation Enduring Freedom (OEF)/Operation Iraqi Freedom (OIF) and an integral component to the C-RAM System of Systems. The LCMR detects and locates mortar firing positions automatically by detecting and racking the mortar shell and backtracking to locate the weapon position. The LCMR is the only indirect fire weapon locating radar in the US Army inventory that provides continuous 360 degree surveillance. The LCMR system has been designed to be compatible with airborne Operations and can be deployed in a door bundle. the system can be assembled and disassembled quickly by two soldiers. The AN/TPQ-48(V)2 LCMR is a spiral enhancement to the existing LCMR which was fielded to OIF as a Limited Procurement Urgent (LPU) capability.

**Justification:**  
 FY08 Global War on Terrorism (GWOT)procures 24 AN/TPQ-48(V)2 systems to support Army's OEF/OIF requirements.

FY 08 Base \$43,893 Million  
 FY08 GWOT \$10,470 Million  
 FY08 Total \$54,363 Million

Quantity 96 (71 Base - 24 GWOT)

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: LIGHTWEIGHT COUNTER MORTAR RADAR (B05201)			Weapon System Type:			Date: September 2007			
OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
Hardware (AN/TPQ-48(V)2 (Baseline)								24102	71	339			
Ancillary Items								607					
Fielding								1454					
Engineering Change Orders								1295					
Testing								3743					
Training								3597					
Interim Contractor Support								5622					
Program Management Support								2623					
Contractor System Engineering								850					
<b>FY08 Base Appropriation</b>								<b>43893</b>					
Hardware (AN/TPQ-48(V)2 (GWOT)								7698	24	321			
Ancillary Items								205					
Fielding								1206					
Testing								385					
Training								200					
Interim Contractor Support								648					
Program Management Support								128					
<b>FY08 GWOT</b>								<b>10470</b>					
<b>Total:</b>								<b>54363</b>					

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: LIGHTWEIGHT COUNTER MORTAR RADAR (B05201)							
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>Hardware (AN/TPQ-48(V)2 (Baseline)</b> FY 2008 Baseline	Syracuse Research Corp North Syracuse, NY	SS/FFP	CECOM	Nov 07	May 08	71	339	NO		
<b>Hardware (AN/TPQ-48(V)2 (GWOT)</b> FY 2008 Supp	Syracuse Research Corp North Syracuse, NY	SS/FFP	CECOM	Jul 08	Jan 09	24	321	No		

REMARKS:





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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES (BL5283)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				151.0							151.0
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				151.0							151.0
Initial Spares											
Total Proc Cost				151.0							151.0
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

CLASSIFIED PROGRAM: INFORMATION IDENTIFIED IN VOL II OF THE JOINT MILITARY INTELLIGENCE PROGRAM CONGRESSIONAL JUSTIFICATION BOOK.

FY08 Base: \$11.900 million  
 FY08 GWOT: \$23.880 million  
 FY08 Cost Adjustment: \$115.182 million  
 FY08 Total: \$150.962 million

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
NIGHT VISION DEVICES (KA3500)

Program Elements for Code B Items: Code: Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				619.0							619.0
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				619.0							619.0
Initial Spares											
Total Proc Cost				619.0							619.0
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

Night Vision Devices (KA3500) is a summary budget line including the following programs:

- (1) K36400 - Helmet Mounted Enhanced Vision Device - The AN/PVS-14 Monocular Night Vision Device (MNVD) is a lightweight, head or helmet-mounted night vision goggle consisting of a single objective lens assembly, state-of-the-art image intensifier technology, and an eyepiece lens assembly. The ENVG is a lightweight device providing soldiers a passive sensor, fused electro-optical night vision device with the ability to engage and execute Close Combat (including Military Operations on Urban Terrain (MOUT)), Combat Support, and Combat Service Support operations in all light levels, adverse weather, and battlefield obscurant conditions. ENVG will provide improved situational awareness over existing night vision goggles.
- (2) K35000 - Multi-functional Aiming Light is a lightweight, weapon mounted and boresighted aiming light. The line also includes the AN/PEQ-2 Infrared Target Pointer/Infrared Aiming Light (ITPIAL). The aiming light output is visible only when used with a night vision goggle, such as the AN/PVS-14.
- (3) K31300 - AN/VAS-5 Driver's Vision Enhancer (DVE) provides drivers of combat and tactical wheeled vehicles with the capability of continuing operations during conditions of darkness or degraded visibility. The DVE is designed to provide low-cost thermal imagery that increase the user's mobility in moderate rain, snow, or fog, either day or night, and in battle field obscurants (dust or smoke). The DVE provides situational awareness, vehicle tracking, and allows combat and combat support elements to move as an integrated force.
- (4) K41500 - AN/PVS-10 Sniper Night Sight (SNS) is an integrated day/night third generation image intensifier system that mounts on the existing rail of the M24 sniper rifle and can be adapted to mount on other sniper weapons. The SNS provides the sniper with the capability to acquire and engage targets at extended ranges during day and night. This SSN also procures thermal sights for mounting on the M107 Long Range Sniper Rifle.
- (5) B53800 - Laser Target Locator System (LTLS) is a hand-held device that determines range, azimuth and vertical angle to a target and uses the embedded Global Positioning System (GPS) receiver for calculation of target grid coordinates. Target grid can then be transmitted through Fire Support C4I systems for digital transmission of call for fire.

**Justification:**

FY2008 GWOT dollars will procure additional assets to administer the GWOT by resetting items, replacing battle losses, generating and protecting forces, and enhancing military capabilities.

FY08 BASE \$278,641 million  
 FY08 GWOT \$340,394 million  
 FY08 Total \$619,035 million

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: NIGHT VISION DEVICES (KA3500)			Weapon System Type:			Date: September 2007			
<b>OPA2 Cost Elements</b>	ID	<b>FY 06</b>			<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
	CD	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
Multi-functional Aiming Light (GWOT)								36000	45000	0.800			
Helmet Mtd Enhanced Vision Dev (GWOT)								213410	62810	3.398			
Night Vision, Sniper Night Sight (GWOT)								6500	284	22.887			
Laser Target Locator System (GWOT)								84484	1030	82.023			
<b>GWOT Total</b>								<b>340394</b>					
Helmet Mounted Enhanced Vision Device								231419	53181	4.352			
Multi-functional Aiming Light								29274	33780	0.867			
Driver's Vision Enhancer								3000					
Night Vision, Sniper Night Sight								14948	855	17.000			
<b>Base Total</b>								<b>278641</b>					
<b>Total:</b>								<b>619035</b>					

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
Laser Target Locator Systems (B53800)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				84.5							84.5
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				84.5							84.5
Initial Spares											
Total Proc Cost				84.5							84.5
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

This program provides funding to procure Commercial Off the Shelf (COTS) Laser Target Locating Systems (LTLS) to address operational shortcomings of the AN/PVS-6, Mini Eye-Safe Laser Infrared Observation Set (MELIOS). The LTLS is a hand held device that determines range, azimuth and vertical angle to a target and calculates target grid coordinates using internal Global Positioning System (GPS) receiver. LTLS can also digitally transmit data to fire support C4I systems for digital transmission of call for fire. These systems have both direct view sighting optics and thermal night sights, to provide the Soldier a distinct advantage during battlefield situations.

**Justification:**

FY 2008 supplemental funding will procure (1,030) laser target locator systems for fielding to Army-at-Large Brigade Combat Teams (BCTs) for the 1st Army SECFOR.

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: Laser Target Locator Systems (B53800)			Weapon System Type:			Date: September 2007			
<b>OPA2 Cost Elements</b>		ID	<b>FY 06</b>			<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
		CD	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
LASER TARGET LOCATOR SYSTEMS (GWOT)									68516	1030	66.520			
Project Management Admin									4647					
Engineering Support									4562					
Testing									845					
ECO									5069					
Integrated Logistics Support									845					
<b>Total:</b>									<b>84484</b>					

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment			Weapon System Type:		P-1 Line Item Nomenclature: Laser Target Locator Systems (B53800)						
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>LASER TARGET LOCATOR SYSTEMS (GWOT)</b>  FY 2008	TBD TBD	C/IDIQ	RMAC	Jun 08	Jun 09	1030	67	Yes			

REMARKS:





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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
Multi-Function Aiming Light (K35000)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty				78780							78780
Gross Cost				65.3							65.3
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				65.3							65.3
Initial Spares											
Total Proc Cost				65.3							65.3
Flyaway U/C											
Weapon System Proc U/C				0.0							0.0

**Description:**

The AN/PEQ-2A is a small, lightweight IR aiming light with the additional capability of an IR illuminator. It is capable of being used as a hand held device and capable of mounting on most small arms, individual and crew served weapon systems (M4, M16, M249, M240B, M2, MK19, etc.). The AN/PEQ-15/15a is the improved versions of the AN/PEQ-2A, which are smaller, lighter and have the additional capability of a visible (red) laser. The AN/PEQ-2A and the AN/PEQ-15/15a are compatible with Night Vision Goggles (AN/PVS-7B/D, AV/PVS-14, and Enhanced Night Vision Goggles).

**Justification:**

FY2008 supplemental funds procures (45,000) Aiming Lights for units deploying in support of Operation Iraqi Freedom, Operation Enduring Freedom, and the Global War on Terrorism (GWOT). These systems will also support the Army's Modularity Initiative and Stryker Brigade Combat Teams.

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: Multi-Function Aiming Light (K35000)			Weapon System Type:			Date: September 2007		
<b>OPA2 Cost Elements</b>	ID	<b>FY 06</b>			<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
	CD	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
ATPIAL (PEQ-2A) (BASE)	A							10810	13512	0.800			
ATPIAL (PEQ-15) (BASE)								16214	20268	0.800			
Program Management Support								1596					
Fielding								255					
Engineering Change Orders (ECO)								156					
Testing								243					
<b>Base Total</b>								<b>29274</b>					
ATPIAL (PEQ-15) (GWOT)								36000	45000	0.800			
<b>Total:</b>								<b>65274</b>					

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

Date:  
September 2007

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>ATPIAL (PEQ-2A) (BASE)</b> FY 2008	Insight Technology (PEQ-2A) Londonderry, NH	C/IDIQ	RMAC	Nov 07	Dec 07	13512	0.800	Yes		
<b>ATPIAL (PEQ-15) (BASE)</b> FY 2008	Insight Technology (PEQ-15) Londonderry, NH	C/IDIQ	RMAC	Nov 07	Nov 08	20268	0.800	Yes		
<b>ATPIAL (PEQ-15) (GWOT)</b> FY 2008	Insight Technology (PEQ-15) Londonderry, NH	C/IDIQ	RMAC	Jun 08	Dec 08	45000	0.800	Yes		

REMARKS:





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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
Helmet Mounted Enhanced Vision Devices (K36400)

Program Elements for Code B Items:

Code:

Other Related Program Elements:  
64710 A DL67

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty				115991							115991
Gross Cost				444.8							444.8
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				444.8							444.8
Initial Spares											
Total Proc Cost				444.8							444.8
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The AN/PVS-14 Monocular Night Vision Device (MNVD) is a lightweight, head or helmet-mounted night vision goggle consisting of a single objective lens assembly, state-of-the-art image intensifier technology, and an eyepiece lens assembly. The ENVG is a lightweight, helmet-mounted device consisting of a state-of-the-art image intensifier sensor, an uncooled long-wave infrared camera, and a miniature display to provide high resolution fused imagery to the individual Soldier. ENVG provides the Soldier with significantly improved situational awareness over existing image intensified devices in all light levels, adverse weather, and obscured battlefield conditions. The AN/PVS-14 and ENVG support the tactical level of war: enabling the individual Soldier to see, understand, and act first, permitting superior tactical mobility and decisive engagement during limited visibility conditions.

**Justification:**

FY2008 supplemental funds procures (62,810) of AN/PVS-14s. The AN/PVS-14s will provide the Stryker force the capability to dominate night operations by increasing situational awareness, mobility, and lethality during times of low light and night. These systems are used in support to the Global War on Terrorism (GWOT) and support the Army's modularity initiative, which reorganizes our current capabilities in order to meet the combatant commander's mission requirement.

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: Helmet Mounted Enhanced Vision Devices (K36400)			Weapon System Type:			Date: September 2007		
<b>OPA2 Cost Elements</b>	ID	<b>FY 06</b>			<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
	CD	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
AN/PVS-14 (GWOT)								213410	62810	3.398			
<b>GWOT Total</b>								<b>213410</b>					
AN/PVS-14 (BASE)	A							131252	44100	2.976			
ENVG								73462	9081	8.090			
Engineering Support								11544					
Project Management Admin								3848					
Fielding								8649					
Testing								528					
Contractor Logistics Support								2136					
<b>Base Total</b>								<b>231419</b>					
<b>Total:</b>								<b>444829</b>					

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: Helmet Mounted Enhanced Vision Devices (K36400)							
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>AN/PVS-14 (BASE)</b>										
FY 2008	ITT ROANOKE, VA	C/IDIQ	RMAC	Dec 07	Nov 09	30751	2.976	Yes		
FY 2008	Northrop Grumman TEMPE, AZ	C/IDIQ	RMAC	Dec 07	Jan 09	13349	2.976	Yes		
FY 2008	ITT ROANOKE, VA	C/IDIQ	RMAC	Jul 08	Sep 09	24148	3.398	Yes		
FY 2008	Northrop Grumman TEMPE, AZ	C/IDIQ	RMAC	Jul 08	Jan 09	38662	3.398	Yes		
<b>ENVG</b>										
FY 2008	ITT ROANOKE, VA	C/IDIQ	RMAC	Dec 06	Dec 07	9081	8.090	Yes		

REMARKS:





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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
SNIPER NIGHT SIGHT (K41500)

Program Elements for Code B Items: Code: Other Related Program Elements:  
64710A DL67

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				21.4							21.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				21.4							21.4
Initial Spares											
Total Proc Cost				21.4							21.4
Flyaway U/C											
Weapon System Proc U/C											

**Description:**  
The AN/PVS-10 Sniper Night Sight (SNS) is an integrated day/night system that mounts on the M24 sniper rifle and can be adapted to mount on other sniper weapons. The SNS utilizes passive third generation image intensification technology for night operations. The SNS for the .50 cal Long Range Sniper Rifle (LRSR) is a thermal sight. It utilizes second generation Forward Looking Infrared (FLIR) technology for operations at night or in limited visibility/obscured battlefield conditions. The SNS supports the tactical level of war enabling the individual sniper to see, understand, and act first. The SNS provides the sniper with the capability to acquire and engage targets at extended ranges during day and night.

**Justification:**  
FY2008 supplemental funds procures (284) night sights for Snipers to mount on the M24 Sniper rifles. Without the AN/PVS-10, the sniper will not have the capability to engage and eliminate threat snipers, materiel, and thin skinned armored vehicle targets under low light conditions. This system allows the Sniper to engage enemy vehicles, command and control centers, and other targets at an increased stand-off distance even during low light and night conditions, thus increasing the special operator's survivability and lethality.

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: SNIPER NIGHT SIGHT (K41500)			Weapon System Type:		Date: September 2007				
<b>OPA2 Cost Elements</b>	ID	<b>FY 06</b>			<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
	CD	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
AN/PVS-10 (Base)								3269	143	22.860			
Night Sight Hardware (LRSNS)								8544	712	12.000			
Program Management Admin								1196					
Interim Contract Support								149					
Fielding								1495					
ECP								205					
Testing								90					
<b>BASE Total</b>								<b>14948</b>					
AN/PVS-10 (GWOT)								6500	284	22.887			
<b>Total:</b>								<b>21448</b>					

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

Date:  
September 2007

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>AN/PVS-10 (Base)</b> FY 2008	Northrop Grumman Garland, TX	SS/FP	RMAC	Dec 07	Dec 08	143	22.86	Yes		
<b>Night Sight Hardware (LRSNS)</b> FY 2008	TBD TBD	C/FP	RMAC	Dec 07	Dec 08	712	12.00	Yes		
<b>AN/PVS-10 (GWOT)</b> FY 2008	TBD TBD					284	22.89			

REMARKS:





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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
NIGHT VISION, THERMAL WPN SIGHT (K22900)

Program Elements for Code B Items:

Code:

Other Related Program Elements:  
64710A DL67

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty				17449							17449
Gross Cost				266.6							266.6
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				266.6							266.6
Initial Spares											
Total Proc Cost				266.6							266.6
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The AN/PAS-13 Thermal Weapon Sight (TWS) program supports the Army's objectives by increasing the individual Soldier's situational awareness, lethality, mobility and survivability during periods of significantly reduced visibility. The AN/PAS-13, TWS, is used with a variety of Infantry individual and crew served weapons. The TWS supports the tactical level of war enabling the individual Soldier to see, understand, and act first. The TWS program provides the Soldier with advanced imaging technologies today. TWS consists of a Second Generation thermal imaging device that significantly improves mounted and dismounted Infantry operational capability and supported weapon system performance, by increasing target acquisition range and enabling both day and night vision through smoke, fog, battlefield obscurants and in extremely low light levels. TWS is produced in three configurations (light, medium and heavy) to support the target acquisition range of the weapon systems. TWS enables Stryker and Future Forces to dominate and win the close fight with individual combatant overmatch during day, night, and low visibility operations across the full spectrum of conflict. TWS will be fielded for use with Stryker Brigade Combat Team (SBCT) dismounted Soldiers and mounted crew served weapons on selected variants. TWS satisfies an immediate capability gap providing thermal imagery for Stryker Force individual Soldier and is poised to capitalize on advances in technology providing revolutionary enhancements for the Future Force in all operating environments.

**Justification:**

FY2008 supplemental funds procures (3,493) TWS systems for fielding to units deploying to support Operation Iraqi Freedom (OIF), Operation Enduring Freedom (OEF) and the Global War on Terrorism (GWOT), and for Modularity requirements. TWS upholds the Army Future Force tenets of lethality, mobility, and survivability while emphasizing the "Soldier as a System."

FY08 Base \$230.6M

FY08 GWOT \$36.0M

FY08 Total \$266.6M

Quantity: Base 13,956; GWOT 3,493; Total 17,449

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: NIGHT VISION, THERMAL WPN SIGHT (K22900)			Weapon System Type:			Date: September 2007			
OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
AN/PAS-13 TWS Heavy (GWOT)								14000	1152	12.153			
AN/PAS-13 TWS Medium (GWOT)								13000	1161	11.197			
AN/PAS-13 TWS Light (GWOT)								9000	1180	7.627			
<b>GWOT Total</b>								<b>36000</b>					
AN/PAS-13 Thermal Weapon Sight (TWS)													
AN/PAS-13 TWS Heavy	A							57133	4700	12.156			
AN/PAS-13 TWS Medium								52588	4700	11.189			
AN/PAS-13 TWS Light								34762	4556	7.630			
Government Engineering Support								1355					
Project Management Admin								7224					
Fielding/Ancillary Support Items								13546					
Contractor Engineering Support								833					
Interim Contractor Support								8127					
Testing								50000					
ECP								5039					
<b>Baseline Total</b>								<b>230607</b>					
<b>Total:</b>								<b>266607</b>					

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: NIGHT VISION, THERMAL WPN SIGHT (K22900)								
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>AN/PAS-13 Thermal Weapon Sight (TWS)</b>											
FY 2008 Base	TBD TBD	C/FP	RMAC	Dec 07	Dec 08	13956	11	Yes			
FY 2008 GWOT	TBD TBD	C/FP	RMAC	Jun 08	Jun 09	3493	11	Yes			

REMARKS:



<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE NIGHT VISION, THERMAL WPN SIGHT (K22900)	Date: September 2007
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COST ELEMENTS	Fiscal Year 10	Fiscal Year 11
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MFR	FY	S R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11												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	A U G	S E P	

Thermal Weapon Sight (BASE)

1	FY 08	A	13956	11630	2326	1163	1163																						0
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Thermal Weapon Sight GWOT

1	FY 08	A	3493	1164	2329	291	291	291	291	291	291	291	292																0
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Total			17449	12794	4655	1454	1454	291	291	291	291	291	292																
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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
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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	TBD, TBD	250	1163	2000	210	1	Initial	4	3	10	13	
							Reorder	1	3	10	13	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

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

Date: September 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: RADIATION MONITORING SYSTEMS (WC5200)

Program Elements for Code B Items: Code: Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				5.1							5.1
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				5.1							5.1
Initial Spares											
Total Proc Cost				5.1							5.1
Flyaway U/C											
Weapon System Proc U/C											

**Description:**  
 Description:  
 The AN/VDR-2 is a nuclear radiation detector that is used by the Army and the Marines to detect and measure beta and gamma nuclear radiation in the battlespace and in Operations Other Than War. The system allows users to avoid contamination and to reduce their exposure when avoidance is not possible. The AN/VDR-2 is a tactical ratemeter that is used in the field to survey contaminated areas to make tactical decisions on stay time and route. It is also used to decon vehicles and personnel and for monitoring food and water for radiological contamination. The AN/PDR-75 is a nuclear radiation detector that is used by the Army and the Marines to detect and measure neutron and gamma nuclear radiation in the battlespace and in Operations Other Than War. The system allows users to avoid contamination and to reduce their exposure when avoidance is not possible. The AN/PDR-75 is an individual dosimeter and reader system that is used in the field to monitor the radiation dose of a company or equivalent sized unit to make tactical and administrative decisions on the Radiation Exposure Status of the unit. The dosimeters are worn by individual soldiers and read on a separate reader at company headquarters.

**Justification:**  
 FY08 Base funds 1150 AN/VDR-2 radiac meters and 128 AN/PDR-75 Radiac Sets  
 FY08 Global War on Terrorism (GWOT) Cost Adjustment procures AN/VDR-2 Radiac meters and AN/PDR-75 Radiac Sets.  
  
 FY08 Base Appropriation \$3.518 million  
 FY08 GWOT \$0  
 FY08 GWOT Cost Adjustment \$1.554 million  
 FY08 Total \$5.072 million

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
RADIAC SET, AN/VDR-2 (B43300)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				3.0							3.0
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				3.0							3.0
Initial Spares											
Total Proc Cost				3.0							3.0
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The AN/VDR-2 is a nuclear radiation detector that is used by the Army and the Marines to detect and measure beta and gamma nuclear radiation in the battlespace and in Operations Other Than War. The system allows users to avoid contamination and to reduce their exposure when avoidance is not possible. The AN/VDR-2 is a tactical ratemeter that is used in the field to survey contaminated areas to make tactical decisions on stay time and route. It is also used to decon vehicles and personnel and for monitoring food and water for radiological contamination.

**Justification:**

FY 2008 Base Appropriation: \$2.462 million  
 FY 2008 GWOT Cost Adjustment Request: \$ 488 million  
 FY 2008 Total \$2.950 million

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: RADIAC SET, AN/VDR-2 (B43300)			Weapon System Type:			Date: September 2007			
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 06</b>			<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
		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
BASE													
Engineering Support (Govt)								162					
AN/VDR-2 Hardware								2300	1150	2			
Quality Assurance													
Acceptance Testing													
Total Package Fielding													
Initial Spares													
Update Technical Manuals													
GWOT Cost Adjustment													
AN/VDR-2 Hardware								488	238	2			
<b>Total:</b>								<b>2950</b>					

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: RADIAC SET, AN/VDR-2 (B43300)								
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>BASE</b> <b>AN/VDR-2 Hardware</b> FY 2008	Canberra Dover Dover, NJ	C/FFP	CECOM, FT Monmouth	Dec 07	Jun 08	1150	2	Yes		
<b>GWOT Cost Adjustment</b> <b>AN/VDR-2 Hardware</b> FY 2008	Canberra Dover Dover, NJ	C/FFP	CECOM, FT Monmouth	Dec 07	Jun 08	238				

REMARKS:



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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
RADIAC SET: AN/PDR-75() (B92400)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost	36.4			2.1							38.5
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	36.4			2.1							38.5
Initial Spares											
Total Proc Cost	36.4			2.1							38.5
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The AN/PDR-75 is a nuclear radiation detector that is used by the Army and the Marines to detect and measure neutron and gamma nuclear radiation in the battlespace and in Operations Other Than War. The system allows users to avoid contamination and to reduce their exposure when avoidance is not possible. The AN/PDR-75 is an individual dosimeter and reader system that is used in the field to monitor the radiation dose of a company or equivalent sized unit to make tactical and administrative decisions on the Radiation Exposure Status of the unit. The dosimeters are worn by individual soldiers and read on a separate reader at company headquarters.

**Justification:**

FY 2008 Base Appropriation - \$1.056 million  
 FY 2008 GWOT Cost Adjustment - \$1.066 million  
 FY 2008 Total - \$2.122 million

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: RADIAC SET: AN/PDR-75() (B92400)			Weapon System Type:		Date: September 2007				
<b>OPA2 Cost Elements</b>	ID	<b>FY 06</b>			<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
	CD	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
<b>BASE</b>													
AN-PDR-75 Hardware								900	128	7			
Engineering Support (Govt)								156					
Quality Assurance													
Acceptance Testing													
Total Package Fielding													
Initial Spares													
Update Technical Manuals													
<b>GWOT Cost Adjustment</b>													
AN-PDR-75 Hardware								903	129	7			
Engineering Support (Govt)								163					
<b>Total:</b>								<b>2122</b>					

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

Date:  
September 2007

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
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment										
		Weapon System Type:	P-1 Line Item Nomenclature: RADIAC SET: AN/PDR-75() (B92400)							
<b>BASE</b> <b>AN-PDR-75 Hardware</b> FY 2008	Canberra Dover Dover, NJ	C/FFP	CELCMC, FT Monmouth, NJ	Dec 07	Jan 09	128	7	Yes		
<b>GWOT Cost Adjustment</b> <b>AN-PDR-75 Hardware</b> FY 2008	Canberra Dover Dover, NJ	C/FFP	CELCMC, FT Monmouth, NJ	Dec 07	Apr 09	129	7	Yes		

REMARKS:



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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
ARTILLERY ACCURACY EQUIP (AD3200)

Program Elements for Code B Items: Code: A Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty				15							15
Gross Cost				2.8							2.8
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				2.8							2.8
Initial Spares											
Total Proc Cost				2.8							2.8
Flyaway U/C											
Weapon System Proc U/C				0.2							0.2

**Description:**

The Improved Position and Azimuth Determining System (IPADS) supports modernization of the Army's Field Artillery survey capabilities. The current PADS was fielded in the 1980s with 1970s technology. Poor reliability and obsolete technology has resulted in a system that is no longer economically supportable. The IPADS leverages technology advances, substantially improves reliability, and provides a digital communications capability to meet the needs of the Army of the Future. This is a Joint Program with the USMC.

**Justification:**

FY 2008 Global War on Terrorism (GWOT) Cost Adjustment funds procures 15 IPADS with support for logistics.

FY2008 Base Appropriation \$0.000 Million  
 FY2008 GWOT Request \$0.000 Million  
 FY2008 GWOT Cost Adjustment \$2.800 Million  
 FY2008 Total \$2.800 Million

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
POSITION AZIMUTH DETERMINING SYS (PADS) (M75700)

Program Elements for Code B Items:

Code:  
A

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty				15							15
Gross Cost				2.8							2.8
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				2.8							2.8
Initial Spares											
Total Proc Cost				2.8							2.8
Flyaway U/C											
Weapon System Proc U/C				0.2							0.2

**Description:**

The Improved Position and Azimuth Determining System (IPADS) supports modernization of the Army's Field Artillery survey capabilities. The current PADS was fielded in the 1980s with 1970s technology. Poor reliability and obsolete technology has resulted in a system that is no longer economically supportable. The IPADS leverages technology advances, substantially improves reliability, and provides a digital communications capability to meet the needs of the Army of the Future. This is a Joint Program with the USMC.

**Justification:**

FY 2008 Global War on Terrorism (GWOT) Cost Adjustment funds procures 15 IPADS with support for logistics.

FY2008 Base Appropriation           \$0.000 Million  
 FY2008 GWOT Request               \$0.000 Million  
 FY2008 GWOT Cost Adjustment       \$2.800 Million  
 FY2008 Total                         \$2.800 Million

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: POSITION AZIMUTH DETERMINING SYS (PADS) (M75700)			Weapon System Type:			Date: September 2007			
OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
<b>GWOT Cost Adjustment</b> 1. Hardware 2. Engineering Support 3. Logistics Support 4. Total Package Fielding (TPF) 5. Program Management  <b>Total:</b>								2790	15	186			
								<b>2800</b>					

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: POSITION AZIMUTH DETERMINING SYS (PADS) (M75700)							
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>GWOT Cost Adjustment</b> FY 2008	L3 Communications Budd Lake, NJ	C/FP	Rock Island, IL	Jul 08	Jul 09	15	186	Yes	Nov 02	Dec 02

REMARKS:



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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
ENHANCED PORTABLE INDUCTIVE ARTILLERY FUZE SETTER (AD3260)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				7.7							7.7
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				7.7							7.7
Initial Spares											
Total Proc Cost				7.7							7.7
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

This budget line item supports procurement of Enhanced Portable Inductive Artillery Fuze Setter (EPIAFS) system. EPIAFS is a pre-planned product improvement to the PIAFS, and allows for inductive setting of GPS guided artillery munitions (such as the XM982 Excalibur) in addition to its current fuze setting capabilities. The EPIAFS system includes a hand held setter, Platform Integration Kit (PIK) and cable. EPIAFS will be fielded to the M777A2 Light Weight Towed Howitzer currently being procured by the Army, and to the fielded M109A6 Paladin Self Propelled Howitzer to allow them to utilize GPS guided artillery munitions, such as the Excalibur and the Precision Guidance Kit (PGK).

**Justification:**

FY08 Baseline: Procures 330 EPIAFS system (hand held setter, PIK and cable) needed for the Stryker Brigade Combat Team #5, additional LW155 production, and Paladin Digital Fire Control System (PDFCS) equipped M109A6 Paladin's.

FY08 Global War on Terrorism (GWOT) request: Procures 8 additional EPIAFS for LW155 production and equipped M109A6 Paladin's.

FY 2008 GWOT Cost Adjustment funds support cost

FY08 Base Appropriation \$7.572 million  
 FY08 GWOT \$0 million  
 FY08 GWOT Cost Adjustment \$.087 million  
 FY08 Total - \$7.659 million

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: ENHANCED PORTABLE INDUCTIVE ARTILLERY FUZE SETTER (AD3260)			Weapon System Type:			Date: September 2007			
OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
<b>FY08 Base Appropriation</b>													
EPIAFS								3659	330	11			
<b>SubTotal Hardware</b>								<b>3659</b>					
<b>Production Support Costs</b>													
Production Engineering								1097					
Quality Assurance								201					
Acceptance Testing								260					
New Equipment Training (NET)								2355					
<b>SubTotal Prod. Support</b>								<b>3913</b>					
<b>Total Baseline</b>								<b>7572</b>					
<b>FY 2008 GWOT Cost Adjustment</b>													
EPIAFS								87	8	11			
<b>Total GWOT Cost Adjustment</b>								<b>87</b>					
<b>Total:</b>								<b>7659</b>					

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment			Weapon System Type:		P-1 Line Item Nomenclature: ENHANCED PORTABLE INDUCTIVE ARTILLERY FUZE SETTER (AD3260)					
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>FY08 Base Appropriation</b> FY 2008	TBS	Option	Picatinny Arsenal, NJ	Jun 08	Apr 09	330	11	Yes		
<b>FY 2008 GWOT Cost Adjustment</b> FY 2008	TBS	Option	Picatinny Arsenal, NJ	Jun 08	Apr 09	8	11	Yes		

REMARKS:





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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
PROFILER (K27900)

Program Elements for Code B Items:  
0604710A L75

Code:  
B

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty				54							54
Gross Cost				83.5							83.5
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				83.5							83.5
Initial Spares											
Total Proc Cost				83.5							83.5
Flyaway U/C											
Weapon System Proc U/C				1.5							1.5

**Description:**

The AN/TMQ-52 Meteorological Measuring Set-Profiler (MMS-P) is a replacement for the current Meteorological Measuring Set (MMS), AN/TMQ-41. Profiler uses a suite of meteorological (MET) sensors and MET data from communication satellites along with an advanced weather model to provide highly accurate MET data out to a range of 500 kilometers. The current MMS relies upon a balloon-borne radiosonde to measure and transmit MET conditions such as wind speed, wind direction, temperature, pressure and humidity. It is considered accurate only to 20 kilometers from the balloon launch site and cannot provide target area MET data. Profiler provides the same MET information MMS does and adds rate of precipitation, visibility, cloud height and cloud ceiling. All of these are required for precise targeting and terminal guidance. Profiler uses this information to build a four-dimensional MET model (height, width, depth and time) that includes terrain effects. By providing more accurate MET messages, Profiler will enable the artillery to have a greater probability of a first round hit with indirect fire systems. The new capabilities will increase the lethality of field artillery systems such as Multiple Launch Rocket Systems (MLRS), Paladin, and self-propelled or towed howitzers.

**Justification:**

FY 2008 Global War On Terrorism (GWOT) procures a total of 54 AN/TMQ-55 MMS-P systems from which 6 are funded by the base budget, 42 funded by Main Supplemental, and 6 funded by the Amended GWOT to support Army's requirements enhancing military capabilities.

FY 2008 Base Appropriation: \$ 8.000 million

FY 2008 GWOT Request: \$64.800 million

FY 2008 GWOT Cost Adjustment: \$10.683 million

FY 2008 Total \$83.483 million

QTY - 54 (6 baseline, 42 Main Supplemental, and 6 GWOT Cost Adjustment)

OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
Base Appropriation					11040	24	460						
Profiler Hardware - MMS-P								2760	6	460			
Hardware - GFE								2118	6	353			
Project Management Admin								812					
Data								193					
System Test & Evaluation								471					
Fielding/NET/ICS/NMIB								1142					
Software								504					
<b>Total Base</b>					<b>11040</b>			<b>8000</b>					
GWOT													
Profiler Hardware - MMS-P								17640	42	420			
Hardware - GFE								25823	49	527			
Global Broadcasting Sys (GBS) NRE								500					
GBS LRIP Upgrade								2295					
Engrg Change Orders								2065					
Data								1549					
System Test & Evaluation								554					
Fielding/NET/ICS/NMIB								9310					
Software								4339					
MWOs								725					
<b>GWOT Total</b>								<b>64800</b>					
GWOT Cost Adjustment													
Global Broadcasting Sys (GBS)								1755					
Profiler Hardware -MMS-P								2520	6	420			
Hardware - GFE								3162	6	527			
Satellite Data Support-TVSAT								2046					
GFS Conversion Testing								464					
Software Blocking								736					
<b>GWOT Cost Adjustment Total</b>								<b>10683</b>					

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: PROFILER (K27900)			Weapon System Type:			Date: September 2007			
	<b>OPA2 Cost Elements</b>	ID	<b>FY 06</b>			<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>	
CD		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
<b>Total:</b>					<b>11040</b>			<b>83483</b>					

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

Date:  
September 2007

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>Appropriation/Budget Activity/Serial No:</b> Other Procurement, Army/ 2/ Communications and Electronics Equipment	<b>Weapon System Type:</b>		<b>P-1 Line Item Nomenclature:</b> PROFILER (K27900)							
<b>Base Appropriation</b> FY 2008	Smiths Detection Edgewood, MD	SS/FFP(O)	CECOM	Nov 07	Nov 08	6	460	Y	Sep 03	
<b>GWOT</b> FY 2008	Smiths Detection Edgewood, MD	SS/FFP(O)	CECOM	Jun 08	May 09	42	420	Y	Sep 03	
<b>GWOT Cost Adjustment</b> FY 2008	Smiths Detection Edgewood, MD	SS/FFP(O)	CECOM	Jun 08	May 09	6	420	Y	Sep 03	

REMARKS:

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE PROFILER (K27900)	Date: September 2007
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COST ELEMENTS						Fiscal Year 08												Fiscal Year 09												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 08												Calendar Year 09												
						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	

Base Appropriation

Profiler Hardware - MMS-P																													
1	FY 08	A	7	0	7		A												1	1	1	1	1	1	1	1	1	1	0

GWOT

Profiler Hardware - MMS-P																																
1	FY 08	A	42	0	42																						6	6	6	6	6	12

GWOT Cost Adjustment

Profiler Hardware -MMS-P																															
1	FY 08	A	6	0	6																										6

Total			55		55														1	1	1	1	1	1	1	1	1	1	6	6	6	6	6	18
-------	--	--	----	--	----	--	--	--	--	--	--	--	--	--	--	--	--	--	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----


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							Initial	Reorder	
	Smiths Detection, Edgewood, MD	1	2	6			0	1	12	13	
							0	1	11	12	



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

Date: September 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: MOD OF IN-SVC EQUIP (Firefinder Radars) (BZ7325)

Program Elements for Code B Items: Code: Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				84.7							84.7
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				84.7							84.7
Initial Spares											
Total Proc Cost				84.7							84.7
Flyaway U/C											
Weapon System Proc U/C											

**Description:**  
 MOD IN-SERVICE EQUIPMENT (Firefinder Radars) funds the modifications to the Firefinder radars, the AN/TPQ-36 Mortar Locating Radar and the AN/TPQ-37 Artillery Locating Radar. The Firefinder equipment was designed to meet the Army's critical need to quickly and accurately locate the large number and variety of hostile indirect fire weapons. The Firefinder radars use a combination of radar techniques and computer controlled signal processing to detect and locate enemy mortars, field artillery, and rockets with sufficient accuracy to permit rapid engagement with counterfire. The Firefinder radars are capable of locating multiple weapons simultaneously and transmitting the target data to appropriate counterfire elements in near real time. The AN/TPQ-36 is a phased-array X-Band radar which automatically locates mortar and short range rocket launchers. The system is configured on three (3) High Mobility Multi-Purpose Wheeled Vehicles (HMMWVs) making it highly mobile and transportable. The AN/TPQ-37 is a larger system requiring a 5-ton truck to pull the Antenna Transceiver Group (ATG). The AN/TPQ-37 is a phased-array S-Band radar with a longer target acquisition range than the AN/TPQ-36 allowing it to locate artillery and rockets.

**Justification:**  
 FY2008 Global War On Terrorism (GWOT) funding procures the following:  
 a. Additional AN/TPQ-36(V)8 shelters/modifications to enhance capabilities in range, target classification and displacement time and resolve obsolescence issues.  
 b. Additional AN/TPQ-36(V)8 Radar Processors to resolve obsolescence issues and maintain radar supportability.  
 c. Additional initial spares associated with the replacement of the AN/TPQ-37 Radar Processor and Transmitter to resolve obsolescence issues, systemic failures and maintain radar supportability.

FY08 Base \$41,480 Million  
 FY08 GWOT \$43,200 Million  
 FY08 Total \$84,680 Million

<b>Exhibit P-40M, Budget Item Justification Sheet</b>	Date: September 2007
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature MOD OF IN-SVC EQUIP (Firefinder Radars) (BZ7325)
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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	2006 & PR	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	TC	Total
AN/TPQ-36(V)8 Electronics Upgrade											
OSIP		0.0	0.0	57.8	0.0	0.0	0.0	0.0	0.0	0.0	57.8
AN/TPQ-37 Fire Support Digitization											
OSIP		0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
AN/TPQ-37 Reliability/Maintainability Improvements											
0-00-00-0000		0.0	0.0	25.9	0.0	0.0	0.0	0.0	0.0	0.0	25.9
<b>Totals</b>		<b>0.0</b>	<b>0.0</b>	<b>84.7</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>84.7</b>

**INDIVIDUAL MODIFICATION**

Date: September 2007

MODIFICATION TITLE: AN/TPQ-36(V)8 Electronics Upgrade [MOD 1] OSIP

MODELS OF SYSTEM AFFECTED: AN/TPQ-36(V)5 and AN/TPQ-36(V)7 HMMWV Radar

**DESCRIPTION / JUSTIFICATION:**

The AN/TPQ-36 is the primary target acquisition and counterfire system for Field Artillery in support of Divisions, separate Brigades, and rapid deployment task forces. The AN/TPQ-36(V) 8 Radar System is deployed through OIF/OEF and is in support of the Warfighter 24/7. The Radar Processor is used to provide the digital signal processing and data processing of the radar and is the critical component of the radar. This radars system has experienced a parts obsolescence problem associated with the Radar Processor. A competitive contract was recently awarded for a new Radar Processor that would alleviate the obsolescent issues. This upgrade to the current Radar Processor will improve weapon location performance, replace obsolete and unprocurable components, reduce circuit card assembly count by 40%, reduce life cycle costs and allow for commonality of radars in country.

FY 2008 GWOT funds procurement of the following:

Additional AN/TPQ-36(V)8 Radar Processors to accelerate fielding to OIF/OEF and support deployments.

Additional AN/TPQ-36(V)8 Shelters/Modification Kits to support modularity.

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

Exercise Option for Radar Processors - Jul 08

Procure Additional Shelters - Jul 08

**Installation Schedule**

Pr Yr Totals	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
	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	1	2	3	4	1	2	3	4	1	2	3	4	To Complete	Totals	
																		FY 2012
Inputs																		
Outputs																		

**METHOD OF IMPLEMENTATION:**

**ADMINISTRATIVE LEADTIME:**

0 months

**PRODUCTION LEADTIME:** 0 months

Contract Dates:

FY 2008 -

FY 2009 -

FY 2010 -

Delivery Dates:

FY 2008 -

FY 2009 -

FY 2010 -

**INDIVIDUAL MODIFICATION**

Date: September 2007

MODIFICATION TITLE (cont): AN/TPQ-36(V)8 Electronics Upgrade [MOD 1] OSIP

FINANCIAL PLAN: (\$ in Millions)

	FY 2006 and Prior		2007		2008		2009		2010		2011		2012		2013		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>																			
<b>Procurement</b>																				
Kit Quantity					17														17	
Equipment						25.5														25.5
Equipment (Non-Recurring)																				
Ancillary Hardware						4.6														4.6
RP Redesign/Procurement					76	21.6													76	21.6
MILTOPE Upgrade						0.2														0.2
Data																				
Engineering/Test Support						2.9														2.9
Training Equipment																				
CTS Upgrades																				
Pre-Mod Depot Maint						0.2														0.2
Hardware/Software Upgrades						1.5														1.5
PM Admin						1.1														1.1
Fielding Support						0.2														0.2
<b>Installation of Hardware</b>																				
FY 2005 & Prior Equip -- Kits																				
FY 2006 -- Kits																				
FY 2007 Equip -- Kits																				
FY 2008 Equip -- Kits																				
FY 2009 Equip -- Kits																				
FY 2010 Equip -- Kits																				
FY 2011 Equip -- Kits																				
FY 2012 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	0	0.0
Total Procurement Cost		0.0		0.0		57.8		0.0		0.0		0.0		0.0		0.0		0.0		57.8

**INDIVIDUAL MODIFICATION**

Date: September 2007

MODIFICATION TITLE: AN/TPQ-37 Fire Support Digitization [MOD 2] OSIP

MODELS OF SYSTEM AFFECTED: AN/TPQ-37(V)5/6

**DESCRIPTION / JUSTIFICATION:**

This upgrade will modify the Firefinder AN/TPQ-37 Operations Control Group (OCG) and will incorporate hardware and software to sustain Field Artillery Tactical Data System (FATDS) connectivity and provide Joint Technical Architecture-Army (JTA-A) compliance. The hardware currently includes a Versatile Computer Unit (VCU) and external TACFIRE Control Interface Module (TCIM). VCU will be replaced with a MILTOPE TSC 750-M Laptop Computer to maintain radar supportability. With the transition to Modularity, the AN/TPQ-37 will be fielded one (1) per Unit of Action (UA) (Heavy), four (4) per Fires Brigade (BDE), and one (1) per Stryker Brigade Combat Team (SBCT).

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

Integration/installation of kits being done at Tobyhanna Army Depot

**Installation Schedule**

Pr Yr	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Totals																				
Inputs																				
Outputs																				

  

	FY 2012				FY 2013				FY 2014				FY 2015				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		
Outputs																		

METHOD OF IMPLEMENTATION: \*Depot (See Note) ADMINISTRATIVE LEADTIME: 0 months PRODUCTION LEADTIME: 0 months  
 Contract Dates: FY 2008 - FY 2009 - FY 2010 -  
 Delivery Dates: FY 2008 - FY 2009 - FY 2010 -

**INDIVIDUAL MODIFICATION**

Date: September 2007

MODIFICATION TITLE (cont): AN/TPQ-37 Fire Support Digitization [MOD 2] OSIP

FINANCIAL PLAN: (\$ in Millions)

	FY 2006 and Prior		2007		2008		2009		2010		2011		2012		2013		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>																			
<b>Procurement</b>																				
Kit Quantity																				
Installation Kits (Trailer/Shelter)																				
Installation Kits, Nonrecurring																				
MILTOPE Upgrade																				
Equipment, Nonrecurring																				
Nonrecurring Engineering																				
Fielding						0.3														0.3
Engineering Support						0.3														0.3
SEC/Training																				
Trainer																				
PM Admin						0.2														0.2
Contractor Support						0.2														0.2
Hardware/Software Upgrades																				
<b>Installation of Hardware</b>																				
FY 2005 & Prior Equip -- Kits																				
FY 2006 -- Kits																				
FY 2007 Equip -- Kits																				
FY 2008 Equip -- Kits																				
FY 2009 Equip -- Kits																				
FY 2010 Equip -- Kits																				
FY 2011 Equip -- Kits																				
FY 2012 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	0	0.0
Total Procurement Cost		0.0		0.0		1.0		0.0		0.0		0.0		0.0		0.0		0.0		1.0

**INDIVIDUAL MODIFICATION**

Date: September 2007

MODIFICATION TITLE: AN/TPQ-37 Reliability/Maintainability Improvements [MOD 3] 0-00-00-0000

MODELS OF SYSTEM AFFECTED: AN/TPQ-37

**DESCRIPTION / JUSTIFICATION:**

The AN/TPQ-37 Radar is used to detect and locate long range enemy artillery and rocket weapons to permit rapid engagement with counterfire. This radar provides critical force protection to Warfighters conducting tactical missions associated with multiple on-going worldwide operations. The Reliability, Maintainability Improvement program is necessary to resolve major issues with obsolescence and systemic failures associated with the existing AN/TPQ-37(V) Transmitter and Radar Processor (RP). The overall program will be implemented in two Phases. Phase I will consist of fabrication, demonstrations, testing and delivery of a newly designed RP and Transmitter. Follow-on production efforts of the newly designed RP and a Transmitter will be implemented during Phase II. The new RP will replace the current Signal Processor Unit. The newly designed Transmitter will replace the existing transmitter. It is anticipated that this improvement will significantly increase system reliability, availability, maintainability requirements, decrease system down time and reduce the total number of spare parts required to support the radar systems and therefore simplify logistics support.

FY08 GWOT funds procurement of additional initial spares associated with the RP and Transmitter

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

Phase II Initiated - Dec 07

**Installation Schedule**

	Pr Yr Totals	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Inputs																						
Outputs																						

  

	FY 2012				FY 2013				FY 2014				FY 2015				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 2008 -

FY 2009 -

FY 2010 -

Delivery Dates:

FY 2008 -

FY 2009 -

FY 2010 -

**INDIVIDUAL MODIFICATION**

Date: September 2007

MODIFICATION TITLE (cont): AN/TPQ-37 Reliability/Maintainability Improvements [MOD 3] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	FY 2006 and Prior		2007		2008		2009		2010		2011		2012		2013		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>																			
<b>Procurement</b>																				
Kit Quantity																				
Installation Kits																				
Installation Kits, Nonrecurring																				
Equipment																				
Equipment, Nonrecurring																				
Initial Spares					54	20.3													54	20.3
Non-Recurring Engineering						5.4														5.4
Engineering Support						0.2														0.2
Data																				
Other																				
Interim Contractor Support																				
<b>Installation of Hardware</b>																				
FY 2006 & Prior Equip -- Kits																				
FY 2007 -- Kits																				
FY 2008 Equip -- Kits																				
FY 2009 Equip -- Kits																				
FY 2010 Equip -- Kits																				
FY 2011 Equip -- Kits																				
FY 2012 Equip -- Kits																				
FY 2013 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	0	0.0
Total Procurement Cost		0.0		0.0		25.9		0.0		0.0		0.0		0.0		0.0		0.0		25.9

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

Date: September 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2) (W61900)

Program Elements for Code B Items: W61900  
 Code:  
 Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				601.1							601.1
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				601.1							601.1
Initial Spares											
Total Proc Cost				601.1							601.1
Flyaway U/C											
Weapon System Proc U/C											

**Description:**  
 The Force XXI Battle Command Brigade and Below (FBCB2) is a digital, battle command information system that provides integrated, on-the-move, timely, relevant battle command information to tactical combat, combat support and combat service support leaders and soldiers. FBCB2 incorporates state-of-the-art information technology to allow commanders to concentrate combat system effects rather than combat forces, enabling units to be both more survivable and more lethal. FBCB2 provides the capability to pass orders and graphics allowing the warfighter to visualize the commander's intent and scheme of maneuver. FBCB2 affords combat forces the capability to retain the tactical/operational initiatives under all mission, enemy, terrain, troops, and time available conditions to enable faster decisions, real/near-real-time communications and response. FBCB2 as a key component of the Army Battle Command System (ABCS) completes the information flow process from brigade to platform and across platforms within the brigade task force and across brigade boundaries. FBCB2 system provides a dual based capability consisting of both terrestrial Enhanced Position Location and Reporting System (EPLRS) and satellite based (L-Band) systems. The System includes a Pentium based processor, display unit, keyboard, removable hard disk drive cartridge, and a platform specific installation kit. The satellite based system, more commonly known as Blue Force Tracking (BFT), includes an L-Band transceiver that employs commercial satellite services in lieu of tactical terrestrial radios. Currently over 20,000 systems have been fielded with approximately 15,000 systems in support of Operation Enduring Freedom (OEF)/Operation Iraqi Freedom (OIF).

**Justification:**  
 FY 2008 Base procures 3,563 FBCB2 ground systems and 557 aviation A-Kits to continue fielding to meet the Army requirements to prosecute the Global War on Terror (GWOT).  
 FY 2008 GWOT procures 4,820 FBCB2 ground systems and 1,809 aviation A-Kits.  
 FY 2008 GWOT Cost Adjustment procures 2,311 FBCB2 ground systems.

FY 2008 Base: \$175.975 Million  
 FY 2008 GWOT: \$374.860 Million  
 FY 2008 GWOT Cost Adjustment: \$50.250 Million  
 FY 2008 Total: \$601.085 Million

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2) (W61900)			Weapon System Type:			Date: September 2007			
OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
Base					66509	2896	23						
HW Manufacturing Ground								59803	3563	17			
HW Manufacturing Aviation								37342	557	67			
<b>Total HW</b>								<b>97145</b>					
System Engineering/Project Management													
Government								23675					
Contractor								5527					
<b>Total System Engineering/PM</b>								<b>29202</b>					
Engineering Change Proposals								863					
Test								1378					
Training								787					
Data								2493					
Support Equipment								1612					
Op Site Activation								2675					
Fielding								10792					
Software Support								9424					
Other								19604					
<b>Base Total</b>								<b>175975</b>					
GWOT													
HW Manufacturing Ground								61544	4820	13			
HW Manufacturing Aviation								121872	1809	67			
<b>Total HW</b>								<b>183416</b>					
System Engineering/Project Management													
Government								22926					
Contractor								5527					
<b>Total System Engineering/PM</b>								<b>28453</b>					
Engineering Change Proposals								1433					
Support Equipment								2825					
Op Site Activation								9043					

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2) (W61900)			Weapon System Type:			Date: September 2007			
OPA2 Cost Elements	ID	FY 06			FY 07			FY 08			FY 09		
	CD	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
Op Site Activation								51329					
Other (Type I Encryption Devices)								98361					
<b>GWOT Total</b>								<b>374860</b>					
GWOT Cost Adjustment													
HW Manufacturing Ground								37226	2311	16			
Support Equipment								7466					
Fielding								5203					
Other (Transportation)								355					
<b>GWOT Cost Adjustment Total</b>								<b>50250</b>					
<b>Total:</b>					<b>66509</b>			<b>601085</b>					

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

Date:  
September 2007

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
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment			Weapon System Type:		P-1 Line Item Nomenclature: FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2) (W61900)					
<b>Base</b> <b>HW Manufacturing Ground</b> FY 2008 Base	DRS Melbourne, Florida	SS/FFP	CECOM C4IEWS	Jan 08	Jun 08	3563	17	Y		N/A
<b>HW Manufacturing Aviation</b> FY 2008 Base	RDECOM Pdn Integrat'n Facility Huntsville, Alabama	MIPR	AMCOM	Nov 07	Mar 08	557	67	Y		N/A
<b>GWOT</b> <b>HW Manufacturing Ground</b> FY 2008 GWOT	DRS Melbourne, Florida	SS/FFP	CECOM C4IEWS	Jun 08	Nov 08	4820	13	Y		N/A
<b>HW Manufacturing Aviation</b> FY 2008 GWOT	RDECOM Pdn Integrat'n Facility Huntsville, Alabama	MIPR	AMCOM	Jun 08	Oct 08	1809	67	Y		N/A
<b>GWOT Cost Adjustment</b> <b>HW Manufacturing Ground</b> FY 2008	DRS Melbourne, Florida	SS/FFP	CECOM C4IEWS	Jun 08	Nov 08	2311	16	Y		N/A

REMARKS:





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

Date: September 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: LIGHTWEIGHT LASER DESIGNATOR/RANGEFINDER (LLDR) (K31100)

Program Elements for Code B Items: Code: A Other Related Program Elements: 0604710A DL76

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty				522							522
Gross Cost				151.0							151.0
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				151.0							151.0
Initial Spares											
Total Proc Cost				151.0							151.0
Flyaway U/C											
Weapon System Proc U/C				0.3							0.3

**Description:**  
 The Lightweight Laser Designator Rangefinder (LLDR) (AN/PED-1) is a modular system designed for man-portable day/night all-weather use for determining the precise location of threat targets, and for designating threat targets for engagement by Global Position System (GPS) precision and laser guided munitions for a variety of Army and Joint weapons systems. The Target Location Module uses an advanced thermal (infrared (IR)) sensor, day camera, laser rangefinder, and digital compass/vertical angle device, global positioning system, and system controller with digital data and video outputs. These components provide precision target location and the capability to digitally transmit the targeting information. The Laser Designation Module contains the laser and associated optics required to 'paint' a threat target for precision engagement by laser-guided munitions. The Target Location Module, at 12.9 pounds, the Laser Designation Module, at 10.7 pounds, and the accessories, at 10.4 pounds, make the modular man-portable LLDR a combat multiplier for current and future forces.

**Justification:**  
 FY2008 supplemental funding will procure (206) LLDR systems for fielding to BCTs deploying to support Operation Iraqi Freedom (OIF), Operation Enduring Freedom (OEF) and to support the Global War on Terrorism (GWOT).

FY08 Base \$93.9 Million  
 FY08 GWOT \$57.0 Million  
 FY08 Total \$150.9 Million  
 Quantity: Base 316; GWOT 206; Total 522

OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
K31100 AN/PED-1 LLDR (GWOT)								57000	206	276.7			
<b>GWOT Total</b>								<b>57000</b>					
FY08 Baseline													
K31100 AN/PED-1 LLDR (Baseline)	A							87414	316	276.6			
Engineering Support								449					
Project Management Admin								448					
Engineering Change Order								385					
Testing								340					
Fielding								4950					
<b>Baseline Total</b>								<b>93986</b>					
<b>Total:</b>								<b>150986</b>					

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: LIGHTWEIGHT LASER DESIGNATOR/RANGEFINDER (LLDR) (K31100)							
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>K31100 AN/PED-1 LLDR (GWOT)</b> FY 2007	Northrop Grumman Laser Systems Apopka, FL	SS/FP	RMAC	Jun 08	May 09	206	277	Yes		
<b>K31100 AN/PED-1 LLDR (Baseline)</b> FY 2007	Northrop Grumman Laser Systems Apopka, FL	SS/FP	RMAC	Dec 07	Nov 08	316	277	Yes		

REMARKS:





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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
COMPUTER BALLISTICS: LHMBC XM32 (K99200)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				10.6							10.6
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				10.6							10.6
Initial Spares											
Total Proc Cost				10.6							10.6
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The M32 Lightweight Handheld Mortar Ballistic Computer (LHMBC) calculates ballistic trajectories which give the mortar user data to elevate the gun, set the charge, and direct fire for all rounds. The LHMBC provides mortar firing computations for all calibers of mortars as well as digital messaging capability. The LHMBC consists of the Army Common Hardware Ruggedized Personal Digital Assistant (R-PDA) with embedded Global Positioning System (GPS) capability, and M95 Mortar Fire Control System software modified for use with the R-PDA. The LHMBC will interface with the Advanced Field Artillery Tactical Data System to improve required response time. Development of the LHMBC was conducted jointly with the U.S. Marine Corps. The LHMBC will replace the old M23 Mortar Ballistic Computer, which is no longer logistically supportable, in Army and Marine Corps. dismounted mortar units. The total system weighs less than four pounds, compared to the M23 which weighs over 8 pounds. The M32 LHMBC was Type Classified Standard in June 2005. LHMBC provides a critical capability that increases dismounted mortar system accuracy and reduces initial firing time providing ground commanders immediate response indirect fires on designated targets.

**Justification:**

FY 2008 Main Supplemental Request procures 297 M32 Light weight Handheld MBC.

FY 2008 Global War On Terrorism (GWOT) Cost Adjustment procures 53 M32 Lightweight Handheld MBC in support of Army's GWOT requirements.

FY 2008 Base Appropriation: \$0.0  
 FY 2008 GWOT Request: \$ 9.400 million  
 FY 2008 GWOT Cost Adjustment: \$ 1.150 million  
 FY 2008 Total \$10.550 million

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: COMPUTER BALLISTICS: LHMBC XM32 (K99200)			Weapon System Type:			Date: September 2007			
OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
GWOT													
M32 - Lightweight Handheld MBC								6237	297	21			
<b>Subtotal Hardware</b>								<b>6237</b>					
<b>Production Support</b>													
Production Engineering								2238					
Proof and Acceptance								100					
Fielding and New Equipment Training								825					
<b>Subtotal Production Support</b>								<b>3163</b>					
<b>GWOT Total</b>								<b>9400</b>					
GWOT Cost Adjustment													
M32 - Lightweight Handheld MBC								1113	53	21			
<b>Subtotal Hardware</b>								<b>1113</b>					
<b>Production Support</b>													
Proof and Acceptance								37					
<b>Subtotal Production Support</b>								<b>37</b>					
<b>GWOT Cost Adjustment Total</b>								<b>1150</b>					
<b>Total:</b>								<b>10550</b>					

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

Date:  
September 2007

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
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment			Weapon System Type:		P-1 Line Item Nomenclature: COMPUTER BALLISTICS: LHMCB XM32 (K99200)					
<b>GWOT</b> <b>M32 - Lightweight Handheld MBC</b> FY 2008 GWOT	General Dynamics Land Systems Sterling Heights, MI	C/Option	Redstone Arsenal, AL	Jul 08	Jul 09	297	21	Yes		
<b>GWOT Cost Adjustment</b> <b>M32 - Lightweight Handheld MBC</b> FY 2008 Amended	General Dynamics Land Systems Sterling Heights, MI	C/Option	Redstone Arsenal, AL	Jul 08	Jul 09	53	21	Yes		

REMARKS:



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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
MORTAR FIRE CONTROL SYSTEM (K99300)

Program Elements for Code B Items:  
64802/D613

Code:  
B

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				20.2							20.2
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				20.2							20.2
Initial Spares											
Total Proc Cost				20.2							20.2
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The Mortar Fire Control System (MFCS) accurately determines weapon position and orientation, navigates, calculates ballistics, and communicates digitally on the fire support net. The MFCS consists of the M95/M96 version which is used on mounted 120mm mortars in Heavy and Stryker Brigade Combat Teams, and the XM150/XM151 version which is used on the M120 120mm Towed Mortar which is fielded throughout all Infantry Brigade Combat Teams. The M95 is used on the M1064A2/M1064A3 Mortar Carriers with the M121 Battalion Mortar System and the M1129A1 Stryker 120mm Mortar Carrier with the 120mm Recoiling Mortar System. The M96 is used on M577 Mortar Fire Direction Center (FDC) vehicle. The XM150 will be used on the M120 120mm Towed Mortar, which will be mounted on the M1101 Trailer. The XM151 is used on the M1097 HWMMV which serves as the IBCT Mortar FDC. Both the M95 and XM150 consist of four main components: 1) The Commander's Interface (CI) (M95) or Squad Leaders Computer (SLC) (XM150) links the MFCS components together, communicates, and calculates the ballistic computations configuration. 2) The Pointing Device and Position System (PDPS) enables the mortar to "know" its own location and thus eliminates the need for aiming posts, aiming circles, and survey. 3) The Gunner's Display (GD) shows the gunner where to point the tube and shows the ballistic solution. 4) The Driver's Display (DD) enables the driver to rough aim (20 mils) the vehicle in the firing direction when a call for fire alert is received. The M96 and XM151 each consist primarily of the CI (M96) or SLC (XM151), because the FDC has no gun system.

**Justification:**

FY 2008 Baseline procures 65 XM150, M120 120MM Mortar and 15 XM151, M557 Fire Direction Center.

FY 2008 GWOT Request procures 10 XM150, 120 120 MM Mortar and 2 XM151, M557 Fire Direction Center.

FY 2008 GWOT Cost Adjustment procures 17 XM150 MFCS for M120, 120mm Towed Mortars, and 3 XM151 MFCS for FDC's. Additionally the FY 2008 GWOT Cost Adjustment will fund a total of 15 M95 MFCS for M121, 120mm Mounted Mortars, and 3 M96 MFCS for FDC's.

FY 2008 Base Appropriation: \$14.000 million

FY 2008 GWOT Request: \$1.500 million

FY 2008 GWOT Cost Adjustment: \$4.692 million

FY 2008 Total: \$20.192 million

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

Date:

September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics EquipmentP-1 Item Nomenclature  
MORTAR FIRE CONTROL SYSTEM (K99300)Program Elements for Code B Items:  
64802/D613Code:  
B

Other Related Program Elements:

The XM150/XM151 will achieve Type Classification Standard in the 2QFY08.

OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
Base													
MFCS - XM150, M120 120MM Mortar							7970	65	123				
MFCS - XM151, M557 Fire Direction Center							608	15	41				
Mortar Mission Setter							1486	400	3				
<b>Subtotal Hardware</b>							<b>10064</b>						
<b>Production Support</b>													
Production Engineering							1329						
Post Deployment Software Support							155						
Proof and Acceptance							500						
Fielding, Installation and Training							1247						
<b>Subtotal Production Support</b>							<b>3231</b>						
<b>Non-Recurring Costs</b>													
Software Blocking							500						
Manuals							205						
<b>Subtotal Non-Recurring Costs</b>							<b>705</b>						
<b>Base Total</b>							<b>14000</b>						
GWOT					6300								
MFCS - XM150, M120 120MM Mortar							1230	10	123				
MFCS - XM151, M557 Fire Direction Center							82	2	41				
<b>Subtotal Hardware</b>							<b>1312</b>						
<b>Production Support</b>													
Fielding, Installation and Training							188						
<b>Subtotal Production Support</b>							<b>188</b>						
<b>GWOT Total</b>							<b>1500</b>						
GWOT Cost Adjustment													
MFCS (XM150) - 120MM Mortar Dismounted							2050	17	121				
MFCS (XM151) - FDC Dismounted							121	3	40				
MFCS (M95) - 120mm Mortar Mounted							1839	15	123				
MFCS (M96) - FDC Mounted							122	3	41				
<b>Subtotal Hardware</b>							<b>4132</b>						
<b>Production Support</b>													

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: MORTAR FIRE CONTROL SYSTEM (K99300)			Weapon System Type:			Date: September 2007		

OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
Installation								560					
<b>Subtotal Production Support</b>								<b>560</b>					
<b>GWOT Cost Adjustment Total</b>								<b>4692</b>					
<b>Total:</b>					<b>6300</b>			<b>20192</b>					

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: MORTAR FIRE CONTROL SYSTEM (K99300)								
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>Base</b>										
<b>MFCS - XM150, M120 120MM Mortar</b> FY 2008	To Be Selected	C/FFP	Picatinny, NJ	Apr 08	Feb 09	65	123	YES		
<b>MFCS - XM151, M557 Fire Direction Center</b> FY 2008	To Be Selected	C/FFP	Picatinny, NJ	Apr 08	Feb 09	15	41	YES		
<b>GWOT</b>										
<b>MFCS - XM150, M120 120MM Mortar</b> FY 2008	To Be Selected	C/FFP	Picatinny, NJ	Jul 08	May 09	10	123	YES		
<b>MFCS - XM151, M557 Fire Direction Center</b> FY 2008	To Be Selected	C/FFP	Picatinny, NJ	Jul 08	May 09	2	41	YES		
<b>GWOT Cost Adjustment</b>										
<b>MFCS (XM150) - 120MM Mortar Dismounted</b> FY 2008	To Be Selected	C/FFP	Picatinny, NJ	Jul 08	May 09	17	121	YES		
<b>MFCS (XM151) - FDC Dismounted</b> FY 2008	To Be Selected	C/FFP	Picatinny, NJ	Jul 08	May 09	3	40	YES		
<b>MFCS (M95) - 120mm Mortar Mounted</b> FY 2008	To Be Selected	C/FFP	Picatinny, NJ	Jul 08	May 09	15	123	YES		
<b>MFCS (M96) - FDC Mounted</b> FY 2008	To Be Selected	C/FFP	Picatinny, NJ	Jul 08	May 09	3	41	YES		

REMARKS:

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE MORTAR FIRE CONTROL SYSTEM (K99300)	Date: September 2007
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COST ELEMENTS						Fiscal Year 08													Fiscal Year 09													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 08													Calendar Year 09													
						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			

Base																																				
MFCS - XM150, M120 120MM Mortar																																				
1	FY 08	A	65	0	65																															0
MFCS - XM151, M557 Fire Direction Center																																				
1	FY 08	A	15	0	15																															0
GWOT																																				
MFCS - XM150, M120 120MM Mortar																																				
1	FY 08	A	10	0	10																															0
MFCS - XM151, M557 Fire Direction Center																																				
1	FY 08	A	2	0	2																															0
GWOT Cost Adjustment																																				
MFCS (XM150) - 120MM Mortar Dismounted																																				
1	FY 08	A	17	0	17																															0
MFCS (XM151) - FDC Dismounted																																				
1	FY 08	A	3	0	3																															0
MFCS (M95) - 120mm Mortar Mounted																																				
						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	To Be Selected	5	40	50		1	9	7	10	17		
							3	6	10	16		



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

Date: September 2007

Appropriation / Budget Activity / Serial No: P-1 Item Nomenclature  
 Other Procurement, Army / 2 / Communications and Electronics Equipment TACTICAL OPERATIONS CENTERS (BZ9865)

Program Elements for Code B Items: Code: Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				657.6							657.6
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				657.6							657.6
Initial Spares											
Total Proc Cost				657.6							657.6
Flyaway U/C											
Weapon System Proc U/C											

**Description:**  
 The Tactical Operations Centers (TOCs) program provides commanders and their staffs with digitized platforms and command information centers that support the operational needs of the current Heavy, Infantry, and Stryker Brigade Combat Teams, with direct applicability to the Future Force. Based on the approved Standardized Integrated Command Post System (SICPS) Capability Production Document (CPD), SICPS is a family of systems that consists of the Command Post Platform (CPP), Trailer Mounted Support System (TMSS) (including tents, environmental control, power management, and lighting), Command Center System (CCS), and Command Post Communications System (CPCS). The objective of SICPS is to provide standardized Command Post infrastructure allowing commanders and staffs to digitally plan, prepare, and execute Network Centric operations through visualization of the Common Operational Picture and shared situational awareness. SICPS serves as an enabler for approved battle command systems providing a means to host the Army Battle Command System Information Services server associated with the ABCS 6.4 architecture. SICPS is currently being fielded IAW with the Army Campaign Plan, Unit Set Fielding Schedule. SICPS Low Rate Initial Production (LRIP) is ongoing to support fielding of SBCT-6, SBCT-5, and OIF/OEF rotational units including 1CD, 25ID, 82AB, 12 CAB, 3ID, 173AB, 11D CAB, and elements of 10MTN and 4ID. SICPS Full Rate Production Decision Review was held in November 2006; anticipate approval to enter FRP in the Mar/Apr 07 timeframe based on resolution of conditions required for Full Materiel Release. The War on Terrorism has emphasized the critical need for integrated command and control platforms where real time situational awareness and battle command can be executed in standardized, environmentally controlled, modular shelters, and tent systems that are deployable and supportable. With state-of-the-art SICPS, the TOCs program is providing this capability on an expedited schedule to meet the Army's OIF/OEF requirements, and integrate the Army's updated ABCS systems as quickly as practicable. Currently, the TOCs program is providing OIF/OEF support to the Coalition Forces Land Component Command (CFLCC), Coalition Joint Task Force 7, SBCT-3, 1CD, 25ID, and elements of 82AB and 10MTN.

**Justification:**  
 FY2008 Base procures full SICPS capability (to include GFE, integration, assembly, test and fielding) for some units deploying in support of the OIF/OEF 08-10 rotation, CP Standardization for previously fielded units, and TMSS for FY07 fielded units. FY2008 GWOT procures full SICPS capability for remaining units deploying in support of the OIF/OEF 08-10 rotation.  
 FY2008 Base: \$393.883 Million  
 FY2008 GWOT: \$263.709 Million  
 FY2008 Total: \$657.592 Million  
 FY2008 Base Quantities: CPP-115 CCS-208 CPCS-286 TMSS-892  
 FY2008 GWOT Quantities: CPP-128 CCS-220 CPCS-153 TMSS-530

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: TACTICAL OPERATIONS CENTERS (BZ9865)			Weapon System Type:			Date: September 2007			
<b>OPA2 Cost Elements</b>		ID	<b>FY 06</b>			<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
		CD	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
<b>FY08 Baseline</b>														
1. System Integration/Hardware									337620					
2. Project Management Administration									6327					
3. Fielding (TPF,NET,FDT)									38185					
4. Engineering Support									11751					
<b>Baseline Total</b>									<b>393883</b>					
<b>FY08 GWOT</b>														
1. System Integration/Hardware									243352					
3. Fielding (TPF, NET, FDT)									20357					
<b>GWOT Total</b>									<b>263709</b>					
<b>Total:</b>									<b>657592</b>					

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

Date:  
September 2007

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
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment										
		Weapon System Type:	P-1 Line Item Nomenclature: TACTICAL OPERATIONS CENTERS (BZ9865)							
<b>1. System Integration/Hardware</b> FY 2008	NGMS CPP (FRP) Huntsville, AL	C/FFP Opt	AMCOM	Nov 07	Apr 08					
FY 2008	NGMS CCS (FRP) Huntsville, AL	C/FFP Opt	AMCOM	Nov 07	Apr 08					
FY 2008	NGMS CPCS (FRP) Huntsville, AL	C/FFP Opt	AMCOM	Nov 07	Apr 08					
FY 2008	TBS-TMSS TBD	C/FFP	AMCOM	Nov 07	Apr 08					

REMARKS:



<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>														P-1 ITEM NOMENCLATURE TACTICAL OPERATIONS CENTERS (BZ9865)										Date: September 2007	
--	--	--	--	--	--	--	--	--	--	--	--	--	--	---	--	--	--	--	--	--	--	--	--	-------------------------	--

COST ELEMENTS						Fiscal Year 09														Fiscal Year 10														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 09														Calendar Year 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					
CPP																																		
1	FY 08	A	115	60	55	10	9	9	9	9	9																		0					
1	FY 08	A	128	0	128			11	11	11	11	11	11	11	11	10	10	10	10											0				
TMSS																																		
4	FY 08	A	892	448	444	74	74	74	74	74	74																		0					
4	FY 08	A	530	0	530			1	1	1	1	66	66	66	66	66	66	65	65										0					
CCS																																		
2	FY 08	A	208	106	102	17	17	17	17	17	17																		0					
2	FY 08	A	220	0	220			8	8	8	8	24	24	24	24	23	23	23	23										0					
CPCS																																		
3	FY 08	A	286	144	142	24	24	24	24	23	23																		0					
3	FY 08	A	153	0	153			1	1	2	2	19	19	19	18	18	18	18	18										0					
Total																																		
						2532	758	1774	125	124	145	145	145	145	120	120	120	119	117	117	116	116												
						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	NGMS CPP (FRP), Huntsville, AL		14	20		1	0	0	6	6	
2	NGMS CCS (FRP), Huntsville, AL		16	25		2	0	0	6	6	
3	NGMS CPCS (FRP), Huntsville, AL		14	25		3	0	0	6	6	
							0	0	0	0	
							0	0	0	0	
							0	0	0	0	
							0	0	0	0	

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
FIRE SUPPORT C2 FAMILY (B28501)

Program Elements for Code B Items: Code: Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				66.9							66.9
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				66.9							66.9
Initial Spares											
Total Proc Cost				66.9							66.9
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

Fire Support Command and Control Systems automate the process of fire support coordination. Fire support coordination is the planning and execution of fires so that a suitable weapon or group of weapons adequately covers targets. Fire support is the effects of lethal and non-lethal weapons (fires) that directly support land, maritime, amphibious, and special operation forces to engage enemy forces, combat formations, and facilities in pursuit of tactical and operational objectives.

**Justification:**

FY 2008 Base procures 310 Gun Display Unit-Replacement (GDU-R) systems to provide readiness of 105mm, towed artillery equipped Brigade Combat Teams (BCTs). These units will provide the infantry BCTs with the necessary artillery support. It will also procure 136 Pocket-size Forward Entry Device (PFED) systems to improve the readiness of BCTs. The PFED communicates automated fire mission requests to fire direction centers and receives fire support messages digitally over standard military radios. It will also procure 117 Centaurs (Light Weight Technical Fire Direction Systems - LWTFFDS) that will be fielded to active/reserve Army units. This funding and fielding strategy is directly supportive of Operation Iraqi Freedom / Operation Enduring Freedom (OIF/OEF) requirements. It will also procure 191 Advanced Field Artillery Tactical Data System (AFATDS) systems which perform automated fire support coordination from platoon level to echelons above corps. This funding will ensure that BCTs and Fire Brigade units will have AFATDS in time for the 09-11 rotations.

FY 2008 Global War on Terrorism request funds 340 Gun Display Unit-Replacement (GDU-R) systems, 70 Advanced Field Artillery Tactical Data System (AFATDS) systems and 402 Pocket-Sized Forward Entry Devices (PFEDs).

FY 2008 Global War on Terrorism Cost Adjustment funds 115 Gun Display Unit-Replacement (GDU-R) systems, 46 Advanced Field Artillery Tactical Data System (AFATDS) systems and 216 Pocket-Sized Forward Entry Devices (PFEDs).

FY 2008 Base Appropriation: \$40.626 million  
 FY 2008 GWOT Request: \$17.800 million  
 FY 2008 GWOT Cost Adjustment: \$8.448 million  
 FY 2008 Total: \$66.874 million

OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
<b>Base Appropriation</b>													
Gun Display Unit-Replacement (GDU-R)							6500	310					
Ruggedized Handheld Computer							6000	218					
AFATDS							7384	67					
Mod-In-Svc, AFATDS							13500	124					
LWTFDS							2562	117					
PFED							4680	136					
<b>Base Subtotal</b>							<b>40626</b>						
<b>GWOT</b>													
Gun Display Unit-Replacement (GDU-R)							6000	340					
AFATDS							5400	70					
PFED							6400	402					
<b>GWOT Subtotal</b>							<b>17800</b>						
<b>GWOT Cost Adjustment</b>													
Gun Display Unit-Replacement (GDU-R)							2000	115					
AFATDS							3048	46					
PFED							3400	216					
<b>GWOT Cost Adjustment</b>							<b>8448</b>						
<b>Total:</b>							<b>66874</b>						

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
Gun Display Unit -Replacement (GDU-R) (B28502)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				14.5							14.5
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				14.5							14.5
Initial Spares											
Total Proc Cost				14.5							14.5
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The Gun Display Unit-Replacement (GDU-R) replaces the Gun Display Unit (GDU) which was fielded in the 1980s and is no longer maintainable. The GDU-R is a critical component of Networked Fires and digitally receives firing commands from the Fire Direction Center (FDC) and sends them to the crews of non-digitized howitzers thereby allowing for quicker crew actions. With GDU-R, in communication with the Advanced Field Artillery Tactical Data System (AFATDS), individual gun fire commands and system readiness are communicated digitally, significantly improving mission responsiveness. The GDU-R consists of a Ruggedized Personal Digital assistant (R-PDA) for the section chief and gunner/assistant gunner displays which provide the cannon crews with automated wireless transfer and display of elevation, deflection, fuze and powder mixes. This allows for accurate and timely cannon firing.

**Justification:**

FY08 Baseline: Procures 310 GDU-R systems to provide the readiness of 105mm towed artillery equipped Brigade Combat Teams (BCTs). Units have aging and unreliable basic GDUs or have nothing which makes light artillery units rely on voice commands to each gun for fire missions. These systems will support Operation Enduring Freedom/Operation Iraqi Freedom.

FY08 Global War on Terrorism (GWOT) request: Procures 340 GDU-R systems to support Operation Enduring Freedom/Operation Iraqi Freedom.

FY08 Global War on Terrorism Cost Adjustment: Procures 115 GDU-R systems to support Operation Enduring Freedom/Operation Iraqi Freedom.

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: Gun Display Unit -Replacement (GDU-R) (B28502)			Weapon System Type:		Date: September 2007				
OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
<b>Base Appropriation</b>													
Hardware								5322	310				
Project Management								544					
Engineering								150					
Fielding								484					
<b>Total Baseline</b>								<b>6500</b>					
<b>GWOT Request</b>													
Hardware								6000	340				
<b>Total GWOT</b>								<b>6000</b>					
<b>GWOT Cost Adjustment</b>													
Hardware								2000	115				
<b>Total GWOT Cost Adjustment</b>								<b>2000</b>					
<b>Total:</b>								<b>14500</b>					

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

Date:  
September 2007

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>Appropriation/Budget Activity/Serial No:</b> Other Procurement, Army/ 2/ Communications and Electronics Equipment	<b>Weapon System Type:</b>		<b>P-1 Line Item Nomenclature:</b> Gun Display Unit -Replacement (GDU-R) (B28502)							
<b>Base Appropriation</b> FY 2008	General Dynamics Taunton, MA	C/OPTION	CECOM LCMC Ft Monmouth, NJ	Feb 08	Nov 08	310		YES		
<b>GWOT Request</b> FY 2008	General Dynamics Taunton, MA	C/OPTION	CECOM LCMC Ft Monmouth, NJ	Jul 08	Apr 09	340		YES		
<b>GWOT Cost Adjustment</b> FY 2008	General Dynamics Taunton, MA	C/OPTION	CECOM LCMC Ft Monmouth, NJ	Jul 08	Apr 09	115		YES		

REMARKS: This program utilizes Commercaill Off The Shelf (COTS) hardware therefore no production schedule is required.

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

Date: September 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: ADV FA TAC DATA SYS (B28600)

Program Elements for Code B Items: Code: Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				15.8							15.8
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				15.8							15.8
Initial Spares											
Total Proc Cost				15.8							15.8
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The Advanced Field Artillery Tactical Data System (AFATDS) performs Command and Control, increases Situational Awareness and automates fire support coordination for the Army, Navy, Air Force, and Marine Corps. Fire support is the effects of lethal and non-lethal weapons (fires) that directly support land, maritime, amphibious, and special operation forces to engage enemy forces, combat formations, and facilities in pursuit of tactical and operational objectives. Fire support coordination is the planning and execution of fires so that a suitable weapon or group of weapons adequately covers targets.

AFATDS performs the attack analysis necessary to determine the optimal weapon target pairing to provide maximum use of the fire support assets. As a result of Operation Iraqi Freedom (OIF)/Operation Enduring Freedom (OEF), AFATDS has implemented precision fires capabilities in new/improved munitions such as, Multiple Launch Rocket System (MLRS) Unitary Vertical Attack, Excalibur, Smart and 155 Bonus. Additional implemented capabilities include automatic conduct of Unit Fratricide Avoidance Checks and Collateral Damage Avoidance. AFATDS will field the new Non Line of Sight- Launch System (NLOS-LS) Precision Attack Munition (PAM) and improved Command and Control (C2) for the United States Marine Corp (USMC) firing platforms and its new munitions. AFATDS will port to a windows based operating system in FY08. AFATDS will automatically implement detailed commander's guidance in the automation of operational planning, movement control, targeting, target value analysis and fire support planning. This project is a replacement system for the Initial Fire Support Automated System, Battery Computer System and Fire Direction System. AFATDS will interoperate with the other Army Battle Command Systems, current and future Army, Navy and Air Force Command and Control weapon systems, and the German, French, British, and Italian fire support systems. AFATDS automates the planning, coordinating and controlling of all fire support assets in the Joint battlespace (field artillery, mortars, close air support, naval gunfire, attack helicopters, and offensive electronic warfare) from Echelons Above Corps to Battery or Platoon in support of all levels of conflict. The system is composed of Common Hardware/Software employed in varying configurations at different operational facilities (or nodes) and unique system software interconnected by tactical communications in the form of a software-driven, automated network. This system has successfully fielded AFATDS Version A96 through 6.3.2, and Version 6.4.0.1.

**Justification:**

FY 2008 Base Appropriation procures 67 AFATDS systems to modernize the current Active Army and National Guard. This funding will ensure that Brigade Combat Teams (BCTs) and Fire Brigades (BDEs) will have AFATDS in time for the 09-11 rotation.

FY 2008 Global War on Terrorism (GWOT) request procures 70 AFATDS systems to modernize the current Active Army and National Guard. This funding will ensure that BCTs and Fire BDEs

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: September 2007
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Item Nomenclature ADV FA TAC DATA SYS (B28600)
Program Elements for Code B Items:	Code:	Other Related Program Elements:
<p>will have AFATDS in time for the 09-11 rotation.</p> <p>FY 2008 Global War on Terrorism (GWOT) Cost Adjustment procures 46 AFATDS systems to modernize the current Active Army and National Guard. This funding will ensure that BCTs and Fire BDEs will have AFATDS in time for the 09-11 rotation.</p> <p>FY08 Base Appropriation: \$7.384 million  FY08 GWOT Request: \$5.400 million  FY08 GWOT Cost Adjustment: \$3.048 million  FY08 Total: \$15.832 million</p>		

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: ADV FA TAC DATA SYS (B28600)			Weapon System Type:		Date: September 2007				
OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
<b>Base</b>													
Hardware								4322	67				
Program Management Administration								782					
Engineering Support								1350					
Fielding								930					
<b>Subtotal</b>								<b>7384</b>					
<b>GWOT</b>													
Hardware								5400	70	77			
<b>GWOT Cost Adjustment</b>													
Hardware								3048	46				
Note:													
The hardware cost is comprised of a mix of system configurations, IKs and peripherals. Unit costs are varied and are dependent upon the required configuration per vehicle. Therefore, a fixed unit cost cannot be identified.													
<b>Total:</b>								<b>15832</b>					

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: ADV FA TAC DATA SYS (B28600)							
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>Base</b> FY 2008	General Dynamics Taunton, MA	C/OPTION	CECOM LCMC	Feb 08	Aug 08	67		YES		
<b>GWOT</b> FY 2008	General Dynamics Taunton, MA	C/OPTION	CECOM LCMC	Jul 08	Jan 09	70		YES		
<b>GWOT Cost Adjustment</b> FY 2008	General Dynamics Taunton, MA	C/OPTION	CECOM LCMC	Jul 08	Jan 09	46		YES		

REMARKS: This system uses non-developmental, ruggedized Common Hardware/Software, including the Unix Laptop Computer (ULC), Compact Computer Unit (CCU), Notebook Computer Unit (NCU) as well as vehicle installation kits (IKs). It is Commerical Off-The-Shelf (COTS) equipment and therefore no production schedule is required.

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
POCKET FORWARD ENTRY DEVICE (PFED) (BZ9851)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				14.5							14.5
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				14.5							14.5
Initial Spares											
Total Proc Cost				14.5							14.5
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

Pocket-sized Forward Entry Device (PFED) is a handheld forward entry device used by dismounted forward observers and fire support teams to transmit and receive fire support messages over standard military line of sight, High Frequency (HF) and Satellite Communication (SATCOM) radios. PFED is Windows Mobile based and utilizes the Single Channel Ground and Airborne Radio System (SINCGARS) Advanced System Improvement Program (ASIP) communications to provide the lightest and most powerful dismounted system for developing Call For Fire (CFF). The PFED software is hosted on a Ruggedized Personal Digital Assistant (RPDA).

**Justification:**

FY08 Baseline: Procures 136 PFED systems to support Operation Enduring Freedom (OEF)/Operation Iraqi Freedom (OIF).

FY08 Global War on Terrorism (GWOT) request: Procures 402 PFED systems to support the Global War on Terror by resetting items, replacing battle losses, generating and protecting forces, and enhancing military capabilities. These dollars will directly support Operation Enduring Freedom (OEF)/Operation Iraqi Freedom (OIF).

FY08 Global War on Terrorism Cost Adjustment: Procures 216 PFED systems to support the Global War on Terror by resetting items, replacing battle losses, generating and protecting forces, and enhancing military capabilities. These dollars will directly support Operation Enduring Freedom (OEF)/Operation Iraqi Freedom (OIF).

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: POCKET FORWARD ENTRY DEVICE (PFED) (BZ9851)			Weapon System Type:		Date: September 2007				
OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
<b>Base</b>													
Hardware								2162	136				
Project Management								536					
Engineering								345					
Fielding								1637					
<b>Total Base</b>								<b>4680</b>					
<b>GWOT</b>													
Hardware								6400	402				
<b>Total GWOT</b>								<b>6400</b>					
<b>GWOT Cost Adjustment</b>													
Hardware								3400	216				
<b>Total GWOT Cost Adjustment</b>								<b>3400</b>					
<b>Total:</b>								<b>14480</b>					

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

Date:  
September 2007

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
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment										
		Weapon System Type:	P-1 Line Item Nomenclature: POCKET FORWARD ENTRY DEVICE (PFED) (BZ9851)							
<b>Base</b> FY 2008	GD Taunton, MA	C/OPTION	CECOM LCMC Ft Monmouth, NJ	Feb 08	Nov 08	136		YES		
<b>GWOT</b> FY 2008	GD Taunton, MA	C/OPTION	CECOM LCMC Ft Monmouth, NJ	Jul 08	Apr 09	402		YES		
<b>GWOT Cost Adjustment</b> FY 2008	GD Taunton, MA	C/OPTION	CECOM LCMC Ft Monmouth, NJ	Jul 08	Apr 09	216		YES		

REMARKS: This program utilizes Commercial Off The Shelf (COTS) hardware therefore no production schedule is required.

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

Date: September 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: FAAD C2 (AD5050)

Program Elements for Code B Items: Code: Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost	204.9			30.5							235.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	204.9			30.5							235.4
Initial Spares											
Total Proc Cost	204.9			30.5							235.4
Flyaway U/C											
Weapon System Proc U/C											

**Description:**  
 The Forward Area Air Defense Command and Control (FAAD C2) system collects, digitally processes, and disseminates real-time target cueing and tracking information; the common tactical air picture; and command, control, and intelligence information to all Maneuver Air and Missile Defense (MAMD) weapon systems (Avenger and Man-Portable Air Defense System (MANPADS), and joint and combined arms systems. The FAAD C2 system provides alerting data to air defense gunners, air space battle management, and up linking of mission operations, thereby enhancing force protection against air and missile attack. Situational awareness and targeting data is provided on threat aircraft, cruise missiles, and Unmanned Aerial Vehicles (UAVs). The FAAD C2 system provides this mission capability by integrating dynamic FAAD C2 engagement operations software with the Multifunctional Information Distribution System (MIDS), Joint Tactical Terminal (JTT), Single Channel Ground and Airborne Radio System (SINCGARS), Enhanced Position Location System (EPLRS), Global Positioning System (GPS), Airborne Warning and Control Systems (AWACS), Sentinel Radar, and the Army Battle Command System (ABCS) architecture. In addition, FAAD C2 provides interoperability with Joint C2 systems and horizontal integration with PATRIOT, Theater High-Altitude Area Defense (THAAD), Medium Extended Air Defense System (MEADS), and the Joint Land Attack Cruise Missile Defense Elevated Netted Sensor (JLENS) by fusing sensor data to create a scalable and filterable Single Integrated Air Picture (SIAP) and common tactical picture. The system software is a key component of the Air Defense and Airspace Management (ADAM) Cell that is being fielded to Stryker Brigade Combat Teams (SBCTs), Brigade Combat Teams (BCTs), Heavy Brigade Combat Teams (HBCTs) and Division Headquarters as part of the Army's modularity concept. System software is able to provide target data and engagement commands/status to MAMD Battalions. FAAD C2 is also a principal air defense system within the Homeland Security Program. Soldiers from activated ARNG MAMD battalions operate the FAAD C2 systems in the National Capital Region and other locations.

Program funding enables fielding of equipment to the current force to support the Army's Program Objective to rapidly respond to immediate threats to Soldiers, identifies promising technologies, procures and integrates those capabilities for deployed forces in the same year. As capability gaps are identified by deployed forces, this program provides the ability for the Army to procure high priority/high leverage technology from industry during the same year, with the highest priority going to candidates that cover a multitude of gap areas. Program funding provides a method to rapidly keep pace with leading edge technologies and maintain interoperability and backwards compatibility caused by improvement to other system components (upgrade from common hardware version 2 to 3, EPLRS enhancements, etc.).

In support of the Global War on Terrorism, FAAD C2 systems are in MAMD units and ADAM Cells deployed to Iraq and Afghanistan. These FAAD systems are critical in providing the local air picture to supported units and higher headquarters. FAAD C2 systems will also provide target tracks and weapon controls for the initial C-RAM capability deployed to Iraq.

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: September 2007
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Item Nomenclature FAAD C2 (AD5050)
Program Elements for Code B Items:	Code:	Other Related Program Elements:
<p><b>Justification:</b>  FY 08 GWOT funding will procure upgraded computers to run enhanced software for use in FAAD C2 units supporting GWOT, procure and field Joint Tactical Terminals (JTTs) to upgrade the communications capability of FAAD C2 units, procure FAAD C2 sensor nodes to complete fieldings to Division Headquarters for units slated for GWOT rotations.</p> <p>FY08 Base - \$9.000 Million  FY08 GWOT - \$21.500 Million  FY08 Total - \$30.500 Million  Quantity - 4</p>		

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: FAAD C2 (AD5050)			Weapon System Type:		Date: September 2007				
OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
Project management Admin- Baseline								7809					
<b>Fielding - Baseline</b>													
Total package Fielding								121					
New Equipment Training								235					
First Destination Transportation								8					
Contractor Field Support								373					
Software maintenance Spt								454					
COE/TRADOC													
<b>Total- Baseline</b>								<b>9000</b>					
GWOT													
1. System Integration/Hardware								11244	4	2811			
2. Project Management Admin								2739					
<b>3. Fielding</b>													
a. Total Package Fielding								1317					
b. New Equipment Training								1472					
c. First Destination Transportation								56					
4. Contractor Field Support								1304					
5. Software Maintenance Support								3368					
<b>Total GWOT</b>								<b>21500</b>					
<b>Total:</b>								<b>30500</b>					

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: FAAD C2 (AD5050)							
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>GWOT</b>										
FY 2008	Northrop Grumman/NGMS (TRW) Huntsville, AL	C/Option	AMCOM	Jul 07	N/A					
FY 2008	Northrop Grumman/NGMS (TRW) Huntsville, AL	C/Option	AMCOM	Jul 07						

REMARKS:

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
AIR & MSL DEFENSE PLANNING & CONTROL SYS (AMD PCS) (AD5070)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				64.8							64.8
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				64.8							64.8
Initial Spares											
Total Proc Cost				64.8							64.8
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The Air Defense Airspace Management (ADAM) Cell supports both Air and Missile Defense (AMD) and Aviation operations in Army Brigade Combat Teams (BCT), Fires Brigades and Division Tactical Operations Centers. The ADAM Cell supports AMD and Aviation planning, provides 3D situational awareness, provides Command and Control (C2) capability for AMD augmentation, and supports airspace deconfliction. The ADAM Cell consists of a single SICPS shelter mounted on an M-1152 HMMWV (previously mounted on M1113). The major components in the ADAM Cell are 4 workstations (Forward Area Air Defense Command and Control, Air and Missile Defense Workstation, Air Defense System Integrator, and Tactical Airspace Integration System), multiple data communications systems (Multi-functional Information Distribution System, and various other communication suites) and multiple voice communications systems (SATCOM, HF, UHF, and VHF). Current manning for the ADAM Cell consists of 2 officers, 1 warrant officer, and 3 enlisted soldiers. The ADAM System is an automated integrated planning and control system that provides vertical and horizontal interoperability with Joint and Coalition forces. The ADAM is a set of modular, re-configurable, and standardized Automated Data Processing Equipment (ADPE), packaged in an Army standardized Command Post Platform (CPP).

**Justification:**

FY08 GWOT includes four ADAM Cells, which will be deployed with XVIII Corps Headquarters and three ARNG Infantry Brigade Combat Teams (BCTs). FY08 Global War on Terrorism (GWOT) procurement includes 12 ADAM Cells, which will be deployed with I Corps Headquarters, 1st Armor Division Tactical Operations Centers (TACs) and BCTS, and to ARNG Infantry BCTs and Division TACs. Funding also provides system maintenance and support to include Field Service Representatives.

FY08 Base \$19.611 million QTY 4  
 FY08 GWOT \$45.200 million QTY 12  
 Total \$64.811 million

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: AIR & MSL DEFENSE PLANNING & CONTROL SYS (AMD PCS) (AD5070)			Weapon System Type:		Date: September 2007				
OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
System Integration/HW - Baseline								9790	4	2448			
Project Mgmt Admin								2729					
Fielding (TPF, NET) - Baseline								2800					
Contractor Field Support - Baseline								2572					
SW Maintenance Support - Baseline								1720					
<b>Baseline Total</b>								<b>19611</b>					
System Integration/HW - GWOT								28945	12	2412			
Project Mgmt Admin - GWOT								1286					
Fielding (TPF, NET) - GWOT								8172					
Contractor Field Spt - GWOT								6397					
SW Mainenance Support - GWOT								400					
<b>GWOT Total</b>								<b>45200</b>					
<b>Total:</b>								<b>64811</b>					

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: AIR & MSL DEFENSE PLANNING & CONTROL SYS (AMD PCS) (AD5070)							
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>Project Mgmt Admin</b>										
FY 2008 BASE	Northrop Grumman/NGMS (TRW) Huntsville, AL	C	AMCOM	Nov 07	May 08					
FY 2008 GWOT	Northrop Grumman/NGMS (TRW) Huntsville, AL	C	AMCOM	Jul 08	Feb 09					

REMARKS:

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
Knight Family (B78504)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty				74							74
Gross Cost				136.4							136.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				136.4							136.4
Initial Spares											
Total Proc Cost				136.4							136.4
Flyaway U/C											
Weapon System Proc U/C				1.8							1.8

**Description:**

The M1200 Armored Knight provides precision strike capability by accurately locating and designating targets for both ground and air-delivered laser-guided ordnance and conventional munitions. It replaces the M707 Knight High Mobility Multi-Purpose Wheeled Vehicle (HMMWV base) and M981 Fire Support Team Vehicle used by Combat Observation Lasing Teams (COLT) in both Heavy and Infantry Brigade Combat Teams. It operates as an integral part of the brigade reconnaissance element, providing COLT and fire support mission planning and execution.

The Armored Knight is a M1117 Armored Security Vehicle (ASV) - based platform providing enhanced survivability and maneuverability. The system includes a full 360-degree armored cupola and integrated Knight Mission Equipment Package that is common with the M7 BFIST/M707 Knight and the Striker Fire Support Vehicle. The common components are: Fire Support Sensor System (FS3), Targeting Station Control Panel, Mission Processor Unit, Inertial Navigation Unit, Defense Advanced Global Positioning System Receiver, Power Distribution Unit, and Stand-alone Computer Unit that hosts Forward Observer Software (FOS). Additionally the armored Knight is configured with 3 Single Channel Ground to Air Radio Systems (SINCGARS), Force XXI Battle Command, Brigade and Below (FBCB2)/Blue Force Tracking (BFT), Driver's Display Unit (DDU), Vehicle Intercom System (VIS), etc.

**Justification:**

FY 2008 Baseline: Procures 34 M1200 Knight Vehicles.

FY 2008 Global War On Terrorism funds 29 M1200 Knight Vehicles. This will enable Knight to meet the Army's GWOT requirements with FS3 objective sensor, improved survivability (14.5 armor protection, Nuclear, Biological and Chemical (NBC), Fire Suppression), mobility, mission payload, gross vehicle weight, and growth potential.

FY 2008 Global War On Terrorism Cost Adjustment funds 11 M1200 Knight Vehicles. This will enable Knight to meet the Army's GWOT requirements with FS3 objective sensor, improved survivability (14.5 armor protection, Nuclear, Biological and Chemical (NBC), Fire Suppression), mobility, mission payload, gross vehicle weight, and growth potential.

FY 2008 Base Appropriation: \$68.280 million  
 FY 2008 GWOT Request: \$50.000 million  
 FY 2008 GWOT Cost Adjustment: \$18.077 million

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

Date:

September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics EquipmentP-1 Item Nomenclature  
Knight Family (B78504)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

FY 2008 Total: \$136.357 million

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
KNIGHT-COMMAND AND CONTROL SYSTEM (B78500)

Program Elements for Code B Items:  
0203758A

Code: B Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty				74							74
Gross Cost				136.4							136.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				136.4							136.4
Initial Spares											
Total Proc Cost				136.4							136.4
Flyaway U/C											
Weapon System Proc U/C				1.8							1.8

**Description:**  
The M1200 Armored Knight provides precision strike capability by accurately locating and designating targets for both ground and air-delivered laser-guided ordnance and conventional munitions. It replaces the M707 Knight High Mobility Multi-Purpose Wheeled Vehicle (HMMWV base) and M981 Fire Support Team Vehicle used by Combat Observation Lasing Teams (COLT) in both Heavy and Infantry Brigade Combat Teams. It operates as an integral part of the brigade reconnaissance element, providing COLT and fire support mission planning and execution.

The Armored Knight is a M1117 Armored Security Vehicle (ASV) - based platform providing enhanced survivability and maneuverability. The system includes a full 360-degree armored cupola and integrated Knight Mission Equipment Package that is common with the M7 BFIST/M707 Knight and the Striker Fire Support Vehicle. The common components are: Fire Support Sensor System (FS3), Targeting Station Control Panel, Mission Processor Unit, Inertial Navigation Unit, Defense Advanced Global Positioning System Receiver, Power Distribution Unit, and Stand-alone Computer Unit that hosts Forward Observer Software (FOS). Additionally the armored Knight is configured with 3 Single Channel Ground to Air Radio Systems (SINCGARS), Force XXI Battle Command, Brigade and Below (FBCB2)/Blue Force Tracking (BFT), Driver's Display Unit (DDU), Vehicle Intercom System (VIS), etc.

**Justification:**  
FY 2008 Baseline: Procures 34 M1200 Knight Vehicles.  
  
FY 2008 Global War On Terrorism funds 29 M1200 Knight Vehicles. This will enable Knight to meet the Army's GWOT requirements with FS3 objective sensor, improved survivability (14.5 armor protection, Nuclear, Biological and Chemical (NBC), Fire Suppression), mobility, mission payload, gross vehicle weight, and growth potential.  
  
FY 2008 Global War On Terrorism Cost Adjustment funds 11 M1200 Knight Vehicles. This will enable Knight to meet the Army's GWOT requirements with FS3 objective sensor, improved survivability (14.5 armor protection, Nuclear, Biological and Chemical (NBC), Fire Suppression), mobility, mission payload, gross vehicle weight, and growth potential.

OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
Base													
Armored Knight Production							18336	34	539				
FS3 Sensor							11930	34	351				
Chassis (ASV)							25765	34	758				
Engineering Contractor							4396						
Government Support							2350						
Fielding							4757						
Test & Evaluation							746						
<b>Base Total</b>							<b>68280</b>						
GWOT													
Armored Knight Production							15639	29	539				
FS3 Sensor							10176	29	351				
Chassis (ASV)							21976	29	758				
Engineering Contractor							707						
Government Support													
Fielding							1502						
<b>GWOT Total</b>							<b>50000</b>						
GWOT Cost Adjustment													
Armored Knight Production							5407	11	492				
FS3 Sensor							3828	11	348				
Chassis (ASV)							7653	11	696				
Engineering Contractor							1119						
Government Support													
Fielding							70						
<b>GWOT Cost Adjustment Total</b>							<b>18077</b>						
<b>Total:</b>							<b>136357</b>						

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: KNIGHT-COMMAND AND CONTROL SYSTEM (B78500)								
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>Base</b>										
<b>Armored Knight Production</b>										
FY 2008	DRS-SSI West Plains, MO	SS/FFP	TACOM, Warren, MI	Nov 07	May 09	34		yes		
<b>FS3 Sensor</b>										
FY 2008	Raytheon Corp. McKinney, TX	SS/FFP	TACOM, Warren, MI	Nov 07	Jan 09	34		yes		
<b>Chassis (ASV)</b>										
FY 2008	Textron Marine & Land Systems New Orleans, LA	Options	TACOM, Warren, MI	Nov 07	Nov 08	34		no		
<b>GWOT</b>										
<b>Armored Knight Production</b>										
FY 2008	DRS-SSI West Plains, MO	SS/FFP	TACOM, Warren, MI	Nov 07	May 09	29		yes		
<b>FS3 Sensor</b>										
FY 2008	DRS-SSI West Plains, MO	SS/FFP	TACOM, Warren, MI	Nov 07	Jan 09	29		yes		
<b>Chassis (ASV)</b>										
FY 2008	DRS-SSI West Plains, MO	Options	TACOM, Warren, MI	Nov 07	Nov 08	29		yes		
<b>GWOT Cost Adjustment</b>										
<b>Armored Knight Production</b>										
FY 2008	DRS-SSI West Plains, MO	SS/FFP	TACOM, Warren, MI	Nov 07	May 09	11		no		
<b>FS3 Sensor</b>										
FY 2008	DRS-SSI West Plains, MO	SS/FFP	TACOM, Warren, MI	Nov 07	Jan 09	11		no		
<b>Chassis (ASV)</b>										
FY 2008	DRS-SSI West Plains, MO	Options	TACOM, Warren, MI	Nov 07	Nov 08	11		no		

REMARKS: The ASV contract is part of the overall procurement buy with PM, Tactical Wheeled Vehicles.





<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>														P-1 ITEM NOMENCLATURE KNIGHT-COMMAND AND CONTROL SYSTEM (B78500)										Date: September 2007	
--	--	--	--	--	--	--	--	--	--	--	--	--	--	---	--	--	--	--	--	--	--	--	--	-------------------------	--

COST ELEMENTS						Fiscal Year 10														Fiscal Year 11														Later
M F R	FY	S E R V	PROC QTY x1000	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					

Base

Armored Knight Production																												
1	FY 08	A	34	15	19	3	3	3	3	3	2	2																0

FS3 Sensor																													
2	FY 08	A	34	34																									0

Chassis (ASV)																													
3	FY 08	A	34	34																									0

GWOT

Armored Knight Production																												
1	FY 08	A	29	15	14	2	2	2	2	2	2	2																0

FS3 Sensor																													
2	FY 08	A	29	29																									0

Chassis (ASV)																													
3	FY 08	A	29	29																									0

GWOT Cost Adjustment

Armored Knight Production																														
						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	DRS-SSI, West Plains, MO	3	4	16		1	Initial	0	2	18	20	The ASV contract is part of the overall procurement buy with PM, Tactical Wheeled Vehicles.
						1	Reorder	0	0	0	0	
2	Raytheon Corp., McKinney, TX	6	10	40		2	Initial	0	2	14	16	
						2	Reorder	0	0	0	0	
3	Textron Marine & Land Systems, New Orleans, LA	1	12	48		3	Initial	0	2	12	14	
						3	Reorder	0	0	0	0	
							Initial					
							Reorder					
							Initial					
							Reorder					



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

Date: September 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature Automatic Identification Technology (BZ8889)

Program Elements for Code B Items:			Code:		Other Related Program Elements:						
	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				260.5							260.5
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				260.5							260.5
Initial Spares											
Total Proc Cost				260.5							260.5
Flyaway U/C											
Weapon System Proc U/C											

**Description:**  
 The Automatic Identification Technology program provides commercial radio frequency identification (RFID) and barcode scanning devices, barcode label printers, and other Automatic Identification Technology (AIT) readers and writers to enable the Army and DOD supply chain. These AIT devices enable soldiers, service members and Department of Defense (DOD) civilians to accurately receive property, distribute and store materiel, perform inventory management, and account for equipment without manually entering data. The AIT contract establishes a baseline of AIT devices for use throughout the DOD and ensures standardization and interoperability of this equipment among the Services, while providing extensive warranty and maintenance. This program has the mission to provide centralized procurement of AIT technologies and engineering and fielding of RFID technologies to DOD.

The Army's portable AIT capability for battlefield distribution and convoy management is provided by the Deployment Kit, Radio Frequency Identification (AN/PSX-2). This kit implements movement management and convoy control by providing the ability to build equipment, cargo, and personnel into a single managed manifest and communicates that convoy manifest via satellite networks to logistics and operational command and control centers. The AN/PSX-2 deployment kit will be initially fielded to deployed Movement Control Battalions (MCB) and Movement Control Teams (MCT) and the AN/PSX-2 will be fielded to supply and distribution nodes using radio frequency identification tags and to the balance of MCB/MCT. Supply Chain Event Manager (SCEM) supports the joint logistics vision for real time and near real time visibility and decisionable information over equipment and supplies in distribution and in storage as part of the radio frequency in-transit visibility (RF-ITV) system. The SCEM provides the capability to implement sense and respond and performance based logistics using comprehensive business intelligence to enable agile logistics operations.

Item Unique Identification (IUID) and associated AIT provides the individual pedigree of equipment, property, repair parts, reparable, and sensitive items in all Army supply chains to improve life cycle management, accountability, warranty claims, and configuration control of major weapons systems.

**Justification:**  
 FY08 Global War on Terrorism (GWOT) funding will provide STAMIS IUID implementation with the procurement of Imagers to support PBUSE, IUID-integrated wireless systems, marking equipment and non-recurring engineering to support the IUID policy mandates. In addition, GWOT funding procures AIT deploying BCTs, CABs and Sustainment Bdes to meet Army Readiness requirements; fields AIT to Army combat and logistics units, providing them with the AIT, printers, and peripherals, engineering and fielding of Radio Frequency Identification Intransit Visibility (RFID-ITV) technologies to accomplish their warfighting missions; procures AIT to modify current logistics automation systems to ensure interoperability with warfighting units; funds the reset of

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

Date:

September 2007

Appropriation / Budget Activity / Serial No:

Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature

Automatic Identification Technology (BZ8889)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

RFID-ITV Infrastructure to ensure compliance with DoD RFID(Active and Passive) and Item Unique Identification (IUID) policies. In addition, GWOT funding procures the Field Data Unit (FDU) and RF-ITV server refresh to include Internet Protocol Version 6 (IPv6), the introduction of passive RFID Electronic Product Code, Wireless Security, Sensor Tag and MH10 Tag format, all as mandated by DoD.

FY08 Base       \$ 71.034 million  
FY08 GWOT      \$189.506 million  
FY08 Total       \$260.540 million

This program has \$71.030 million dollars GWOT request that are excess to needs

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: Automatic Identification Technology (BZ8889)			Weapon System Type:			Date: September 2007		
<b>OPA2 Cost Elements</b>	ID	<b>FY 06</b>			<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
	CD	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
<b>FY 2008 BASE</b>													
AIT Peripherals GCSS-Army F/T (Base)	A							76					
AIT Peripherals (Base)	A							13123					
Radio Freq Ntwrk Infrastructure (Base)								34426					
Project Mgmt Spt - Government (Base)	A							4280					
Engineering Support (Base)								19129					
<b>FY2008 GWOT</b>													
AIT Peripherals (GWOT)								95650					
Radio Freq Ntwrk Infrastructure (GWOT)	A							42706					
Engineering Support (GWOT)	A							51150					
<b>Total:</b>								<b>260540</b>					

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

Date:  
September 2007

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>Appropriation/Budget Activity/Serial No:</b> Other Procurement, Army/ 2/ Communications and Electronics Equipment										
		<b>Weapon System Type:</b>	<b>P-1 Line Item Nomenclature:</b> Automatic Identification Technology (BZ8889)							
<b>FY 2008 BASE</b> <b>AIT Peripherals (Base)</b> FY 2008	Intermec Everett, WA	C/FFP	ITEC4	May 08	Jul 08					
<b>Radio Freq Ntwrk Infrastructure (Base)</b> FY 2008	Savi Technology Sunnyvale, CA	C/FFP	ITEC4	Dec 07	Feb 08					
<b>Engineering Support (Base)</b> FY 2008	TBD	C/FFP	ITEC4	Apr 08	Jun 08					
<b>FY2008 GWOT</b> <b>AIT Peripherals (GWOT)</b> FY 2008	Intermec Everett, WA	C/FFP	ITEC4	Var	Var					
<b>Radio Freq Ntwrk Infrastructure (GWOT)</b> FY 2008	Savi Technology Sunnyvale, CA	C/FFP	ITEC4	Var	Var					
<b>Engineering Support (GWOT)</b> FY 2008	TBD	C/FFP	ITEC4	Var	Var					

REMARKS: REMARKS: ITEC4 - Information Technology E-Commerce and Commercial Contracting Center  
 DISA - Defense Information Systems Agency

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
TC AIMS II (BZ8900)

Program Elements for Code B Items: Code: Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				40.1							40.1
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				40.1							40.1
Initial Spares											
Total Proc Cost				40.1							40.1
Flyaway U/C											
Weapon System Proc U/C											

**Description:**  
The Transportation Information Systems (TIS) Program Office for Transportation Coordinators-Automated Information for Movement System II (TC-AIMS II) is a program which will reduce redundancy by consolidating management of the unit/installation-level transportation functions of Unit Movement and Load Planning. Provides critical capability to deploying units so they can build and sustain combat power. TC-AIMS provides the unit critical capability by enabling Sustainment operations that enable and improve combat readiness through improved operational readiness for combat systems.

**Justification:**  
FY08 funding procures initial and replacement TC-AIMS II hardware to operate an Enterprise implementation and automated information technology (AIT) for Army early deployment Power Project Platforms and Power Support Platforms; supports the procurement of a Regional Access Node (RAN) and the hardware replacement at two RANs in order to keep the TIS Enterprise operational. In addition, FY08/09 procures training for approximately 25 high priority units at the BCT and Command level and fielding at an undetermined number of locations. Additional AIT equipment for USAREUR will also be procured.

FY08 Global War on Terrorism (GWOT) funding will procure lifecycle replacement for the following sites: Ft. Benning, Ft. Drum, 256th BDE, 172nd BDE, National Guard Bureau PEC, Korea, and Japan and support the accelerated of planned Block 3 training efforts for CONUS based units. In addition, FY08 GWOT funding will procure fielding for Ft. Sheridan, Ft. Gordon, Ft. Sam Houston, and Ft. Pickett. FY08 GWOT funding will also support the Enterprise network information assurance (IA) upgrade and Internet Protocol Version 6 (IPV6) compatibility.

FY08 GWOT Cost Adjustment funds will replenish theatre equipment stocks and battle losses. In addition, FY08 GWOT Cost Adjustment will fund reconstitution and reset of items coming from theatre.

FY08 Base: \$29.037 million  
 FY08 GWOT: \$10.225 million  
 FY08 GWOT Cost Adjustment: \$.865 million  
 FY08 Total: \$40.127 million

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: TC AIMS II (BZ8900)			Weapon System Type:		Date: September 2007				
OPA2 Cost Elements	ID	FY 06			FY 07			FY 08			FY 09		
	CD	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
<b>BASE</b>													
Deployment Support & Training	A							10684					
Hardware & Automated Info Tech	A							18353					
<b>Base TOTAL</b>								<b>29037</b>					
<b>GWOT</b>													
Deployment Support & Training	A							4101					
Hardware & Automated Info Tech	A							6124					
<b>GWOT TOTAL</b>								<b>10225</b>					
<b>GWOT Cost Adjustment</b>													
<b>Deployment Support &amp; Training</b>													
<b>Hardware &amp; Automated Info Tech</b>													
Workstation (Reset) Active Component								140	31	5			
Workstation (Reconstitution) NG								107	24	4			
Workstation (Reconstitution) Active								118	26	5			
Workstation (Theatre Provided Equipment)								500	111	5			
<b>GWOT Cost AdjustmentTOTAL</b>								<b>865</b>					
<b>Total:</b>								<b>40127</b>					

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: TC AIMS II (BZ8900)								
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>BASE</b>										
<b>Deployment Support &amp; Training</b>										
FY 2008	TBS	C/CPAF	FEDSIM	Apr 07	Apr 07			YES		
FY 2008	Titan Systems Springfield, VA	T&M	ITEC4	Sep 07	Sep 07			YES		
<b>Hardware &amp; Automated Info Tech</b>										
FY 2008	VAR*	C/FP	ITEC4 or GSA	Oct 07	Jan 08			YES		
FY 2008	VAR*	C/FP	ITEC4 or GSA	Jan 08	Apr 08			YES		
FY 2008	VAR*	C/FP	ITEC4 or GSA	Apr 08	Jul 08			YES		
<b>GWOT</b>										
<b>Deployment Support &amp; Training</b>										
FY 2008	TBS	C/CPAF	FEDSIM	Apr 07	Apr 07			Yes		
FY 2008	Titan Systems Springfield, VA	T&M	ITEC4	Sep 07	Sep 07			Yes		
<b>Hardware &amp; Automated Info Tech</b>										
FY 2008	VAR*	C/FP	ITEC4 or GSA	Apr 08	Jul 08			Yes		
FY 2008	VAR*	C/FP	ITEC4 or GSA	May 08	Aug 08			Yes		
FY 2008	VAR*	C/FP	ITEC4 or GSA	Jun 08	Sep 08			Yes		
<b>GWOT Cost Adjustment</b>										
<b>Deployment Support &amp; Training</b>										
FY 2008	TBS	C/CPAF	ITEC4 or GSA	TBD	TBD			Yes		
FY 2008	Titan Systems Springfield, VA	T&M	ITEC4	TBD	TBD			Yes		
<b>Hardware &amp; Automated Info Tech</b>										
FY 2008	VAR*	C/FP	ITEC4 or GSA	TBD	TBD			Yes		

REMARKS: REMARKS: Contractors are:  
 TBS (To Be Selected)  
 GSA (Government Services Administration)  
 ITEC4 (Information Technology & Electronic Commerce Commercial Contracting Center)  
 VAR\* (Various Contractor Services and Configurations vary by site)

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
Tactical Internet Manager (B93900)

Program Elements for Code B Items:  
28010.01D

Code:

Other Related Program Elements:  
BX0007

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				21.6							21.6
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				21.6							21.6
Initial Spares											
Total Proc Cost				21.6							21.6
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The Tactical Internet Management System (TIMS) is based on an Operational Requirements (ORD) for the Integrated Systems Control (ISYSCON) dated April 05, calling for Network Management for the Lower Tactical Internet and Tactical Operations Center (TOC) Local Area Network (LAN). TIMS will perform network planning, initialization, management and monitoring of the Tactical Internet at Force XXI Brigade and Below (FBCB2) as well as TOC LANs. TIMS, along with the other 10 Army Battle Command Systems (ABCS), depends on Data Products to perform their mission. Data Products include the data that provide accurate addressing and networking information for routing communications and command and control via a Tactical Internet (TI). These data products make the network, BFAs and simulations work together as a system to support both the Army's operational battle command requirements and its training requirements in the live, virtual and constructive domains. Data Products are being produced in accordance with the Army's Unit Set Fielding Schedule.

**Justification:**

FY08 GWOT funds are required for additional assets to prosecute the Global War on Terrorism by resetting items, replacing battle losses, generating and protecting forces, and enhancing military capabilities. FY08 will procure 109 ISYSCON(V)4 systems, post-deployment software support, training, Contractor Field Support Representative (CFSR), fielding and training of new Objective Initialization Capability (OIC), and the upgrade/maintenance of the OIC to support emerging Battle Command requirements.

FY08 Baseline \$9.215 Million  
 FY08 GWOT \$12.400 Million  
 FY08 Total \$21.615 Million

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: Tactical Internet Manager (B93900)			Weapon System Type:		Date: September 2007			
<b>OPA2 Cost Elements</b>	ID	<b>FY 06</b>			<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
	CD	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
<b>FY08 GWOT (TIMS)</b>													
Laptops (Hardware/Software)								872	109	8			
Initial and Repair Spares (HW only)								75					
New Equip Training/CFSR support								1787					
Other (PDSS)								1324					
Objective Initialization Capability								8342					
<b>GWOT Total</b>								<b>12400</b>					
<b>FY08 Base (TIMS)</b>													
Other (PDSS)								3663					
Govt Engineering								1885					
Contractor Log Support/Training								3667					
<b>Base Total</b>								<b>9215</b>					
<b>Total:</b>								<b>21615</b>					

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:		P-1 Line Item Nomenclature: Tactical Internet Manager (B93900)						
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>FY08 GWOT (TIMS)</b> FY 2008	GTSI Chantilly, Va.	IDIQ	Ft. Monmouth, NJ	Jul 08	Aug 08	109	8			

REMARKS: Commercial off the shelf program.  
The above hardware is purchased through an Army-wide Information Technology Enterprise System (ITES) contract

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
MANEUVER CONTROL SYSTEM (MCS) (BA9320)

Program Elements for Code B Items:  
PE 0203740A Project 484

Code: B

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				178.7							178.7
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				178.7							178.7
Initial Spares											
Total Proc Cost				178.7							178.7
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The Maneuver Control System (MCS) is an automated tactical Command, Control and Communications (C3) system that provides a network of computer terminals and servers to process combat information for battle staffs. It provides automated assistance in the collection, storage, review and display of information to support the commander's decision process. Both text and map graphics are provided to the user. It enables operation staffs (G3/S3) to process and distribute situational awareness, estimates, plans, orders and reports. The system is designed to operate with existing and planned communications networks and will equip the Force with key elements of the Battle Command Common Services infrastructure.

MCS is an essential component of the Army Battle Command System (ABCS) and provides critical coordination among Battlefield Functional Areas (BFAs) within each echelon. MCS provides the Common Operational Picture (COP) software supporting battlefield situation display for all ABCS BFAs. The COP depicts information provided by all the BFAs and includes a Situation Map, control measures, Intelligence and Electronic Warfare graphics, Fire Support graphics, combat service support location information, air corridors and air defense weapons control information. MCS will provide the web services and portal capabilities as it integrates the current Information Dissemination Manager-Tactical (IDM-T) system.

The MCS system will equip the force with an automated C2 capability. This program is an integral part of the ABCS and is critical to the successful operation of that overall system. This generation of computers will incorporate advances in technology and achieve Life Cycle Cost savings due to commonality of support.

Command Post of the Future (CPOF) capabilities are covered under this activity in support of MCS operational requirements. Command Post of the Future (CPOF) is a technical insertion into the Maneuver Control System. It is an executive level decision support system that provides situational awareness and collaborative tools to support decision making, cross functional planning, rehearsal and execution. Team members share workspaces that embody their thinking about the current situation and collaborate to create a rich multi-perspective and shared operational picture.

**Justification:**

FY 2008 GWOT dollars are for hardware, fielding and support to prosecute the Global War on Terror. These funds provide MCS capability and modularity to the force to include Echelons above Division units assigned to the Army Service Component Command (ASCC).

FY08 Baseline-\$120.767 Million Qty-533

FY08 GWOT- \$57.905 Million Qty- 3964

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
MANEUVER CONTROL SYSTEM (MCS) (BA9320)

Program Elements for Code B Items:  
PE 0203740A Project 484

Code: B

Other Related Program Elements:

FY08 Total-\$178.672 Million

OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
FY 2008 Baseline													
Work Stations							2607	533	4.891				
Training Base Hardware & Upgrades							946						
Peripherals (Servers, Storage Devices)							5119						
CPOF							84081						
Project Management							4523						
Fielding: (Initial Trainers Fielders, and Field Support Teams)							15792						
Software Licenses and Support							5667						
Other: CTSF Support							2032						
<b>Subtotal FY08 Baseline</b>							<b>120767</b>						
FY 2008 GWOT													
MCS Workstations for Echelons above Div							19391	3964	4.892				
Peripherals: (Servers)							26632						
MCS Workstation Spares							2118						
Software Licenses							1625						
Fielding: (Trainers, Initial Fielders)							7942						
Other: (Shipping)							197						
<b>Subtotal FY08 GWOT</b>							<b>57905</b>						
<b>Total:</b>							<b>178672</b>						

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment			Weapon System Type:		P-1 Line Item Nomenclature: MANEUVER CONTROL SYSTEM (MCS) (BA9320)					
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>FY 2008 Baseline</b> <b>FY 2008 GWOT</b> FY 2008	Army Small Computer Program Ft Monmouth, NJ	ID/IQ	Fort Monmouth, NJ	Jun 08	Dec 08					

REMARKS:

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

Date: September 2007

Appropriation / Budget Activity / Serial No: P-1 Item Nomenclature  
 Other Procurement, Army / 2 / Communications and Electronics Equipment Single Army Logistics Enterprise (SALE) (W10801)

Program Elements for Code B Items: Code: Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				606.8							606.8
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				606.8							606.8
Initial Spares											
Total Proc Cost				606.8							606.8
Flyaway U/C											
Weapon System Proc U/C											

**Description:**  
 The Single Army Logistics Enterprise (SALE) provides every unit in the Army with modern, net-centric logistics computers to sustain and maintain their forces. SALE enables the force to request, receive, store, issue, maintain and manage the property and materiel they need for training and warfighting. Global Combat Support System-Army (GCSS-Army) has two components: a functional component in the hands of soldiers (GCSS-Army (Field/Tactical)) and a technology enabler (GCSS-Army Product Life-Cycle Management Plus (PLM+)). GCSS-Army (F/T) and GCSS-Army (PLM+) give the Army an enterprise-wide set of applications and services to replace stand-alone computers in warfighting units and provides net-centric interfaces to external systems while enabling master data management of the Army's logistics information. Together these programs implement best business practices to streamline supply, accountability, maintenance, distribution, and reporting procedures in support of the Future Force transition path of the Army Campaign Plan.

**Justification:**  
 FY08 baseline procures and fields computers for life cycle and transformation replacements for CSS that are essential for day-to-day operations of the Army. FY08 also procures hardware/licenses for emerging CSS systems including GCSS-A, PLM+, and Electronic Military Personnel Office (e-MILPO).

FY08 Global War on Terrorism (GWOT) funding will procure additional assets to reset items, replace battle losses, generate and protect forces, and enhance military capabilities.

FY08 Global War on Terrorism Cost Adjustment will continue to procure assets to reset items, replace battle losses, generate and protect forces, and enhance military capabilities.

FY08 Base \$ 53.563 million  
 FY08 GWOT \$552.520 million  
 FY08 GWOT Cost Adjustment \$.750 million  
 FY08 Total \$606.833 million

(\$76.931 Million dollars in the total GWOT Request are excess to needs )

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
STAMIS TACTICAL COMPUTERS (STACOMP) (W00800)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				603.6							603.6
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				603.6							603.6
Initial Spares											
Total Proc Cost				603.6							603.6
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

Standard Army Management Information System (STAMIS) Tactical Computers (STACOMP) is a family of 135,000 Commercial Off-the-Shelf (COTS) computer systems supporting logistics requirements in every unit across the Army. These battlefield computers enable units to request, receive, store, issue, maintain and manage Army property and materiel during training and war. STACOMP supports the life cycle replacement of existing logistics computers: Standard Army Retail Supply System (SARSS), Standard Army Ammunition System (SAAS), Standard Army Maintenance System (SAMS), Unit Level Logistics System (ULLS), and Property Book Unit Supply Enhanced (PBUSE) as well as Global Combat Support System Army (GCSS-Army). The STAMIS computers are experiencing shortfalls in deploying modular forces, fielding to deploying reserve and national guard forces, GWOT (Global War on Terror) shortages and Stay Behind Equipment (SBE) losses.

**Justification:**

FY08 Base procures and fields COTS computers to continue legacy replacement hardware and STAMIS support systems. It also procures HRS data servers, web servers, communications equipment, data entry devices, storage upgrades and other network componenets, and performs Post Deployment Software Support (PDSS).

FY08 Global War on Terrorism (GWOT) funding procures and fields COTS computers to warfighting units and replaces combat losses in deploying Active Army, Army Reserve, and Army National Guard units.

FY08 Global War on Terrorism Cost Adjustment procures and fields COTS computers to warfighting units.

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: STAMIS TACTICAL COMPUTERS (STACOMP) (W00800)			Weapon System Type:			Date: September 2007					
OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09				
		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		
<b>BASE</b>															
SAARS/SAMS/SAAS/PBUSE								28354							
STAMIS Support Fielding/Training								2850							
GCSS-Army F/T Hardware and Software								14864							
eMILPO Hardware								4259							
<b>BASE Total</b>								<b>50327</b>							
<b>GWOT</b>															
COTS Computers w/various configs								254160							
STAMIS Hardware Replacement								298360							
<b>GWOT Total</b>								<b>552520</b>							
<b>GWOT Cost Adjustment</b>															
SARSS								125		28		4			
SAAS								500		41		12			
PBUSE								125		25		5			
<b>GWOT Cost Adjustment Total</b>								<b>750</b>							
<b>Total:</b>								<b>603597</b>							

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: STAMIS TACTICAL COMPUTERS (STACOMP) (W00800)								
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>BASE</b>										
<b>SAARS/SAMS/SAAS/PBUSE</b>										
FY 2008	GTSI Chantilly, VA	C/FP	ITEC4, Alexandria, VA	Mar 08	Apr 08			YES		
<b>GCSS-Army F/T Hardware and Software</b>										
FY 2008	Various	C/FP	ITEC4, Alexandria, VA	Dec 07	Jan 08			YES		
<b>eMILPO Hardware</b>										
FY 2008	EDS Herndon, VA	C/FP	ITEC4, Alexandria, VA	Nov 07	Jan 08			YES		
<b>GWOT</b>										
<b>COTS Computers w/various configs</b>										
FY 2008	GTSI Chantilly, VA	IDIQ	ITEC4, Alexandria, VA	TBD	TBD					
<b>STAMIS Hardware Replacement</b>										
FY 2008	GTSI Chantilly, VA	IDIQ	ITEC4, Alexandria, VA	TBD	TBD					
<b>GWOT Cost Adjustment</b>										
<b>COTS Computers w/various configs</b>										
FY 2008	GTSI Chantilly, VA	IDIQ	ITEC4, Alexandria, VA	TBD	TBD					
<b>STAMIS Hardware Replacement</b>										
FY 2008	GTSI Chantilly, VA	IDIQ	ITEC4, Alexandria, VA	TBD	TBD					

REMARKS: Standard Requirements Type Contract will be used to procure these COTS microcomputers.

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
AUTOMATED DATA PROCESSING EQUIP (BD3000)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				130.7							130.7
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				130.7							130.7
Initial Spares											
Total Proc Cost				130.7							130.7
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

This program supports the Army's sustaining base automation systems. The Army's primary sustaining base Information Management (IM) goal is to provide information services for the sustainment and readiness of the forces at minimum cost.

**Justification:**

FY 2008 Global War on Terrorism (GWOT) funding procures hardware and communications equipment due to increased requirements in support of the GWOT.

FY 2008 Base Appropriation - \$120.732 million  
 FY 2008 GWOT - \$9.949 million  
 FY 2008 Total - \$130.681 million

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: AUTOMATED DATA PROCESSING EQUIP (BD3000)			Weapon System Type:			Date: September 2007		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 06</b>			<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
		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
<b>FY 2008 BASE</b>													
Optical Digital Equipment	A							4109					
Strategic Logistic Program	A							2965					
Reserve HQ Automation	A							1027					
HQ Management Information Systems	A							33589					
MACOM Automation Systems	A							35673					
Personnel Automation Systems	A							43369					
<b>FY 2008 BASE Total</b>								<b>120732</b>					
<b>FY 2008 GWOT</b>													
Army Knowledge Online (AKO) Hardware/Software/ Program Management	A							9949					
<b>FY 2008 GWOT Total</b>								<b>9949</b>					
<b>Total:</b>								<b>130681</b>					

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
MACOM AUTOMATION SYSTEMS (BE4162)

Program Elements for Code B Items:			Code:		Other Related Program Elements:						
	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				45.6							45.6
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				45.6							45.6
Initial Spares											
Total Proc Cost				45.6							45.6
Flyaway U/C											
Weapon System Proc U/C											

**Description:**  
**ARMY COMPUTING INFRASTRUCTURE:** This program supports installation and modernization of classified and unclassified communications and computing infrastructure to support the delivery of Enterprise-wide common user Information Technology (IT) services. This includes the critical last 100 yards that connect users at all levels to the high speed worldwide networks needed to sustain a reliable, interoperable enterprise infostructure for access to Army Knowledge Portals and to support power projection and Army Modular Forces. These capabilities are essential to support a strategically responsive and dominant force and are needed to make critical information available to the warfighter in both garrison and deployed locations. Classified networks provide secure connectivity for daily interface with United States Pacific Command (USPACOM), Joint Task Forces, and other Commands for joint collaborative planning and exercises, and access to Global Command and Control System (GCCS), classified command web pages and SECRET Defense Message System. Modernization of the infrastructure includes creation of Army Area Processing Centers (APCs). These APCs will provide server hosting, mail services, Storage Area Networks, enclave security, automated patching, automatic Information Assurance Vulnerability Alert (IAVA) scanning, encryption of data at rest, network access control and a service desk providing Network Operations (NetOps) services for those servers and network components. The APCs provide reach-back capabilities for the Warfighter as well as supporting requirements for Base Realignment and Closure (BRAC) and restationing.

**INSTALLATION SUPPORT MODULES (ISM):** ISM are software applications that have been developed and standardized to perform selected business functions at the installation or garrison level. These modules are based upon the functional processes accomplished by the installation staff. The ISM system was recently migrated to a web environment that utilizes a single, centralized, replicated database to store data for the entire Army. The web server architecture supports a graphical user interface, web-based user access, and a consolidated infostructure in accordance with the Army Knowledge Management (AKM) Strategic Plan. This modernized system enables the Army Installation Management community to provide simple web-enabled software applications for soldier processing and ready and relevant information to the commander while transparently integrating multiple complex processes for soldiers, commanders, and top of the system managers. ISM consists of five discrete modules focusing on activities including in/out processing of soldiers, personnel locator services, soldier transition processing, management of soldier educational records, management of organizational clothing and individual equipment. The Theater Network Operations and Security Center (TNOSC) at Ft. Huachuca manages the ISM network, performs the Network and Systems Management (NSM) functions, provides general system configuration control, operates a 24-hours-a-day/7-days-a-week Helpdesk, provides user account management, and performs automated backups for ISM devices located at Army installations.

**ARMY CONCEPT DEVELOPMENT AND EXPERIMENTATION CAMPAIGN PLAN (ACDEP):** This program will fund the Battle Lab Collaborative Simulation Environment (BLCSE), a network designed to enable an integrated approach to experimentation and allow subject matter experts to participate in experiments from their home sites. The Army requires BLCSE to facilitate

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: September 2007
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Item Nomenclature MACOM AUTOMATION SYSTEMS (BE4162)
Program Elements for Code B Items:	Code:	Other Related Program Elements:
<p>networking to coordinate Future Force, a coherently Joint Force, developments to link distributed environments with other services, combatant commanders, allied nations, and other various agencies. BLCSE links Training and Doctrine Command (TRADOC) Schools and Centers of Excellence with other key combat developers including US Joint Forces Command (JFCOM), the TRADOC Analysis Center (TRAC), Army Materiel Command Research, Development and Engineering Command (RDECOM), and the Future Combat System (FCS) Lead Systems Integrator (LSI). The BLCSE is a federation of proven constructive and virtual simulations that provides a persistent, secure, distributed environment for experimentation. BLCSE utilizes certified, Defense Planning Guidance (DPG) compliant scenarios and authoritative data from the Army Material System Analysis Activity (AMSAA) to ensure quantifiable, efficient analyses underpinning major Army program decisions. BLCSE supports the Army Capabilities Integration Center (ARCIC) mission to design, develop, and integrate into a joint warfighting environment, from concept to capability, all aspects of the future force, and supports the development and integration of Joint and Army concepts, architecture and Doctrine, Organization, Training, Material, Leadership, Personnel, and Facilities (DOTMLPF) capabilities, and validation of science and technology priorities. This network also ensures TRADOC and Army Test and Evaluation Command (ATEC) efficiencies by eliminating the need for redundant or repeated testing.</p> <p>US ARMY TRAINING AND DOCTRINE COMMAND (TRADOC) INSTITUTIONAL ARMY BATTLE COMMAND SYSTEM (ABCS) TRAINING BASE: The ABCS is the principal digital command and control system for battlefield commanders from battalion to corps. ABCS consists of Global Command and Control System - Army (GCCS-A), Advanced Field Artillery Tactical Data System (AFATDS), All Source Analysis System (ASAS), Battle Command Sustainment Support System (BCS3), Army Missile Defense Warning System (AMDWS), Maneuver Control System (MCS), Force XXI Battle Command Battalion/Brigade and Below (FBCB2), and Tactical Airspace Information System (TAIS). This program enables future commanders, battle staff, and soldiers to exploit new digital command and control capabilities on the battlefield. It also produces soldiers with the skills, knowledge, and attributes needed to operate and maintain the different pieces of digital equipment. This program directly responds to the overall Army Transformation process to include the Global War on Terrorism (GWOT), the Army Modular Force (AMF), the Army Force Generation Model (ARFORGEN), and the Future Combat System acquisition by addressing digital training requirements related to FBCB2 and Maneuver Control System-Light (MCS-L). An institutional Battle Command Training and Deployable Server (BCT&amp;DS) capability is integral to the program and will support active ARNG and USAR digital training requirements in TRADOC schools and training centers and select reserve component locations to create a networked ABCS learning environment.</p> <p><b>Justification:</b> DESCRIPTION (CONT'D) NETWORK ENTERPRISE TECHNOLOGY COMMAND (NETCOM)/9TH ARMY SIGNAL COMMAND (ASC) WORLD-WIDE SUPPORT MISSION: This program provides the ability for Combatant Commanders to collaborate with their respective Service Component Commands, Defense Information System Agency (DISA), Joint Tactical Forces (JTFs), and US Space Command to create and maintain a Network Common Relevant Operational Picture (NETCROP). The NETCROP provides the ability for the Combatant Commanders, Service Components, Sub-unified Commands, JTFs, and deployed forces to rapidly identify outages and degradations, network attacks, mission impacts, Command, Control, Communications, and Computers (C4) shortfalls, operational requirements, and problem resolutions at the strategic, operational, and tactical levels and obtain relevant situational understanding of the impacts. The Army NETCROP is an integrated capability that receives, correlates, and displays a view of voice, video and data telecommunications networks, systems, and critical applications at the installation/tactical, region, theater, and global levels through the installations/deployed tactical forces, Network Service Centers (NSCs), Theatre Network Operations and Security Centers (TNOSC), and the Army Global Network Operations and Security Center (A-GNOSC). NETCOM mission includes the ability to assess the impact of network or system outages and manage the infostructure in such a manner as to maximize the warfighter access to the Global Information Grid (GIG).</p> <p>ARMY KNOWLEDGE MANAGEMENT: This program implements the Army Knowledge Online (AKO) and Army Knowledge Online-Secret Internet Protocol Router (SIPR) (AKO-S) to provide premier Enterprise web portal functions, tools, and services to the warfighter, institution, and greater Army community which includes military, civilian, and the retiree population totaling more than 1.8 million users. It enables transformation, efficiency, and greater connectivity among soldiers, Army families and the Army workforce. It provides a single Army portal for authenticating users accessing Army Enterprise systems and subportals. Services provided by the AKO portal include webmail, Knowledge Collaboration Centers (KCC), forum capabilities, groups (to publish information, create homepage, send emails to a group), instant messaging, and chat rooms. Additionally, AKO supports the infrastructure for the U.S. Army Homepage as the Secretary of the Army's public web presence for disseminating public information and telling the Army story. AKO and AKO-S allow the Army to complete high priority, high payoff initiatives, that offer</p>		

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: September 2007
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Item Nomenclature MACOM AUTOMATION SYSTEMS (BE4162)
Program Elements for Code B Items:	Code:	Other Related Program Elements:
<p>efficiencies and improvements in Army mission support and reduce operations and maintenance costs. The Army leverages these services to re-engineer business processes to reduce redundancy, to eliminate stove-pipe applications, and to reduce duplicative IT resources.</p> <p>PAPERLESS CONTRACTING STANDARD PROCUREMENT SYSTEM (SPS): The Army Contracting Agency serves as functional proponent for SPS, one of the Army paperless contracting systems that provides standard contacting capability consistent with the Army and DoD business system architecture. With an excess of 350 servers supporting contracting, transformation of the Army SPS footprint is necessary to conform with the AKM memorandum mandating server consolidation and reduction by 30-50% at Army installations. This program supports procurement and contracting business systems that capture and report data at every installation and contingency contracting activity to Congress, DoD, and Army.</p> <p>ARMY KNOWLEDGE ONLINE (AKO): AKO and AKO-Secret (AKO-S) provide premier enterprise web portal functions, tools, and services, which are critical to deployed unit operations, morale of the warfighter, and the greater Army community, to include family members. It is the single Army Portal for authenticating users with Single Sign On (SSO), an information assurance initiative that utilizes the DoD-mandated Common Access Card (CAC), and provides deployed Soldier and unit access to Army enterprise systems, community pages, shared files, instant messenger, video messaging, data storage, business applications, and document collaboration to conduct key operations. It also provides the deployed warfighters connectivity to Family Readiness Groups to promote family cohesion, self-sufficiency, and reduce stress on both the Soldier and the family. In addition, AKO-Forward (AKO-F) provides a forward deployed platform to better support soldiers in South West Asia and provides the infrastructure to support command and control (C2) applications for forces in theatre. AKO-S facilitates the immediate transfer of classified information and provides a means to disseminate captured documents to translators on the Secret Internet Protocol Router Network (SIPRNET).</p> <p><b>JUSTIFICATION</b>  FY 2008 Baseline:  ARMY COMPUTING INFRASTRUCTURE procures the means to engineer, furnish, install and test two additional APCs at Defense Enterprise Computing Centers (DECC) and major equipment such as Foundry switches, Tactical FASTLANE (TACLANE) encryptors, and Communications Security (COMSEC) safes for the classified Local Area Network (LAN) backbone. ISM procures data and web servers and program management. ACDEP procures BLCSE infrastructure, communications links, collaborative tools and distributed execution of models and simulations to support ACDEP events. ABCS procures a turn-key training system infrastructure to conduct automated institutional training via a virtual, online, integrated system of audio/visual learning management, and control tools. NETCOM ASC WORLD-WIDE SUPPORT MISSION procures servers (including the common adaptor sets), Enterprise server consoles, and Secret and Below Interfaces (SABI). AKM procures the means to engineer, furnish, install, test, and consolidate servers (e-mail, web, print, file), storage devices, and Non-Secure Internet Protocol Router Network (NIPRNET) and Secret Internet Protocol Router Network (SIPRNET) equipment to ensure an enterprise infrastructure for the Army Portal in accordance with the Army Knowledge Management (AKM) Strategic Plan and support mission requirements. SPS procures hardware, software licenses, database migration and upgrades, and Continuity of Operations (COOP) to support the first phase of server consolidation implementation at nine contracting activities.</p> <p>FY 2008 GWOT funding procures proxy servers, directory servers, supporting network switch cards, network interface connectors, cables, and program management to reengineer the AKO Lightweight Directory Access Protocol (LDAP), a user directory service, to accommodate the accelerated growth rate and functionality of the Army AKO portal. AKO provides SSO capabilities for 220 applications accessible through the Army portal and security authentication services for an additional 430 applications. AKO email usage supports upwards of 11 million messages per day and continues to grow exponentially as more troops are deployed.</p>		

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Line Item Nomenclature: MACOM AUTOMATION SYSTEMS (BE4162)					Weapon System Type:			Date: September 2007		
OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
<b>FY 2008 BASE</b>													
Army Computing Infrastructure													
Army-wide Hardware/Software	A							25145					
Installation Support Modules													
(ISM) Hardware/Software	A							512					
Army Concept Development													
Experimentation Campaign Plan													
(ACDEP) Hardware/Software	A							1109					
TRADOC Institutional Army Battle													
Command System (ABCS)													
Training Base Hardware/Software	A							1213					
Network Enterprise Technology													
Command (NETCOM) World													
Wide Support Mission													
Hardware/Software	A							682					
Army Knowledge Management													
(AKM) Hardware/Software/ Program Management	A							5700					
Paperless Contracting Standard													
Procurement System													
(SPS) Hardware/Software	A							1312					
<b>FY 2008 BASE Total</b>								<b>35673</b>					
<b>FY 2008 GWOT</b>													
Army Knowledge Online (AKO)													

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: MACOM AUTOMATION SYSTEMS (BE4162)			Weapon System Type:			Date: September 2007			
OPA2 Cost Elements	ID	FY 06			FY 07			FY 08			FY 09		
	CD	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
Hardware/Software/Program Management	A							9949					
<b>FY 2008 GWOT Total</b>								<b>9949</b>					
<b>Total:</b>								<b>45622</b>					

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: MACOM AUTOMATION SYSTEMS (BE4162)								
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>FY 2008 BASE</b>										
<b>Army Computing Infrastructure</b>										
<b>Army-wide Hardware/Software</b>										
FY 2008	TBS	C/FP	TBS	VAR	VAR			YES		
<b>Installation Support Modules</b>										
<b>(ISM) Hardware/Software</b>										
FY 2008	TBS	C/FP	TBS	VAR	VAR			YES		
<b>Army Concept Development</b>										
<b>Experimentation Campaign Plan</b>										
<b>(ACDEP) Hardware/Software</b>										
FY 2008	TBS	C/FP	TBS	VAR	VAR			YES		
<b>TRADOC Institutional Army Battle</b>										
<b>Command System (ABCS)</b>										
<b>Training Base Hardware/Software</b>										
FY 2008	TBS	C/FP	TBS	VAR	VAR			YES		
<b>Network Enterprise Technology</b>										
<b>Command (NETCOM) World</b>										
<b>Wide Support Mission</b>										
FY 2008	TBS	C/FP	TBS	VAR	VAR			YES		
<b>Army Knowledge Management</b>										
<b>(AKM) Hardware/Software/</b>										
FY 2008	TBS	C/FP	TBS	VAR	VAR			YES		
<b>Paperless Contracting Standard</b>										
<b>Procurement System</b>										
<b>(SPS) Hardware/Software</b>										
FY 2008	TBS	C/FP	TBS	VAR	VAR			YES		
<b>FY 2008 GWOT</b>										
<b>Army Knowledge Online (AKO)</b>										
<b>Hardware/Software/Program Management</b>										
FY 2008	TBS	C/FP	TBS	VAR	VAR			YES		

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: MACOM AUTOMATION SYSTEMS (BE4162)								
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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
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REMARKS: TBS - To Be Selected  
VAR - Multiple contracts awarded/delivered throughout the year

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
CSS COMMUNICATIONS (BD3501)

Program Elements for Code B Items: Code: Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				227.9							227.9
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				227.9							227.9
Initial Spares											
Total Proc Cost				227.9							227.9
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

This program supports the Army's battlefield logistic communication requirements under two programs:

COMBAT SERVICE SUPPORT AUTOMATION INFORMATION SYSTEM INTERFACE (CAISI): CAISI is an interface device providing a means for Combat Service Support (CSS) users to transmit data in a secure mode in the tactical environment. CAISI can interface with the Mobile Subscriber Equipment (MSE), tactical radio, commercial satellite, and garrison local area network. It adds connectivity to the battlefield and is the backbone of the Sensitive But Unclassified (SBU) network supporting the CSS automation community on the battlefield. CAISI will allow Combat troops to communicate real-time logistics information to reach-back commands. CAISI will allow the implementation of the Army's Connect the Logistician Program.

COMBAT SERVICE SUPPORT SATELLITE COMMUNICATIONS (CSS SATCOM): CSS SATCOM uses commercial satellite technology to deliver a satellite-based, global, wide area data network supporting current and future CSS information systems in the logistics, personnel and medial domains. Key aspects of the CSS SATCOM network include: Fully Internet Protocol (IP) based connection to the Defense Department's Non-secure Internet Protocol Router Network (NIPRNET); data transport up to sensitive unclassified level; remote satellite terminals (also called Very Small Aperture Terminals (VSAT)) are Soldier owned and operated by CSS units; four commercially owned, contractor operated teleports provide worldwide coverage; a 7/24/365 commercial network management center and helpdesk located in the Continental United States (CONUS) manages the CSS SATCOM Network. CSS SATCOM is essential to the Connect the Logistician Program.

**Justification:**

FY080 Baseline procures hardware and integration of CAISI modules to enable Combat troops to communicate real-time logistics information to reach-back commands and provide LAN capability for CSS units across the Army.

FY08 Global War on Terrorism (GWOT) funding procures hardware and integration of CAISI modules and CSS SATCOM terminals that enable Combat troops to communicate real-time logistics information to reach-back commands and are critical components of the Army Connect the Logistician program. Additionally, the GWOT funding procures the associated costs of fielding new equipment, training, and additional infrastructure associated with supporting deployable Army forces worldwide.

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

Date:

September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics EquipmentP-1 Item Nomenclature  
CSS COMMUNICATIONS (BD3501)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

FY08 Global War on Terrorism Supplemental Cost Adjustment funds additional VSATs and required infrastructure to support the VSATs and; additional CAISI capability that will provide warfighters with a more sustainable product in support of their war efforts.

FY08 Base Appropriation: \$32.955 Million  
FY08 GWOT: \$145.380 Million  
FY08 GWOT Cost Adjustment: \$49.595 Million  
FY08 Total: \$227.930 Million

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: CSS COMMUNICATIONS (BD3501)			Weapon System Type:		Date: September 2007				
OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
<b>Base</b>													
Info System Interface (CAISI)								12002					
Sat Communications (CSS SATCOM)								20953	187	112			
<b>Base Total</b>								<b>32955</b>					
<b>GWOT</b>													
Info System Interface (CAISI)								69928					
Sat Communications (CSS SATCOM)								75452	674	112			
<b>GWOT total</b>								<b>145380</b>					
<b>GWOT Cost Adjustment</b>													
Info System Interface (CAISI)								25911					
Sat Communications (CSS SATCOM)								23684					
<b>GWOT Cost Adjustment total</b>								<b>49595</b>					
<b>Total:</b>								<b>227930</b>					

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
CAISI (BD3512)

Program Elements for Code B Items: Code: Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				107.8							107.8
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				107.8							107.8
Initial Spares											
Total Proc Cost				107.8							107.8
Flyaway U/C											
Weapon System Proc U/C											

**Description:**  
COMBAT SERVICE SUPPORT AUTOMATION INFORMATION SYSTEM INTERFACE (CAISI) is an interface device providing a means for Combat Service Support (CSS) users to transmit in a secure mode in the tactical environment. CAISI can interface with the Mobile Subscriber Equipment (MSE), tactical radio, commercial satellite, and garrison local area network. It adds connectivity to the battlefield and is the backbone of the Sensitive But Unclassified (SBU) network supporting the CSS automation community on the battlefield.

**Justification:**  
FY08 Base procures hardware and support to integrate CAISI modules enabling the communication of real-time logistics information.  
  
FY08 Global War on Terrorism (GWOT) funding procures hardware and integration of CAISI modules that enable Combat troops to communicate real-time logistics information to reach-back commands and is a critical component of the Army Connect the Logistician program.  
  
FY08 Global War on Terrorism Supplemental Cost Adjustment funds the procurement of additional CAISI capability required to satisfy prioritized requirement for deployers. Additionally, procurement allows system to be provided to the institutional training base in sufficient quantities for inclusion into the TRADOC Programs of Instruction (POI), thus, enabling a quicker migration from the current version 1.1 to the enhanced and robust capability provided by version 2.0. This will provide the warfighter a more sustainable product that will enhance their direct support of GWOT.

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: CAISI (BD3512)			Weapon System Type:			Date: September 2007		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 06</b>			<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
		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
<b>Base</b>													
System Support Rep Kit Hardware	A							3000	150	20			
CAISI Bridge Module Hardware	A							6192	1032	6			
PM Support	A							2810					
<b>Base Total</b>								<b>12002</b>					
<b>GWOT</b>													
System Support Rep Kit Hardware	A							18880	944	20			
CAISI Bridge Module Hardware	A							51048	8508	6			
<b>GWOT Total</b>								<b>69928</b>					
<b>GWOT Cost Adjustment</b>													
System Support Rep Kit Hardware	A							2400	200	12			
CAISI Bridge Module Hardware	A							18000	3000	6			
PM Support	A							5511					
<b>GWOT Cost Adjustment Total</b>								<b>25911</b>					
<b>Total:</b>								<b>107841</b>					

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

Date:  
September 2007

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>Base</b> FY 2008	TBS TBS	TBS	CECOM, FORT MONMOUTH, NJ	TBD	TBD					
<b>GWOT</b> FY 2008	TBS TBS	TBS	CECOM, FORT MONMOUTH, NJ	TBD	TBD					
<b>GWOT Cost Adjustment</b> FY 2008	TBS TBS	TBS	CECOM, FORT MONMOUTH	TBD	TBD					

REMARKS:

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
CSS SATCOM (BD3513)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				120.1							120.1
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				120.1							120.1
Initial Spares											
Total Proc Cost				120.1							120.1
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

COMBAT SERVICE SUPPORT SATELLITE COMMUNICATIONS (CSS SATCOM) uses commercial satellite technology to deliver a satellite-based, global, wide area data network supporting current and future CSS information systems. Key aspects of the CSS SATCOM network include: Fully Internet Protocol (IP) based connection to the Non-secure Internet Protocol Router Network (NIPRNET) (Sensitive But Unclassified (SBU) Transport & Encryption); remote satellite terminals (Very Small Aperture Terminal (VSAT)) owned and operated by CSS units; four regional teleports provide global coverage; single commercial network management center and helpdesk in the Continental United States (CONUS). The CSS SATCOM System provides the Modified Table of Organization and Equipment (MTOE) for deployable CSS forces.

**Justification:**

FY08 Base procures satellite terminals, critical infrastructure equipment, fielding and new equipment training costs associated with the deployment of remote satellite terminals to Combat Service Support units Army wide.

FY08 Global War on Terrorism (GWOT) funding for CSS SATCOM System procures 673 remote satellite terminals. Additionally, the GWOT funding procures the associated costs of fielding, new equipment training, additional infrastructure equipment, and other critical requirements associated with supporting deployable Army forces worldwide. The unit costs not only reflect the remote satellite terminal and standard related infrastructure costs, but also needed upgrades to Information Assurance and network performance related hardware and software costs.

FY08 Global War on Terrorism Supplemental Cost Adjustment funding enables the procurement of additional 263 VSATs; required infrastructure costs to support adding 263 VSATs to the current fleet; fielding, shipping and new equipment training; travel supporting fielding and new equipment training.

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: CSS SATCOM (BD3513)			Weapon System Type:			Date: September 2007		
<b>OPA2 Cost Elements</b>	ID	<b>FY 06</b>			<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
	CD	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
<b>BASE</b>													
VSATs								20953	187	112			
<b>GWOT</b>													
VSATs								75452	673	112			
<b>GWOT Cost Adjustment</b>													
VSATs								23684	263	90			
<b>Total:</b>								<b>120089</b>					

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

Date:  
September 2007

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	
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:		P-1 Line Item Nomenclature: CSS SATCOM (BD3513)							
<b>BASE</b> FY 2008	TBS WWSS CONTRACTORS Fort Monmouth, NJ	IDIQ	CECOM, FORT MONMOUTH, NJ	TBD	TBD	187	112	YES			
<b>GWOT</b> FY 2008	TBS WWSS CONTRACTORS Fort Monmouth, NJ	IDIQ	CECOM, FORT MONMOUTH, NJ	TBD	TBD	673	112	YES			
<b>GWOT Cost Adjustment</b> FY 2008	TBS WWSS CONTRACTORS Fort Monmouth, NJ	IDIQ	CECOM, FORT MONMOUTH	TBD	TBD	263	90	YES			

REMARKS: The VSATs purchased with the FY08 GWOT Cost Adjustment have a lower unit cost based on efficiencies gained through producing increased quantities of VSATs. The CSS SATCOM Program office gains economies of scale by procuring, fielding, and training in larger quantities.

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
WARLOCK (VA8000)

Program Elements for Code B Items: Code: Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				34.0							34.0
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				34.0							34.0
Initial Spares											
Total Proc Cost				34.0							34.0
Flyaway U/C											
Weapon System Proc U/C											

**Description:**  
The WARLOCK family of Electronic Counter Measure (ECM) systems is used to provide force protection. The WARLOCK family of systems currently in production/fielded includes Increment I systems: WARLOCK Reds, (W-L R), WARLOCK Greens (W-L G), WARLOCK Blues (W-L Blue), Warlock LXs, IED (Improvised Explosive Devices) Countermeasure Equipment (ICE), Mobile Multi-Band Jammers (MMBJ) and the Counter Radio Controlled Improvised Explosive Devices (RCIED) Electronics Warfare CREW-2/Increment II system, a.k.a Warlock-Duke. WARLOCK is designed to protect personnel, vehicle convoys and provide gate security from Radio Controlled Improvised Explosive Devices (RCIEDs).

**Justification:**  
FY08 Global War on Terrorism (GWOT) Cost Adjustment: Procures CREW-2 A-Kits.

FY08 Base: \$0  
 FY08 Main: \$0 million  
 FY08 Cost Adjustment \$34.000 million  
 FY08 Total: \$34.000 million

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: WARLOCK (VA8000)			Weapon System Type:			Date: September 2007			
<b>OPA2 Cost Elements</b>	ID	<b>FY 06</b>			<b>FY 07</b>			<b>FY 08</b>			<b>FY 09</b>		
	CD	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
GWOT Cost Adjustment								34000					
CREW/Warlock													
GWOT													
<b>Total:</b>								<b>34000</b>					

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:		P-1 Line Item Nomenclature: WARLOCK (VA8000)							
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>GWOT Cost Adjustment</b> FY 2008	TBD	TBD									

REMARKS: There is no funding in baseline for CREW/Warlock.

FY08 GWOT: Funds will be used to replace battle loss and field support equipment based upon a mix of forces and theater requirements/adjustments.

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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
SEQUOYAH FOREIGN LANGUAGE TRANSLATION SYSTEM (B88605)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				12.8							12.8
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				12.8							12.8
Initial Spares											
Total Proc Cost				12.8							12.8
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The mission of Sequoyah is to produce systems that provide accurate and timely automated two-way speech, text, and broadcast foreign language translation capabilities to the warfighter at all echelons. These systems will be used to augment the critical shortage of translators in regions of the world where English is not spoken. The systems provide a quick response capability for a multitude of languages and dialects. There are 225 strategically relevant languages and not enough translators, interpreters or linguists to meet our National Defense Policy's needs. These systems support all phases of joint, interagency, multi-national, and homeland security operations from planning and initial entry through re-deployment. Sequoyah will be the Department of Defense's provider of Machine Foreign Language Translation Products and is an integral part of Army Transformation, providing translation products to the Future Combat System (FCS), Distributed Common Ground System (DCGS), Ground Soldier System (GSS) and the Joint Command and Control (JC2) and other joint programs. The Sequoyah systems enable our warfighters to communicate with the native population, which was not possible due to the lack of availability of linguists or trusted translators. There are three variants of Sequoyah Products: Web-Enabled, Mobile, and Portable. The Web-Enabled variant provides speech, text, and broadcast translation support to Brigade and Battalion elements with assured network connectivity. The Mobile variant provides speech and text translation support as modules for computers (laptops, PDAs, etc.) which do not have consistent network connectivity. The Portable variant provides speech and text translation support as modules (and hardware/software systems where required) for handheld/wearable computer systems. The Sequoyah products/variants are procured in a user prioritized approach to meet regional deployment warfighter requirements.

**Justification:**

FY2008 Global War On Terrorism (GWOT) procures Speech to Speech (1S2S), two way speech to Speech, Text to Text, and Broadcast translation to provide the translation capabilities to warfighters deploying into combat theaters.

FY 2008 Base: -0-  
 FY 2008 GWOT: \$12.813 Million  
 FY 2008 Total \$12.813 Million

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: SEQUOYAH FOREIGN LANGUAGE TRANSLATION SYSTEM (B88605)			Weapon System Type:			Date: September 2007			
OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
<b>FY08 GWOT</b>													
One Way Hands Free S2S Translation Sys								1750	500	4			
One Way Hand Held S2S Translation Sys								1750	500	4			
Two Way S2S Translation Sys-handheld/PC								3750	650	6			
Text to Text Translation System								1200	6	200			
1Way Broadcast Transcription/Translation								600	2	300			
Testing								780					
Training								1173					
Initial Spares								600					
Fielding								850					
Government Program Management								360					
<b>Total:</b>								<b>12813</b>					

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

Date:  
September 2007

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>One Way Hands Free S2S Translation Sys</b> FY 2008 TBD	TBD TBD	TBD	Fort Monmouth, NJ	Jun 08	Aug 08	500	4			May 08
<b>One Way Hand Held S2S Translation Sys</b> FY 2008	TBD TBD	TBD	Fort Monmouth, NJ	Jun 08	Aug 08	500	4			May 08
<b>Two Way S2S Translation Sys-handheld/PC</b> FY 2008	TBD TBD	TBD	Fort Monmouth, NJ	Jun 08	Aug 08	650	6			May 08
<b>Text to Text Translation System</b> FY 2008	TBD TBD	TBD	Fort Monmouth, NJ	Jun 08	Aug 08	6	200			May 08
<b>1Way Broadcast Transcription/Translation</b> FY 2008	TBD TBD	TBD	Fort Monmouth, NJ	Jun 08	Aug 08	2	300			May 08

REMARKS: Sequoyah Foreign Language Translation System is Commercial Off the Shelf (COTS) and does not have a production schedule.



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

Date: September 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature  
COUNTER-ROCKET, ARTILLERY & MORTAR (C-RAM) (BZ0526)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost				245.0							245.0
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				245.0							245.0
Initial Spares											
Total Proc Cost				245.0							245.0
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The primary mission of the Counter-Rockets, Artillery and Mortars (C-RAM) program is to develop, procure, field and maintain a system that can detect rocket, artillery or mortar launches; warn the defended area with sufficient time for personnel to take cover; intercept rounds in flight, thus preventing damage to ground forces or facilities; and enhance response to and defeat of enemy forces. C-RAM utilizes a system of systems (SoS) approach, and is comprised of a combination of multi-service fielded and non-developmental item (NDI) sensors, command and control (C2) systems and a modified U.S. Navy intercept system, with a low cost commercial off-the-shelf (COTS) warning system and wireless local area network. The system will be fielded to various echelons, fixed or semi-fixed-site, providing them correlated air and ground pictures and linking them to the Army Battle Command System (ABCS) and the Joint Defense Network (JDN), via various forms of communications to provide situational awareness and exchange of timely and accurate information to synchronize and optimize automated Shape, Sense, Warn, Intercept, Respond and Protect decisions.

The fielding of the C-RAM SoS will be accomplished through an incremental fielding approach that is driven by an urgent operational need, theater priorities and emerging capability requirements to provide counter-RAM capability to fielded forces. The C-RAM Program Office has fielded equipment to ten Forward Operating Bases (FOBs) (Sense, Warn and Intercept to one FOB; Sense and Warn to nine additional FOBs).

**Justification:**

FY08 GWOT funding will procure and field Intercept systems to two FOBs, including spares, installation and on-site contractor support, continue support for fielded systems (Intercept systems at four FOBs and Sense, Warn and Respond systems at 13 FOBs), maintain the C-RAM RSC in theater and enhance C-RAM CTC systems to current configuration.

FY2008 Base Appropriation -\$0  
 FY2008 GWOT - \$245.000 Million  
 Total - \$245.000 Million

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: COUNTER-ROCKET, ARTILLERY & MORTAR (C-RAM) (BZ0526)			Weapon System Type:			Date: September 2007			
OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		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
FY08 GWOT  1. System Integration/Hardware 2. Project Management Admin <b>3. Fielding</b> a. Total Package Fielding b. New Equipment Training c. First Destination Transportation 4. Contractor Field Support 5. Software Maintenance Spt  <b>Total:</b>								127776					
								32000					
								43728					
								7247					
								234					
								20000					
								14015					
								<b>245000</b>					

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

Date:  
September 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: COUNTER-ROCKET, ARTILLERY & MORTAR (C-RAM) (BZ0526)							
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. System Integration/Hardware</b>										
FY 2007	Northrop Grumman/NGMS Huntsville AL	IDIQCPFF Op	AMCOM	Sep 07	TBD					
FY 2008	Northrop Grumman/NGMS Huntsville AL	IDIQCPFF Op	AMCOM							

REMARKS: