

# DEPARTMENT OF THE ARMY

## Procurement Programs



Committee Staff Procurement Backup Book  
Fiscal Year (FY) 2008/2009 Budget Estimate

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

Budget Activity 2

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APPROPRIATION

Line No	Nomenclature		FY 2006		FY2007		FY2008		FY2009
		QTY	COST	QTY	COST	Qty	COST	QTY	COST
<i>COMM - JOINT COMMUNICATIONS</i>									
20	COMBAT IDENTIFICATION PROGRAM (BA0510)						4,228		31,637
21	JCSE EQUIPMENT (USREDCOM) (BB5777)		4,017		4,786		2,071		2,141
	<i>SUB-ACTIVITY TOTAL</i>		<u>4,017</u>		<u>4,786</u>		<u>6,299</u>		<u>33,778</u>
<i>COMM - SATELLITE COMMUNICATIONS</i>									
22	SECOMP-I (B00700)	A	7,185		16,816				
23	DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS (SPACE) (BB8500)		62,321		53,400		87,772		96,469
24	SHF TERM (BA9350)		32,345		28,345		8,790		300
25	SAT TERM, EMUT (SPACE) (K77200)		6,115		4,813		812		812
26	NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE) (K47800)	B	116,805		77,948		86,877		51,984
27	SMART-T (SPACE) (BC4002)		13,842		62,092		50,412		78,248
28	SCAMP (SPACE) (BC4003)		598		950		1,300		
29	GLOBAL BRDCST SVC - GBS (BC4120)		13,124		16,736		33,447		32,318
30	MOD OF IN-SVC EQUIP (TAC SAT) (BB8417)		7,295		9,076		6,042		6,115
	<i>SUB-ACTIVITY TOTAL</i>		<u>259,630</u>		<u>270,176</u>		<u>275,452</u>		<u>266,246</u>
<i>COMM - C3 SYSTEM</i>									
31	ARMY GLOBAL CMD & CONTROL SYS (AGCCS) (BA8250)	A	24,939		25,152		25,512		26,599
	<i>SUB-ACTIVITY TOTAL</i>		<u>24,939</u>		<u>25,152</u>		<u>25,512</u>		<u>26,599</u>
<i>COMM - COMBAT COMMUNICATIONS</i>									
32	ARMY DATA DISTRIBUTION SYSTEM (DATA RADIO) (BU1400)	B	86,262		4,870		7,893		15,715
33	Radio Terminal Set, MIDS LVT(2) (B22603)	A	3,070		3,216		3,021		3,027
34	SINGGARS FAMILY (BW0006)	A	784,940		188,913		137,080		102,287

Line No	Nomenclature		FY 2006	FY2007	FY2008	FY2009
35	AMC CRITICAL ITEMS - OPA2 (B19920)	A			8,000	8,000
36	Multi-Purpose Informations Operations Sysems (BC3000)		8,151	10,418	8,653	7,852
37	GROW THE FORCE INITIATIVE (BA1010)				1,248,884	1,248,884
38	BRIDGE TO FUTURE NETWORKS (BB1500)	B	868,542	347,878	433,526	352,952
39	COMMS-ELEC EQUIP FIELDING (BA5210)		26,155	14,772	7,902	7,880
40	SPIDER APLA Remote Control Unit (B55501)	A	7,000	27,488	18,801	30,142
41	IMS Remote Control Unit (B55503)	B				20,951
42	SOLDIER ENHANCEMENT PROGRAM COMM/ELECTRONICS (BA5300)		5,925	9,893	10,192	6,410
43	COMBAT SURVIVOR EVADER LOCATOR (CSEL) (B03200)	B	36,638	8,270	12,072	16,262
44	RADIO, IMPROVED HF (COTS) FAMILY (BU8100)	A	838,277	96,075	65,530	48,756
45	MEDICAL COMM FOR CBT CASUALTY CARE (MC4) (MA8046)		42,297	10,506	19,525	16,948
	<i>SUB-ACTIVITY TOTAL</i>		<u>2,707,257</u>	<u>722,299</u>	<u>1,981,079</u>	<u>1,886,066</u>
<i>COMM - INTELLIGENCE COMM</i>						
46	CI AUTOMATION ARCHITECTURE (BK5284)	A	14,650	1,403	1,461	1,510
	<i>SUB-ACTIVITY TOTAL</i>		<u>14,650</u>	<u>1,403</u>	<u>1,461</u>	<u>1,510</u>
<i>COMM - INFORMATION SECURITY</i>						
47	TSEC - ARMY KEY MGT SYS (AKMS) (BA1201)		38,407	14,864	23,225	16,791
48	INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)	A	68,733	92,609	60,301	74,638
	<i>SUB-ACTIVITY TOTAL</i>		<u>107,140</u>	<u>107,473</u>	<u>83,526</u>	<u>91,429</u>
<i>COMM - LONG HAUL COMMUNICATIONS</i>						
49	TERRESTRIAL TRANSMISSION (BU1900)		14,666	14,374	9,619	9,227
50	BASE SUPPORT COMMUNICATIONS (BU4160)		36,900	45,937	34,520	35,352
51	ELECTROMAG COMP PROG (EMCP) (BD3100)		473	506	511	522
52	WW TECH CON IMP PROG (WWTCIP) (BU3610)		104,433	26,992	27,880	28,925
	<i>SUB-ACTIVITY TOTAL</i>		<u>156,472</u>	<u>87,809</u>	<u>72,530</u>	<u>74,026</u>

Line No	Nomenclature		FY 2006	FY2007	FY2008	FY2009
	<i>COMM - BASE COMMUNICATIONS</i>					
53	INFORMATION SYSTEMS (BB8650)		21,373	19,474	156,170	153,645
54	DEFENSE MESSAGE SYSTEM (DMS) (BU3770)		6,551	5,703	6,662	6,770
55	Installation Info Infrastructure Mod Program(I3MP) (BU0500)	A	276,469	246,584	217,298	222,661
56	PENTAGON INFORMATION MGT AND TELECOM (BQ0100)		26,344	29,592	32,076	33,537
	<i>SUB-ACTIVITY TOTAL</i>		<u>330,737</u>	<u>301,353</u>	<u>412,206</u>	<u>416,613</u>
	<i>ELECT EQUIP - NAT FOR INT PROG (NFIP)</i>					
57	FOREIGN COUNTERINTELLIGENCE PROG (FCI) (BK5282)					
58	GENERAL DEFENSE INTELL PROG (GDIP) (BD3900)					
	<i>SUB-ACTIVITY TOTAL</i>					
	<i>ELECT EQUIP - TACT INT REL ACT (TIARA)</i>					
59	ALL SOURCE ANALYSIS SYS (ASAS) (MIP) (KA4400)	B	61,619	34,293	36,132	38,674
60	JTT/CIBS-M (MIP) (V29600)	B	35 9,371	981	3,560	8,632
61	PROPHET GROUND (MIP) (BZ7326)		104,624	100,521	119,482	114,837
62	Tactical Unmanned Aerial Sys (TUAS)MIP (B00301)	A	347,674	78,680	196,419	534,418
63	SMALL UNMANNED AERIAL SYSTEM (SUAS) (B00303)	A	18,952	10,159	20,682	27,856
64	Army Common Ground Station (CGS) (TIARA) (BA1080)	B	8,900			
65	DIGITAL TOPOGRAPHIC SPT SYS (DTSS) (MIP) (KA2550)	B	57,136	30,606	34,604	20,729
66	DRUG INTERDICTION PROGRAM (DIP) (TIARA) (BU4050)		20,734			
67	TACTICAL EXPLOITATION SYSTEM (MIP) (BZ7317)		5,500			
68	DCGS-A (MIP) (BZ7316)		39,327	65,161	114,842	112,227
69	JOINT TACTICAL GROUND STATION (JTAGS) (BZ8401)	A	3,810	9,812		
70	TROJAN (MIP) (BA0326)	B	6,853	7,628	13,418	10,478
71	MOD OF IN-SVC EQUIP (INTEL SPT) (MIP) (BZ9750)		1,580	5,020	2,351	2,439
72	CI HUMINT INFO MANAGEMENT SYSTEM (CHIMS) (MIP) (BK5275)		7,592	19,625	26,310	35,087

Line No	Nomenclature		FY 2006	FY2007	FY2008	FY2009
73	ITEMS LESS THAN \$5.0M (MIP) (BK5278)		72,745	37,587	17,903	20,386
	<i>SUB-ACTIVITY TOTAL</i>		<u>766,417</u>	<u>400,073</u>	<u>585,703</u>	<u>925,763</u>
 <i>ELECT EQUIP - ELECTRONIC WARFARE (EW)</i>						
74	LIGHTWEIGHT COUNTER MORTAR RADAR (B05201)	A	94,638	16,260	43,893	44,051
75	COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES (BL5283)		4,200	30,667	11,900	1,000
76	CI MODERNIZATION (MIP) (BL5285)	A			1,278	1,306
	<i>SUB-ACTIVITY TOTAL</i>		<u>98,838</u>	<u>46,927</u>	<u>57,071</u>	<u>46,357</u>
 <i>ELECT EQUIP - TACTICAL SURV. (TAC SURV)</i>						
77	SENTINEL MODS (WK5057)		7,586	15,064	20,885	33,368
78	NIGHT VISION DEVICES (KA3500)	A	539,910	326,234	278,641	359,500
79	LONG RANGE ADVANCED SCOUT SURVEILLANCE SYSTEM (K38300)		122,041	178,873	129,951	131,200
80	NIGHT VISION, THERMAL WPN SIGHT (K22900)	B	180,756	208,695	230,607	209,567
81	RADIATION MONITORING SYSTEMS (WC5200)			4,393	3,518	3,462
82	ARTILLERY ACCURACY EQUIP (AD3200)		16,488	799		
83	MOD OF IN-SVC EQUIP (MMS) (AD3255)		330	320		
84	ENHANCED PORTABLE INDUCTIVE ARTILLERY FUZE SETTER (AD3260)		6,408	7,411	7,572	2,596
85	PROFILER (K27900)		4,458	8,584	8,000	11,200
86	MOD OF IN-SVC EQUIP (Firefinder Radars) (BZ7325)		125,180	25,585	41,480	16,450
87	FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2) (W61900)	B	283,307	159,689	175,975	125,687
88	LIGHTWEIGHT LASER DESIGNATOR/RANGEFINDER (LLDR) (K311)	B	106,728	49,959	93,986	77,414
89	COMPUTER BALLISTICS: LHNBC XM32 (K99200)	A	24,316			
90	MORTAR FIRE CONTROL SYSTEM (K99300)		20,912	45,114	14,000	14,240
91	COUNTERFIRE RADARS (BA5500)					107,797
92	INTEGRATED MET SYS SENSORS (IMETS) - MIP (BW0021)		3,387	3,496		
93	Enhanced Sensor & Monitoring System (BZ5050)	A	1,895			

Line No	Nomenclature		FY 2006	FY2007	FY2008	FY2009
	<i>SUB-ACTIVITY TOTAL</i>		<u>1,443,702</u>	<u>1,034,216</u>	<u>1,004,615</u>	<u>1,092,481</u>
	<i>ELECT EQUIP - TACTICAL C2 SYSTEMS</i>					
94	TACTICAL OPERATIONS CENTERS (BZ9865)		196,955	57,475	393,883	269,467
95	FIRE SUPPORT C2 FAMILY (B28501)	A	45,184	49,644	40,626	39,460
96	Battle Command Sustainment Support System (BCS3) (W34600)		30,531	31,858	32,935	29,987
97	FAAD C2 (AD5050)	A	228,564	21,010	9,000	7,500
98	AIR & MSL DEFENSE PLANNING & CONTROL SYS (AMD PCS) (AD5070)		102,716	69,011	19,611	37,350
99	Knight Family (B78504)	A	112,800	74,136	68,280	73,373
100	LIFE CYCLE SOFTWARE SUPPORT (LCSS) (BD3955)		1,890	2,014	2,070	2,115
101	Automatic Identification Technology (BZ8889)	B	65,292	103,717	71,034	84,081
102	TC AIMS II (BZ8900)		14,896	29,923	29,037	31,500
103	Joint Network Management System (JNMS) (B95700)		10,885	8,246	10,745	11,132
104	Tactical Internet Manager (B93900)		61,718	11,309	9,215	3,914
105	DATA PRODUCTS (BA9315)	A			36,142	30,275
106	MANEUVER CONTROL SYSTEM (MCS) (BA9320)	A	99,218	76,714	120,767	113,324
107	Single Army Logistics Enterprise (SALE) (W10801)	A	124,696	137,399	53,563	129,874
108	Mounted Battle Command on the Move (MBCOTM) (BZ9970)	A	18,859	72,742	42,000	70,530
	<i>SUB-ACTIVITY TOTAL</i>		<u>1,114,204</u>	<u>745,198</u>	<u>938,908</u>	<u>933,882</u>
	<i>ELECT EQUIP - AUTOMATION</i>					
109	GENERAL FUND ENTERPRISE BUSINESS SYSTEM (BE4168)	A		1,992	39,353	109,141
110	ARMY TRAINING MODERNIZATION (BE4169)		21,120	21,549	11,389	13,529
111	AUTOMATED DATA PROCESSING EQUIP (BD3000)		248,327	158,978	120,732	133,945
112	CSS COMMUNICATIONS (BD3501)	A		26,658	32,955	49,140
113	RESERVE COMPONENT AUTOMATION SYS (RCAS) (BE4167)		30,130	28,560	30,427	42,571

Line No	Nomenclature	FY 2006	FY2007	FY2008	FY2009
	<i>SUB-ACTIVITY TOTAL</i>	<u>299,577</u>	<u>237,737</u>	<u>234,856</u>	<u>348,326</u>
	<i>ELECT EQUIP - AUDIO VISUAL SYSTEMS (A/V)</i>				
114	AFRTS (BZ8480)	2,590	1,003	964	1,640
115	ITEMS LESS THAN \$5.0M (A/V) (BK5289)	2,660	6,727	6,306	6,355
116	ITEMS LESS THAN \$5M (SURVEYING EQUIPMENT) (BL5300)	2,743	1,664	3,358	4,016
	<i>SUB-ACTIVITY TOTAL</i>	<u>7,993</u>	<u>9,394</u>	<u>10,628</u>	<u>12,011</u>
	<i>ELECT EQUIP - MODS TACTICAL SYS/EQ</i>				
117	WEAPONIZATION of UNMANNED AERIAL SYSTEM (UAS) (B10300) A		1,654	15,207	15,224
	<i>SUB-ACTIVITY TOTAL</i>		<u>1,654</u>	<u>15,207</u>	<u>15,224</u>
	<i>ELECT EQUIP - SUPPORT</i>				
118	Items under \$5M (SSE) (BF4500) A		17,423	14,430	15,530
119	PRODUCTION BASE SUPPORT (C-E) (BF5400)	432	495	508	517
	<i>SUB-ACTIVITY TOTAL</i>	<u>432</u>	<u>17,918</u>	<u>14,938</u>	<u>16,047</u>
	<b>ACTIVITY TOTAL</b>	<u><b>7,336,005</b></u>	<u><b>4,013,568</b></u>	<u><b>5,719,991</b></u>	<u><b>6,186,358</b></u>

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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	26.5	5.5	1.0							33.0
Modernization of Enterprise Terminals (MET)			2.0	13.4	33.6	23.8	24.4	24.9		122.1
<b>Total</b>	<b>26.5</b>	<b>5.5</b>	<b>3.0</b>	<b>13.4</b>	<b>33.6</b>	<b>23.8</b>	<b>24.4</b>	<b>24.9</b>		<b>155.1</b>
<b>MOD OF IN-SVC EQUIP (TAC SAT) (BB8417)</b>										
MOD OF IN SVC	337.3	0.2								337.5
LHGXA	5.2	5.2								10.4
AMPE	2.1	3.7	6.0	6.1	2.8	1.5				22.2
<b>Total</b>	<b>344.6</b>	<b>9.1</b>	<b>6.0</b>	<b>6.1</b>	<b>2.8</b>	<b>1.5</b>				<b>370.1</b>
<b>MOD OF IN-SVC EQUIP (INTEL SPT) (MIP) (BZ9750)</b>										
Y2K fixes for GR/CS and ARL	7.3									7.3
Prophet Tech Insertion	1.4	3.8	2.4	2.4	2.6	3.1				15.7
REMBASS II for SBCT	9.2	0.2	1.0	0.6		1.0				12.0
AN/PRD-13(V)2	15.4									15.4
AN/PPS-5D (GSR) for SBCT	2.9	1.0	3.2	3.3	3.9	0.6				14.9
ARNG Virtual Low Cost Infrastructure Plan	1.9									1.9
Special Program	0.6									0.6
<b>Total</b>	<b>38.7</b>	<b>5.0</b>	<b>6.6</b>	<b>6.3</b>	<b>6.5</b>	<b>4.7</b>				<b>67.8</b>
<b>ITEMS LESS THAN \$5.0M (MIP) (BK5278)</b>										
New Mod										
<b>Total</b>										
<b>SENTINEL MODS (WK5057)</b>										
ETRAC System Kit	119.4	15.1	20.9	21.5	18.7	16.7	19.5	23.6		255.4
Mode 5 IFF Kit					1.0	0.8	2.3	2.8		6.9
Joint Identification Kit				11.9	8.5	7.8	11.2	15.3		54.7
<b>Total</b>	<b>119.4</b>	<b>15.1</b>	<b>20.9</b>	<b>33.4</b>	<b>28.2</b>	<b>25.3</b>	<b>33.0</b>	<b>41.7</b>		<b>317.0</b>
<b>MOD OF IN-SVC EQUIP (Firefinder Radars) (BZ7325)</b>										
AN/TPQ-36(V)8 Electronics Upgrade	277.0	18.4	18.4	10.0	3.1	3.1	3.1	3.2		336.3

## 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>
AN/TPQ-37 Fire Support Digitization	21.6	0.8	1.0	0.8						24.2
AN/TPQ-37 Reliability/Maintainability Improvements	17.8	6.4	22.1	5.7						52.0
AN/TPQ-37(V)8 Block I Upgrade	59.8									59.8
<b>Total</b>	<b>376.2</b>	<b>25.6</b>	<b>41.5</b>	<b>16.5</b>	<b>3.1</b>	<b>3.1</b>	<b>3.1</b>	<b>3.2</b>		<b>472.3</b>
<b>FORCE XXI BATTLE CMD BRIGADE &amp; BELOW (FBCB2) (W61900)</b>										
New Mod										
<b>Total</b>										
<b>MOD OF IN-SVC EQUIP, AFATDS (B28620)</b>										
MOD OF IN-SVC, EQUIP, AFATDS	13610.0	5412.0	13500.0	14500.0	19357.0	20565.0	19680.0	19739.0		126363.0
<b>Total</b>	<b>13610.0</b>	<b>5412.0</b>	<b>13500.0</b>	<b>14500.0</b>	<b>19357.0</b>	<b>20565.0</b>	<b>19680.0</b>	<b>19739.0</b>		<b>126363.0</b>
<b>Grand Total</b>	<b>14515.4</b>	<b>5472.3</b>	<b>13578.0</b>	<b>14575.7</b>	<b>19431.2</b>	<b>20623.4</b>	<b>19740.5</b>	<b>19808.8</b>		<b>127745.3</b>

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

Date: February 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: COMBAT IDENTIFICATION PROGRAM (BA0510)

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					1609	3321	7189	7095	6704		25918
Gross Cost	34.6			4.2	31.6	54.2	102.0	104.2	97.2		428.1
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	34.6			4.2	31.6	54.2	102.0	104.2	97.2		428.1
Initial Spares											
Total Proc Cost	34.6			4.2	31.6	54.2	102.0	104.2	97.2		428.1
Flyaway U/C											
Weapon System Proc U/C					0.0	0.0	0.0	0.0	0.0		0.1

**Description:**

The ultimate goal of Combat Identification (CID) is to maximize overall combat effectiveness by minimizing and mitigating incidents of fratricide and maximizing the situational understanding of the trigger puller. This is achieved by rapid, reliable identification of friends, enemies/foes, and neutrals in the Joint battlespace. This overall program supports the development and procurement of mounted ground-to-ground (G-G) and radio based CID solutions for the current force. This project supports CID initiatives approved by the Army Marine Corps Board on 15 March 2006 to narrow existing CID capability gaps.

Millimeter Wave (mmW) was selected by the AMCB to be the technology of choice to address Joint Cooperative Target Identification in the direct fires G-G CID Mission Area and will be referred to hereafter in this document as simply JCTI-G. JCTI-G provides near real-time CID that aids in the prevention of G-G friendly fire incidents and resulting fratricides. In this instance, JCTI G can be defined as a cooperative (question and answer) technology that uses mmW in the Ka-Band frequency spectrum to query a battle-space entity of interest and allows the recipient of that query to respond to that same query as a friend. JCTI-G systems generally consist of an interrogation antenna and a separate transponder antenna coupled to a central processing unit or Communications-Electronics Interface Unit (CEIU). Upon triggering the vehicle Laser Range Finder (LRF), the gunner and/or commander of the host vehicle platform automatically initiates the interrogator antenna to query the battle space entity of interest using Low Probably of Detection and Interception (LPI/LPD) directional mmW signal to determine if the target is a friend or unknown entity. Any vehicle equipped with this technology that is within the specified beam width of the interrogation wave will respond in an omni-directional reply indicating it is a friend. This entire process takes less than 1 second to ensure firing operations are not disrupted. Indications received by the Commander and/or Gunner will be visual in the vehicle sighting unit and/or audible through the vehicles intercommunications system. The technology will correctly identify a potential target as a friend or unknown from ranges of over 3 miles (>5.5 Km) more than 98% of the time. If tied to an existing US and Coalition Country ratified NATO Standardization Agreement (STANAG 4579) the technology can be made to be Coalition and Joint interoperable.

Radio Based Combat Identification (RBCI) is a Cooperative (Question & Answer) Combat Identification (CID) capability that is implemented into the battlespace via a software upgrade to existing Combat Net Radios (CNRs) and a variety of Radio Controller Devices. RBCI enables a Rotary Wing (RW) Air Platform, like Apache, or Forward Observer/Controller on the ground to interrogate an area of interest and receive replies from any friendly forces within the interrogation footprint that are equipped with Global Positioning System (GPS)-enabled RBCI CNRs. It will initially be fielded to all Army Single Channel Ground and Airborne Radio System (SINCGARS) System Improvement Program (SIP) Air (Air-SIP) and Ground (ASIP) Radios currently in the production line and as a Pre-Planned Product Improvement (P3I) to all existing (already fielded) SINCGARS ASIP/Air-SIP Radios. RBCI is a mature capability that has demonstrated sufficient Military Utility in the 2005 Coalition Combat Identification Advanced Concept Technology Demonstration (CCID ACTD) Operational Exercise, dubbed \_Urgent Quest\_ to warrant fielding. This capability will provide friendly Target Identification (TI) and Clearance of Fires (danger close) notifications for RW pilots during direct fire Air to Ground missions and for Fire Support Teams (FIST) and Tactical Operation Centers (TOCs) during Close Air Support (CAS) and Beyond/Non-Line of Sight (BLOS/NLOS) missions.

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: February 2007
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature COMBAT IDENTIFICATION PROGRAM (BA0510)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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**Justification:**

FY08/09 funding supports the RBCI software upgrade P3I effort and its fielding. FY09 funding supports the JCTI-G Low-Rate Initial Production (LRIP) program.

<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 IDENTIFICATION PROGRAM (BA0510)			Weapon System Type:			Date: February 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>1. JCTI-G Program Costs</b>													
Hardware											24680	1609	15
GFE											2700		
Program Management											2238		
Test and Evaluation											250		
Data											191		
Fielding/NET											1469		
<b>2. RBCI Program Costs</b>													
Software Upgrade								4228			109		
<b>Total:</b>								<b>4228</b>			<b>31637</b>		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: COMBAT IDENTIFICATION PROGRAM (BA0510)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Hardware</b> FY 2009	TBD TBD	C/CP	TBD	May 09	Dec 09	1609	15	Y	NA	Dec 08

REMARKS:





<b>FY 11 / 12 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE COMBAT IDENTIFICATION PROGRAM (BA0510)	Date: February 2007
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COST ELEMENTS						Fiscal Year 11														Fiscal Year 12														Later
MFR	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11														Calendar Year 12														
						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																																		
1	FY 09	A	1609	1340	269	134	135																										0	
Total						1609	1340	269	134	135																								
						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	Reorder		
1	TBD, TBD	50	250	600		1	Initial	Reorder	7	14	
							Initial	Reorder			
							Initial	Reorder			
							Initial	Reorder			
							Initial	Reorder			
							Initial	Reorder			

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

Date: February 2007

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

P-1 Item Nomenclature  
JCSE EQUIPMENT (USREDCOM) (BB5777)

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	117.7	4.0	4.8	2.0	2.1	2.3	2.3	2.4	2.4	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	117.7	4.0	4.8	2.0	2.1	2.3	2.3	2.4	2.4	Continuing	Continuing
Initial Spares											
Total Proc Cost	117.7	4.0	4.8	2.0	2.1	2.3	2.3	2.4	2.4	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**

This program provides funding for the Joint Communications Support Element (JCSE). JCSE is a unique, completely mobile, multi-service communications unit. It is designed to meet the simultaneous communication requirements for two deployed Joint Task Force (JTF) Headquarters and two deployed Joint Special Operation Task Forces (JSOTF) Headquarters as defined by the communication architecture contained in the Chairman, Joint Chiefs of Staff (JCS) Manual 6231. JCSE equipment requirements are validated by the Joint Forces Command and approved by the Joint Chiefs of Staff, the Combatant commanders, Services and other Defense Agencies.

**Justification:**

FY08/09 procures equipment to be procured includes major upgrades to mobile satellite systems, commercial off the shelf (COTS) equipment, network equipment and COMSEC necessary to meet the conversion from circuit based to IP based in concert with Strategic Planning Guidance.

<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: JCSE EQUIPMENT (USREDCOM) (BB5777)			Weapon System Type:		Date: February 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
(JCSE)			4000			4741			2000			2100		
<b>Total:</b>			<b>4000</b>			<b>4741</b>			<b>2000</b>			<b>2100</b>		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: JCSE EQUIPMENT (USREDCOM) (BB5777)							
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
(JCSE)										
FY 2006	Multiple (1) Multiple	C/FFP	MULTIPLE	MULTI	MULTI					
FY 2007	Multiple (1) Multiple	C/FFP	MULTIPLE	MULTI	MULTI					
FY 2008	Multiple (1) Multiple	C/FFP	MULTIPLE	MULTI	MULTI					

REMARKS:

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

Date: February 2007

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

P-1 Item Nomenclature  
SECOMP-I (B00700)

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	24.1	7.2	16.8								48.1
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	24.1	7.2	16.8								48.1
Initial Spares											
Total Proc Cost	24.1	7.2	16.8								48.1
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

Secure Enroute Communications Package - Improved (SECOMP-I) is a communications system designed for use by Corps/Joint Tactical Force (JTF)/Army Force Commanders and staff while deploying to a theater of operations onboard aircraft, or while dismounted for initial ground operations. SECOMP-I enables real time situational awareness and robust, collaborative, Enroute Mission Planning and Rehearsal (EMPR) capabilities down to the company level. This program enables the commander to receive and disseminate critical real-time data, thus avoiding "information blackout" while forces are enroute to an objective area, and to modify plans and orders as required.

In response to an urgent requirement, eleven SECOMP-I(-) systems were deployed to Afghanistan during Operation Enduring Freedom (OEF). Revised Operational Requirements Document (ORD) was approved by the Army Requirements Oversight Council (AROC) on 19 Mar 03 and direction was given by the Vice Chief of Staff, Army (VCSA) to proceed directly to Block II, hereafter referred to as the SECOMP-I system. The SECOMP-I system capabilities include voice and limited data via user-provided UHF/VHF Tactical Satellite/Line of Sight (TACSAT/LOS) radios, 5 to 15 workstations - each consisting of a laptop computer and an intercom, an on-board Ethernet LAN for intra-platform network communications and a Communications Manager Interface (CMI) to manage the data and communications links. Additional capabilities include wideband Satellite communication (SATCOM) (using International Marine/Maritime Satellite (INMARSAT) as an interim solution), servers to enable robust collaborative EMPR functionality, and a Flying LAN (FLAN) for inter-platform network communications, to constitute the SECOMP-I system.

**Justification:**

No FY2008/2009 funding.

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: SECOMP-I (B00700)			Weapon System Type:			Date: February 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
System Project Management		2503			2986								
Aircraft Modifications					1200								
Contract Close-Out					12630								
Engineering Changes		209											
Engineering Support		33											
Test & Evaluation		4127											
SECOMP-I Systems		313											
Data & Training													
<b>Total:</b>		<b>7185</b>			<b>16816</b>								

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:		P-1 Line Item Nomenclature: SECOMP-I (B00700)						
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>SECOMP-I Systems</b>										
FY 2005	General Dynamics (GDC4S) Scottsdale, AZ	C/FFP/OPT	CECOM	Nov 04	Apr 06	5	1005	Y		
FY 2006	General Dynamics (GDC4S) Scottsdale, AZ									
FY 2007	General Dynamics (GDC4S) Scottsdale, AZ									

REMARKS: No SECOMP-I Systems were procured beyond FY05.



<b>FY 07 / 08 BUDGET PRODUCTION SCHEDULE</b>															P-1 ITEM NOMENCLATURE SECOMP-I (B00700)										Date: February 2007	
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	------------------------	--

COST ELEMENTS						Fiscal Year 07														Fiscal Year 08												Later
MFR	FY	S E R V	PROC QTY Each	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			

SECOMP-I Systems																														
1	FY 05	A	5	2	3																									0
Total			5	2	3									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	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			1	Prior 1 Oct				After 1 Oct	
								Initial					Reorder
1	General Dynamics (GDC4S), Scottsdale, AZ	1	5	10		1	0	1	17	18			
							0	1	7	8			

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

Date: February 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:

	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	2387.8	62.3	53.4	87.8	96.5	166.2	131.2	128.2	130.7	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	2387.8	62.3	53.4	87.8	96.5	166.2	131.2	128.2	130.7	Continuing	Continuing
Initial Spares											
Total Proc Cost	2387.8	62.3	53.4	87.8	96.5	166.2	131.2	128.2	130.7	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**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 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 (GIG) 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:**

FY08/09 KaSTARS procures two terminals in support of the Wideband Gapfiller Satellite (WGS) program. Enterprise Wideband Satellite 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, system 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 Bandwidth 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 Links 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.

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: February 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
ENTERPRISE WIDEBAND SAT TERM DIGITAL EQ		4853			7118			41291			41089		
ENTERPRISE WIDEBAND INTERCONNECT FAC		9439			11891			5543			5638		
WIDEBAND JAM RESISTANT SECURE COMM		17089			945			2000			2035		
ENTERPRISE WIDEBAND SAT PAY CONTROL SYS		15288			15626			20127			20246		
ENTERPRISE WIDEBAND SATELLITE TERM MODS		9966			11342			2010			13412		
SPECIAL COMMUNICATIONS LINKS PROGRAM		876			1099			1510			1502		
ENTERPRISE WIDEBAND SAT TERM - KaSTARS		808			503			13376			11547		
GMF ENHANCEMENT		4002			4876			1915			1000		
<b>Total:</b>		<b>62321</b>			<b>53400</b>			<b>87772</b>			<b>96469</b>		

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

Date: February 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	33.2	4.0	4.9	1.9	1.0		5.0	0.4			50.3
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	33.2	4.0	4.9	1.9	1.0		5.0	0.4			50.3
Initial Spares											
Total Proc Cost	33.2	4.0	4.9	1.9	1.0		5.0	0.4			50.3
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 FY2015. 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:**

FY08/09 provides Program Management support for Active, Reserve and National Guard New Equipment Training & Fielding of upgraded AN/TSC-85D and AN/TSC-93D Terminals

<b>Exhibit P-40M, Budget Item Justification Sheet</b>	Date: February 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		26.5	5.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	33.0
Totals		26.5	5.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	33.0

**INDIVIDUAL MODIFICATION**

Date: February 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. FY2008 provides Program Management support for Unit New Equipment Training and Fielding.

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

In FY2006 the following major milestones were accomplished: (1) Installation, Upgrade, Purchase of material, Kit build and New Equipment Training (NET) for the ARNG 440th Sig Co (Las Vegas, NV); 93rd Sig BDE (Ft Gordon, GA); 35th Sig BDE (Ft Bragg, NC); 385th Sig Co (Kuwait); 86th Sig Bn (Ft Huachuca, AZ); 7th Sig BDE (Germany) and ARNG 146th Sig Bn (Jacksonville, FL).

**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	135	20	20	2																	
Outputs	135	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																		177
Outputs																		177

**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: February 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	179	4.9																	179	4.9
AS-3036 Antenna Kit	128	2.9																	128	2.9
Enhanced Tactical SSP	179	5.0																	179	5.0
TYAD Kits	128	3.2																	128	3.2
Replacement FM Orderwire	136	4.2	67	2.5															203	6.7
Non-recurring Engineering																				
Documentation		1.3																		1.3
Test																				
Training		0.6		0.2																0.8
Total Pkg Fielding		0.2		0.2																0.4
Govt/Contractor Support		2.1		1.4		1.0														4.5
<b>Installation of Hardware</b>																				
FY 2005 & Prior Equip -- Kits	135	1.7																	135	1.7
FY 2006 -- Kits			42	0.6															42	0.6
FY 2006	70	0.4																	70	0.4
FY 2007			42	0.6															42	0.6
Total Installment	205	2.1	84	1.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	289	3.3
Total Procurement Cost		26.5		5.5		1.0		0.0		0.0		0.0		0.0		0.0		0.0		33.0

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

Date: February 2007

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

P-1 Item Nomenclature  
Special Communications Links Program (B08900)

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	3.9	0.9	1.1	1.5	1.5	1.6	1.1	1.2	1.2	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	3.9	0.9	1.1	1.5	1.5	1.6	1.1	1.2	1.2	Continuing	Continuing
Initial Spares											
Total Proc Cost	3.9	0.9	1.1	1.5	1.5	1.6	1.1	1.2	1.2	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**

The National Command Authority (NCA), Special Communications Link program and the required modernization effort exists through a bilateral agreement for a 10-year user equipment modernization. This essential Priority 0 effort supports unique internal requirements that provide critical communications to support continuing peaceful relations between the United States President and Russia/Ukraine/Belarus/Kazakhstan leaders. The program includes the Direct Communications Link (DCL), Continuous Communications Link (CCL) and the Government-to-Government Communications Link (GGCL). Communications are for diplomatic peacekeeping, arms control and treaty verification purposes.

**Justification:**

FY08/09 procures the upgrades for the Direct Communications Link (DCL) between the President of the United States and leaders from Russia/Ukraine/Belarus/Kazakhstan to assure communications for arms control & disarmament and treaty verification.



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

Date: February 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: Wideband Jam Resistant Secure Communications (BA8300)

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	422.8	17.1	0.9	2.0	2.0	2.1	2.1	2.2	2.2	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	422.8	17.1	0.9	2.0	2.0	2.1	2.1	2.2	2.2	Continuing	Continuing
Initial Spares											
Total Proc Cost	422.8	17.1	0.9	2.0	2.0	2.1	2.1	2.2	2.2	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**  
 The Jam Resistant Secure Communications (JRSC) provides communications connectivity that will survive jamming and high altitude nuclear events which cause High-Altitude Electromagnetic Pulse (HEMP) and other perturbed atmospheric conditions. The other identified anti-jam systems have already been acquired. The AN/GSC-49 Service Life Extension Program (SLEP) will extend selected Nuclear Command, Control and Communications (C3) missions on legacy Defense Satellite communications (DSCS) JRSC resources to meet the communication requirements in support of National Defense. These terminals support the President, Combatant Commanders, Global Command and Control Systems (GCCS) requirements, various DoD agencies and Defense Information Systems Network (DISN) traffic.

**Justification:**  
 FY08/09 procures the required system engineering and logistics support. Presently there is no other capability available to support Nuclear Command, Control and Communications (C3) missions.

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: Wideband Jam Resistant Secure Communications (BA8300)			Weapon System Type:			Date: February 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
JRSC/SLEP		15839			320			1060			1070		
Government/Contractor Engineering Spt		1000			400			600			625		
PM Admin		250			225			340			340		
<b>Total:</b>		<b>17089</b>			<b>945</b>			<b>2000</b>			<b>2035</b>		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: Wideband Jam Resistant Secure Communications (BA8300)							
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>JRSC/SLEP</b>										
FY 2006	TYAD Tobyhanna, PA	WR	CECOM, Ft. Monmouth, NJ	Mar 06	Jan 07			Yes		
FY 2007	TYAD Tobyhanna, PA	WR	CECOM, Ft. Monmouth, NJ	Mar 07	Jan 08			Yes		
FY 2008	TYAD Tobyhanna, PA	WR	CECOM, Ft. Monmouth, NJ	Mar 08	Jan 09			Yes		
FY 2009	TYAD Tobyhanna, PA	WR	CECOM, Ft Monmouth, NJ	Mar 09	Jan 10			Yes		

REMARKS: TYAD - Tobyhanna Army Depot

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

Date: February 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: Enterprise Wideband Satellite Terminal - (Mod) (BB8416)

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	531.7	10.0	11.3	2.0	13.4	33.6	23.8	24.4	24.9	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	531.7	10.0	11.3	2.0	13.4	33.6	23.8	24.4	24.9	Continuing	Continuing
Initial Spares											
Total Proc Cost	531.7	10.0	11.3	2.0	13.4	33.6	23.8	24.4	24.9	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**  
 These modifications modernize the aging AN/GSC-52 Medium Terminal (MT) in support of the Horizontal Technology Insertion Program for the Defense Enterprise Wideband SATCOM System (DEWSS) Super High Frequency (SHF) strategic earth terminals. The result extends the life of the terminals, increases readiness, reduces training and logistics support, conserves energy and improves maintainability. This modernization effort eliminates system obsolescence, modernizes existing equipment and provides component commonality with other existing strategic terminals. Additionally, the procurement of the ground segment in support of Wideband Gapfiller Satellite System (WGS) was initiated in Prior years. These systems will augment/extend the long-haul transmission capabilities of the Defense Information Systems Network (DISN) and are vital to Department of Defense (DoD) and Non-DoD users worldwide. The AN/TSC-85 and 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 DSCS. Starting in FY2004 funding for the AN/TSC-85 and TSC-93 modifications are now reflected in the GMF Enhancements justification material (SSN B08701).

**Justification:**  
 FY08 procures the required personnel support for the MET program. FY09 procures required personnel support and one installation kit.

<b>Exhibit P-40M, Budget Item Justification Sheet</b>	Date: February 2007
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature Enterprise Wideband Satellite Terminal - (Mod) (BB8416)
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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/GSC-52 Modernization											
1-89-07-0030		541.6	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	552.9
Modernization of Enterprise Terminals (MET)											
0-00-00-0000		0.0	0.0	2.0	13.4	33.6	23.8	24.4	24.9	0.0	122.1
<b>Totals</b>		541.6	11.3	2.0	13.4	33.6	23.8	24.4	24.9	0.0	675.0

**INDIVIDUAL MODIFICATION**

Date: February 2007

MODIFICATION TITLE: AN/GSC-52 Modernization [MOD 1] 1-89-07-0030

MODELS OF SYSTEM AFFECTED: AN/GSC-52

DESCRIPTION / JUSTIFICATION:  
 AN/GSC-52 Modernization contract was awarded in FY98 to develop the modernization kit which includes common hardware and software. Eliminates some component obsolescence by replacing existing RF equipment and antenna subsystem components. Provides commonality with existing terminals (AN/GSC-39 & AN/FSC-78) and the modernization also developed a common Control Alarm and Monitor (CMA) subsystem.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):  
 No RDTE proceeded this program

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	1	1																		
Inputs	37	1	1																	
Outputs	37		1	1																

  

	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																		39
Outputs																		39

METHOD OF IMPLEMENTATION: MWO      ADMINISTRATIVE LEADTIME: 3 months      PRODUCTION LEADTIME: 30 months  
 Contract Dates: FY 2008 -      FY 2009 -      FY 2010 -  
 Delivery Dates: FY 2008 -      FY 2009 -      FY 2010 -

**INDIVIDUAL MODIFICATION**

Date: February 2007

MODIFICATION TITLE (cont): AN/GSC-52 Modernization [MOD 1] 1-89-07-0030

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	\$		
	Up/Down Converters		31.4																			31.4
Restoral Terminals	4	5.2																			4	5.2
Installation Kits (Recur)																						
- Fixed	33	30.6																			33	30.6
- Vanized	6	7.0																			6	7.0
Non-Recurring Engineering		5.9																				5.9
Engineering Change Orders		4.0																				4.0
Antenna Modernization		4.1																				4.1
Data/Documentation		4.1																				4.1
Testing/TMDE		3.6																				3.6
Training		1.1																				1.1
FY 2011 Equip -- Kits																						
FY 2012 Equip -- Kits																						
Project Mgmt Admin		5.6		0.7																		6.3
Government Support		21.4		1.2																		22.6
Software Development/PPSS		11.4																				11.4
CMA Retrofit Kits	46	6.9																			46	6.9
Retrofit Hardware		17.1		3.2																		20.3
HT/MT Program	62	337.4																			62	337.4
<b>Installation of Hardware</b>																						
FY 2005 & Prior Equip -- Kits	37	18.1																			37	18.1
FY 2006 -- Kits				2.7																		2.7
FY 2007 Equip -- Kits				3.5																		3.5
FY 2008 Equip -- Kits																						
FY 2009 Equip -- Kits		11.7																				11.7
FY 2010 Equip -- Kits		15.0																				15.0
<b>Total Installment</b>	37	44.8	0	6.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	37	51.0
<b>Total Procurement Cost</b>		541.6		11.3		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		552.9

**INDIVIDUAL MODIFICATION**

Date: February 2007

MODIFICATION TITLE: Modernization of Enterprise Terminals (MET) [MOD 2] 0-00-00-0000

MODELS OF SYSTEM AFFECTED:

DESCRIPTION / JUSTIFICATION:

MET is being defined as the next generation enterprise terminal. It will modernize existing terminals in the field (AN/FSC-78, AN/GSC-39 and GSC-52). This program will reduce Life Cycle Costs, training single vs multiple terminal requirements and increase reliability/maintainability.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

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																		1	1	1
Outputs																			1	1

  

	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	2	2	2	1	2	2														14
Outputs	1	2	2	2	1	2	2													14

METHOD OF IMPLEMENTATION: MWO      ADMINISTRATIVE LEADTIME: 18 months      PRODUCTION LEADTIME: 24 months  
 Contract Dates: FY 2008 - Mar 09      FY 2009 - Mar 10      FY 2010 - Mar 11  
 Delivery Dates: FY 2008 - Apr 11      FY 2009 - Apr 12      FY 2010 - Apr 13



**INDIVIDUAL MODIFICATION**

Date: February 2007

MODIFICATION TITLE (cont): Modernization of Enterprise Terminals (MET) [MOD 2] 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>							3	11.3	7	25.1	4	14.0	3	10.4	4	13.9			21
<b>ECOs</b>										5.2		2.5		3.1		3.3				14.1
NRE					1.5															1.5
Site Preparation									0.7		1.7		1.0		0.8					4.2
In-House Sys Prog Mgt					0.5		2.1		2.6		2.6		2.8		2.8					13.4
<b>Installation of Hardware</b>																				
FY 2008 Equip --Kits																				
FY 2009 Equip -- Kits											3	3.0							3	3.0
FY 2010 Equip -- Kits													7	7.1					7	7.1
FY 2011 Equip -- Kits															4	4.1			4	4.1
FY 2012 Equip -- Kits																				
FY 2013 Equip -- Kits																				
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	3.0	7	7.1	4	4.1	0	0.0	14	14.2
Total Procurement Cost		0.0		0.0		2.0		13.4		33.6		23.8		24.4		24.9		0.0		122.1

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

Date: February 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: Enterprise Wideband Satellite Terminal Digital EQ (BB8501)

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	558.4	4.9	7.1	41.3	41.1	70.3	56.7	56.1	57.3	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	558.4	4.9	7.1	41.3	41.1	70.3	56.7	56.1	57.3	Continuing	Continuing
Initial Spares											
Total Proc Cost	558.4	4.9	7.1	41.3	41.1	70.3	56.7	56.1	57.3	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**  
 The Digital Communications Satellite Subsystem (DCSS) is the diverse array of baseband equipment found at nearly every Department of Defense (DoD) fixed earth terminal site operating with the Defense Satellite Communications System (DSCS) X-band satellites. When the Wideband Gapfiller System (WGS) satellites are launched, the DCSS role will further expand. The DSCS and future WGS are integral parts of the Global Information Grid (GIG). The Army DSCS and WGS programs are responsible for procuring the ground segment portion of all Army strategic satellite communications systems. The DCSS is a key element of the Standardized Tactical Entry Point (STEP) and DoD Teleport sites that provide the deployed Warfighters with global connectivity with each other and with every echelon of command, including strategic commanders, combatant commanders, the Pentagon and reach-back to their sustaining bases. DCSS equipment accepts voice frequency and digital data from terrestrial networks, telephone switches and microwave systems, including those providing access to the Defense Information System Network (DISN) services. The DCSS aggregates and converts such data into signals suitable for transmission via earth terminals to geosynchronous satellites for worldwide distribution. The multiplexing, modulation, coding, transmission security and anti-jamming equipment which comprises the DCSS is mounted in standard modular rack configurations that can be installed in various combinations to serve the specific communications mission of each earth terminal complex. The DCSS racks are housed in buildings or in transportable vans at sites worldwide. The DCSS includes both manual and automated patching facilities to ensure flexible and efficient utilization of both ground equipment and satellite resources. Since its inception in 1977, the DCSS has continually evolved to counter obsolescence, accommodate increased traffic demand and implement new services required by the Warfighters. DCSS equipment now being phased in supports the objectives of Joint Vision 2020, the Global Information Grid (GIG) and the ongoing Global War on Terrorism. The DCSS will be a vital part of the Transformational Communications Program-SATCOM (TCP-SATCOM).

**Justification:**  
 FY08/09 procures the minimum sustainment of baseband racks and their integration into the DSCS. These racks support the Joint Chief of Staff (JCS) validated Combatant Commanders/Service long haul communication requirements and the Global War on Terrorism initiatives. FY08/09 continues to fund multiplexer Integration and DCSS Automation System (MIDAS) which provides backward compatibility with the existing tactical infrastructure while providing technology insertion. FY08/09 also continues the procurement of the Enhanced Bandwidth Efficient Modem (EBEM) which provides greater utilization of limited satellite resources and the implementation of the Modernization of Enterprise Terminals (MET) program.

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
DCSS Equipment Racks and Fabrication		1325	25	53	2432	38	64	1800	30	60	1825	30	61
EBEM		600	100	6	600	100	6	3200	400	8	3200	400	8
DCSS Upgrades								1585			1768		
MIDAS		1080	3	360	1110	3	370	1250	4	313	1250	4	313
MET								28017			3353		
Ft Detrick Relocation Equipment											3912		
FRHN Tech Refresh								2929					
Comm Infrastructure Upgrade											2029		
Baseband (X-Band) Refresh											17290		
Baseband (Ka-Band) Refresh											4370		
ECOs								1060			567		
System Integration/Fielding Support		449			1381			300			325		
Documentation		400			500								
Program Management Admin		999			1095			1150			1200		
<b>Total:</b>		<b>4853</b>			<b>7118</b>			<b>41291</b>			<b>41089</b>		

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

Date:  
February 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: Enterprise Wideband Satellite Terminal Digital EQ (BB8501)							
<b>DCSS Equipment Racks and Fabrication</b>										
FY 2006	TYAD Tobyhanna, PA	WR	CECOM, Ft. Monmouth, NJ	Nov 05	Dec 05	25	53	Yes		
FY 2007	TYAD Tobyhanna, PA	WR	CECOM, Ft. Monmouth, NJ,	Nov 06	Dec 06	38	64	Yes		
FY 2008	TYAD Tobyhanna, PA	WR	CECOM, Ft Monmouth, NJ	Nov 07	Dec 07	30	60	Yes		
FY 2009	TYAD Tobyhanna, PA	WR	CECOM, Ft Monmouth, NJ	Nov 08	Dec 08	30	61	Yes		
<b>EBEM</b>										
FY 2006	ViaSat, Inc. Carlsbad, CA	C/FFP	CECOM, Ft Monmouth, NJ	Mar 06	May 07	100	6	Yes		
FY 2007	ViaSat, Inc. Carlsbad, CA	C/FFP	CECOM, Ft Monmouth, NJ	Mar 07	May 08	100	6	Yes		
FY 2008	ViaSat, Inc. Carlsbad, CA	C/FFP	CECOM, Ft Monmouth, NJ	Mar 08	May 09	400	8	Yes		
FY 2009	ViaSat, Inc. Carlsbad, CA	C/FFP	CECOM, Ft Monmouth, NJ	Mar 09	May 10	400	8	Yes		
<b>MIDAS</b>										
FY 2006	Raytheon Marlborough, MA	C/FFP	CECOM, Ft. Monmouth, NJ	Apr 06	Feb 07	3	360	Yes		
FY 2007	Raytheon Marlborough, MA	C/FFP	CECOM, Ft. Monmouth, NJ	Apr 07	Feb 08	3	370	Yes		
FY 2008	Raytheon Marlborough, MA	C/FFP	CECOM, Ft Monmouth, NJ	Apr 08	Feb 09	4	313	Yes		
FY 2009	Raytheon Marlborough, MA	C/FFP	CECOM, Ft Monmouth, NJ	Apr 09	Feb 10	4	313	Yes		

REMARKS: TYAD - Tobyhanna Army Depot  
 FRHM - Fixed Regional Hub Node  
 ECO's - Engineer Change Orders

<b>FY 06 / 07 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE Enterprise Wideband Satellite Terminal Digital EQ (BB8501)	Date: February 2007
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COST ELEMENTS						Fiscal Year 06												Fiscal Year 07												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 06												Calendar Year 07																																							
						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																												
DCSS Equipment Racks and Fabrication																																																									
1	FY 06	A	25	0	25			A	2	2	3	3	3	2	3	3	3	1											0																												
1	FY 07	A	38	0	38															A	4	4	4	4	4	4	4	4	0																												
1	FY 08	A	30	0	30																								30																												
1	FY 09	A	30	0	30																								30																												
EBEM																																																									
2	FY 06	A	100	0	100								A														40	40	20	0																											
2	FY 07	A	100	0	100																			A					100																												
2	FY 08	A	400	0	400																								400																												
2	FY 09	A	400	0	400																								400																												
MIDAS																																																									
3	FY 06	A	3	0	3									A											2	1			0																												
3	FY 07	A	3	0	3																					A			3																												
3	FY 08	A	4	0	4																								4																												
3	FY 09	A	4	0	4																								4																												
Total			1137		1137			2	2	3	3	3	2	3	3	3	1			4	4	6	5	4	44	44	24	3	3	971																											
<table style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">O C T</td> <td style="text-align: center;">N O V</td> <td style="text-align: center;">D E C</td> <td style="text-align: center;">J A N</td> <td style="text-align: center;">F E B</td> <td style="text-align: center;">M A R</td> <td style="text-align: center;">A P R</td> <td style="text-align: center;">M A Y</td> <td style="text-align: center;">J U N</td> <td style="text-align: center;">J U L</td> <td style="text-align: center;">A U G</td> <td style="text-align: center;">S E P</td> <td style="text-align: center;">O C T</td> <td style="text-align: center;">N O V</td> <td style="text-align: center;">D E C</td> <td style="text-align: center;">J A N</td> <td style="text-align: center;">F E B</td> <td style="text-align: center;">M A R</td> <td style="text-align: center;">A P R</td> <td style="text-align: center;">M A Y</td> <td style="text-align: center;">J U N</td> <td style="text-align: center;">J U L</td> <td style="text-align: center;">A U G</td> <td style="text-align: center;">S E P</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>																												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						
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	Initial	0			0	0	0		
1	TYAD, Tobyhanna, PA	1	5	10		1	Initial	0	0	0	0
						1	Reorder	0	0	0	0
2	ViaSat, Inc., Carlsbad, CA	10	40	80		2	Initial	0	5	24	29
						2	Reorder	0	5	14	19
3	Raytheon, Marlborough, MA	1	2	4		3	Initial	0	11	8	19
						3	Reorder	0	6	10	16
							Initial				
							Reorder				
							Initial				
							Reorder				

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE Enterprise Wideband Satellite Terminal Digital EQ (BB8501)	Date: February 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																												
DCSS Equipment Racks and Fabrication																																																									
1	FY 06	A	25	25																									0																												
1	FY 07	A	38	38																									0																												
1	FY 08	A	30	0	30			A	3	3	3	3	3	3	3	3													0																												
1	FY 09	A	30	0	30															A	3	3	3	3	3	3	3	3	0																												
EBEM																																																									
2	FY 06	A	100	100																									0																												
2	FY 07	A	100	0	100								40	40	20														0																												
2	FY 08	A	400	0	400					A															80	80	80	80	0																												
2	FY 09	A	400	0	400																	A							400																												
MIDAS																																																									
3	FY 06	A	3	3																									0																												
3	FY 07	A	3	0	3					2	1																		0																												
3	FY 08	A	4	0	4							A													2	2			0																												
3	FY 09	A	4	0	4																				A				4																												
Total			1137	166	971			3	3	5	4	3	43	43	23	3	3			3	3	5	5	3	83	83	83	83	83	404																											
<table style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">O C T</td> <td style="text-align: center;">N O V</td> <td style="text-align: center;">D E C</td> <td style="text-align: center;">J A N</td> <td style="text-align: center;">F E B</td> <td style="text-align: center;">M A R</td> <td style="text-align: center;">A P R</td> <td style="text-align: center;">M A Y</td> <td style="text-align: center;">J U N</td> <td style="text-align: center;">J U L</td> <td style="text-align: center;">A U G</td> <td style="text-align: center;">S E P</td> <td style="text-align: center;">O C T</td> <td style="text-align: center;">N O V</td> <td style="text-align: center;">D E C</td> <td style="text-align: center;">J A N</td> <td style="text-align: center;">F E B</td> <td style="text-align: center;">M A R</td> <td style="text-align: center;">A P R</td> <td style="text-align: center;">M A Y</td> <td style="text-align: center;">J U N</td> <td style="text-align: center;">J U L</td> <td style="text-align: center;">A U G</td> <td style="text-align: center;">S E P</td> <td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>																												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						
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	TYAD, Tobyhanna, PA	1	5	10		1	Initial	0	0	0	NO PROCUREMENT LEAD TIME FOR DCSS EQUIPMENT - WORK EFFORT FOR SITE UPGRADES AND RACK FABRICATIONS ACCOMPLISHED BY TOBYHANNA ARMY DEPOT.
						2	Reorder	0	0	0	
2	ViaSat, Inc., Carlsbad, CA	10	40	80		2	Initial	0	5	24	
						3	Reorder	0	5	14	
						3	Initial	0	11	8	
						3	Reorder	0	6	10	
							Initial				
							Reorder				
							Initial				
							Reorder				

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE Enterprise Wideband Satellite Terminal Digital EQ (BB8501)	Date: February 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																											
DCSS Equipment Racks and Fabrication																																																									
1	FY 06	A	25	25																									0																												
1	FY 07	A	38	38																									0																												
1	FY 08	A	30	30																									0																												
1	FY 09	A	30	30																									0																												
EBEM																																																									
2	FY 06	A	100	100																									0																												
2	FY 07	A	100	100																									0																												
2	FY 08	A	400	400																									0																												
2	FY 09	A	400	0	400									80	80	80	80	80											0																												
MIDAS																																																									
3	FY 06	A	3	3																									0																												
3	FY 07	A	3	3																									0																												
3	FY 08	A	4	4																									0																												
3	FY 09	A	4	0	4																								0																												
Total			1137	733	404									80	80	80	80	80																																							
<table style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">O C T</td> <td style="text-align: center;">N O V</td> <td style="text-align: center;">D E C</td> <td style="text-align: center;">J A N</td> <td style="text-align: center;">F E B</td> <td style="text-align: center;">M A R</td> <td style="text-align: center;">A P R</td> <td style="text-align: center;">M A Y</td> <td style="text-align: center;">J U N</td> <td style="text-align: center;">J U L</td> <td style="text-align: center;">A U G</td> <td style="text-align: center;">S E P</td> <td style="text-align: center;">O C T</td> <td style="text-align: center;">N O V</td> <td style="text-align: center;">D E C</td> <td style="text-align: center;">J A N</td> <td style="text-align: center;">F E B</td> <td style="text-align: center;">M A R</td> <td style="text-align: center;">A P R</td> <td style="text-align: center;">M A Y</td> <td style="text-align: center;">J U N</td> <td style="text-align: center;">J U L</td> <td style="text-align: center;">A U G</td> <td style="text-align: center;">S E P</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>																												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						
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	TYAD, Tobyhanna, PA	1	5	10		1	Initial	0	0	0	NO PROCUREMENT LEAD TIME FOR DCSS EQUIPMENT - WORK EFFORT FOR SITE UPGRADES AND RACK FABRICATIONS ACCOMPLISHED BY TOBYHANNA ARMY DEPOT.
							Reorder	0	0	0	
2	ViaSat, Inc., Carlsbad, CA	10	40	80		2	Initial	0	5	24	
							Reorder	0	5	14	
3	Raytheon, Marlborough, MA	1	2	4		3	Initial	0	11	8	
							Reorder	0	6	10	
							Initial				
							Reorder				

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

Date: February 2007

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

P-1 Item Nomenclature  
Enterprise Wideband Interconnect Facility (BB8504)

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	194.2	9.4	11.9	5.5	5.6	8.6	8.1	7.4	7.6	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	194.2	9.4	11.9	5.5	5.6	8.6	8.1	7.4	7.6	Continuing	Continuing
Initial Spares											
Total Proc Cost	194.2	9.4	11.9	5.5	5.6	8.6	8.1	7.4	7.6	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**

The Enterprise Wideband Interconnect Facility executes the Army's responsibility to install and relocate strategic Earth Terminals procured by Product Manager, Defense Communications and Army Transmission Systems (PM DCATS). For the Army, this program also designs, procures and installs the interconnect facility to interface the equipment with existing Technical Control and Special User Facilities.

**Justification:**

FY08/09 procures equipment in support of the Defense Information Systems Agency (DISA) and Joint Chiefs of Staff (JCS) directed satellite ground terminal relocations supporting the realignment of US forces worldwide. Installation of equipment provides the necessary reachback capabilities and secure satellite communications infrastructures for the deployed units supporting Operation Enduring and Iraqi Freedom. Changes in overseas manning, troop dispositions, and reachback requirements necessitate a flexibility in the deployment of the strategic ground resources.



OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		Total Cost \$000	Qty Units	Unit Cost \$000	Total Cost \$000	Qty Units	Unit Cost \$000	Total Cost \$000	Qty Units	Unit Cost \$000	Total Cost \$000	Qty Units	Unit Cost \$000
Install, and Test		4500			4875			2000			1800		
Deactivation/relocation		414			1616			100			1188		
Interconnect Facility Upgrades		500			750			293					
Site Engineering Support		2000			2200			800			800		
Bill of Materials/Supplies		200			100			50			50		
Project Management Administration		450			690			700			700		
Government Support		1275			1310			1000			1000		
Site Preparation								100			100		
Wideband Configuration Mgt System		100			350			500					
<b>Total:</b>		<b>9439</b>			<b>11891</b>			<b>5543</b>			<b>5638</b>		

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

Date: February 2007

Appropriation / Budget Activity / Serial No: P-1 Item Nomenclature  
 Other Procurement, Army / 2 / Communications and Electronics Equipment Enterprise Wideband Sat Payload Control System (BB8509)

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	638.3	15.3	15.6	20.1	20.2	39.7	32.0	32.7	33.4	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc PI	638.3	15.3	15.6	20.1	20.2	39.7	32.0	32.7	33.4	Continuing	Continuing
Initial Spares											
Total Proc Cost	638.3	15.3	15.6	20.1	20.2	39.7	32.0	32.7	33.4	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**  
 The Enterprise Wideband Satellite Payload Control System provides for the management of Defense Satellite Communications System (DSCS) and Wideband Global SATCOM (WGS) earth terminal and satellite resources, which are required for rapid and efficient reaction to operational needs in support of the warfighter. State-of-the-art strategic satellite payload network control and planning systems for use with DSCS, WGS, and commercial satellite systems are procured and installed at Wideband Satellite Operation Centers worldwide. Payload control functions control and configure the satellites. Network control functions manage communications between operators and processors, generate and drive display formats, and maintain and provide rapid access to the network databases. The Army's effort to digitize forces has created a tremendous increase in demand for bandwidth. The Enterprise Wideband Satellite Payload Control Subsystems ensure efficient use of satellite power and resources, overcoming existing and projected bandwidth constraints, and allow U.S. forces to achieve information superiority on the battlefield. Enterprise Wideband Satellite Payload Control Systems also provide reliable satellite communications networks to support unique user mission requirements vital to national security under stressed and unstressed conditions. The Objective DSCS Operations Control System (ODOCS) will modernize and integrate legacy subsystems. It will replace the existing (largely manual) control system, provide enhanced control, and increase overall system availability for additional user requirements and missions, without increased operations and maintenance costs.

**Justification:**  
 FY08/09 procures the start of the Replacement Radio Frequency Interconnecting System (RRFIS), continues the Joint Management Operations System (JMOS), and completes the Integrated Monitoring and Power Control Subsystem (IMPCS) Phase I program. RRFIS provides RF, IF and data connectivity capabilities between the Wideband Satellite Operations Centers (WSOC) and collocated C-Band, X-Band, Ku-Band and Ka-Band Earth Terminals. JMOS is required for integrated management and control of Internet Protocol (IP) and Radio Frequency (RF) performance over transponded Defense Satellite Communications System (DSCS) and Wideband Global SATCOM (WGS) satellites. JMOS will provide the integrated tools and dashboard views that enable efficient and effective communication performance of IP networks and monitors overall IP performance and status. IMPCS Phase I provides a spectrum monitoring capability for the DSCS and WGS constellations. FY08/09 also procures software, engineering changes, system integration, and security certification of current and prior year procurements.

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>													
GSCCE		5800	2	2900									
JMOS					3283	7	469	874	2	437			
RRFIS								3400	4	850	3200	4	800
IMPCS											2610	18	145
SOFTWARE		2079			2861			3419			3142		
Test													
ECPs								2261			1317		
Government Engineering		2497			2495			2575			2600		
Contractor Engineering		1543			1556			1575			1625		
System Integration		663			2396			2385			2400		
Documentation								340			400		
Fielding		1509			1823			2073			1677		
PM Admin		1197			1212			1225			1275		
<b>Total:</b>		<b>15288</b>			<b>15626</b>			<b>20127</b>			<b>20246</b>		

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

Date:  
February 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>GSCCE</b>	Boeing Satellite Systems Los Angeles, CA	C/FP	AIR FORCE, Los Angeles, CA	Apr 06	Oct 07	2	2900	Yes		
FY 2006										
<b>JMOS</b>										
FY 2007										
FY 2008										
<b>RRFIS</b>										
FY 2008										
FY 2009										
<b>IMPCS</b>	ITT Industries Colorado Springs, CO	C/FP Optio	CECOM, Ft. Monmouth, NJ	Mar 09	Mar 10	18	145	Yes		
FY 2009										

REMARKS: GSCCE - Gapfiller Satellite Configuration Control Element  
 JMOS - Joint Management Operations System  
 RRFIS - Replacement Radio Frequency Interconnecting System  
 IMPCS - Integrated Monitoring and Power Control System

<b>FY 06 / 07 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE Enterprise Wideband Sat Payload Control System (BB8509)	Date: February 2007
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COST ELEMENTS						Fiscal Year 06													Fiscal Year 07													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 06													Calendar Year 07																																
						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																						
GSCCE																																																			
1	FY 06	A	2	0	2																								2																						
JMOS																																																			
2	FY 07	A	7	0	7																								7																						
2	FY 08	A	2	0	2																								2																						
RRFIS																																																			
	FY 08	A	4	0	4																								4																						
	FY 09	A	4	0	4																								4																						
IMPCS																																																			
4	FY 09	A	18	0	18																								18																						
Total																																																			
			37		37																								37																						
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">O C T</td> <td style="text-align: center;">N O V</td> <td style="text-align: center;">D E C</td> <td style="text-align: center;">J A N</td> <td style="text-align: center;">F E B</td> <td style="text-align: center;">M A R</td> <td style="text-align: center;">A P R</td> <td style="text-align: center;">M A Y</td> <td style="text-align: center;">J U N</td> <td style="text-align: center;">J U L</td> <td style="text-align: center;">A U G</td> <td style="text-align: center;">S E P</td> <td style="text-align: center;">O C T</td> <td style="text-align: center;">N O V</td> <td style="text-align: center;">D E C</td> <td style="text-align: center;">J A N</td> <td style="text-align: center;">F E B</td> <td style="text-align: center;">M A R</td> <td style="text-align: center;">A P R</td> <td style="text-align: center;">M A Y</td> <td style="text-align: center;">J U N</td> <td style="text-align: center;">J U L</td> <td style="text-align: center;">A U G</td> <td style="text-align: center;">S E P</td> </tr> </table>																												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
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	5				
1	Boeing Satellite Systems, Los Angeles, CA	1	1	1		1	Initial	0	6	18	24	
							Reorder	0	3	18	21	
2	TBS, TBS	1	1	1		2	Initial	0	6	8	14	
							Reorder	0	3	6	9	
3	TBS, TBS	1	1	1		3	Initial	0	5	12	17	
							Reorder	0	3	6	9	
4	ITT Industries, Colorado Springs, CO	1	2	4		4	Initial	0	5	12	17	
							Reorder	0	3	6	9	
							Initial					
							Reorder					

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE Enterprise Wideband Sat Payload Control System (BB8509)	Date: February 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	
GSCCE																														
1	FY 06	A	2	0	2	1	1																						0	
JMOS																														
2	FY 07	A	7	0	7			1	1	1	1	1	1	1															0	
2	FY 08	A	2	0	2				A					1	1														0	
RRFIS																														
	FY 08	A	4	0	4					A														1	1	1	1		0	
	FY 09	A	4	0	4																					1	1	1	1	
IMPCS																														
4	FY 09	A	18	0	18																								18	
Total																														
			37		37	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19	
						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	Initial	0			6	18	24			
1	Boeing Satellite Systems, Los Angeles, CA	1	1	1		1	Initial	0	6	18	24	
							Reorder	0	3	18	21	
2	TBS, TBS	1	1	1		2	Initial	0	6	8	14	
3	TBS, TBS	1	1	1			Reorder	0	3	6	9	
4	ITT Industries, Colorado Springs, CO	1	2	4		3	Initial	0	5	12	17	
							Reorder	0	3	6	9	
						4	Initial	0	5	12	17	
							Reorder	0	3	6	9	
							Initial					
							Reorder					

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE Enterprise Wideband Sat Payload Control System (BB8509)	Date: February 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	
GSCCE																														
	1	FY 06	A	2	2																								0	
JMOS																														
	2	FY 07	A	7	7																								0	
	2	FY 08	A	2	2																								0	
RRFIS																														
		FY 08	A	4	4																								0	
		FY 09	A	4	3	1	1																						0	
IMPCS																														
	4	FY 09	A	18	0	18						1	1	1	1	2	2	2	2	2	2	2	2						0	
Total																														
				37	18	19	1					1	1	1	1	2	2	2	2	2	2	2	2							
							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	Initial	0			6	18	24			
1	Boeing Satellite Systems, Los Angeles, CA	1	1	1		1	Initial	0	6	18	24	
							Reorder	0	3	18	21	
2	TBS, TBS	1	1	1		2	Initial	0	6	8	14	
							Reorder	0	3	6	9	
3	TBS, TBS	1	1	1			Initial	0	6	6	9	
							Reorder	0	3	6	9	
4	ITT Industries, Colorado Springs, CO	1	2	4		3	Initial	0	5	12	17	
							Reorder	0	3	6	9	
						4	Initial	0	5	12	17	
							Reorder	0	3	6	9	
							Initial					
							Reorder					

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

Date: February 2007

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

P-1 Item Nomenclature  
Enterprise Wideband Satellite Terminal - KaSTARS (BB8511)

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	17.2	0.8	0.5	13.4	11.5	10.2	2.3	3.9	4.1	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	17.2	0.8	0.5	13.4	11.5	10.2	2.3	3.9	4.1	Continuing	Continuing
Initial Spares											
Total Proc Cost	17.2	0.8	0.5	13.4	11.5	10.2	2.3	3.9	4.1	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**  
The Wideband Gapfiller Satellite (WGS) program is required to meet the current and emerging communications requirements of the warfighter and to augment the DSCS III/Service Life Extension Program (SLEP) Ground Communications System. The Ka-Band terminals will provide the deployed Warfighters the ability to take advantage of the increased satellite connectivity and provide the means for the WGS Control Segment to control Gapfiller payloads and user communications networks. The new Ka-Band terminals will support the increased communications requirements of the Combatant Commanders. This system will augment the long-haul transmission capabilities of the Defense Information Systems Network (DISN) which are vital to DoD and Non-DoD users worldwide.

**Justification:**  
FY08/09 procures two KaSTARS terminals and associated support FY09 will also procure one training simulator.



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							6931	2	3466	6755	2	3378	
ECO							416			405			
Training Simulator										1500	1	1500	
PPSS							700			81			
Data							93			95			
Test Equipment							162			166			
MET Non-Recurring							4273						
Training							32			32			
Site Preparation & Installation							169			1913			
Government/Contractor Support		808			503		600			600			
<b>Total:</b>		<b>808</b>			<b>503</b>		<b>13376</b>			<b>11547</b>			

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

Date: February 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	228.0	32.3	28.3	8.8	0.3			22.7			320.5
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	228.0	32.3	28.3	8.8	0.3			22.7			320.5
Initial Spares											
Total Proc Cost	228.0	32.3	28.3	8.8	0.3			22.7			320.5
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 FY04 and prior were integrated into M1113 Expanded Capability Vehicles (ECVs). Terminals procured FY05 and beyond are being integrated into M1152 ECVs and Integrated Armor Package (IAP) M1152 ECVs. The final truck configuration, yet to be determined, will be fully armored. Funding for the fully armored effort is in FY2012. 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 and FY09 will procure 1 Tactical SHF Quad-Band Terminal to meet goal APO of 66 terminals. Funds Wideband Gapfiller Satellite (WGS) Multiservice Operations Test & Evaluation (MOTE). Funding for WGS MOTE enables Phoenix to be a participant and to verify operation over WGS. Additionally, FY08 and FY09 pays for the Program Management Office (PMO) to monitor the manufacturing and delivery of twelve (12) terminals and their fieldings as well as ECPs and their fieldings. The SHF terminal provides a highly mobile, strategically transportable, wideband communications capability which significantly enhances the warfighter's intra- and inter-theater communications in support of GWOT and other tactical forces.

FY2006 includes supplemental funding in the amount of \$10 million to support the Global War On Terrorism (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: SHF TERM (BA9350)			Weapon System Type:		Date: February 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
SHF Terminals	A	19867	13	1528	16335	11	1485	1760	1	1760			
GFE		818			877			80					
Data		526			200			732					
Contractor Support		520			1625			1450					
Engineering Support		701			926			773					
Government Program Management		1451			2131			1969			30		
Logistics/Fielding		2267			2488			546			270		
Modularity Fielding		1991											
ECPs		4204			3763			867					
WGS MOTE								613					
<b>Total:</b>		<b>32345</b>			<b>28345</b>			<b>8790</b>			<b>300</b>		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: SHF TERM (BA9350)							
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>SHF Terminals</b>										
FY 2006	L3 Communications - West Salt Lake City, UT	C/FFP/OPT	CE-LCMC	Apr 06	Apr 07	7	1528	Yes		
FY 2006	L3 Communications - West Salt Lake City, UT	C/FFP/OPT	CE-LCMC	Jul 06	Jan 08	5	1528	Yes		
FY 2006	L3 Communications - West Salt Lake City, UT	C/FFP/OPT	CE-LCMC	Mar 07	Jul 08	1	1528	Yes		
FY 2007	L3 Communications - West Salt Lake City, UT	C/FFP/OPT	CE-LCMC	Mar 07	Jul 08	11	1485	Yes		
FY 2008	L3 Communications - West Salt Lake City, UT	C/FFP/OPT	CE-LCMC	Jan 08	Jan 09	1	1760	Yes		

REMARKS: Procuring one (1) Phoenix terminal with FY2006 funds in FY2007 to achieve an economic order quantity procurement.





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

Date: February 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	480										480
Gross Cost	148.0	6.2	4.8	0.8	0.8	0.7	0.7			Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	148.0	6.2	4.8	0.8	0.8	0.7	0.7			Continuing	Continuing
Initial Spares											
Total Proc Cost	148.0	6.2	4.8	0.8	0.8	0.7	0.7			Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C	0.3									Continuing	Continuing

**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:**

FY08/09 will procure Demand Assigned Multiple Access (DAMA) training.

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

Date: February 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	81505	45797	23927	29036	15208	24089	19363	24087	22336	Continuing	Continuing
Gross Cost	429.1	116.8	77.9	86.9	52.0	75.8	66.0	75.8	70.0	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	429.1	116.8	77.9	86.9	52.0	75.8	66.0	75.8	70.0	Continuing	Continuing
Initial Spares											
Total Proc Cost	429.1	116.8	77.9	86.9	52.0	75.8	66.0	75.8	70.0	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**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 largely 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 (Precision Lightweight GPS Receiver [PLGR] and 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:**

FY 2008/2009 funds the procurement, fielding, and software support of the Defense Advanced GPS Receiver (DAGR). FY 2008 procures DAGRs to support fielding Combat, Combat Support, and Combat Service Support units in accordance with Army Campaign Plan requirements. FY 2008 also procures DAGRs to support the fielding of Force XXI Battle Command Brigade and Below (FBCB2) Blue Force Tracking systems to facilitate improved situational awareness across the force. FY 2008 funds re-utilization/cascade of the Precision Lightweight GPS Receiver (PLGR) from Active Army component units to Army National Guard (ARNG) and U.S. Army Reserve (USAR) component units. FY 2009 procures DAGRs to support fielding Combat, Combat Support, and Combat Service Support units in accordance with Army Campaign Plan requirements. FY 2009 also procures DAGRs to support the fielding of Force XXI Battle Command Brigade and Below (FBCB2) Blue Force Tracking systems to facilitate improved situational awareness across the force.

FY06/07 include supplemental funding of \$73 million and \$12.7 million, respectively, to support the global war on terrorism (GWOT).



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		106125	45797	2	56540	23927	2	69686	29036	2	36498	15208	2
DAGR/SDA					3900								
GB-GRAM Competition					1900								
PLGR Re-Utilization					1600			1500					
Software Support		893			1106			1471			1425		
<b>Product Support:</b>													
Total Package Fielding		5151			9006			8998			8740		
Program Management		3722			3017			3521			3584		
Government In-House		710			695			838			851		
Integration Engineering		104			34			150			162		
Test and Evaluation		100			150			713			724		
<b>Total:</b>		<b>116805</b>			<b>77948</b>			<b>86877</b>			<b>51984</b>		

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

Date:  
February 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: NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE) (K47800)					
<b>DAGR Acquisition</b>										
FY 2006	Rockwell Collins, Inc. Cedar Rapids, IA	FFP/ID/IQ	Los Angeles AFB, CA	Jan 06	May 06	45797	2	Yes		
FY 2007	Rockwell Collins, Inc. Cedar Rapids, IA	FFP/ID/IQ	Los Angeles AFB, CA	Nov 06	May 07	23927	2	Yes		
FY 2008	Rockwell Collins, Inc. Cedar Rapids, IA	FFP/ID/IQ	Los Angeles AFB, CA	Jan 08	Jun 08	29036	2	Yes		
FY 2009	Rockwell Collins, Inc. Cedar Rapids, IA	FFP/ID/IQ	Los Angeles AFB, CA	Jan 09	Jun 09	15208	2	Yes		

REMARKS:

<b>FY 06 / 07 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE) (K47800)	Date: February 2007
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COST ELEMENTS						Fiscal Year 06												Fiscal Year 07												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 06												Calendar Year 07												
						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	

DAGR Acquisition																															
1	FY 06		45797	0	45797																										
1	FY 07		23927	0	23927																										
1	FY 08		29036	0	29036																										
1	FY 09		15208	0	15208																										
Total			113968		113968																										
						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	Rockwell Collins, Inc., Cedar Rapids, IA	500	3500	4800		1	Initial	0	4	6	10	FY06 funded 3 Separate Delivery Orders Awarded in Jan 06, Jul 06, and Nov 06.
							Reorder	0	2	6	8	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE) (K47800)	Date: February 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	

DAGR Acquisition																																	
1	FY 06		45797	35412	10385	2145	2145	2145	2145	453	453	450	449															0					
1	FY 07		23927	9970	13957	1994	1994	1994	1994	1994	1994	1993																	0				
1	FY 08		29036	0	29036				A					2420	2420	2420	2420	2420	2420	2420	2420	2420	2420	2420	2420	2420	2416			0			
1	FY 09		15208	0	15208																					A			1268	1268	1268	1268	10136
Total			113968	45382	68586	4139	4139	4139	4139	2447	2447	2443	449	2420	2420	2420	2420	2420	2420	2420	2420	2420	2420	2420	2420	2420	2420	2416	1268	1268	1268	1268	10136
						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	Rockwell Collins, Inc., Cedar Rapids, IA	500	3500	4800		1	Initial	0	4	6	10	FY06 funded 3 Separate Delivery Orders Awarded in Jan 06, Jul 06, and Nov 06.
							Reorder	0	2	6	8	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

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

DAGR Acquisition																													
1	FY 06		45797	45797																								0	
1	FY 07		23927	23927																								0	
1	FY 08		29036	29036																								0	
1	FY 09		15208	5072	10136	1268	1268	1268	1268	1268	1268	1260																0	
Total			113968	103832	10136	1268	1268	1268	1268	1268	1268	1260																	
						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	Rockwell Collins, Inc., Cedar Rapids, IA	500	3500	4800		1	Initial	0	4	6	10	
							Reorder	0	2	6	8	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

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

Date: February 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: 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	346.2	13.8	62.1	50.4	78.2	13.5	11.1	11.9	11.4	19.7	618.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	346.2	13.8	62.1	50.4	78.2	13.5	11.1	11.9	11.4	19.7	618.4
Initial Spares	12.8	4.6	6.3	10.6	16.5	13.7					64.5
Total Proc Cost	359.0	18.5	68.4	61.0	94.8	27.1	11.1	11.9	11.4	19.7	682.8
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 for all Army units to include current and future units (Corps, Divisions and Brigade Combat Teams (BCT)). 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 and will participate in AEHF satellite interoperability testing though FY10. 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. This program is designated as a DoD Space Program.

**Justification:**

FY08 and FY09 procures SMART-T Advanced Extremely High Frequency (AEHF) upgrade kits and fielding support, logistics and training for prior years' SMART-T procurements.

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: SMART-T (SPACE) (BC4002)			Weapon System Type:			Date: February 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
SMART-T													
Contract Terminal Cost													
AEHF Upgrade Mod Kits					44829	76	590	34285	57	601	62576	102	613
Engineering Support		914			5660			3812			3892		
Data													
System Project Mgmt/Gov't		3488			4542			4555			4737		
System Test & Evaluation		217			1902			1958			2282		
GFE		7605			1805			1323			285		
Fielding		1618			3354			4479			4476		
Modularity/Army National Guard													
OIF													
<b>Total:</b>		<b>13842</b>			<b>62092</b>			<b>50412</b>			<b>78248</b>		

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

Date:  
February 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>AEHF Upgrade Mod Kits</b>										
FY 2007	Raytheon Largo, FL	SS/FP	CE-LCMC	Mar 07	Jun 08	76	590	yes		Nov 06
FY 2008	Raytheon Largo, FL	SS/FP/OPT	CE-LCMC	Jan 08	Apr 09	57	601	yes		
FY 2009	Raytheon Largo, FL	SS/FP/OPT	CE-LCMC	Jan 09	Apr 09	102	613	yes		

REMARKS: 1. The Army Acquisition Objective for SMART-T was completed following the February 2005 contract award.



<b>FY 07 / 08 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE SMART-T (SPACE) (BC4002)	Date: February 2007
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COST ELEMENTS						Fiscal Year 07												Fiscal Year 08												Later	
MFR	FY	S E R V	PROC QTY Each	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																															
1	FY 05	A	63	27	36	8	8	8	3	3	3	3																0			
1	FY 05	FMS	26	6	20				5	5	5	5																0			
AEHF Upgrade Mod Kits																															
2	FY 07	A	76	0	76						A															7	7	5	5	52	
2	FY 07	FMS	26	0	26						A															2	2	2	2	18	
2	FY 07	MC	24	0	24						A																	3	3	18	
2	FY 07	OTH	4	0	4						A															2	1	1	0		
2	FY 08	A	57	0	57																									57	
2	FY 08	AF	26	0	26																									26	
2	FY 08	MC	18	0	18																									18	
2	FY 08	OTH	4	0	4																									4	
2	FY 09	A	102	0	102																									102	
2	FY 09	OTH	2	0	2																									2	
Total						428	33	395	8	8	8	8	8	8	8												9	11	11	11	297
						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	Raytheon, Largo, FL	1	8	16		1	Initial	0	9	17	262 terminals were procured for the Army and other Services during the FY96-FY04 timeframe; these terminals have been delivered.
							Reorder	0	3	18	
2	Raytheon, Largo, FL	1	15	30		2	Initial	0	9	15	FY05 terminal buy completes AAO buyout.
							Reorder	0	3	18	
							Initial				- AEHF UPGRADE MOD KITS SMART-Ts upgraded to support next generation AEHF satellite. Buys in FY07/08/09.
							Reorder				
							Initial				- FMS 26 FMS SMART-Ts will be fielded only as International Partners Variant AEHF terminals.
							Reorder				
							Initial				
							Reorder				

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE SMART-T (SPACE) (BC4002)	Date: February 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	

SMART-T																													
1	FY 05	A	63	63																								0	
1	FY 05	FMS	26	26																								0	
AEHF Upgrade Mod Kits																													
2	FY 07	A	76	24	52	7	8	7	7	7	8	4	4															0	
2	FY 07	FMS	26	8	18	2	2	2	2	3	3	2	2															0	
2	FY 07	MC	24	6	18	2	2	2	3	2	2	3	2															0	
2	FY 07	OTH	4	4																								0	
2	FY 08	A	57	0	57							1	1	6	6	6	6	5	5	6	5	5	5					0	
2	FY 08	AF	26	0	26							1	1	2	2	2	2	3	2	3	2	3	3					0	
2	FY 08	MC	18	0	18									1	1	2	2	2	2	2	2	2	2					0	
2	FY 08	OTH	4	0	4									1	2	1												0	
2	FY 09	A	102	0	102				A														9	9	9	9	9	48	
2	FY 09	OTH	2	0	2				A														1	1				0	
Total			428	131	297	11	12	11	12	12	13	11	11	11	10	10	10	10	9	11	9	10	10	10	10	9	9	9	48
						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	After 1 Oct			
1	Raytheon, Largo, FL	1	8	16		1	0	9	17	26	- SMART-T 262 terminals were procured for the Army and other Services during the FY96-FY04 timeframe; these terminals have been delivered.
							0	3	15	18	
2	Raytheon, Largo, FL	1	15	30		2	0	9	15	24	FY05 terminal buy completes AAO buyout.
							0	3	15	18	
											- AEHF UPGRADE MOD KITS SMART-Ts upgraded to support next generation AEHF satellite. Buys in FY07/08/09.
											- FMS 26 FMS SMART-Ts will be fielded only as International Partners Variant AEHF terminals.

<b>FY 11 / 12 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE SMART-T (SPACE) (BC4002)	Date: February 2007
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COST ELEMENTS						Fiscal Year 11												Fiscal Year 12												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 11												Calendar Year 12												
						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																													
1	FY 05	A	63	63																								0	
1	FY 05	FMS	26	26																								0	
AEHF Upgrade Mod Kits																													
2	FY 07	A	76	76																								0	
2	FY 07	FMS	26	26																								0	
2	FY 07	MC	24	24																								0	
2	FY 07	OTH	4	4																								0	
2	FY 08	A	57	57																								0	
2	FY 08	AF	26	26																								0	
2	FY 08	MC	18	18																								0	
2	FY 08	OTH	4	4																								0	
2	FY 09	A	102	54	48	9	9	9	8	7	6																	0	
2	FY 09	OTH	2	2																								0	
Total			428	380	48	9	9	9	8	7	6																		
						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	8	16		1	Initial	0	9	17	26	262 terminals were procured for the Army and other Services during the FY96-FY04 timeframe; these terminals have been delivered.
							Reorder	0	3	15	18	
2	Raytheon, Largo, FL	1	15	30		2	Initial	0	9	15	24	FY05 terminal buy completes AAO buyout.
							Reorder	0	3	15	18	
							Initial					- AEHF UPGRADE MOD KITS SMART-Ts upgraded to support next generation AEHF satellite. Buys in FY07/08/09.
							Reorder					
							Initial					- FMS 26 FMS SMART-Ts will be fielded only as International Partners Variant AEHF terminals.
							Reorder					
							Initial					
							Reorder					

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

Date: February 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: SCAMP (SPACE) (BC4003)

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	68.1	0.6	1.0	1.3							71.0
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	68.1	0.6	1.0	1.3							71.0
Initial Spares											
Total Proc Cost	68.1	0.6	1.0	1.3							71.0
Flyaway U/C											
Weapon System Proc U/C											

**Description:**  
 The SCAMP Terminal provides a manportable, four simultaneous channel, full duplex data/half duplex voice communications and data transfer system at 2400 bps each. These satellite terminals are employed by units that require range extension for command and control communications. SCAMP provides priority tactical ground users with the capability to transmit and receive intelligence, command, and control traffic from a base station. It transmits in the Extremely High Frequency (EHF) band and receives in the Super High Frequency (SHF) band. It provides Low Data Rate (LDR) secure voice at 2400 bps and secure data at 75-2400 bps, as well as interface with Common Hardware/Software devices such as the Lightweight Computer Units and the Hand-Held Terminal Unit. The SCAMP is fully interoperable within the Army C4I Technical Architecture. The terminal has embedded COMSEC and TRANSEC with set-up and tear-down in less than 10 minutes. In addition to operation on Milstar satellites, the SCAMP will operate on all satellites which utilize the MIL-STD-1582D LDR waveform. It operates in environmental conditions that include rain, fog, snow, haze and dust, and operates in the transmit, receive or stand-by mode throughout an entire mission (typically 30 days). SCAMP is the first EHF manportable terminal and provides direct support to the tactical warfighter mobile forces with greater anti-jam protection, lower probability of intercept, and lower probability of detection. Army SCAMP terminals are designated for Commanders at Division and Above levels. SCAMP provides manportable EHF/LDR communications using the on-orbit satellites, and future launches. All 397 SCAMP terminals have been procured in prior years and are fielded throughout the Army. This program is designated as a DoD Space Program.

**Justification:**  
 FY08 and FY09 funding procures training support to Units with fielded terminals and continues Integrated Logistics Support (ILS) for Warranty Review Board and SCAMP National Maintenance Contract efforts while the systems remain under warranty.

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

Date: February 2007

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

P-1 Item Nomenclature  
GLOBAL BRDCST SVC - GBS (BC4120)

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	70.0	13.1	16.7	33.4	32.3	5.8	3.9	4.0	4.1		183.3
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	70.0	13.1	16.7	33.4	32.3	5.8	3.9	4.0	4.1		183.3
Initial Spares											
Total Proc Cost	70.0	13.1	16.7	33.4	32.3	5.8	3.9	4.0	4.1		183.3
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

Global Broadcast Service (GBS) is a Joint Program that satisfies the need for a high-speed, one-way broadcast of high volume multi-media information to users world-wide. GBS provides deployed users access to national level repositories of intelligence products and other critical mission planning tools. GBS is the primary means of rebroadcasting theater Unmanned Aerial Vehicle (UAV) products to deployed users supporting Operation Iraqi Freedom (OIF) and Operation Enduring Freedom (OEF). The Air Force (AF) was designated as the executive service and leads the Joint Program Office (JPO). The Army is the ACAT III manager for the Transportable Ground Receive Suites (TGRS) and the Theater Injection Point (TIP). In FY03, the Office of Secretary of Defense directed the change of the GBS system architecture from Asynchronous Transfer Mode (ATM) to Internet Protocol (IP). The IP hardware provides increased performance, reliability, and maintainability for GBS users. The Army supports the GBS JPO for the development and procurement of the TGRS and the TIP. The TGRS consists of a Receive Broadcast manager (RBM) and a small satellite antenna called the Next Generation Receive Terminal (NGRT). The antenna receives and sends a downlink signal to the RBM for processing and distribution to the Local Area Network (LAN) end user. GBS is designated as a Department of Defense Space System and the combination of the NGRT and the IP RBM provides an ORD compliant TGRS. The TIP consists of a Transportable Satellite Broadcast manager (TSBM) that builds the product broadcast and a Radio Frequency (RF) injector that transmits the data stream to the satellite. The RF injector portion of the TIP is the Phoenix Block 2 Terminal. The TIP provides an in-theater injection capability to the GBS architecture distributing vital Joint Task Force Commanders' in-theater information to TGRS.

**Justification:**

FY08/FY09 will procure 190 and 116 Transportable Ground Receive Suites (TGRS) respectively. This procurement continues toward meeting the Army's Authorized Procurement Objective (APO) of 557 ORD compliant TGRS and three Theater Injection Point (TIPs).

FY06 includes supplemental funds in the amount of \$8.5 million to support the global war on terrorism (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: GLOBAL BRDCST SVC - GBS (BC4120)			Weapon System Type:			Date: February 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
Transportable Ground Receive Suite (TGRS)		5828	59	99	6324	62	102	22420	190	118	13920	116	120
Theater Satellite Broadcast Mngr (TSBM)													
Next Generation Receive Terminal (NGRT)													
SHF Terminal (replaces TTI RF head)					2870	2	1435						
GFE		535			680			2090			1508		
Government Engineering		1978			1634			2401			2727		
Government Program Management		676			613			637			978		
Test		360			1056			250			100		
Contractor Logistics Support		1864			1600			3423			4428		
Fielding		1883			1959			2226			4857		
ECP											3800		
<b>Total:</b>		<b>13124</b>			<b>16736</b>			<b>33447</b>			<b>32318</b>		

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

Date:  
February 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: GLOBAL BRDCST SVC - GBS (BC4120)					
<b>Transportable Ground Receive Suite (TGRS)</b>										
FY 2006	Raytheon (TGRS) Reston, VA	C/OPT	Hanscom AFB, MA	Jul 06	Dec 06	59	99	Yes		
FY 2007	Raytheon (TGRS) Reston, VA	C/OPT	Hanscom AFB, MA	Mar 07	Aug 07	62	102	Yes		
FY 2008	TBS TBS	TBD	TBS	Feb 08	May 08	190	118			
FY 2009	TBS TBS	TBD	TBS	Feb 09	May 09	116	120			
<b>Theater Satellite Broadcast Mngr (TSBM)</b>										
FY 2005	Raytheon (TSBM) Reston, VA	C/OPT	Hanscom AFB, MA	Mar 05	Jun 07	1	3640	Yes		
FY 2005	Raytheon (TSBM) Reston, VA	C/OPT	Hanscom AFB, MA	Sep 05	Jul 07	2	3640	Yes		
<b>Next Generation Receive Terminal (NGRT)</b>										
FY 2005	Raytheon (NGRT) Reston, VA	C/OPT	Hanscom AFB, MA	May 05	Dec 05	42	69	Yes		

REMARKS: The Air Force anticipates a new contract award in FY08.

<b>FY 06 / 07 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE GLOBAL BRDCST SVC - GBS (BC4120)	Date: February 2007
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COST ELEMENTS						Fiscal Year 06										Fiscal Year 07										Later													
MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 06										Calendar Year 07																							
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY		JUN	JUL	AUG	SEP									
Transportable Ground Receive Suite (TGRS)																																							
1	FY 06	A	59	0	59												A								3	8	8	8	8	8	8	8						0	
1	FY 07	A	62	0	62																															16	16	30	
1	FY 08	A	190	0	190																																	190	
1	FY 09	A	116	0	116																																	116	
Theater Satellite Broadcast Mngr (TSBM)																																							
2	FY 05	A	1	0	1																																1		0
2	FY 05	A	2	0	2																																1	1	0
Next Generation Receive Terminal (NGRT)																																							
3	FY 05	A	42	0	42																					8	8	10	8	8									0
Total																																							
			472		472																					11	16	18	16	16			8	9	9	16	17	336	
						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	Raytheon (TGRS), Reston, VA	8				16	32	1	Initial	
						Reorder	0	1	6	7		
2	Raytheon (TSBM), Reston, VA	1	2	2	2	Initial	9	3	15	18		
						Reorder	0	2	11	13		
3	Raytheon (NGRT), Reston, VA	16	32	32	3	Initial	10	0	8	8		
						Reorder	0	1	6	7		
						Initial						
						Reorder						
						Initial						
						Reorder						



<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE GLOBAL BRDCST SVC - GBS (BC4120)	Date: February 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					
Transportable Ground Receive Suite (TGRS)																																		
1	FY 06	A	59	59																									0					
1	FY 07	A	62	32	30	16	14																						0					
1	FY 08	A	190	0	190					A				16	16	16	16	16	16	16	16	16	16	16	16	16	14		0					
1	FY 09	A	116	0	116																					A		16	16	16	16	16	16	36
Theater Satellite Broadcast Mngr (TSBM)																																		
2	FY 05	A	1	1																										0				
2	FY 05	A	2	2																										0				
Next Generation Receive Terminal (NGRT)																																		
3	FY 05	A	42	42																										0				
Total																																		
			472	136	336	16	14							16	16	16	16	16	16	16	16	16	16	16	16	16	14	16	16	16	16	16	36	
						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								
1	Raytheon (TGRS), Reston, VA	8	16	32		1	Initial	6	8	9	17	Production line shared with other Services.
							Reorder	0	1	6	7	
2	Raytheon (TSBM), Reston, VA	1	2	2		2	Initial	9	3	15	18	
							Reorder	0	2	11	13	
3	Raytheon (NGRT), Reston, VA	16	32	32		3	Initial	10	0	8	8	
							Reorder	0	1	6	7	
							Initial					
							Reorder					
							Initial					
							Reorder					

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

Date: February 2007

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

P-1 Item Nomenclature  
MOD OF IN-SVC EQUIP (TAC SAT) (BB8417)

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	337.3	7.3	9.1	6.0	6.1	2.8	1.5				370.1
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	337.3	7.3	9.1	6.0	6.1	2.8	1.5				370.1
Initial Spares											
Total Proc Cost	337.3	7.3	9.1	6.0	6.1	2.8	1.5				370.1
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

Mod of In-Svc Equipment (TACSAT) funds the upgrades to Army tactical satellite communications equipment. This Mod of In-Svc funding also procures AS-4429 Lightweight High Gain X-Band Antennas (LHGXA) with associated fielding and training support. It is a 16 foot diameter dish, offset fed, trailer mounted, high gain antenna. It operates with the current generation of AN/TSC-85B/93D TACSAT terminals and the next generation AN/TSC-156B PHOENIX terminals. LHGXAs are fielded to Army National Guard and Reserve Signal Battalions. Additionally, this Mod of In-Svc funding procures and fields Advanced EHF Mission Planning Element (AMPE) equipment. AMPE replaces the current Communications Planning System (AN/PSQ-17). The AMPE will be an integrated tool on which current and future Milstar, and AEHF planning will be performed.

**Justification:**

FY08/FY09 funding procures Advanced EHF Mission Planning Element (AMPE), fielding and training.

<b>Exhibit P-40M, Budget Item Justification Sheet</b>											Date: February 2007	
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment						P-1 Item Nomenclature MOD OF IN-SVC EQUIP (TAC SAT) (BB8417)						
Program Elements for Code B Items:								Code:		Other Related Program Elements:		
Description		Fiscal Years										
OSIP No.	Classification	2006 & PR	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	TC	Total	
MOD OF IN SVC												
0-00-00-0000		337.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	337.5	
LHGXA												
0-00-00-0000		5.2	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	
AMPE												
0-00-00-0000		2.1	3.7	6.0	6.1	2.8	1.5	0.0	0.0	0.0	22.2	
Totals												
		344.6	9.1	6.0	6.1	2.8	1.5	0.0	0.0	0.0	370.1	

**INDIVIDUAL MODIFICATION**

Date: February 2007

MODIFICATION TITLE: MOD OF IN SVC [MOD 2] 0-00-00-0000

MODELS OF SYSTEM AFFECTED:

DESCRIPTION / JUSTIFICATION:

This program provides a tactical satellite communications capability to meet critical Ground Mobile Forces (GMF) Command, Control, Communications, Computers and Intelligence (C4I) needs not satisfied by conventional terrestrial communications systems. The GMF are those components of the Army, Navy, Air Force, Marine Corps, Special Operations Forces and Joint Communications Support Elements engaged in land, tactical air combat, and amphibious operations ranging from single-service crisis missions to mutually supportive joint-service combat scenarios. Mod of In-Svc Equipment (TACSAT) funds the upgrades to Army Tactical Satellite Communications Equipment.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

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	FY 2012			FY 2013			FY 2014			FY 2015			To Complete	Totals
	2	3	4	1	2	3	1	2	3	1	2	3		
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: February 2007

MODIFICATION TITLE (cont): MOD OF IN SVC [MOD 2] 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>RD&amp;E</b>																			
<b>Procurement</b>		337.3		0.2																337.5
Kit Quantity																				
Installation Kits																				
Installation Kits, Nonrecurring																				
Equipment																				
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
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		337.3		0.2		0.0		0.0		0.0		0.0		0.0		0.0		0.0		337.5

**INDIVIDUAL MODIFICATION**

Date: February 2007

MODIFICATION TITLE: LHGXA [MOD 3] 0-00-00-0000

MODELS OF SYSTEM AFFECTED:

DESCRIPTION / JUSTIFICATION:

FY07 funding procures AS-4429 Lightweight High Gain X-Band Antennas (LHGXA) with associated fielding and training support. It is a 16 foot diameter dish, offset fed, trailer mounted, high gain antenna. It operates with the current generation of AN/TSC-85B/93D TACSAT terminals and the next generation AN/TSC-156B PHOENIX terminals. FY07 procures 8 to the National Guard and 4 to Reserves.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

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	13	12																		
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																		25
Outputs																		25

METHOD OF IMPLEMENTATION: HARRIS CORP. ADMINISTRATIVE LEADTIME: 1 months PRODUCTION LEADTIME: 11 months  
 Contract Dates: FY 2008 - 01 DEC 07 FY 2009 - FY 2010 -  
 Delivery Dates: FY 2008 - 31 DEC 08 FY 2009 - FY 2010 -

**INDIVIDUAL MODIFICATION**

Date: February 2007

MODIFICATION TITLE (cont): LHGXA [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>RD&amp;E</b>																			
<b>Procurement</b>	13	5.2	12	5.2															25	10.4
Kit Quantity																				
Installation Kits																				
Installation Kits, Nonrecurring																				
Equipment																				
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other																				
Interim Contractor Support																				
<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		5.2		5.2		0.0		0.0		0.0		0.0		0.0		0.0		0.0		10.4

**INDIVIDUAL MODIFICATION**

Date: February 2007

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

MODELS OF SYSTEM AFFECTED:

DESCRIPTION / JUSTIFICATION:

FY08 and FY09 funding will procure Advanced EHF Mission Planning Element (AMPE) systems, provide training, and fielding required to meet new modularity requirements. AMPE is the objective system for EHF and AEHF terminal planning tool. The AMPE will be an integrated tool on which current and future Milstar and AEHF planning will be performed. The Air Force is the Executive Agent for developing the AMPE. With the cutover to the AMPE planning system scheduled for January 2010, the Air Force will discontinue use of the current system (AN/PSQ-17). Each Service is responsible for procuring the selected computer platform and fielding the system to their communications planners. The AMPE is essential to the operation of the SCAMP and AEHF SMART-T. This program will procure the designated hardware, field, and provide training and technical data for SCAMP and SMART-T communications planners.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

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	58		46					115				115									
Outputs	18	17	23		12	12	12	10		25	25	25	25	25	25	25	25	25	5		

  

	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																		334
Outputs																		334

METHOD OF IMPLEMENTATION: CHS3 ADMINISTRATIVE LEADTIME: 2 months PRODUCTION LEADTIME: 4 months  
 Contract Dates: FY 2008 - 30 MAR 07 FY 2009 - 01 MAY 08 FY 2010 - 01 MAY 09  
 Delivery Dates: FY 2008 - 30 SEP 07 FY 2009 - 01 NOV 08 FY 2010 - 01 NOV 09



**INDIVIDUAL MODIFICATION**

Date: February 2007

MODIFICATION TITLE (cont): AMPE [MOD 4] 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>RD&amp;E</b>																			
<b>Procurement</b>	58	2.1	46	3.7	115	6.0	115	6.1		2.8		1.5							334	22.2
Kit Quantity																				
Installation Kits																				
Installation Kits, Nonrecurring																				
Equipment																				
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other																				
Interim Contractor Support																				
<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		2.1		3.7		6.0		6.1		2.8		1.5		0.0		0.0		0.0		22.2

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

Date: February 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	214.6	24.9	25.2	25.5	26.6	22.3	15.0	5.1	5.3	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	214.6	24.9	25.2	25.5	26.6	22.3	15.0	5.1	5.3	Continuing	Continuing
Initial Spares											
Total Proc Cost	214.6	24.9	25.2	25.5	26.6	22.3	15.0	5.1	5.3	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**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 & Control System - Joint (GCCS-J) and Army Battlefield Command Systems (ABCS). GCCS-A provides readiness reporting, mobilization & 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 & 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, & Tactical ABCS. It supports major Army commands (MACOMs), Army Combatant Commanders (COCOMs), Army Commands and Components, and Army elements within the Pentagon. GCCS-A supports all headquarters staff sections that support all phases of conflict, & Stability & Support Operations (SASO). In addition, PM GCCS-A is the Executive Agent with responsibility to procure & field GCCS-J hardware & 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 & hardware using a site's existing communications architecture. GCCS-A provides commercial-off-the-shelf (COTS) hardware & COTS developed software to user sites. The hardware includes various types of servers & user workstations. The hardware & software provides directory, database, web, communications and portal capabilities to enhance & facilitate Command & Control functions of the developed software described above. Supporting functions include user administration & security.

**Justification:**

FY 2008 and FY 2009 procure mission critical hardware & COTS software support for previously fielded software at all Army managed & Operation Iraqi Freedom (OIF) sites. Support and fielding are mandatory in order for the Army to meet DA prioritized fielding schedules and Global Command and Control System - Joint (GCCS-J) milestones.

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
Theater Server Racks		6772	13	521									
Remote Server Racks		244	19	13	120	2	60	183	3	61	83	1	83
Enterprise Server													
LAN/WAN Servers													
Router Servers													
APM Servers													
Workstations/Laptops		941	188	6	3579	1010	4	569	148	4	82	18	5
Future Systems											4346		
Deployables (APM Servers)													
Deployable Servers		1450	50	29									
Deployable Suites					1366	27	51	3380	62	55	1247	24	52
Deployables (Workstations/Laptops)													
Bill of Material (BOM)		250			256			261			267		
Software Licenses		1112			3874			3325			2271		
Software Support		6333			6283			5764			6452		
Fielding Support		3710			4395			5723			5546		
Deployable Support													
PMO Support		1574			1926			1985			2013		
GCCS-A Training		2473			3269			4234			4199		
Central Tech Support Facility (CTSF)		80			84			88			93		
<b>Total:</b>		<b>24939</b>			<b>25152</b>			<b>25512</b>			<b>26599</b>		

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

Date:  
February 2007

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)								
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>Theater Server Racks</b>										
FY 2006	GTSI Chantilly, VA	IDIQ	ITEC4, Washington, DC	Feb 06	Jun 06	13	521	YES		
<b>Remote Server Racks</b>										
FY 2006	GTSI Chantilly, VA	IDIQ	ITEC4, Washington, DC	Feb 06	Jun 06	19	13	YES		
FY 2007	GTSI Chantilly, VA	IDIQ	ITEC4, Washington, DC	Feb 07	Jun 07	2	60	YES		
FY 2008	GTSI Chantilly, VA	IDIQ	Fort Monmouth, NJ	Feb 08	Jun 08	3	61	YES		
FY 2009	GTSI Chantilly, VA	IDIQ	Fort Monmouth, NJ	Feb 09	Jun 09	1	83	YES		
<b>Workstations/Laptops</b>										
FY 2006	GTSI Chantilly, VA	IDIQ	ITEC4, Washington, DC	Feb 06	Jun 06	188	6	YES		
FY 2007	GTSI Chantilly, VA	IDIQ	ITEC4, Washington, DC	Feb 07	Jun 07	1010	4	YES		
FY 2008	GTSI Chantilly, VA	IDIQ	Fort Monmouth, NJ	Feb 08	Jun 08	148	4	YES		
FY 2009	GTSI Chantilly, VA	IDIQ	Fort Monmouth, NJ	Feb 09	Jun 09	18	5	YES		
<b>Deployable Servers</b>										
FY 2006	GTSI Chantilly, VA	IDIQ	ITEC4, Washington, DC	Feb 06	Jun 06	50	29	YES		
FY 2007	GTSI Chantilly, VA	IDIQ	ITEC4, Washington, DC	Feb 07	Jun 07			YES		
FY 2008	GTSI Chantilly, VA	IDIQ	Fort Monmouth, NJ	Feb 08	Jun 08			YES		
FY 2009	GTSI Chantilly, VA	IDIQ	Fort Monmouth, NJ	Feb 09	Jun 09			YES		

REMARKS:

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

Date: February 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	1113.8	86.3	4.9	7.9	15.7	11.6	11.7				1251.8
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	1113.8	86.3	4.9	7.9	15.7	11.6	11.7				1251.8
Initial Spares	15.4										15.4
Total Proc Cost	1129.2	86.3	4.9	7.9	15.7	11.6	11.7				1267.2
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). The Army acquisition Objective (AAO) for the ADDS is 33,396. The Army Procurement Objective (APO) is 13,179.

**Justification:**

FY08 and FY09 fund sustainment support 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 Global war on Terroism (GWOT) Field Service Representative (FSR) increased costs for EPLRS.

FY06 includes supplemental funding of \$58.3 million to support the global war on terrorism (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: ARMY DATA DISTRIBUTION SYSTEM (DATA RADIO) (BU1400)			Weapon System Type:			Date: February 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>Enhanced Position Location</b>													
<b>Reporting System (EPLRS)</b>													
*													
EPLRS User Unit Radio Set Hardware (1)													
Net Control Station EPLRS Downsized NCS-													
		28650	1454	19.704									
		1937	72	26.903									
EPLRS Retrofit Kits													
Other Hardware (3)													
		7694											
Government Engineering													
		3512			1354			1237			1283		
Integration/ Upgrades													
		22461						1310			5035		
Life Cycle Software Engineering													
		1457											
Project Management Administration													
		2082			860			596			618		
Data													
Total Package Fielding													
		14957			356			3250			6679		
Tactical Operations Center Data Radio													
		3512			2300			1500			2100		
***													
***													
(1) EPUU Radio Set consists of: EPLRS													
User Unit Receiver Transmitter, User													
Readout Device, Install Kit, Pwr Adapter													
***													
(2) ENM unit costs are driven by unique													
platform design and accessory equipment.													
The total ENM cost including Government													
Furnished Equipment is \$300 thousand.													
***													
		<b>86262</b>			<b>4870</b>			<b>7893</b>			<b>15715</b>		
<b>Total:</b>													

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

Date:  
February 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>EPLRS User Unit Receiver Transmitter</b>										
FY 2006	Raytheon Systems Co II Forest, MS	SS/FFP	CECOM	Mar 06	Feb 07	867	19.704	Yes		Oct-05
FY 2006	Raytheon Systems Co II Forest, MS	SS/FFP	CECOM	Jul 06	Oct 07	587	19.704	Yes		Oct-05

REMARKS:

**FY 06 / 07 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
ARMY DATA DISTRIBUTION SYSTEM (DATA RADIO) (BU1400)

Date: February 2007

COST ELEMENTS						Fiscal Year 06														Fiscal Year 07														Later						
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 06														Calendar Year 07																				
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP											
EPLRS User Unit Receiver Transmitter																																								
1	FY 06	A	867	0	867							A																27	40	200	200	200	200				0			
1	FY 06	A	587	0	587																																587			
1	FY 06	AF	84	0	84				A																			20	40	24							0			
1	FY 06	AF	124	0	124							A																								3	30	91		
1	FY 06	AF	13	0	13																																13			
1	FY 06	MC	62	0	62				A																			20	20	22							0			
1	FY 06	MC	191	0	191							A																								90	97	4		
1	FY 06	MC	778	0	778																																778			
1	FY 06	NA	14	0	14				A																												0			
1	FY 06	NA	110	0	110																															83	27			
1	FY 06	NA	152	0	152																															22	10	120		
1	FY 06	OTH	26	0	26				A																												0			
1	FY 06	OTH	61	0	61																																61			
1	FY 06	OTH	38	0	38																																38	0		
1	FY 06	OTH	56	0	56																																56			
						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	Raytheon Systems Co II, Forest, MS	65	200	253		1	0	5	11	16	NA- Navy ANG- Air Force National Guard OTH- Other PM Funded Radio NG- Army National Guard A- Army MC- Marine Corps AF- Air Force
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				





<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE ARMY DATA DISTRIBUTION SYSTEM (DATA RADIO) (BU1400)	Date: February 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					
EPLRS User Unit Receiver Transmitter																																		
1	FY 06	A	867	867																														0
1	FY 06	A	587	0	587	87	150	150	100	50	50																							0
1	FY 06	AF	84	84																														0
1	FY 06	AF	124	33	91	30	30	31																										0
1	FY 06	AF	13	0	13									13																				0
1	FY 06	MC	62	62																														0
1	FY 06	MC	191	187	4	4																												0
1	FY 06	MC	778	0	778					100	150	150	178	100	100																			0
1	FY 06	NA	14	14																														0
1	FY 06	NA	110	83	27	27																												0
1	FY 06	NA	152	32	120	10	10	10	10	10	10	10	20	30																				0
1	FY 06	OTH	26	26																														0
1	FY 06	OTH	61	0	61	20	20	21																										0
1	FY 06	OTH	38	38																														0
1	FY 06	OTH	56	0	56									56																				0

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 Systems Co II, Forest, MS	65	200	253		1	Initial	0	5	11	16	NA- Navy ANG- Air Force National Guard OTH- Other PM Funded Radios NG- Army National Guard A- Army MC- Marine Corps AF- Air Force
							Reorder	0	1	15	16	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					



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

Date: February 2007

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

P-1 Item Nomenclature  
Radio Terminal Set, MIDS LVT(2) (B22603)

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	3.1	3.2	3.0	3.0	1.1	1.1	1.1	1.1		25.7
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	8.9	3.1	3.2	3.0	3.0	1.1	1.1	1.1	1.1		25.7
Initial Spares											
Total Proc Cost	8.9	3.1	3.2	3.0	3.0	1.1	1.1	1.1	1.1		25.7
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The Multifunctional Information Distribution System Low Volume Terminal (MIDS LVT) is a subsystem of a tactical platform's (eg: PATRIOT) communication system, which enables the platform to exchange tactical digital information with other platforms equipped with a MIDS terminal or Joint Tactical Information Distribution System (JTIDS) Class 2 terminal. The MIDS LVT provides tactical digital information exchange among fighter aircraft, airborne command and control, Ground Air Defense and shipboard platforms. The Army variant, MIDS LVT(2), operates in a Time Division Multiple Access (TDMA) mode. It consists of three Line Replaceable Units (LRUs) (Main Terminal, Power Supply Assembly and Cooling Unit) mounted on a mounting plate which will fit into an existing JTIDS Class 2M mount making the MIDS LVT(2) and JTIDS Class 2M terminals physically and functionally interchangeable.

**Justification:**

FY08 and FY09 procure system project management and software support for the MIDS LVT(2) terminals for various platforms including Phased Array Tracking to Intercept of Target (PATRIOT), Theater High Altitude Air Defense (THAAD), Joint Range Extension (JRE), Surface Launched Advanced Medium Range Air to Air Missile (SLAMRAM), Air Defense Artillery Management Cell (ADAM Cell), Medium Extended Air Defense System (MEADS), Forward Area Air Defense (FAAD), Joint Tactical Ground Station (JTAGS) and Air Missile Defense Command and Control System (AMDCCS).

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

Date: February 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	4655.6	784.9	188.9	137.1	102.3	31.9	2.4	0.4	0.5	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	4655.6	784.9	188.9	137.1	102.3	31.9	2.4	0.4	0.5	Continuing	Continuing
Initial Spares	15.0										15.0
Total Proc Cost	4670.6	784.9	188.9	137.1	102.3	31.9	2.4	0.4	0.5	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**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:**  
 FY08/09 will procure radios for MTOE shortages and Modularity increases; field ground ASIP radios for high priority National Guard units; and support a SINCGARS radio in all Combat Service / Combat Service Support tactical wheel vehicles. This is critical to support the Global War on Terroism (GWOT), Modularity and homeland defense.

FY06 and FY07 include supplemental funding of \$975 million and \$124.5 million, respectively, to support the global war on terrorism.

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

Date: February 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: SINCGARS - GROUND (B00500)

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	4655.6	784.9	188.9	137.1	102.3	31.9	2.4	0.4	0.5	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	4655.6	784.9	188.9	137.1	102.3	31.9	2.4	0.4	0.5	Continuing	Continuing
Initial Spares	15.0										15.0
Total Proc Cost	4670.6	784.9	188.9	137.1	102.3	31.9	2.4	0.4	0.5	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**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 man pack, 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 and FY09 procure radios 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 Service Support tactical wheel vehicles. This is critical to support the Global War on Terroism (GWOT), Modularity and homeland defense.

<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: SINGGARS - GROUND (B00500)			Weapon System Type:			Date: February 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>SINGGARS</b>													
HARDWARE- GD	A												
HARDWARE - ITT (1)	A	612688	93118	7	70340	10117	7	82609	8550	10	63733	6375	10
CONTRACTOR ENG'G SUPPORT		41100			25508			3897			3897		
GOVERNMENT ENGINEERING		971			4024			1272			1272		
PROJECT MANAGEMENT ADMIN		1357			13538			7864			5864		
SYSTEMS ENG. AND INTEGRATION													
OTHER HARDWARE		43524			16916			28650			19524		
SINGGARS Test Set (GRM-122)		46097	595	77	421								
FREQUENCY HOPPING MULTIPLEXER (FHMUX)		33226	420	79	23669	300	79						
ECP's													
DATA													
TEST		988			450			190			200		
HARRIS VEHICULAR ADAPTER AMPLIFIER													
<b>FIELDING</b>													
TOTAL PACKAGE FIELDING		4989			34047			12598			7797		
(1) Hardware costs include the SINGGARS receiver transmitter, vehicular amplfier adapter and power amplifier.													
<b>Total:</b>		<b>784940</b>			<b>188913</b>			<b>137080</b>			<b>102287</b>		

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

Date:  
February 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: SINCGARS - GROUND (B00500)							
<b>HARDWARE - ITT (1)</b>										
FY 2006	ITT Ft. Wayne, IN	C/FP	CECOM	Feb 06	Oct 07	60000	7	Y		Mar 04
FY 2006	ITT Ft. Wayne, IN	C/FP	CECOM	Aug 06	Jan 09	26000	7	Y		Mar 04
FY 2006	ITT Ft. Wayne, IN	C/FP	CECOM	Sep 06	Nov 09	718	7	Y		Mar 04
FY 2006	ITT Ft. Wayne, IN	C/FP	CECOM	Oct 06	Dec 09	6400	7	y		Mar 04
FY 2007	ITT Ft. Wayne, IN	C/FP	CECOM	Sep 06	Nov 09	2500	7	Y		Mar 04
FY 2007	ITT Ft. Wayne, IN	C/FP	CECOM	Nov 06	Feb 10	7617	7	Y		Mar 04
FY 2008	ITT Ft. Wayne, IN	C/FP	CECOM	Jan 08	May 10	8550	10	Y		Mar 04
FY 2009	ITT Ft. Wayne, IN	C/FP	CECOM	Jan 09	Aug 10	6375	10	Y		Mar 04

REMARKS:



**FY 06 / 07 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
SINGGARS - GROUND (B00500)

Date: February 2007

COST ELEMENTS						Fiscal Year 06													Fiscal Year 07													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 06													Calendar Year 07																
						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 - ITT (1)																																			
1	FY 05	A	2400	0	2400												460	470	470	250	250	250	250												0
1	FY 05	A	85	0	85																													85	
1	FY 05	A	508	0	508																													508	
1	FY 05	A	258	0	258																													258	
1	FY 05	A	71050	0	71050						2650	2650	2650	2650	2650	2650	2650	2650	2650	2650	2650	2650	2650	2650	2650	2650	2650	2650	2650	2650	2650	2650	2650	21186	
1	FY 05	A	20000	5010	14990	1670	1670	1670	1670	1670	1670	1670	1670	1630																			0		
1	FY 06	A	60000	0	60000					A																								60000	
1	FY 06	A	26000	0	26000											A																		26000	
1	FY 06	A	718	0	718												A																	718	
1	FY 06	A	6400	0	6400													A																6400	
1	FY 06	A	30	0	30						A																						30		
1	FY 06	A	10	0	10											A																		10	
1	FY 07	A	2500	0	2500														A															2500	
1	FY 07	A	7617	0	7617															A														7617	
1	FY 08	A	8550	0	8550																A													8550	
						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	Initial	2			6	12	18			
1	ITT, Ft. Wayne, IN	160	3000	7500		1	Initial	2	6	12	18	
							Reorder	2	6	12	18	
2	Harris, Rochester, NY	600	800	1000		2	Initial	1	1	5	6	
							Reorder	1	1	6	7	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					



<b>FY 06 / 07 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE SINGGARS - GROUND (B00500)	Date: February 2007
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COST ELEMENTS						Fiscal Year 06														Fiscal Year 07														Later					
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 06														Calendar Year 07																			
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP										
2	FY 05	A	2652	0	2652				600	600	600	600	252																										0
			230841	7795	223046	1870	1904	2370	2504	2270	2270	5462	5222	4930	3810	3820	3742	3435	3450	3409	3250	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	145328				
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP										

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS		
		MIN	1-8-5	MAX			1	Initial				2	After 1 Oct
1	ITT, Ft. Wayne, IN	160	3000	7500		1	Initial	2	6	12	18		
						1	Reorder	2	6	12	18		
2	Harris, Rochester, NY	600	800	1000		2	Initial	1	1	5	6		
						2	Reorder	1	1	6	7		
							Initial						
							Reorder						
							Initial						
							Reorder						
							Initial						
							Reorder						
							Initial						
							Reorder						

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE SINGGARS - GROUND (B00500)	Date: February 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	

HARDWARE - ITT (1)																																			
1	FY 05	A	2400	2400																															0
1	FY 05	A	85	0	85							85																							0
1	FY 05	A	508	0	508						136	372																							0
1	FY 05	A	258	0	258							258																							0
1	FY 05	A	71050	49864	21186	3000	3000	3000	3000	3000	1386	873	3000	927																					0
1	FY 05	A	20000	20000																															0
1	FY 06	A	60000	0	60000	569	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	931															0
1	FY 06	A	26000	0	26000																1500	1486	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	2014		
1	FY 06	A	718	0	718																														718
1	FY 06	A	6400	0	6400																														6400
1	FY 06	A	30	0	30															30														0	
1	FY 06	A	10	0	10																														0
1	FY 07	A	2500	0	2500																														2500
1	FY 07	A	7617	0	7617																														7617
1	FY 08	A	8550	0	8550					A																									8550

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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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				Prior 1 Oct	After 1 Oct
1	ITT, Ft. Wayne, IN	160	3000	7500		1	Initial	2	6	12	18		
							Reorder	2	6	12	18		
2	Harris, Rochester, NY	600	800	1000		2	Initial	1	1	5	6		
							Reorder	1	1	6	7		
							Initial						
							Reorder						
							Initial						
							Reorder						
							Initial						
							Reorder						

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>															P-1 ITEM NOMENCLATURE SINGARS - GROUND (B00500)										Date: February 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
1	FY 09	A	6375	0	6375																								6375
1	FY 05	MC	2621	0	2621								1478	1143															0
1	FY 06	MC	509	0	509														509										0
1	FY 05	NA	156	0	156									156															0
1	FY 05	NA	0	0																									0
1	FY 06	NA	4	0	4																		4						0
1	FY 04	NG	460	460																								0	
1	FY 04	NG	1164	1164																								0	
1	FY 04	NG	4153	4153																								0	
1	FY 05	NG	41	0	41																					41		0	
1	FY 05	NG	2620	2620																								0	
1	FY 05	NG	325	325																								0	
1	FY 05	NG	1516	1516																								0	
1	FY 05	NG	359	359																								0	
1	FY 06	NG	1760	0	1760																							0	

HARRIS VEHICULAR ADAPTER AMPLIFIER

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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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	ITT, Ft. Wayne, IN	160	3000	7500		1	Initial	2	6	12	18	
							Reorder	2	6	12	18	
2	Harris, Rochester, NY	600	800	1000		2	Initial	1	1	5	6	
							Reorder	1	1	6	7	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					



<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE SINGGARS - GROUND (B00500)	Date: February 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			

HARDWARE - ITT (1)																																			
1	FY 05	A	2400	2400																															0
1	FY 05	A	85	85																															0
1	FY 05	A	508	508																															0
1	FY 05	A	258	258																															0
1	FY 05	A	71050	71050																															0
1	FY 05	A	20000	20000																															0
1	FY 06	A	60000	60000																															0
1	FY 06	A	26000	23986	2014	2014																													0
1	FY 06	A	718	0	718			718																											0
1	FY 06	A	6400	0	6400				805	3000	2595																								0
1	FY 06	A	30	30																															0
1	FY 06	A	10	10																															0
1	FY 07	A	2500	0	2500			2250	250																										0
1	FY 07	A	7617	0	7617					405	3000	3000	1212																						0
1	FY 08	A	8550	0	8550								2000	3000	3000	550																			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			1	Initial				2	6
1	ITT, Ft. Wayne, IN	160	3000	7500		1	Initial	2	6	12	18		
							Reorder	2	6	12	18		
2	Harris, Rochester, NY	600	800	1000		2	Initial	1	1	5	6		
							Reorder	1	1	6	7		
							Initial						
							Reorder						
							Initial						
							Reorder						
							Initial						
							Reorder						





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						
2	FY 05	A	2652	2652																															0
Total						230841	196667	34174	2014	2968	1055	3000	3000	3000	3000	3212	3000	3000	3550	3375															
						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	ITT, Ft. Wayne, IN	160	3000	7500		1	Initial	2	6	12	18
							Reorder	2	6	12	18
2	Harris, Rochester, NY	600	800	1000		2	Initial	1	1	5	6
							Reorder	1	1	6	7
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				

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

Date: February 2007

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

P-1 Item Nomenclature  
AMC CRITICAL ITEMS - OPA2 (B19920)

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				8.0	8.0	8.0	8.0	8.0	8.0		48.0
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				8.0	8.0	8.0	8.0	8.0	8.0		48.0
Initial Spares											
Total Proc Cost				8.0	8.0	8.0	8.0	8.0	8.0		48.0
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The Army Material Command (AMC) has identified approximately 1800 small Table of Organizational Equipment (TOE) items with identifiable line item numbers (LINS) that have valid unit requirements and support Army force generation requirements. The majority of the LINS are in the sustainment phase of their life cycle and are no longer being acquired by the Army. In some cases there is still a warm production base because of commercial, FMS, or other service demand.

The Army has prioritized these items and has determined that the systems requested are key to supporting current operations and transformation of the Army in support of the Army Campaign Plan.

**Justification:**

FY08/09 request will only address critical requirements for (ARPL 1-4) deployed, TRADOC, and Transforming units.

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

Date: February 2007

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

P-1 Item Nomenclature  
Multi-Purpose Informations Operations Sysems (BC3000)

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										Continuing	Continuing
Gross Cost	20.3	8.2	10.4	8.7	7.9	6.7	7.1	8.4	8.2	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	20.3	8.2	10.4	8.7	7.9	6.7	7.1	8.4	8.2	Continuing	Continuing
Initial Spares											
Total Proc Cost	20.3	8.2	10.4	8.7	7.9	6.7	7.1	8.4	8.2	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**  
CLASSIFIED PROGRAM: INFORMATION PROVIDED UPON REQUEST.

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

Date: February 2007

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

P-1 Item Nomenclature  
Grow the Force Initiative (BA1010)

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				1248.9	1248.9	1561.1	700.0	34.0			4792.9
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				1248.9	1248.9	1561.1	700.0	34.0			4792.9
Initial Spares											
Total Proc Cost				1248.9	1248.9	1561.1	700.0	34.0			4792.9
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The Growing the Force Initiative increases the end strength of the Army over the next 5 years. This growth in the number of soldiers will provide an additional significant number of trained, ready, deployable combat brigades which will reduce unit stress, increase combat capabilities, and demonstrate increased willingness to engage strategic competitors and prosecute the Global War on Terror.

The Army will provide budget line item details in future budget documentation as a precise determination of requirements by Table of Organizational Equipment (TOE) is performed. To do this, the Army is conducting a complete analysis of equipment needed by each unit added to the Army by year.

When this analysis is completed, it will also demonstrate increased equipment density because of force protection requirements, increasing combat power, and lessons learned in Operation Iraqi Freedom and Operation Enduring Freedom.

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

Date: February 2007

Appropriation / Budget Activity / Serial No: P-1 Item Nomenclature  
 Other Procurement, Army / 2 / Communications and Electronics Equipment 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	2126.9	868.5	347.9	433.5	353.0	654.2	855.3	644.9	553.4		6837.7
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	2126.9	868.5	347.9	433.5	353.0	654.2	855.3	644.9	553.4		6837.7
Initial Spares											
Total Proc Cost	2126.9	868.5	347.9	433.5	353.0	654.2	855.3	644.9	553.4		6837.7
Flyaway U/C											
Weapon System Proc U/C											

**Description:**  
 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.

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.

**Justification:**  
 FY08: ACUS Mod will fund two Integrated Theater Signal Battalions (ITSB's) and continue to provide sustainment and technical support for various fielded ACUS MOD systems. JNN procures 1 Hubs, 16 JNNs and 71 Battalion Command Post Nodes (BnCPN's).  
 FY09: ACUS Mod will fund one Integrated Theater Signal Battalions (ITSB's) and continue to provide sustainment and technical support for various fielded ACUS MOD systems. JNN procures 20 JNNs and 60 Battalion Command Post Nodes (BnCPN's).  
 FY06 includes supplemental funding of \$818.7 million to support the global war on terrorism (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: BRIDGE TO FUTURE NETWORKS (BB1500)			Weapon System Type:			Date: February 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		187342			121019			120890			86509		
Joint Network Node		681200			226859			312636			266443		
<b>Total:</b>		<b>868542</b>			<b>347878</b>			<b>433526</b>			<b>352952</b>		

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

Date: February 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	1382.6	187.3	121.0	120.9	86.5	92.8	128.1	104.5	153.7	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	1382.6	187.3	121.0	120.9	86.5	92.8	128.1	104.5	153.7	Continuing	Continuing
Initial Spares											
Total Proc Cost	1382.6	187.3	121.0	120.9	86.5	92.8	128.1	104.5	153.7	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**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), 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) which is 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 and FY09 procures a total of six AN/TTC-56(V)3 shelter upgrades and support equipment consisting of High Capacity Line of Sight Radio upgrades and Troposcatter Radio upgrades for an equivalent of three Integrated Theater Signal Battalions. ACUS MOD also will procure Non-ITSB JNN required equipment consisting of High Capacity Line of Sight Radio upgrades and Battlefield VideoTeleConfering hardware. During FY08 and FY09, ACUS MOD continues efforts to field Integrated Theater Signal Battalions (ITSBs), which are comprised of specific architectures of Baseband Nodes (BBNs), Single

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

Date:

February 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:

Shelter Switches (SSS), High Speed HMDAs, and Troposcatter Radios.



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: February 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>Procurement</b>													
Equipment		100616			33474			35150			18450		
NREngrg		1200			3000								
Engrg Change (ECO's)													
Training/Fielding		9185			5010			5260			6550		
Init Spares (ISRP)		13152			2480			2600			1365		
Installation		9079			1400			1500			800		
Software		6200			3300			3530			3170		
Data		2500			1600			1000			1000		
<b>Other</b>													
Project Management		4323			9250			15250			16015		
Engrg Support		22925			19500			10810			13939		
Legacy System Support		18162			22090			11010			9600		
Modifications/tech refresh					13980			28250			10950		
Other					5935			6530			4670		
<b>Total:</b>		<b>187342</b>			<b>121019</b>			<b>120890</b>			<b>86509</b>		

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

Date:  
February 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 2006	General Dyanmics-ITSB Taunton, Mass	SS/FFP	Taunton, Mass	May 06	Jan 07	2		Y		
FY 2006	General Dyanmics-ITSB Taunton, Mass	SS/FFP	Taunton, Mass	Sep 06	Feb 07	14		Y		
FY 2007	TBS TBS	COMP/FFP	TBS	Jun 07	Dec 08	4		Y		Jan-07
FY 2008	TBS TBS	COMP/FP	TBS	Sep 08	Feb 09	4		Y		
FY 2009	TBS TBS	COMP/FP	TBS	Oct 08	Mar 09	2		Y		

REMARKS: There were two separate awards to General Dynamics during FY06. FY07 delivery finalized after First Article Test and refurbishment of the First Article Test units. Contract information is for Single Shelter Switch Upgrade only.

<b>FY 06 / 07 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE ACUS MOD PROGRAM (BB1600)	Date: February 2007
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COST ELEMENTS						Fiscal Year 06												Fiscal Year 07												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 06												Calendar Year 07												
						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	

Equipment																													
1	FY 06	A	2	0	2																							0	
1	FY 06	A	14	0	14																							0	
2	FY 07	A	4	0	4																					A		4	
2	FY 08	A	4	0	4																							4	
2	FY 09	A	2	0	2																							2	
			26		26																							10	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			1	After 1 Oct			
1	General Dyanmics-ITSB, Taunton, Mass	1	5	5		1	0	1	8	9	Delivery reflects the Single Shelter Switch upgrade only. After two First Article Test shelters are delivered in Dec 08, the remaining two bought in FY07 can be delivered in Jan09. The 4 being bought with FY08 can be delivered immediately after. The 2 shelters bought with FY09 funds in Oct FY08 are delivered 5 months after which is March 09.
						2	0	1	5	6	
2	TBS, TBS	1	5	5		2	0	1	18	19	
							0	1	5	6	

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE ACUS MOD PROGRAM (BB1600)	Date: February 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	

Equipment																																		
1	FY 06	A	2	2																														0
1	FY 06	A	14	14																														0
2	FY 07	A	4	0	4																													0
2	FY 08	A	4	0	4																													0
2	FY 09	A	2	0	2																													0
Total																																		
			26	16	10																													

O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P
-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			1	Initial				After 1 Oct
1	General Dyanmics-JTSB, Taunton, Mass	1	5	5		1	Initial	0	1	8	9	Delivery reflects the Single Shelter Switch upgrade only. After two First Article Test shelters are delivered in Dec 08, the remaining two bought in FY07 can be delivered in Jan09. The 4 being bought with FY08 can be delivered immediately after. The 2 shelters bought with FY09 funds in Oct FY08 are delivered 5 months after which is March 09.
							Reorder	0	1	5	6	
2	TBS, TBS	1	5	5		2	Initial	0	1	18	19	
							Reorder	0	1	5	6	
							Initial					
							Reorder					
							Initial					
							Reorder					

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

Date: February 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	778.6	681.2	226.9	312.6	266.5	561.4	727.3	540.4	399.7		4494.6
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc PI	778.6	681.2	226.9	312.6	266.5	561.4	727.3	540.4	399.7		4494.6
Initial Spares											
Total Proc Cost	778.6	681.2	226.9	312.6	266.5	561.4	727.3	540.4	399.7		4494.6
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 funds will procure 1 Hub, 16 JNN's and 71 BnCPN's.  
FY09 funds will procure 20JNN's and 60 BnCPN's.

<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: February 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
Equipment		356804			104829			77245			77223		
Non-recurring Eng		2412			3200			3200			3200		
NetOPS HW/SW		9848			4771			5038			4580		
Test		1421						1320			1320		
Training		18833			11381			8477			7707		
Fielding		8264			7179			2016			1833		
Cont. Field Supt Rep		6911			8083			2965			2696		
Engineering Support		3421			1938			4032			3666		
Engineering Changes		6453						25429			22434		
Program Management		11454			12535			12801			13100		
Initial Spares		64083			33504			14014			12740		
uparmored nre													
ka upgrade		74500			30579			87200			39030		
sig center requirement					3200			26400			3400		
sustainment supplemental													
deployed cfsr		16796			5660			14812			15661		
PDSS		9000						11871			13833		
RSC Support		11000						15816			13171		
Tech Insertion											30849		
Regional Hub		80000											
<b>Total:</b>		<b>681200</b>			<b>226859</b>			<b>312636</b>			<b>266443</b>		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: JOINT NETWORK NODE (JNN) NETWORK (BB1601)								
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 2006	Data Path, Inc-HUB Norcross, GA	SS/FFP	Ft. Monmouth, NJ	Mar 06	Sep 06	3		Y		Feb 06
FY 2006	General Dynamics-JNN Taunton, MA	SS/FFP	Ft. Monmouth, NJ	Mar 06	Sep 06	57		Y		Feb 06
FY 2006	General Dynamics-BnCP Taunton, MA	SS/FFP	Ft. Monmouth, NJ	Mar 06	Sep 06	222		Y		Feb 06
FY 2007	COMP- HUB TBD-HUB	Comp/FFP	Ft. Monmouth, NJ	May 07	Nov 07	1		Y		Jan 07
FY 2007	COMP- JNN TBD-JNN	Comp/FFP	Ft. Monmouth, NJ	May 07	Nov 07	24		Y		Jan 07
FY 2007	COMP- BnCP TBD-BnCP	Comp/FFP	Ft. Monmouth, NJ	May 07	Nov 07	95		Y		Jan 07
FY 2008	COMP- HUB TBD-HUB	Comp/FFP	Ft. Monmouth, NJ	Nov 07	May 08	1		Y		Jan 07
FY 2008	COMP- JNN TBD-JNN	Comp/FFP	Ft. Monmouth, NJ	Nov 07	May 08	16		Y		Jan 07
FY 2008	COMP- BnCP TBD-BnCP	Comp/FFP	Ft. Monmouth, NJ	Nov 07	May 08	71		Y		Jan 07
FY 2009	COMP- JNN TBD-JNN	Comp/FFP	Ft. Monmouth, NJ	Nov 08	May 09	20		Y		Jan 07
FY 2009	COMP- BnCP TBD-BnCP	Comp/FFP	Ft. Monmouth, NJ	Nov 08	May 09	60		Y		Jan 07

REMARKS:





<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE JOINT NETWORK NODE (JNN) NETWORK (BB1601)	Date: February 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			
Equipment																																
1	FY 06	A	3	3																									0			
2	FY 06	A	57	57																									0			
3	FY 06	A	222	222																									0			
4	FY 07	A	1	0	1			1																					0			
5	FY 07	A	24	0	24			8	8	8																			0			
6	FY 07	A	95	0	95			31	33	31																			0			
4	FY 08	A	1	0	1			A						1															0			
5	FY 08	A	16	0	16			A					5	5	6														0			
6	FY 08	A	71	0	71			A					18	18	18	17													0			
5	FY 09	A	20	0	20																						5	5	5	5	0	
6	FY 09	A	60	0	60																						14	14	16	16	0	
Total			570	282	288			40	41	39				23	23	25	17											19	19	21	21	
						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				After 1 Oct
1	Data Path, Inc-HUB, Norcross, GA	1	1	1		1	Initial	0	6	7	13	
							Reorder	0	6	7	13	
2	General Dynamics-JNN, Taunton, MA	5	7	14		2	Initial	0	6	7	13	
							Reorder	0	6	7	13	
3	General Dynamics-BnCP, Taunton, MA	10	20	40			Initial	0	6	7	13	
							Reorder	0	6	7	13	
4	COMP- HUB, TBD-HUB	1	1	1		3	Initial	0	6	7	13	
							Reorder	0	6	7	13	
5	COMP- JNN, TBD-JNN	5	7	14			Initial	0	6	7	13	
							Reorder	0	6	7	13	
6	COMP- BnCP, TBD-BnCP	10	20	40		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: February 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	320.9	26.2	14.8	7.9	7.9	7.7	7.7	7.4	7.5	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	320.9	26.2	14.8	7.9	7.9	7.7	7.7	7.4	7.5	Continuing	Continuing
Initial Spares											
Total Proc Cost	320.9	26.2	14.8	7.9	7.9	7.7	7.7	7.4	7.5	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**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 through 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 United States Army Pacific (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:**

FY08/FY09 procures contractual services to support the cascading of vital Combat Communications Systems required by our RC for the GWOT and Homeland Defense.

<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: COMMS-ELEC EQUIP FIELDING (BA5210)			Weapon System Type:			Date: February 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
HARDWARE													
CONTRACT SERVICE SUPPORT		26155			14772			7902			7880		
<b>Total:</b>		<b>26155</b>			<b>14772</b>			<b>7902</b>			<b>7880</b>		

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

Date: February 2007

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

P-1 Item Nomenclature  
SPIDER APLA Remote Control Unit (B55501)

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			175	125	307	87	40	35	70		839
Gross Cost		7.0	27.5	18.8	30.1	11.6	8.1	8.5	11.8		123.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1		7.0	27.5	18.8	30.1	11.6	8.1	8.5	11.8		123.4
Initial Spares											
Total Proc Cost		7.0	27.5	18.8	30.1	11.6	8.1	8.5	11.8		123.4
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The Spider is a hand emplaced, remotely controlled, anti-personnel munition system used for the detection, identification, and engagement of selected targets in accordance with the commander's intent. A Spider munition system consists of a control station, a communications repeater, and munition units that apply both lethal and non-lethal anti-personnel effects. Missions include force protection, shaping the battlefield, provide warning, delay enemy forces, and attrit enemy forces. The Spider is designed to mitigate the indiscriminate engagement of the lethal mechanism. A soldier/Marine makes a conscious decision to engage a target with the lethal mechanism. The envisioned obstacle can either be a permanent obstacle, such as the Korean Barrier System (KBS), or a temporary obstacle intended to be reused in other locations, such as forward airbases. Spider communications and electronics components include: munition trainer units, remote-control stations, repeaters, and munition adapter modules.

**Justification:**

FY08/09 procurements build a war reserve inventory and training devices in accordance with the Army's procurement goals. Spider is a DOD special interest program requiring OSD to search aggressively for alternatives to the M14 and M16, legacy non-self destruct antipersonnel landmines.

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: SPIDER APLA Remote Control Unit (B55501)			Weapon System Type:			Date: February 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>HARDWARE</b>													
Spider System													
					18390	175	105	14530	125	116	27434	307	89
		<b>Hardware SUBTOTAL</b>			<b>18390</b>			<b>14530</b>			<b>27434</b>		
<b>PRODUCTION SUPPORT</b>													
Production Engineering (Govt)													
					1884			1825			2283		
		<b>SUPPORT SUBTOTAL</b>			<b>1884</b>			<b>1825</b>			<b>2283</b>		
<b>NON-RECURRING COSTS</b>													
Producibility Engineering													
		4480			1060			421					
Special Tooling													
		1764			2850			500					
Test Fixtures													
		756			2240			1525			150		
First Article Test (LRP)													
					200								
First Article Test (FRP)													
											275		
Production Verification Tests													
					864								
		<b>SUBTOTAL NON-RECURRING</b>			<b>7000</b>			<b>2446</b>			<b>425</b>		
		<b>Total:</b>			<b>7000</b>			<b>18801</b>			<b>30142</b>		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: SPIDER APLA Remote Control Unit (B55501)							
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>Spider System</b>										
FY 2007	Alliant Techsystems/Textron Plymouth, MN/Wilmington, MA	SS/CPIF	Picatinny, NJ	Mar 07	Sep 08	175	105	Yes		Sep 06
FY 2008	Alliant Techsystems/Textron Plymouth, MN/Wilmington, MA	OPT/CPIF	Picatinny, NJ	Mar 08	Sep 09	125	116			
FY 2009	Alliant Techsystems/Textron Plymouth, MN/Wilmington, MA	SS/OPT	Picatinny, NJ	Mar 09	Jun 10	307	89			

REMARKS: Prime contractor is a joint venture of Alliant Techsystems and Textron  
 FY2007 and FY2008 (Low Rate Production) will be a modifications to the cost plus incentive fee SDD/LRP contract.  
 FY2009 will be fixed price.

<b>FY 07 / 08 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE SPIDER APLA Remote Control Unit (B55501)	Date: February 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					

Spider System																															
1	FY 07	A	175	0	175																									6	169
1	FY 08	A	125	0	125																										125
1	FY 09	A	307	0	307																										307
Total																															
			607		607																									6	601
						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	Alliant Techsystems/Textron, Plymouth, MN/Wilmington, MA	1	30	105	120	1	Initial	3	8	18	26	FY2007 (Low Rate Production) will be a modification to the SDD contract and will be awarded in the reorder admin lead time, but will require the initial manufacturing lead time.
							Reorder	3	6	15	21	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE SPIDER APLA Remote Control Unit (B55501)	Date: February 2007
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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	

Spider System																															
1	FY 07	A	175	6	169	8	9	12	15	15	18	18	18	18	19	19												0			
1	FY 08	A	125	0	125												13	14	14	14	14	14	14	14	14			0			
1	FY 09	A	307	0	307					A															20	23	25	25	214		
			607	6	601	8	9	12	15	15	18	18	18	18	19	19	13	14	14	14	14	14	14	14	14	14	20	23	25	25	214
						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	Alliant Techsystems/Textron, Plymouth, MN/Wilmington, MA	1	30	105	120	1	Initial	3	8	18	26	FY2007 is a modification to the SDD contract and will be awarded in the reorder admin lead time, but will require the initial manufacturing lead time.
							Reorder	3	6	15	21	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					



<b>FY 11 / 12 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE SPIDER APLA Remote Control Unit (B55501)	Date: February 2007
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COST ELEMENTS					Fiscal Year 11												Fiscal Year 12												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 11												Calendar Year 12												
						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

Spider System																													
1	FY 07	A	175	175																									0
1	FY 08	A	125	125																									0
1	FY 09	A	307	93	214	26	26	27	27	27	27	27	27																0
Total			607	393	214	26	26	27	27	27	27	27	27																
						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			Initial	3				8
1	Alliant Techsystems/Textron, Plymouth, MN/Wilmington, MA	1	30	105	120	1	Initial	3	8	18	26		
							Reorder	3	6	15	21		
							Initial						
							Reorder						
							Initial						
							Reorder						
							Initial						
							Reorder						
							Initial						
							Reorder						
							Initial						
							Reorder						

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

Date: February 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: IMS Remote Control Unit (B55503)

Program Elements for Code B Items: 654808 D016  
 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					111	126	359	360	369		1325
Gross Cost					21.0	19.9	51.7	51.8	53.0		197.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1					21.0	19.9	51.7	51.8	53.0		197.4
Initial Spares											
Total Proc Cost					21.0	19.9	51.7	51.8	53.0		197.4
Flyaway U/C											
Weapon System Proc U/C											

**Description:**  
 The Intelligent Munition Systems (IMS) is an integrated system of effects (lethal anti-vehicle, anti-personnel, non-lethal, demolitions), software, sensors/seekers and communications that may be emplaced by multiple means and is capable of unattended employment for the detection, classification, identification, tracking and engagement of selected targets in accordance with the commander's intent. IMS is being developed as an evolutionary acquisition program in an incremental approach. IMS is a core Future Combat Systems (FCS) system and the increment strategy to meet all requirements is timed to the development of the FCS family of systems. The first increment, with its self-destructing/self-deactivating capability, is the materiel solution that will comply with the National Landmine Policy to replace all non-self-destructing anti-vehicle mines from the U.S. inventory. To ensure that IMS capability is fielded in some quantity by the end use date of persistent landmines, 31 December 2010, will seek long lead authorization in advance of the Milestone C decision. At the IMS Critical Design Review will identify all components requiring long lead authorization to meet the production timeline. IMS will enhance the effectiveness for both the current and future force in the areas of force protection and battle space shaping. IMS communications and electronics components include: dispensing module trainer units and remote control stations. IMS procurement quantities have been defined to reflect Army transformation efforts as well as FCS acceleration strategy. This item is code B, not approved for service use

**Justification:**  
 FY2009 procurement builds a war reserve inventory and required training devices in accordance with the Army's procurement goals.

<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: IMS Remote Control Unit (B55503)			Weapon System Type:			Date: February 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>HARDWARE</b>													
IMS Remote Control Unit													
Dispenser Module Trainer													
<b>Subtotal Hardware</b>													
<b>PRODUCTION SUPPORT COSTS</b>													
Production Engineering													
<b>SubTotal Prod. Support</b>													
<b>NONRECURRING COST</b>													
First Article Test													
Special Tooling & Test Fixtures													
Residual Task & Producibility Engineerin													
Production Verification Test													
<b>SubTotal NONRECURRING</b>													
<b>Total:</b>													

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: IMS Remote Control Unit (B55503)							
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>IMS Remote Control Unit</b> FY 2009	Textron Wilmington, MA	SS/CPFF	Picatinny, NJ	Nov 08	Dec 09	111	35	N	Aug 08	
<b>Dispenser Module Trainer</b> FY 2009	Textron Wilmington, MA	SS/CPIF	Picatinny, NJ	Nov 08	Dec 09	111	135	N	Aug 08	

REMARKS: Low Rate Initial Production Contract will be awarded as an option to the the System Development and Demonstration Contract. Early release and obligation of FY2009 funds is necessary to meet fielding timeline associated with the National Landmine Policy.



**FY 11 / 12 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
IMS Remote Control Unit (B55503)

Date: February 2007

**COST ELEMENTS**

**Fiscal Year 11**

**Fiscal Year 12**

M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11														Calendar Year 12										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			
IMS Remote Control Unit																																
	1	FY 09	A	111	100	11	10	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			

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	Textron, Wilmington, MA	1	30	100		1	Initial	6	8	13	21	
							Reorder	6	6	10	16	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

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

Date: February 2007

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

P-1 Item Nomenclature  
SOLDIER ENHANCEMENT PROGRAM COMM/ELECTRONICS (BA5300)

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	57.4	5.9	9.9	10.2	6.4	7.2	5.2	14.8	15.5	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	57.4	5.9	9.9	10.2	6.4	7.2	5.2	14.8	15.5	Continuing	Continuing
Initial Spares											
Total Proc Cost	57.4	5.9	9.9	10.2	6.4	7.2	5.2	14.8	15.5	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**

This program procures items of equipment for military qualification from off the shelf domestic commercial sources or off shore sources. The mission of Soldier Enhancement Program (SEP) is to identify and evaluate commercially available individual weapons, munitions optics, combat clothing, individual equipment, water supply, shelters, communication and navigational aids which can be adopted and provided to Soldiers in three years or less. The nature of the item determines the acquisition strategy, market survey, candidate evaluation and down select method, scope of testing, adoption decision and fielding process. Each year nearly 125 proposals are received and reviewed for suitable solutions to keep up with ever-changing technologies and new and improved ways to equip and maintain our forces.

**Justification:**

FY08/09 procure the Integrated Laser White Light Pointer which provides soldier's individual weapon, or hand held, with the capability to employ white light illumination, stand-alone aiming laser pointers and infrared illumination functions in a single, small lightweight,integrated device. FY2008 also procures the Advanced Sniper Accessory Kit, Aviation Laser Mounted Pointer, and Goggle/Head Mounted Display. The Advanced Sniper Accessory Kit provides the sniper teams performance enhancing capabilities such as a Laser Range Finder, a Ballistic Computer, and Boresight Device.

<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: SOLDIER ENHANCEMENT PROGRAM COMM/ELECTRONICS (BA5300)			Weapon System Type:			Date: February 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
ILWLP	A		2603	3493	1	2951	3961	1	2800	3153	1	1500	1689	1
ILWLP Warranty	A		118			118			120			125		
Sapper Kit			514	1748	1									
Advanced Sniper Kit	A					2130	751	3	2600	2706	1	1910	119	16
Parachute EAAD	A					2234	500	4						
Goggle/Head Mounted Display	A								2232	160	14			
Aviation Laser Mounted Pointer	A								2440	2607	1	2875	3407	1
Family of Stun Devices	A		2690	1806	1	2460	1501	2						
<b>Total:</b>			<b>5925</b>			<b>9893</b>			<b>10192</b>			<b>6410</b>		



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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: SOLDIER ENHANCEMENT PROGRAM COMM/ELECTRONICS (BA5300)								
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>ILWLP</b>										
FY 2006	Insight Technology Londonderry, NH	FP	RDECOMAC	Feb 06	May 06	3493	1	Yes		
FY 2007	Insight Technology Londonderry, NH	FP	RDECOMAC	Nov 06	May 07	3961	1	Yes		
FY 2008	Insight Technology Londonderry, NH	FP	RDECOMAC	Nov 07	May 08	3153	1	Yes		
FY 2009	Insight Technology Londonderry, NH	FP	RDECOMAC	Nov 08	May 09	1689	1	Yes		
<b>Sapper Kit</b>										
FY 2006	ICOM America, Inc Bellevue, WA	FP	TACOM	Feb 06	May 06	1748	1	Yes		
<b>Advanced Sniper Kit</b>										
FY 2007	Insight Technology Londonderry, NH	FP	RDECOMAC	Mar 07	Sep 07	751	3	Yes		
<b>Parachute EAAD</b>										
FY 2007	SSK Military Industries Lebanon, OH	FP	RDECOMAC	Feb 07	Aug 07	500	1	Yes		
<b>Goggle/Head Mounted Display</b>										
FY 2008	TBD TBD	FP	RDECOMAC	Dec 07	Jun 08	160	14	Yes		
<b>Aviation Laser Mounted Pointer</b>										
FY 2008	NV Systems Allentown, PA	FP	RDECOMAC	Jan 08	Feb 09	2607	1	Yes		
FY 2009	NV Systems Allentown, PA	FP	RDECOMAC	Dec 08	Nov 09	3407	1	No		
<b>Family of Stun Devices</b>										
FY 2006	ICOM America, Inc Bellevue, WA	FP	TACOM	May 06	Nov 06	1806	1			
FY 2007	ICOM America, Inc Bellevue, WA	FP	TACOM	May 07	Nov 07	1501	2			
REMARKS:										

<b>FY 07 / 08 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE SOLDIER ENHANCEMENT PROGRAM COMM/ELECTRONICS (BA5300)	Date: February 2007
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COST ELEMENTS						Fiscal Year 07												Fiscal Year 08												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 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				
ILWLP																																	
1	FY 06	A	3493	0	3493	600	600	600	600	600	493																	0					
1	FY 07	A	3961	0	3961		A						559	600	600	600	600	600	402									0					
1	FY 08	A	3153	0	3153														A						263	263	263	263	263	1838			
1	FY 09	A	1689	0	1689																							1689					
Goggle/Head Mounted Display																																	
3	FY 08	A	160	0	160															A					30	30	20	20	20	20	20	0	
Aviation Laser Mounted Pointer																																	
5	FY 08	A	2607	0	2607																A									2607			
5	FY 09	A	3407	0	3407																									3407			
Total						18470		18470	600	600	600	600	600	493		559	600	600	600	600	600	402				30	30	283	283	283	283	283	9541
						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	ICOM America, Inc, Bellevue, WA	250	750	1200		1	Initial	1	3	4	
							Reorder	1	1	3	4
							Initial				
							Reorder				
4	Insight Technology, Londonderry, NH	250	750	1200			Initial				
							Reorder				
						4	Initial	1	1	3	4
							Reorder	1	1	3	4
							Initial				
							Reorder				

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>														P-1 ITEM NOMENCLATURE SOLDIER ENHANCEMENT PROGRAM COMM/ELECTRONICS (BA5300)										Date: February 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			
ILWLP																																
1	FY 06	A	3493	3493																									0			
1	FY 07	A	3961	3961																									0			
1	FY 08	A	3153	1315	1838	263	263	263	263	263	263	260																	0			
1	FY 09	A	1689	0	1689		A						141	141	141	141	141	141	141	141	141	141	141	138					0			
Goggle/Head Mounted Display																																
3	FY 08	A	160	160																									0			
Aviation Laser Mounted Pointer																																
5	FY 08	A	2607	0	2607					300	300	300	300	300	300	300	257	250											0			
5	FY 09	A	3407	0	3407														240	240	240	240	240	240	240	240	240	227	220	800		
Total						18470	8929	9541	263	263	263	263	563	563	560	441	441	441	441	398	391	381	381	381	381	378	240	240	240	227	220	800
						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		4			1		3		
1	ICOM America, Inc, Bellevue, WA	250	750	1200		1	1	3	4		
						Initial					
						Reorder					
4	Insight Technology, Londonderry, NH	250	750	1200		1	1	3	4		
						Initial					
						Reorder					
						4	1	1	3	4	
						Initial					
						Reorder					

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

Date: February 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	70.8	36.6	8.3	12.1	16.3	2.6	2.6				149.2
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	70.8	36.6	8.3	12.1	16.3	2.6	2.6				149.2
Initial Spares											
Total Proc Cost	70.8	36.6	8.3	12.1	16.3	2.6	2.6				149.2
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 (SOF) personnel multiple communications capabilities and precision location. The radio determines the survivor's location through an embedded Global Positioning System (GPS) capability. The survivor transmits position/location and situational information via two-way voice Line-of-Sight, beacon, or Over-The-Horizon (OTH) communication paths. The Joint Search and Rescue Center (JSRC) receives the OTH 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. The Army survival radio requirements for Army Aviation and Special Operations are 19,729.

A total of 9,900 units are currently resourced (through FY09) out of a projected Army Acquisition Objective (AAO) of 19,729.

**Justification:**  
 FY08/FY09 procures CSEL Hand Held Radios and supports the fielding to Special Operations and Army Aviation units.  
 FY06 and FY07 include supplemental funding of \$11.1 million and \$8.250 million, respectively, to support the global war on terrorism (GWOT).

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
Radios		24599	2987	8.235	3358	450	7.462	4365	585	7.462	6402	858	7.462
Other Hardware		4500			1833			4620			6775		
System Project Management		1989			1104			1000			1000		
Government Engineering		800											
Test		350			375								
Fielding/Training		1600			1600			1512			1510		
Logistics Support		2800						575			575		
Facilitization													
-----													
NOTES:													
Other Hardware cost reflects the accessory equipment provided to the Army during fielding (e.g.,Radio Set Adapter, Rechargeable Batteries, Laptops, etc.).													
<b>Total:</b>		<b>36638</b>			<b>8270</b>			<b>12072</b>			<b>16262</b>		

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

Date:  
February 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: COMBAT SURVIVOR EVADER LOCATOR (CSEL) (B03200)							
<b>Radios</b>										
FY 2006	Boeing, North America Anaheim, CA	SS/FFP	AFMC/ESC Hanscom AFB MA	Mar 06	Jan 07	2987	8.235	Y		
FY 2007	Boeing, North America Anaheim, CA	SS/FFP	AFMC/ESC Hanscom AFB MA	Mar 07	Jan 08	450	7.462	Y		
FY 2008	Boeing, North America Anaheim, CA	SS/FFP	AFMC/ESC Hanscom AFB	Mar 08	Jan 09	585	7.462	Y		
FY 2009	Boeing, North America Anaheim, CA	SS/FFP	AFMC/ESC Hanscom AFB	Mar 09	Jan 10	858	7.462	Y		

REMARKS:



<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE COMBAT SURVIVOR EVADER LOCATOR (CSEL) (B03200)	Date: February 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	

Radios																															
1	FY 06	A	2987	882	2105	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	47	0		
1	FY 07	A	450	0	450				38	38	38	38	38	38	38	38	38	38	38	32									0		
1	FY 08	A	585	0	585						A										49	49	49	49	49	49	49	49	144		
1	FY 09	A	858	0	858																		A						858		
Total						4880	882	3998	98	98	98	136	136	136	136	136	136	136	136	136	130	147	147	147	147	147	147	96	49	49	1002
						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	Boeing, North America, Anaheim, CA	20	262	750		1	Initial	0	9	12	21	"CSEL is a Joint Program; the monthly deliveries reflect only the Army portion of a joint buy. A "0" indicates that CSEL radio deliveries are being made to a service other than Army for that month. There is no break in production, the Army is not scheduled to receive any deliveries for that particular month."
							Reorder	0	6	10	16	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					





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

Date: February 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	299.0	838.3	96.1	65.5	48.8	54.9	41.5	44.4	35.5		1524.0
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	299.0	838.3	96.1	65.5	48.8	54.9	41.5	44.4	35.5		1524.0
Initial Spares											
Total Proc Cost	299.0	838.3	96.1	65.5	48.8	54.9	41.5	44.4	35.5		1524.0
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) (AN/PRC-148), the High Frequency Radio (HF)(AN/PRC-150), the Motorola and EF Johnson Land Mobile Radio (LMR), the COTS Vehicular Adapter Amplifiers (VAA)(AN/VRC-10 and AN/VRC-11), and the COTS Tactical (TACSAT) radios (AN/PSC-5D and AN/PRC-117).

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, ANDVT waveforms, and a retransmission capability compatible with existing equipment. The AN/PRC-148 is manufactured by Harris Corporation, Rochester, NY.

The AN/PRC-150 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 (BLOS) communication in USB, LSB, AME, CW, and FM modes. The radio is interoperable with other HF radios within the Army that have these modes of operation. The National Security Agency (NSA) endorsed the COMSEC features of the AN/PRC-150 HF radio on 4 June 2001. The AN/PRC-150 is manufactured by Harris Corporation, Rochester, NY.

The LMR (Motorola & EF Johnson) provides intra-squad/team communications for non-critical C2 admin and log functions. The LMR also provides capability for the Army National Guard (ARNG) forces to interoperate with federal/state/local officials who also employ the LMR during Homeland Security and disaster relief operations. The Motorola LMRs were procured to support the Hurricane States in FY06 and the EF Johnson LMR for the Modular Force in FY07.

The VAA is a COTS/NDI system that provides a SINCGARS like capability. The VAA consists of two Type I tactical hand held radios, 2 adaptors, and an interface tray that installs into a Military Vehicle outfitted with a SINCGARS Installation Kit. The VAA is required to support the Stryker Brigade Combat Teams (SBCTs) and other Army Divisional Units as part of the Army Modular Force Strategy. The VAA is manufactured by Thales Corporation in Bethesda, Maryland and Harris Corporation, Rochester, New York.

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: February 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>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 (WFN), and support Army Special Operations Forces (SOF) 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.</p> <p><b>Justification:</b>  FY08/09 will procure TACSAT Radios, AN/PRC-150 radios and AN/PRC-148 radios in support of Rapid Fielding Initiatives and Modularity.</p> <p>FY06 and FY07 include supplemental funding of \$832.7 million and \$48.2 million respectively, to support the global war on terrorism (GWOT).</p>		

<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: RADIO, IMPROVED HF (COTS) FAMILY (BU8100)			Weapon System Type:			Date: February 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
COTS Tactical Radios		838277			96075			22101			27255		
Hand Held Radio/PRC 148								21714			251		
High Frequency Radio/PRC 150								21715			21250		
<b>Total:</b>		<b>838277</b>			<b>96075</b>			<b>65530</b>			<b>48756</b>		

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

Date: February 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	299.0	838.3	96.1	22.1	27.3	17.0	5.0			Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	299.0	838.3	96.1	22.1	27.3	17.0	5.0			Continuing	Continuing
Initial Spares											
Total Proc Cost	299.0	838.3	96.1	22.1	27.3	17.0	5.0			Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**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, ANDVT waveforms, and a retransmission capability compatible with existing equipment. The AN/PRC-148 is manufactured by &.

The AN/PRC-150 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 (BLOS) communication in USB, LSB, AME, CW, and FM modes. The radio is interoperable with other HF radios within the Army that have these modes of operation. The National Security Agency (NSA) endorsed the COMSEC features of the AN/PRC-150 HF radio on 4 June 2001. The AN/PRC-150 is manufactured by &.

The VAA is a COTS/NDI system that provides a SINCGARS like capability. The VAA consists of two Type I tactical hand held radios, 2 adaptors, and an interface tray that installs into a Military Vehicle outfitted with a SINCGARS Installation Kit. The VAA is required to support the Stryker Brigade Combat Teams (SBCTs) and other Army Divisional Units as part of the Army Modular Force Strategy. The VAA is manufactured by Thales Corporation in Bethesda, Maryland and Harris Corporation, Rochester, New York.

The LMR (Motorola & EF Johnson) provides intra-squad/team communications for non-critical C2 admin and log functions. The LMR also provides capability for the Army National Guard (ARNG) forces to interoperate with federal/state/local officials who also employ the LMR during Homeland Security and disaster relief operations. The Motorola LMR Radios were bought to support the Hurricane States in FY06, and the EF Johnson LMR Radio for the Modular Force in FY07.

The TACSAT radios (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 (WFN), and support Army Special Operations Forces (SOF) 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 of Largo FL. The AN/PRC-

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: February 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:
<p>117F is manufactured by Harris Corp of Rochester NY.</p> <p>FY07 &amp; prior years was comprised of COTS Tactical Radios, which included AN/PRC-148, AN/PRC-150, VAA, and LMR's. These radios have been moved to their own SSNs</p> <p><b>Justification:</b> FY08/09 funding will procure both 5D and 117F TACSAT radios. Quantities of each TBD by DA yearly.</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: COTS Tactical Radios (B81803)			Weapon System Type:		Date: February 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>HF Radio Procurements</b>													
PRC-150 (HF)		241767	4740	51.0	61204	1200	51.0						
PRC-148 (HHR)		3570	510	7.0	17913	2559	7.0						
Land Mobile Radio		124866	54289	2.3									
Vehicular Amplified Adaptor (VAA)		374769	16260	23.0									
Associated Support Items of Equipment		40638			4064								
Initial Spares and Repairs		22349			2879								
<b>Subtotal- Hardware</b>		<b>807959</b>			<b>86060</b>								
<b>NON-Hardware Support</b>													
Project Management		13832			7808								
Engineering/Technical Support/ Test		16486			2207								
<b>NON- Hardware summary</b>		<b>30318</b>			<b>10015</b>								
<b>COTS TACSAT Radio Procurements</b>													
COTS TACSAT Radio Hardware								21301			26455		
<b>Subtotal- Hardware</b>								<b>21301</b>			<b>26455</b>		
<b>NON- Hardware Support</b>													
Project Management								800			800		
<b>Total:</b>		<b>838277</b>			<b>96075</b>			<b>22101</b>			<b>27255</b>		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: COTS Tactical Radios (B81803)								
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>PRC-150 (HF)</b>										
FY 2006	Harris Corp - 150 Rochester, NY	C/Option	LCCM, Ft. Mon, NJ			8954		Y		
FY 2007	Harris Corp - 150 Rochester, NY	C/Option	LCCM, Ft. Mon, NJ			1959		Y		
<b>PRC-148 (HHR)</b>										
FY 2006	Harris Corp-148 Rochester, NY	C/Option	LCCM, Ft. Mon, NJ			510		Y		
<b>Land Mobile Radio</b>										
FY 2006	Motorola/EF Johnson Co.- LMR Irving , TX	C/Option	LCCM, Ft. Mon, NJ			54289		Y		
<b>Vehicular Amplified Adaptor (VAA)</b>										
FY 2006	Thales -VAA Bethesda, MD	C/Option	LCCM, Ft. Mon, NJ			16260		Y		
<b>COTS TACSAT Radio Procurements</b>										
FY 2008	Harris Corp TACSAT Rochester, NY	C/Option	LCCM, Ft. Mon, NJ			387		Y		
FY 2009	Harris Corp TACSAT Rochester, NY	C/Option	LCCM, Ft. Mon, NJ			481		Y		

REMARKS:



<b>FY 06 / 07 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE COTS Tactical Radios (B81803)	Date: February 2007
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COST ELEMENTS						Fiscal Year 06												Fiscal Year 07												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 06												Calendar Year 07												
						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	
PRC-150 (HF)																														
1	FY 06	A	4740	-4214	8954																								0	
1	FY 07	A	1200	-759	1959																								1159	
PRC-148 (HHR)																														
2	FY 06	A	510	0	510																								0	
2	FY 07	A	2559	0	2559																								2534	
Land Mobile Radio																														
3	FY 06	A	6636	0	6636																								0	
3	FY 07	A	54289	0	54289																								18689	
Vehicular Amplified Adaptor (VAA)																														
4	FY 06	A	16260	0	16260																								9460	
COTS TACSAT Radio Hardware																														
5	FY 08	A	868	0	868																								868	
Total																														
			87062	-4973	92035																								32710	
						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
1	Harris Corp - 150, Rochester, NY	60	600	900		1	Initial	0	1	3	4	
							Reorder	0	1	3	4	
2	Harris Corp-148, Rochester, NY	100	325	800		2	Initial	0	1	9	10	
							Reorder	0	1	6	7	
3	Motorola/EF Johnson Co.- LMR, Irving , TX	2000	4000	5000			Initial	0	1	6	7	
							Reorder	0	1	3	4	
4	Thales -VAA, Bethesda, MD	65	500	1000		3	Initial	0	1	6	7	
							Reorder	0	1	4	5	
5	Harris Corp TACSAT, Rochester, NY	100	100	100		5	Initial	0	1	3	4	
							Reorder	0	1	5	6	

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE COTS Tactical Radios (B81803)	Date: February 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			
PRC-150 (HF)																																
1	FY 06	A	4740	4740																								0				
1	FY 07	A	1200	41	1159	100	200	250	303	306																		0				
PRC-148 (HHR)																																
2	FY 06	A	510	510																								0				
2	FY 07	A	2559	25	2534	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	234	0			
Land Mobile Radio																																
3	FY 06	A	6636	6636																								0				
3	FY 07	A	54289	35600	18689	5000	5000	5000	3689																			0				
Vehicular Amplified Adaptor (VAA)																																
4	FY 06	A	16260	6800	9460	1000	1000	1000	1000	1000	1000	1000	1000	1000	460													0				
COTS TACSAT Radio Hardware																																
5	FY 08	A	868	0	868						A						100	100	100	100	100	100	100	100	100	68		0				
Total						87062	54352	32710	6200	6300	6350	5092	1406	1100	1100	1100	1100	560	100	100	200	200	200	200	200	200	200	168	100	100	234	
						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	5				
1	Harris Corp - 150, Rochester, NY	60	600	900		1	Initial	0	1	3	4	
							Reorder	0	1	3	4	
2	Harris Corp-148, Rochester, NY	100	325	800		2	Initial	0	1	9	10	
							Reorder	0	1	6	7	
3	Motorola/EF Johnson Co.- LMR, Irving , TX	2000	4000	5000			Initial	0	1	6	7	
							Reorder	0	1	3	4	
4	Thales -VAA, Bethesda, MD	65	500	1000		3	Initial	0	1	6	7	
							Reorder	0	1	4	5	
5	Harris Corp TACSAT, Rochester, NY	100	100	100		4	Initial	0	1	3	4	
							Reorder	0	1	5	6	

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

Date: February 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				21.7	0.3	5.1	13.6	6.0	6.0		52.6
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				21.7	0.3	5.1	13.6	6.0	6.0		52.6
Initial Spares											
Total Proc Cost				21.7	0.3	5.1	13.6	6.0	6.0		52.6
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:**

FY08/09 will procure AN/PRC-148 radios, in support of Modularity and GWOT requirements.

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: HAND HELD RADIO/PRC 148 (B81804)			Weapon System Type:			Date: February 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>Radio Hardware - Recurring</b>													
PRC-148								19804	3341	6	228	39	6
<b>SubTotal Radio Hardware</b>								<b>19804</b>			<b>228</b>		
<b>Support Costs</b>													
Assoc SPT Items of Equipment (ASIOE)								1074			13		
Engineering Technical/Training								836			10		
<b>SubTotal Support Costs</b>								<b>1910</b>			<b>23</b>		
<b>Total:</b>								<b>21714</b>			<b>251</b>		

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

Date:  
February 2007

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)						
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>PRC-148</b>											
FY 2008		C/Options	JTRS JPEO, San Diego, CA	Jun 08	Jan 09	3341	6	Y			
FY 2009		C/Options	JTRS JPEO, San Diego, CA	Jun 09	Jan 10	39	6	Y			

REMARKS: Future procurements of AN/PRC-148 will use the JTRS JPEO Competitive Contract Schedule for the Jun 08 award.



<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>										P-1 ITEM NOMENCLATURE HAND HELD RADIO/PRC 148 (B81804)										Date: February 2007									
<b>COST ELEMENTS</b>						<b>Fiscal Year 10</b>										<b>Fiscal Year 11</b>										Later			
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	<b>Calendar Year 10</b>										<b>Calendar Year 11</b>													
						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
PRC-148																													
	1	FY 08	A	3341	2250	1091	325	325	325	116																			0
	1	FY 09	A	39	0	39				39																			0
Total						3380	2250	1130	325	325	325	155																	
						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																	
										Initial																			
										Reorder																			
										Initial																			
										Reorder																			
										Initial																			
										Reorder																			
										Initial																			
										Reorder																			
										Initial																			
										Reorder																			

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

Date: February 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				21.7	21.3	32.9	22.9	38.4	29.5		166.7
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				21.7	21.3	32.9	22.9	38.4	29.5		166.7
Initial Spares											
Total Proc Cost				21.7	21.3	32.9	22.9	38.4	29.5		166.7
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The AN/PRC-150 is a Commercial Off-the-Shelf (COTS) Non-Developmental Item (NDI) family of advanced High Frequency (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 (BLOS) communication in USB, LSB, AME, CW, and FM modes. The radio is capable of interoperability with other HF radios that have these modes of operation already in use within the Army. The National Security Agency (NSA) endorsed the COMSEC features of the AN/PRC-150 HF radio on 4 June 2001.

**Justification:**

FY08/09 funds will procure 426 and 417 AN/PRC-150 radios respectively.



<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: February 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>PRC-150 Manuacturing Cost</b>													
PRC-150								21550	426	51	21150	417	51
<b>Subtotal Flyaway Costs</b>								<b>21550</b>			<b>21150</b>		
<b>Support Cost</b>													
Associated Spt Items of Equipment (ASIOE)								165			100		
<b>Subtotal Support Costs</b>								<b>165</b>			<b>100</b>		
<b>Total:</b>								<b>21715</b>			<b>21250</b>		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: HIGH FREQUENCY RADIO/PRC 150 (B81806)							
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>PRC-150</b>										
FY 2008	Harris Corp Rochester, NY	C/Options	LCCMC-FT. Monmouth	Jan 08	May 08	426	51	Y		
FY 2009	Harris Corp Rochester, NY	C/Options	LCCMC-FT. Monmouth	Jan 09	Jun 09	417	51	Y		

REMARKS:

**FY 09 / 10 BUDGET PRODUCTION SCHEDULE**

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

Date: February 2007

COST ELEMENTS						Fiscal Year 09											Fiscal Year 10											Later
MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09											Calendar Year 10											
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	

PRC-150																														
MFR	FY	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	Later
1	FY 08	A	426	36	390				A					20	25	30	40	40	40	30	30	30	30	30	15				0	
1	FY 09	A	417	0	417																	A				25	40	40	50	262
<b>Total</b>														20	25	30	40	40	40	30	30	30	30	30	15	25	40	40	50	262

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS Options Executed.		
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct					
		1	Initial	Reorder			0	1	3	4			
1	Harris Corp, Rochester, NY	60	600	900		1	Initial	Reorder	0	1	3	4	
							Initial	Reorder					
							Initial	Reorder					
							Initial	Reorder					
							Initial	Reorder					

**FY 11 / 12 BUDGET PRODUCTION SCHEDULE**

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

Date: February 2007

COST ELEMENTS						Fiscal Year 11												Fiscal Year 12												Later
MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11												Calendar Year 12												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

PRC-150																													
1	FY 08	A	426	426																								0	
1	FY 09	A	417	155	262	30	30	42	50	50	37	23																0	
Total						843	581	262	30	30	42	50	50	37	23														
						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	Harris Corp, Rochester, NY	60	600	900		1	Initial	0	1	3	4	
							Reorder	0	1	3	4	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

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

Date: February 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										Continuing	Continuing
Gross Cost	79.1	42.3	10.5	19.5	16.9	8.6	5.2	16.6	17.3	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	79.1	42.3	10.5	19.5	16.9	8.6	5.2	16.6	17.3	Continuing	Continuing
Initial Spares											
Total Proc Cost	79.1	42.3	10.5	19.5	16.9	8.6	5.2	16.6	17.3	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**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' medical treatment 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:**  
 FY08/09 procures MC4 hardware and provides new equipment training to support on-going infrastructure deployment which will provide Theater 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 Global War on Terrorism units, as well as designated warfighting Combatant Commanders.

FY06 total includes supplemental funding of \$39.3 million to support the global war on terrorism (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: MEDICAL COMM FOR CBT CASUALTY CARE (MC4) (MA8046)			Weapon System Type:			Date: February 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
Medical Information Systems Equipment		35997			2320			10140			7359		
PMO Fielding Management		1041			3840			3950			4065		
Field equipment /conduct New Equip Train		5259			4346			5435			5524		
<b>Total:</b>		<b>42297</b>			<b>10506</b>			<b>19525</b>			<b>16948</b>		

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

Date:  
February 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>Medical Information Systems Equipment</b>										
FY 2006	TBS	C/FP	ITEC4- Alexandria	Nov 05	Jan 06			yes		
FY 2007	TBS	C/FP	ITEC4- Alexandria	Jan 07	TBD			yes		
FY 2008	TBS	C/FP	ITEC4- Alexandria	Dec 07	TBD					
FY 2009	TBS	C/FP	ITEC4- Alexandria	TBD	TBD					
<b>PMO Fielding Management</b>										
FY 2006	General Dynamics (IT) Frederick, MD	FP	GSA Philadelphia	Feb 06	VAR			na		
FY 2007	General Dynamics (IT) Frederick, MD	FP	GSA Philadelphia	Feb 07	VAR			na		
FY 2008	General Dynamics (IT) Frederick, MD	FP	GSA Philadelphia	Feb 08	VAR			na		
FY 2009	General Dynamics (IT) Frederick, MD	FP	GSA Philadelphia	Feb 09	VAR			na		
<b>Field equipment /conduct New Equip Train</b>										
FY 2006	General Dynamics (IT) Frederick, MD	CP	GSA Philadelphia	Feb 06	VAR			na		
FY 2007	General Dynamics (IT) Frederick, MD	CP	GSA Philadelphia	Feb 07	VAR			na		
FY 2008	General Dynamics (IT) Frederick, MD	CP	GSA Philadelphia	Feb 08	VAR			na		
FY 2009	General Dynamics (IT) Frederick, MD	CP	GSA Philadelphia	Feb 09	VAR			na		

REMARKS: 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: February 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	17.2	14.7	1.4	1.5	1.5	1.5	1.6	1.6	1.6	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	17.2	14.7	1.4	1.5	1.5	1.5	1.6	1.6	1.6	Continuing	Continuing
Initial Spares											
Total Proc Cost	17.2	14.7	1.4	1.5	1.5	1.5	1.6	1.6	1.6	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**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, enhancing 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. 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:**

FY08/09 will procure the Department of Defense Intelligence Information System (DODIIS)-compliant Counterintelligence (CI) and Human Intelligence (HUMINT) materiel solutions to support implementation of DCIIS at Army Intelligence sites at the MACOM level.

FY 2006 includes supplemental funding of \$11.2 million to support the global war on terrorism.



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

Date: February 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	97.9	38.4	14.9	23.2	16.8	19.4	7.6	5.8	6.1	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	97.9	38.4	14.9	23.2	16.8	19.4	7.6	5.8	6.1	Continuing	Continuing
Initial Spares											
Total Proc Cost	97.9	38.4	14.9	23.2	16.8	19.4	7.6	5.8	6.1	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**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, Control, Communications, Computers, 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 interoperable 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 units were delivered to the 101st Airborne Division in May 05. Fielding to remaining Army units is in progress.

AKMS is part of the management/support infrastructure for the new Modular Army architecture, which provides critical functions for supporting Army's transformation.

**Justification:**

FY08 and FY09 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.

FY06 total includes supplemental funding of \$35.7 million to support the global war on terrorism (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: TSEC - ARMY KEY MGT SYS (AKMS) (BA1201)			Weapon System Type:			Date: February 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
Simple Key Loader		36923	20535	1.798	12465	6932	1.798	13752	7370	1.866	7672	4027	1.905
Gov't Engineering		401			616			1697			2128		
Contractor Engineering		582			850			3462			3875		
Fielding/NET Current Systems		81			134			2228			1144		
Software Upgrade		400			574			1854			1733		
SKL ancillary equipment (cables)		20			225			232			239		
-----													
NOTE: SKL includes the host (COTS) and KOV-21 card, which is GFE from NSA.													
<b>Total:</b>		<b>38407</b>			<b>14864</b>			<b>23225</b>			<b>16791</b>		

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

Date:  
February 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>Simple Key Loader</b>										
FY 2006	Sierra Nevada Sparks, NV	C/IDIQ	Ft Monmouth Acquisition Center	Sep 06	Dec 06	20535	1.798	Yes		
FY 2007	Sierra Nevada Sparks, NV	C/IDIQ	Ft Monmouth Acquisition Center	Jan 07	Apr 07	6932	1.798	Yes		
FY 2008	Sierra Nevada Sparks, NV	C/IDIQ	Ft Monmouth Acquisition Center	Jan 08	Apr 08	7370	1.866	Yes		
FY 2009	Sierra Nevada Sparks, NV	C/IDIQ	Ft Monmouth Acquisition Center	Jan 09	Apr 09	4027	1.905	Yes		
<b>LCMS workstation</b>										
FY 2009		C/IDIQ	Ft Monmouth Acquisition Center	Jan 09	Sep 09	610	4.918	Yes		

REMARKS:

<b>FY 06 / 07 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE TSEC - ARMY KEY MGT SYS (AKMS) (BA1201)	Date: February 2007
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COST ELEMENTS						Fiscal Year 06														Fiscal Year 07														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 06														Calendar Year 07														
						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					

Simple Key Loader																																			
1	FY 05	A	10900	0	10900											1050	1163	1725	523	1659	575	305	2097	1575	228								0		
1	FY 06	A	20535	0	20535																														3028
1	FY 07	A	6932	0	6932																														4730
1	FY 08	A	7370	0	7370																														7370
1	FY 09	A	4027	0	4027																														4027
1	FY 06	AF	5020	0	5020																														740
1	FY 07	AF	8217	0	8217																														5607
1	FY 08	AF	5000	0	5000																														5000
1	FY 09	AF	5000	0	5000																														5000
1	FY 05	NA	600	0	600																														0
1	FY 06	NA	500	0	500																														73
1	FY 07	NA	2815	0	2815																														1921
1	FY 08	NA	500	0	500																														500
1	FY 09	NA	500	0	500																														500
1	FY 07	ANG	906	0	906																														618
						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 SKL deliveries include host and KOV-21 card.
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
1	Sierra Nevada, Sparks, NV	1	2300	3200		1	2	0	18	18	
							0	2	4	6	

<b>FY 06 / 07 BUDGET PRODUCTION SCHEDULE</b>															P-1 ITEM NOMENCLATURE TSEC - ARMY KEY MGT SYS (AKMS) (BA1201)										Date: February 2007				
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	------------------------	--	--	--	--

COST ELEMENTS					Fiscal Year 06															Fiscal Year 07															Later
					Calendar Year 06																				Calendar Year 07										
					MFR	FY	SE R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	FY 08	ANG	1000	0	1000																									1000					
1	FY 09	ANG	1000	0	1000																									1000					
1	FY 06	OTH	288	0	288													A			17	31	35	35	21	21	21	21	21	21	44				
1	FY 07	OTH	4850	0	4850																	A			257	257	257	257	257	257	3308				
1	FY 08	OTH	5000	0	5000																										5000				
1	FY 09	OTH	2500	0	2500																										2500				
Total			93460		93460							1050	1163	1725	523	1759	675	405	2197	3200	3199	3200	3200	3200	3200	3200	3200	3200	3198	51966					
						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 SKL deliveries include host and KOV-21 card.
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
		1	Sierra Nevada, Sparks, NV	1			2300	3200			
						Reorder	0	2	4	6	
						Initial					
						Reorder					
						Initial					
						Reorder					
						Initial					
						Reorder					
						Initial					
						Reorder					

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE TSEC - ARMY KEY MGT SYS (AKMS) (BA1201)	Date: February 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			

Simple Key Loader																																					
1	FY 05	A	10900	10900																																	0
1	FY 06	A	20535	17507	3028	1514	1514																														0
1	FY 07	A	6932	2202	4730	367	367	935	935	935	935	256																									0
1	FY 08	A	7370	0	7370																																0
1	FY 09	A	4027	0	4027																																2011
1	FY 06	AF	5020	4280	740	370	370																													0	
1	FY 07	AF	8217	2610	5607	435	436	1108	1108	1108	1108	304																								0	
1	FY 08	AF	5000	0	5000																															0	
1	FY 09	AF	5000	0	5000																															2498	
1	FY 05	NA	600	600																																0	
1	FY 06	NA	500	427	73	37	36																													0	
1	FY 07	NA	2815	894	1921	149	149	380	380	380	380	103																								0	
1	FY 08	NA	500	0	500																															0	
1	FY 09	NA	500	0	500																															248	
1	FY 07	ANG	906	288	618	48	48	122	122	122	122	34																								0	

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	Sierra Nevada, Sparks, NV	1	2300	3200		1	Initial	2	0	18	SKL deliveries include host and KOV-21 card.
							Reorder	0	2	4	
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				

**FY 08 / 09 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
TSEC - ARMY KEY MGT SYS (AKMS) (BA1201)

Date: February 2007

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				
1	FY 08	ANG	1000	0	1000				A			84	84	84	84	83	83	83	83	83	83	83	83	83									0
1	FY 09	ANG	1000	0	1000																A			84	84	84	84	83	83			498	
1	FY 06	OTH	288	244	44	22	22																									0	
1	FY 07	OTH	4850	1542	3308	257	257	654	654	654	654	178																				0	
1	FY 08	OTH	5000	0	5000				A			417	417	417	417	417	417	417	417	416	416	416	416									0	
1	FY 09	OTH	2500	0	2500																A			209	209	209	209	208	208			1248	
Total			93460	41494	51966	3199	3199	3199	3199	3199	2450	1575	1574	1574	1573	1573	1573	1573	1570	1570	1570	1570	1088	1088	1088	1088	1086	1086			6503		
						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 SKL deliveries include host and KOV-21 card.
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
1	Sierra Nevada, Sparks, NV	1	2300	3200		1	Initial	2	0	18	18
							Reorder	0	2	4	6
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				





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										
1	FY 08	ANG	1000	1000																																				0
1	FY 09	ANG	1000	502	498	83	83	83	83	83	83																												0	
1	FY 06	OTH	288	288																																			0	
1	FY 07	OTH	4850	4850																																			0	
1	FY 08	OTH	5000	5000																																			0	
1	FY 09	OTH	2500	1252	1248	208	208	208	208	208	208																												0	
Total			93460	86957	6503	1086	1085	1083	1083	1083	1083																													
						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				After 1 Oct
1	Sierra Nevada, Sparks, NV	1	2300	3200		1	Initial	2	0	18	18	
							Reorder	0	2	4	6	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

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

Date: February 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	624.6	68.7	92.6	60.3	74.6	53.3	40.0	42.7	43.4	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	624.6	68.7	92.6	60.3	74.6	53.3	40.0	42.7	43.4	Continuing	Continuing
Initial Spares											
Total Proc Cost	624.6	68.7	92.6	60.3	74.6	53.3	40.0	42.7	43.4	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**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:**

FY08/09 procures cryptographic solutions, high assurance network security devices and key management tools for information assurance. For Biometrics FY08/09 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, FY08/09 procures for PKI commercial-of-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.

FY07 total includes supplemental funding of \$1.1 million to support the global war on terrorism (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: INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)			Weapon System Type:			Date: February 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
NEW IN-LINE ENCRYPTOR	A	1485	150	10	5000	500	10	7007	637	11	11000	1000	11
LINK ENCRYPTORS	A	995	220	5	18480	2310	8						
TRUNK ENCRYPTORS	A	22468	2862	8	22976	2872	8						
LINK/TRUNK ENCRYPTORS	A							14496	1812	8	16000	2000	8
INSTALLATION KITS	A	6420	1800	4	8505	2835	3	5199	1733	3	5601	1867	3
SECURE WIRED	A				7280	3500	2	750	375	2	750	375	2
SECURE TERMINAL EQUIPMENT	A	364	1	364				4000	8000	1	7100	14200	1
SECURE WIRELESS	A	755	100	8	3000	300	10	750	75	10	750	75	10
ELECTRONIC FILL DEVICE	A				1016	508	2	4000	2000	2	9100	4550	2
TACTICAL KEY GENERATOR	A				1023	33	31						
EKMS	A	2252			3000			4368			3000		
FIELDING		18083			8246			8629			9826		
CRITICAL ARMY SYS - CYBER ATTACK TECH		2563			1500								
NETWORK SECURITY MANAGEMENT TOOLS		1326			5400			5400			5400		
SECURE VOICE ENCRYPTOR					84	14	6						
BIOMETRICS		7098			1465			3006			3881		
PUBLIC KEY INFRASTRUCTURE		4924			5634			2696			2230		
-----													
<b>Total:</b>		<b>68733</b>			<b>92609</b>			<b>60301</b>			<b>74638</b>		

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

Date:  
February 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 2006	VIASAT CARLSBAD, CA	IDIQ	NSA, FT MEADE, MD	Jan 06	Jan 07	150	10	YES		
FY 2007	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 07	Jan 08	500	10	YES		
FY 2008	GENERAL DYNAMICS NEEDHAM MA	IDIQ	NSA, FT MEADE, MD	Jan 08	Jan 09	637	11	YES		
FY 2009	GENERAL DYNAMICS NEEDHAM MA	IDIQ	NSA, FT MEADE, MD	Jan 09	Jan 10	1000	11	YES		
<b>LINK ENCRYPTORS</b>										
FY 2006	MYKOTRONX, INC TORRANCE, CA	IDIQ	NSA, FT MEADE, MD	Jan 06	Jan 07	220	5	YES		
FY 2007	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 07	Jan 08	2310	8	YES		
<b>TRUNK ENCRYPTORS</b>										
FY 2006	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 06	Jan 07	2862	8	YES		
FY 2007	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 07	Jan 08	2872	8	YES		
<b>LINK/TRUNK ENCRYPTORS</b>										
FY 2008	MYKOTRONX, INC TORRANCE, CA	IDIQ	NSA, FT MEADE, MD	Jan 08	Jan 09	1812	8	YES		
FY 2009	MYKOTRONX, INC TORRANCE, CA	IDIQ	NSA, FT MEADE, MD	Jan 09	Jan 10	2000	8	YES		
<b>INSTALLATION KITS</b>										
FY 2006	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 06	Jan 07	1800	4	NO		
FY 2007	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 07	Jan 08	2835	3	YES		
FY 2008	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 08	Jan 09	1733	3	YES		
FY 2009	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 09	Jan 10	1867	3	YES		
<b>SECURE WIRED</b>										

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

Date:  
February 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	
FY 2007	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 07	Jan 08	3500	2	YES			
FY 2008	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 08	Jan 09	375	2	YES			
FY 2009	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 09	Jan 10	375	2	YES			
<b>SECURE TERMINAL EQUIPMENT</b>											
FY 2006	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 06	Jan 07	1	364	YES			
FY 2008	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 08	Jan 09	8000	1	YES			
FY 2009	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 09	Jan 10	14200	1	YES			
<b>SECURE WIRELESS</b>											
FY 2006	HARRIS CORP MELBOURNE, FL	IDIQ	NSA, FT MEADE, MD	Jan 06	Jan 07	100	8	NO			
FY 2007	HARRIS CORP MELBOURNE, FL	IDIQ	NSA, FT MEADE, MD	Jan 07	Jan 08	300	10	YES			
FY 2008	HARRIS CORP MELBOURNE, FL	IDIQ	NSA, FT MEADE, MD	Jan 08	Jan 09	75	10	YES			
FY 2009	HARRIS CORP MELBOURNE, FL	IDIQ	NSA, FT MEADE, MD	Jan 09	Jan 10	75	10	NO			
<b>ELECTRONIC FILL DEVICE</b>											
FY 2007	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 07	Jan 08	508	2	YES			
FY 2008	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 08	Jan 09	2000	2	YES			
FY 2009	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 09	Jan 10	4550	2	YES			
<b>TACTICAL KEY GENERATOR</b>											
FY 2007	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 07	Jan 08	33	31	YES			
<b>SECURE VOICE ENCRYPTOR</b>											
FY 2007	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 07	Jan 08	14	6	YES			

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

Date:  
February 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)
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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:

**FY 06 / 07 BUDGET PRODUCTION SCHEDULE**

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

Date: February 2007

COST ELEMENTS					Fiscal Year 06												Fiscal Year 07												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 06												Calendar Year 07																												
						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																
<b>NEW IN-LINE ENCRYPTOR</b>																																														
7	FY 06	A	150	0	150				A																				12	12	12	13	13	13	13	13	13	13	13	13	36					
5	FY 07	A	500	0	500																									A															500	
1	FY 08	A	637	0	637																																								637	
1	FY 09	A	1000	0	1000																																								1000	
<b>LINK ENCRYPTORS</b>																																														
2	FY 06	A	220	0	220				A																				18	18	18	19	19	19	19	19	18	18				54				
5	FY 07	A	2310	0	2310																									A																2310
<b>TRUNK ENCRYPTORS</b>																																														
5	FY 06	A	2862	0	2862				A																				238	238	238	239	239	239	239	239	239	239					714			
5	FY 07	A	2872	0	2872																									A																2872
<b>LINK/TRUNK ENCRYPTORS</b>																																														
2	FY 08	A	1812	0	1812																																							1812		
2	FY 09	A	2000	0	2000																																									2000
<b>INSTALLATION KITS</b>																																														
5	FY 06	A	1800	0	1800				A																				150	150	150	150	150	150	150	150	150	150					450			
						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	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	1000	6	2	Initial	0	3	12	15	
							Reorder	0	3	12	15	
3	L3, CAMDEN, NJ	10	1000	1500	6	3	Initial	0	3	12	15	
							Reorder	0	3	12	15	
4	SAFENET, BELCAMP, MD	10	500	1000	6	4	Initial	0	3	6	9	
							Reorder	0	3	6	9	
5	NSA, FORT MEADE, MD	10	500	1800	6	5	Initial	0	3	12	15	
							Reorder	0	3	12	15	
6	SYPRIS, LOUISVILLE, KY	10	500	1800	6	5	Initial	0	3	6	9	
							Reorder	0	3	6	9	
7	VIASAT, CARLSBAD, CA	10	500	1800	6	5	Initial	0	3	12	15	
							Reorder	0	3	12	15	
8	HARRIS CORP, MELBOURNE, FL	10	500	1800	6	5	Initial	0	3	12	15	
							Reorder	0	3	12	15	

FY 06 / 07 BUDGET PRODUCTION SCHEDULE	P-1 ITEM NOMENCLATURE INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)	Date: February 2007
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COST ELEMENTS						Fiscal Year 06														Fiscal Year 07														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 06														Calendar Year 07																	
						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								
5	FY 07	A	2835	0	2835																																
5	FY 08	A	1733	0	1733																																1733
5	FY 09	A	1867	0	1867																																1867
<b>SECURE WIRED</b>																																					
5	FY 07	A	3500	0	3500																																3500
5	FY 08	A	375	0	375																																375
5	FY 09	A	375	0	375																																375
<b>SECURE TERMINAL EQUIPMENT</b>																																					
3	FY 06	A	1	0	1					A																											0
5	FY 08	A	8000	0	8000																																8000
5	FY 09	A	14200	0	14200																																14200
<b>SECURE WIRELESS</b>																																					
8	FY 06	A	100	0	100					A																											24
8	FY 07	A	300	0	300																																300
8	FY 08	A	75	0	75																																75
8	FY 09	A	75	0	75																																75

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	D+			Prior 1 Oct	After 1 Oct			
		1	GENERAL DYNAMICS, NEEDHAM MA	10	500	1800	6	1	Initial	0	3	
							Reorder	0	3	12	15	
2	MYKOTRONX, INC, TORRANCE, CA	10	500	1000	6	2	Initial	0	3	12	15	
							Reorder	0	3	12	15	
3	L3, CAMDEN, NJ	10	1000	1500	6	3	Initial	0	3	12	15	
							Reorder	0	3	12	15	
4	SAFENET, BELCAMP, MD	10	500	1000	6	3	Initial	0	3	12	15	
							Reorder	0	3	12	15	
5	NSA, FORT MEADE, MD	10	500	1800	6	4	Initial	0	3	6	9	
							Reorder	0	3	6	9	
6	SYPRIS, LOUISVILLE, KY	10	500	1800	6	4	Initial	0	3	6	9	
							Reorder	0	3	6	9	
7	VIASAT, CARLSBAD, CA	10	500	1800	6	5	Initial	0	3	12	15	
							Reorder	0	3	12	15	





<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)	Date: February 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					
NEW IN-LINE ENCRYPTOR																																		
7	FY 06	A	150	114	36	12	12	12																					0					
5	FY 07	A	500	0	500				41	41	42	42	42	42	42	42	42	41	41										0					
1	FY 08	A	637	0	637				A											53	53	53	53	53	54	53	53	53	159					
1	FY 09	A	1000	0	1000															A									1000					
LINK ENCRYPTORS																																		
2	FY 06	A	220	166	54	18	18	18																					0					
5	FY 07	A	2310	0	2310				192	192	192	193	193	193	193	193	193	192	192	192									0					
TRUNK ENCRYPTORS																																		
5	FY 06	A	2862	2148	714	238	238	238																					0					
5	FY 07	A	2872	0	2872				239	239	239	239	240	240	240	240	239	239	239	239									0					
LINK/TRUNK ENCRYPTORS																																		
2	FY 08	A	1812	0	1812				A											151	151	151	151	151	151	151	151	151	453					
2	FY 09	A	2000	0	2000															A									2000					
INSTALLATION KITS																																		
5	FY 06	A	1800	1350	450	150	150	150																					0					

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				
									Initial			
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	1000	6	2	Initial	0	3	12	15	
							Reorder	0	3	12	15	
3	L3, CAMDEN, NJ	10	1000	1500	6		Initial	0	3	12	15	
							Reorder	0	3	12	15	
4	SAFENET, BELCAMP, MD	10	500	1000	6	3	Initial	0	3	12	15	
							Reorder	0	3	12	15	
5	NSA, FORT MEADE, MD	10	500	1800	6		Initial	0	3	6	9	
							Reorder	0	3	6	9	
6	SYPRIS, LOUISVILLE, KY	10	500	1800	6	4	Initial	0	3	12	15	
							Reorder	0	3	12	15	
7	VIASAT, CARLSBAD, CA	10	500	1800	6		Initial	0	3	12	15	
							Reorder	0	3	12	15	
8	HARRIS CORP, MELBOURNE, FL	10	500	1800	6	5	Initial	0	3	12	15	
							Reorder	0	3	12	15	

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>															P-1 ITEM NOMENCLATURE INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)										Date: February 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			
5	FY 07	A	2835	0	2835				236	236	236	236	236	237	237	237	236	236	236	236												0
5	FY 08	A	1733	0	1733				A												144	144	144	145	145	145	145	145	144	432		
5	FY 09	A	1867	0	1867																A									1867		
<b>SECURE WIRED</b>																																
5	FY 07	A	3500	0	3500				291	291	292	292	292	292	292	292	292	292	291	291										0		
5	FY 08	A	375	0	375				A												31	31	31	31	32	32	32	31	31	93		
5	FY 09	A	375	0	375																A									375		
<b>SECURE TERMINAL EQUIPMENT</b>																																
3	FY 06	A	1	1																										0		
5	FY 08	A	8000	0	8000				A												667	667	667	667	667	667	665	667	667	1999		
5	FY 09	A	14200	0	14200																A									14200		
<b>SECURE WIRELESS</b>																																
8	FY 06	A	100	76	24	8	8	8																						0		
8	FY 07	A	300	0	300				25	25	25	25	25	25	25	25	25	25	25											0		
8	FY 08	A	75	0	75				A												6	6	6	6	7	7	7	6	6	18		
8	FY 09	A	75	0	75																A									75		
						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	GENERAL DYNAMICS, NEEDHAM MA	10	500	1800	6	1	0	3	12	15	
							0	3	12	15	
2	MYKOTRONX, INC, TORRANCE, CA	10	500	1000	6	2	0	3	12	15	
3	L3, CAMDEN, NJ	10	1000	1500	6		0	3	12	15	
4	SAFENET, BELCAMP, MD	10	500	1000	6	3	0	3	12	15	
5	NSA, FORT MEADE, MD	10	500	1800	6		0	3	12	15	
6	SYPRIS, LOUISVILLE, KY	10	500	1800	6	4	0	3	6	9	
7	VIASAT, CARLSBAD, CA	10	500	1800	6		0	3	6	9	
8	HARRIS CORP, MELBOURNE, FL	10	500	1800	6	5	0	3	12	15	
							0	3	12	15	



<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)	Date: February 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																																		
7	FY 06	A	150	150																									0					
5	FY 07	A	500	500																									0					
1	FY 08	A	637	478	159	53	53	53																					0					
1	FY 09	A	1000	0	1000				83	83	83	83	84	84	84	84	83	83	83	83									0					
LINK ENCRYPTORS																																		
2	FY 06	A	220	220																									0					
5	FY 07	A	2310	2310																									0					
TRUNK ENCRYPTORS																																		
5	FY 06	A	2862	2862																									0					
5	FY 07	A	2872	2872																									0					
LINK/TRUNK ENCRYPTORS																																		
2	FY 08	A	1812	1359	453	151	151	151																					0					
2	FY 09	A	2000	0	2000				166	166	167	167	167	167	167	167	167	167	166	166									0					
INSTALLATION KITS																																		
5	FY 06	A	1800	1800																									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 THESE ARE MULTISERVICE CONTRACTS WITH MULTIPLE DELIVERIES TO EACH DEPARTMENT OF DEFENSE AGENCY.		
		MIN	1-8-5	MAX	1			2	3				4	5
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	1000	6	2	Initial	0	3	12	15			
							Reorder	0	3	12	15			
3	L3, CAMDEN, NJ	10	1000	1500	6		Initial	0	3	12	15			
							Reorder	0	3	12	15			
4	SAFENET, BELCAMP, MD	10	500	1000	6	3	Initial	0	3	12	15			
							Reorder	0	3	12	15			
5	NSA, FORT MEADE, MD	10	500	1800	6		Initial	0	3	6	9			
							Reorder	0	3	6	9			
6	SYPRIS, LOUISVILLE, KY	10	500	1800	6	4	Initial	0	3	12	15			
							Reorder	0	3	12	15			
7	VIASAT, CARLSBAD, CA	10	500	1800	6		Initial	0	3	6	9			
							Reorder	0	3	6	9			
8	HARRIS CORP, MELBOURNE, FL	10	500	1800	6	5	Initial	0	3	12	15			
							Reorder	0	3	12	15			

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)	Date: February 2007
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COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												
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												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	
5	FY 07	A	2835	2835																										0
5	FY 08	A	1733	1301	432	144	144	144																						0
5	FY 09	A	1867	0	1867				155	155	155	156	156	156	156	156	156	156	155	155										0
SECURE WIRED																														
5	FY 07	A	3500	3500																										0
5	FY 08	A	375	282	93	31	31	31																						0
5	FY 09	A	375	0	375				31	31	31	31	31	32	32	32	31	31	31	31										0
SECURE TERMINAL EQUIPMENT																														
3	FY 06	A	1	1																										0
5	FY 08	A	8000	6001	1999	667	667	665																						0
5	FY 09	A	14200	0	14200				1184	1184	1183	1183	1183	1183	1183	1183	1183	1183	1184	1184										0
SECURE WIRELESS																														
8	FY 06	A	100	100																										0
8	FY 07	A	300	300																										0
8	FY 08	A	75	57	18	6	6	6																						0
8	FY 09	A	75	0	75				6	6	6	6	6	7	7	7	6	6	6	6										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	

MFR	Name - Location	PRODUCTION RATES					Reached D+	MFR		ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS THESE ARE MULTISERVICE CONTRACTS WITH MULTIPLE DELIVERIES TO EACH DEPARTMENT OF DEFENSE AGENCY.
		MIN	1-8-5	MAX	Prior 1 Oct	After 1 Oct								
		Initial	Reorder											
1	GENERAL DYNAMICS, NEEDHAM MA	10	500	1800	6	6	1	Initial	0	3	12	15		
2	MYKOTRONX, INC, TORRANCE, CA	10	500	1000	6	6	2	Initial	0	3	12	15		
3	L3, CAMDEN, NJ	10	1000	1500	6	6	3	Reorder	0	3	12	15		
4	SAFENET, BELCAMP, MD	10	500	1000	6	6	4	Initial	0	3	12	15		
5	NSA, FORT MEADE, MD	10	500	1800	6	6	5	Reorder	0	3	12	15		
6	SYPRIS, LOUISVILLE, KY	10	500	1800	6	6	6	Initial	0	3	6	9		
7	VIASAT, CARLSBAD, CA	10	500	1800	6	6	7	Reorder	0	3	6	9		
8	HARRIS CORP, MELBOURNE, FL	10	500	1800	6	6	8	Initial	0	3	12	15		
								Reorder	0	3	12	15		

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>															P-1 ITEM NOMENCLATURE INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)										Date: February 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							
ELECTRONIC FILL DEVICE																																				
5	FY 07	A	508	508																														0		
5	FY 08	A	2000	1501	499	167	166	166																										0		
5	FY 09	A	4550	0	4550				380	379	379	379	379	379	379	379	379	379	379	379	379												0			
TACTICAL KEY GENERATOR																																				
5	FY 07	A	33	33																													0			
SECURE VOICE ENCRYPTOR																																				
5	FY 07	A	14	14																													0			
Total																																				
			56704	28984	27720	1219	1218	1216	2005	2004	2004	2005	2006	2008	2008	2008	2005	2005	2004	2005																
						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 THESE ARE MULTISERVICE CONTRACTS WITH MULTIPLE DELIVERIES TO EACH DEPARTMENT OF DEFENSE AGENCY.				
		MIN	1-8-5	MAX	1				2	3				4	5	Prior 1 Oct	After 1 Oct
																Initial	Reorder
1	GENERAL DYNAMICS, NEEDHAM MA	10	500	1800	6	1	Initial	0	3	12	15						
2	MYKOTRONX, INC, TORRANCE, CA	10	500	1000	6	2	Initial	0	3	12	15						
3	L3, CAMDEN, NJ	10	1000	1500	6	3	Initial	0	3	12	15						
4	SAFENET, BELCAMP, MD	10	500	1000	6	4	Initial	0	3	12	15						
5	NSA, FORT MEADE, MD	10	500	1800	6	5	Initial	0	3	12	15						
6	SYPRIS, LOUISVILLE, KY	10	500	1800	6	1	Initial	0	3	6	9						
7	VIASAT, CARLSBAD, CA	10	500	1800	6	2	Initial	0	3	6	9						
8	HARRIS CORP, MELBOURNE, FL	10	500	1800	6	3	Initial	0	3	12	15						
							Reorder	0	3	12	15						

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

Date: February 2007

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

P-1 Item Nomenclature  
TERRESTRIAL TRANSMISSION (BU1900)

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	164.9	14.7	14.4	9.6	9.2	9.4	7.5	9.9	11.3	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	164.9	14.7	14.4	9.6	9.2	9.4	7.5	9.9	11.3	Continuing	Continuing
Initial Spares											
Total Proc Cost	164.9	14.7	14.4	9.6	9.2	9.4	7.5	9.9	11.3	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**

This program is a component of the Army's seamless Enterprise Network that provides long-haul communications compatibility across operational systems supporting the Department of Defense approved program to modernize and integrate digital operations within the Pacific and European Theaters. The goal architecture will be able to accommodate the rapidly changing deployment and realignment of forces within the Pacific and European Theaters. The modernization program supports force projection through technology insertion and evolutionary changes. The program also utilizes emerging technological developments to capitalize on digital information systems throughout the worldwide Defense Information System Network (DISN). The objective is an integrated, survivable network that provides voice, data messaging, video and transmission services to the warfighter through the application of emerging technology such as Asynchronous Transfer Mode (ATM), Synchronous Optical Network (SONET), bulk encryption and network management systems. It will also continue the upgrade of power, timing and alarm systems for the European Transmission Systems.

The theater Combatant Commanders require a robust infrastructure that will facilitate mobilization and sustainment of a deployed force.

The Army Special Access Program Enterprise Portal (ASEP) is a secure enterprise wide area network providing a communications capability for the transmission of highly classified Special Access Required (SAR) information between the Army Operations Center (AOC), the Army staff, Army Special Access Programs (SAPs) and Army Sensitive Activities (SAs).

**Justification:**

FY08/09 procures on-going project management and engineering efforts to accomplish the Army unique requirements as defined by European Command (EUCOM) initiatives, as well as emerging requirements due to the realignment of forces throughout Europe.

FY08/09 funding also provides for the continuation of the Korean Fiber Network program initiated by US Forces Korea, the Korean Digital Microwave Upgrade, and Power/Alarm upgrades throughout the Pacific Theater as well as for the expansion of the ASEP network to key offices within the SAP/SA community, thus enhancing highly sensitive Army and Joint operations, intelligence and acquisition functions in support of the 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: TERRESTRIAL TRANSMISSION (BU1900)			Weapon System Type:		Date: February 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
TERRESTRIAL TRANSMISSION EUROPE			880			993			4016			2939		
TERRESTRIAL TRANSMISSION PACIFIC			13786			13381			5603			6288		
<b>Total:</b>			<b>14666</b>			<b>14374</b>			<b>9619</b>			<b>9227</b>		

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

Date: February 2007

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

P-1 Item Nomenclature  
TERRESTRIAL TRANSMISSION (BU2000)

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	53.8	0.9	1.0	4.0	2.9	3.1	1.2	3.4	4.7	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	53.8	0.9	1.0	4.0	2.9	3.1	1.2	3.4	4.7	Continuing	Continuing
Initial Spares											
Total Proc Cost	53.8	0.9	1.0	4.0	2.9	3.1	1.2	3.4	4.7	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**

This program supports the Department of Defense approved program to modernize and integrate digital long-haul communications operations within the European Theater. The goal architecture will be able to accommodate the rapidly changing deployment and realignment of forces within the European Theater. This program is a component of the Army's seamless Enterprise Network that provides compatibility across operational systems. The modernization program supports force projection through technology insertion and evolutionary changes. The program utilizes emerging technological developments to capitalize on digital information systems throughout the worldwide Defense Information Systems Network (DISN). The objective is an integrated, survivable network that provides voice, data messaging, network physical security services, video and transmission services to the warfighter through the application of technology such as ATM, SONET, bulk encryption and network management systems. It will also continue the upgrade of power, timing and alarm systems for the European Transmission Systems. The theater Combatant Commander requires a robust infrastructure that will facilitate mobilization between Outside Continental United States (OCONUS) based forces, deployed forces, and Continental United States (CONUS) command and support elements.

The Digital European Backbone (DEB) Programs realign the DISN in Europe to comply with mandates of the Conventional Forces, the Europe agreement and the Base Realignment and Closure (BRAC) Acts. This program supports all efforts related to the modernization of the command, control, communications and computer (C4) infrastructure in the DISN-Europe. This program also supports networks that provide voice, data, messaging, video, and transmission services to the warfighter through the application of emerging technologies such as Asynchronous Transfer Mode (ATM), the Synchronous Optical Network (SONET), bulk encryption, fiber, and microwave radios.

The Army Special Access Program Enterprise Portal (ASEP) is a secure enterprise wide area network providing a communications capability for the transmission of highly classified Special Access Required (SAR) information between the Army Operations Center (AOC), the Army staff, Army Special Access Programs (SAPs) and Army Sensitive Activities (SAs).

**Justification:**

FY08/09 procures on-going Project Management and engineering efforts to accomplish the Army unique requirements as defined by European Command (EUCOM) initiatives, as well as, emerging requirements due to the realignment of forces throughout Europe. The objective is an integrated, survivable network that provides voice, data messaging, network physical security services, video and transmission services to the warfighter through the application of technology such as ATM, SONET, bulk encryption and network management systems. FY08/09 funding will support the expansion of the ASEP network to key offices within the SAP/SA community, thus enhancing highly sensitive Army and Joint operations, intelligence and acquisition functions in support of the GWOT.

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
Program Management Administration		200			221			250			300		
Site Survey & Prep		175			210			250			300		
Furnish Bills of Material, Install &Test		505			562			1540			1339		
EF&I ASEP Systems								1976			1000		
<b>Total:</b>		<b>880</b>			<b>993</b>			<b>4016</b>			<b>2939</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:  
TERRESTRIAL TRANSMISSION (BU2000)

Weapon System Type:

Date:  
February 2007

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

Date: February 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: TERRESTRIAL TRANSMISSION PACIFIC (BU2100)

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	111.1	13.8	13.4	5.6	6.3	6.3	6.3	6.5	6.6	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	111.1	13.8	13.4	5.6	6.3	6.3	6.3	6.5	6.6	Continuing	Continuing
Initial Spares											
Total Proc Cost	111.1	13.8	13.4	5.6	6.3	6.3	6.3	6.5	6.6	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**  
 This program is a component of the Army's seamless Enterprise Network that provides long-haul communication compatibility across operational systems supporting the Department of Defense approved program to modernize and integrate digital operations within the Pacific Theater. This program modernizes the information and communication technology infrastructure by strategically improving the ability to successfully defend the Pacific Theater during periods of stress, increasing survivability of command, control, communications, computers and intelligence (C4I) systems; increasing information systems capacity to meet surge requirements; and improving the ability to reconstitute C4I systems. This program supports the command and control communication networks serving the Combined Forces Command, Commander US Forces Korea, Commander US Forces Japan and the United States Army Pacific Command. The Terrestrial Transmission Pacific program also supports the communication traffic routing and implements improvements with the Quality of Service (QoS). The objective is an integrated survivable network that provides voice, data, messaging, network physical security services, video and transmission services to the warfighter through the application of emerging technologies.

**Justification:**  
 FY08/09 procures the continuation of the Korean Fiber Network program initiated by US Forces Korea, the Korean Digital Microwave Upgrade (DMU), the Korean Optical Backbone Replacement (KOB) and the Korean Optical Networks (KOTNet). FY08/FY09 funding also procures requirements of long-haul communications between newly realigned forces in the Pacific Theater to include bases in Japan, Hawaii and Alaska, and Power/Alarm upgrades throughout the Pacific Theater.

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>													
Korean Digital Microwave Upgrade		2394	4	599	3800	6	633	500	1	500	500	1	500
Power /Alarm Upgrades		1000	4	250	972	3	324	1000	3	333	1000	3	333
Korean Fiber Optic Network		870	2	435	2350	4	588	3403	7	486	4038	8	505
AN/FCC-98 Replacement-Korea Equip		1000	70	14									
CIVN-K		2436	17	143	1884	13	145						
CWAN		1800	7	257	1000	4	250						
<b>SITE PREP/SURVEYS/ INSTALLATION:</b>													
Korean Digital Microwave Upgrade					1475			100			100		
Korean Fiber Optic Network		2468			600			100			100		
AN/FCC-98 Replacement-Korea		250											
CIVN-K		659			471								
CWAN		350			266								
Power / Alarms Upgrades		124			118			100			125		
Program Management Administration		435			445			400			425		
<b>Total:</b>		<b>13786</b>			<b>13381</b>			<b>5603</b>			<b>6288</b>		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: TERRESTRIAL TRANSMISSION PACIFIC (BU2100)								
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>Korean Digital Microwave Upgrade</b>										
FY 2006	Wyandotte Wyandott, OK	C/FP	Ft Huachuca AZ	Mar 06	May 06	4	599	Yes		
FY 2007	To Be Selected	C/FP	TBS	Mar 07	May 07	6	633	Yes		
FY 2008	To Be Selected	C/FP	TBS	Jan 08	Apr 08	1	500	Yes		
FY 2009	To Be Selected	C/FP	TBS	Jan 09	Apr 09	1	500	Yes		
<b>Power /Alarm Upgrades</b>										
FY 2006	Wyandotte Wyandott, OK	C/FP	Ft Huachuca AZ	Mar 06	Apr 06	4	250	Yes		
FY 2007	TAMSCO Calverton, MD	C/FP	Ft Monmouth NJ	Jan 07	Apr 07	3	324	Yes		
FY 2008	To Be Selected	C/FP	TBS	Jan 08	Apr 08	3	333	Yes		
FY 2009	To Be Selected	C/FP	TBS	Jan 09	Apr 09	3	333	Yes		
<b>Korean Fiber Optic Network</b>										
FY 2006	TAMSCO Calverton, MD	C/FP	Ft Monmouth NJ	Mar 06	May 06	2	435	Yes		
FY 2007	To Be Selected	C/FP	TBS	Mar 07	May 07	4	588	Yes		
FY 2008	To Be Selected	C/FP	TBS	Mar 08	May 08	7	486	Yes		
FY 2009	To Be Selected	C/FP	TBS	Mar 09	May 09	8	505	Yes		
<b>AN/FCC-98 Replacement-Korea Equip</b>										
FY 2006	Wyandotte Wyandott, OK	C/FP	Ft Huachuca AZ	Mar 06	May 06	70	14	Yes		
<b>CIVN-K</b>										
FY 2006	TAMSCO Calverton, MD	C/FP	Ft Monmouth NJ	Mar 06	May 06	17	143	Yes		
FY 2007	To Be Selected	TBS	TBS	Mar 07	May 07	13	145	Yes		
<b>CWAN</b>										
FY 2006	Various	C/FP	TBS	Mar 06	Apr 06	7	257	Yes		
FY 2007	To Be Selected	TBS		Feb 07	Apr 07	4	250	Yes		

REMARKS:

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

Date: February 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: BASE SUPPORT COMMUNICATIONS (BU4160)

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	372.8	36.9	45.9	34.5	35.4	36.1	36.9	37.7	38.5	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	372.8	36.9	45.9	34.5	35.4	36.1	36.9	37.7	38.5	Continuing	Continuing
Initial Spares											
Total Proc Cost	372.8	36.9	45.9	34.5	35.4	36.1	36.9	37.7	38.5	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**  
 This program funds Army-wide requirements for base support Land Mobile Radio (LMR) systems. Army non-tactical radios are commercial LMR systems that provide mobile and portable radio support to garrison safety, force protection, homeland defense, and facilities maintenance operations. Base support radios are used by installation military police, fire departments, medical personnel, and other emergency response activities to both synchronize emergency response efforts and for critical communications support during mobilization, deployment, and split-based operations. These personnel and base support functions would be greatly constrained without adequate communications capabilities that readily enable coordination, maximize the use of scarce radio spectrum, and provide secure voice transmissions. It is equally important that base LMR equipment be interoperable with state and local fire protection and law enforcement LMR architectures to ensure effective incident response communication. The LMR program modernizes the base level installation systems in two important areas. First, the National Telecommunications and Information Administration (NTIA) mandated the conversion of wideband LMR systems to narrowband operations by 1 January 2005 or 1 January 2008, depending on the specific frequency band. Second, LMR systems are key components of the Army Enterprise by providing a seamless communications network in support of base level communications and infrastructure.

**Justification:**  
 FY08/09 procures priority base support radio systems at installations currently at risk of non-compliance with the 1 January 2005 and 1 January 2008 NTIA narrowband mandate. Army installations across the Continental United States (CONUS) rely on base support LMR systems as a primary means to support force protection, public safety, installation management, and homeland security issions.

<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: BASE SUPPORT COMMUNICATIONS (BU4160)			Weapon System Type:			Date: February 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
Commercial Land Mobile Radio Systems and Program Management Army-wide		A	29987			27134			34520			35352		
Alaska Land Mobile Radio Program		A	6913			3500								
Spectrum Relocation Allowance						15303								
<b>Total:</b>			<b>36900</b>			<b>45937</b>			<b>34520</b>			<b>35352</b>		



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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: BASE SUPPORT COMMUNICATIONS (BU4160)								
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>Commercial Land Mobile Radio Systems and Program Management Army-wide</b>										
FY 2006	Motorola Columbia, MD	C/FP	CECOM, Ft Monmouth, NJ	VAR	VAR			YES	NO	
FY 2006	Booze Allen Hamilton Inc. Fairfax, VA	C/FP	CECOM, Ft Monmouth, NJ	VAR	VAR			YES	NO	
FY 2006	EF Johnson Waseca, MN	C/FP	CECOM, Ft Monmouth, NJ	VAR	VAR			YES	NO	
FY 2006	M/A Com Lynchburg, VA	C/FP	CECOM, Ft Monmouth, NJ	VAR	VAR			YES	NO	
FY 2007	Motorola Columbia, MD	C/FP	CECOM, Ft Monmouth, NJ	VAR	VAR			YES	NO	
FY 2007	Booze Allen Hamilton Inc. Fairfax, VA	C/FP	CECOM, Ft Monmouth, NJ	VAR	VAR			YES	NO	
FY 2007	TBS	C/FP	CECOM, Ft Monmouth, NJ	VAR	VAR			YES	NO	
FY 2008	TBS	C/FP	CECOM, Ft Monmouth, NJ	VAR	VAR			YES	NO	
FY 2009	TBS	C/FP	CECOM, Ft Monmouth, NJ	VAR	VAR			YES	NO	
<b>Alaska Land Mobile Radio Program</b>										
FY 2006	Motorola Columbia, MD	C/FP	CECOM, Ft Monmouth, NJ	VAR	VAR			YES	NO	
FY 2007	Motorola Columbia, MD	C/FP	CECOM, Ft Monmouth, NJ	VAR	VAR			YES	NO	

REMARKS:

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

Date: February 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: ELECTROMAG COMP PROG (EMCP) (BD3100)

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										Continuing	Continuing
Gross Cost	16.8	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	16.8	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	Continuing	Continuing
Initial Spares											
Total Proc Cost	16.8	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**

The Electromagnetic Compatibility Program (EMCP) ensures the readiness of command and control systems by testing the electromagnetic environment and engineering the frequency requirements to be compatible with other civil and defense communication and electronics (C-E) systems operating in the area. EMCP engineers conduct on-site spectrum surveys at existing and proposed C-E installations to determine the availability of frequency resources. Computer models are used to accurately predict the effects that the proposed system will have on the environment, as well as the effects the environment will have on the proposed system. This is done primarily to prevent expensive reworking or retrofitting but is also required when emission conflicts arise. The following equipment sustains and enhances the capability of the program:

- A. MEASUREMENT INSTRUMENTATION
- B. MEASUREMENT CONTROLLERS
- C. ANCILLARY EQUIPMENT: Antennas, amplifiers, filters, cabling, etc.
- D. ENGINEERING WORKSTATIONS AND PERIPHERALS: Computers, specialized software and related equipment that EMC engineers use to perform data reduction, analysis and engineering functions. Stand alone systems (NOT office automation) that automate data reduction and analysis thus greatly speeding the frequency engineering process.
- E. MEASUREMENT ACCESSIBILITY EQUIPMENT: For vehicles, electric generators, power inverters, and related equipment that EMC engineers use to gain access to remote sites where they perform their measurements.

**Justification:**

FY08/09 funds procure state-of-the-art hardware and software that provides the capability to characterize the digital electromagnetic environment and provides the required access to remote sites. Small frequency agile transmitters and receivers that transmit a high volume of information at lower power and higher speed, new digital modulation schemes, the extreme mobility of the new radios and increased spectrum congestion resulting from the advance of the "wireless world" make these acquisitions imperative.

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

Date: February 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: WW TECH CON IMP PROG (WWTCIP) (BU3610)

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	322.3	104.4	27.0	27.9	28.9	2.6	2.7			Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc PI	322.3	104.4	27.0	27.9	28.9	2.6	2.7			Continuing	Continuing
Initial Spares											
Total Proc Cost	322.3	104.4	27.0	27.9	28.9	2.6	2.7			Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**  
 The World Wide Technical Control Improvement Program (WWTCIP) is a continuing program to initiate, improve, expand and automate Army Defense Information Systems Network (DISN) Technical Control Facilities (TCFs) and Patch and Test Facilities (PTFs) to enable technical control personnel to gain full use of communications resources to support the Warfighters and gain information dominance. The program provides alternating and direct current (DC) power, timing and synchronization equipment, line conditioning equipment, and automatic technical control, Voice Frequency (VF) tactical interface, Defense Communications Tri-Tac interface and appropriate test equipment with associated hardware. The program benefits all users of the DISN worldwide including tactical users who connect to the DISN for long haul communications requirements. The upgrades provide the end user faster response time, high quality voice, video and digital circuits, and greatly minimizes outages. Many of the present configurations and equipment can no longer support the warfighters requirements of voice, digital data, and Video Teleconference (VTC) requirements as well as Asynchronous Transfer Mode (ATM) technology and GigaBit Ethernet. The program is essential to correct these problems and to support ever-increasing high speed digital requirements of the tactical and strategic users with minimal personnel requirements. The program currently supports Combatant Commanders programs in Europe and the Pacific as well as the Continental United States (CONUS) Power Projection Bases and Defense Satellite Communications Systems. The emerging requirements of new base consolidations in both the Pacific and European Theaters will require robust Technical Control capability.

WWTCP provides improvements to US Forces Command, Control, Communications, Computers, and Intelligence (C4I) Infrastructure in Afghanistan and Kuwait.

**Justification:**  
 FY08/09 procures equipment to improve, expand, automate and integrate Technical Control Facilities (TCF) and Patch and Test Facilities (PTF) in various CONUS/OCONUS sites, including the automation of manual technical controls, the upgrade of timing and synchronization systems, and the replacement of obsolete DC power systems.  
 FY08/09 also procures improvements to the C4I capacity for US Forces in Kuwait by increasing the reach-back capability of satellite communications and modernizing the Tech Control Facilities in Buehring and Arifjan. In Afghanistan, improvements to the C4I Infrastructure will be made to the Fiber Ring and Joint Operations Center at Bagram Air Base.  
 FY06 total includes supplemental funding of \$101.9 million to support the global war on terrorism (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: WW TECH CON IMP PROG (WWTCIP) (BU3610)			Weapon System Type:			Date: February 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
Fort Belvoir Equipment		1888	1	1888	1769	4	442	1980	4	495	1925	4	481
CONUS/OCONUS Sites													
Program Management Administration		245			300			300			350		
Engineer, Install & Test		400			700			600			650		
C4 Commercialization OEF/OIF		101900			24223			25000			26000		
<b>Total:</b>		<b>104433</b>			<b>26992</b>			<b>27880</b>			<b>28925</b>		

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

Date:  
February 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: WW TECH CON IMP PROG (WWTCIP) (BU3610)						
<b>Fort Belvoir Equipment</b> <b>CONUS/OCONUS Sites</b> FY 2006 FY 2007 FY 2008 FY 2009	TAMSCO Calverton, MD TBD TBD TBD TBD	C/FF TBD TBD TBD	Ft. Monmouth, NJ TBD TBD TBD	Nov 05 TBD TBD TBD	Jan 06 TBD TBD TBD	 4 4 4	 442 495 481	 Yes Yes Yes	    	    
<b>C4 Commercialization OEF/OIF</b> FY 2007 FY 2008 FY 2009	Various Various Various Various	Var Var Var	Var Var Var	Var Var Var	Var Var Var	   	   	Yes Yes Yes	   	   

REMARKS:

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

Date: February 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	2232.8	21.4	19.5	156.2	153.6	133.0	86.1	187.5	175.8	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc PI	2232.8	21.4	19.5	156.2	153.6	133.0	86.1	187.5	175.8	Continuing	Continuing
Initial Spares											
Total Proc Cost	2232.8	21.4	19.5	156.2	153.6	133.0	86.1	187.5	175.8	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**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 acquires 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:**  
 FY08/09 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. FY08/09 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, FY08/09 procures the continued modernization and sustainment of select intelligence processing and communication systems within the major US Forces Korea (USFK)/Combined Forces Command (CFC) command centers that support peninsula multidisciplinary intelligence, surveillance, and reconnaissance (ISR) operations.

<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 SYSTEMS (BB8650)			Weapon System Type:			Date: February 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
Information Systems(CONUS/Western Hem)		8937											
Information Systems (EUCOM)		1629			1788			1828			1869		
Information Systems (PACOM)		1588			3158			1925			1264		
Information Systems (MCA Support)		9219			14528			152417			150512		
<b>Total:</b>		<b>21373</b>			<b>19474</b>			<b>156170</b>			<b>153645</b>		

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

Date: February 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	101.5	9.2	14.5	152.4	150.5	131.0	84.0	185.5	173.7	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	101.5	9.2	14.5	152.4	150.5	131.0	84.0	185.5	173.7	Continuing	Continuing
Initial Spares											
Total Proc Cost	101.5	9.2	14.5	152.4	150.5	131.0	84.0	185.5	173.7	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**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:**  
 FY08/09 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.



OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		Total Cost \$000	Qty Each	Unit Cost \$000	Total Cost \$000	Qty Each	Unit Cost \$000	Total Cost \$000	Qty Each	Unit Cost \$000	Total Cost \$000	Qty Each	Unit Cost \$000
Telephone Switch		3000	2	1500	6681	5	1336	71000	9	7889	80000	12	6667
Switch Upgrades		2000	54	37	1150	60	19	27000	165	164	9496	106	90
Telephone System		1000	76	13	940	80	12	9398	180	52	11802	120	98
Engineering Svcs		1386			1834			5118			5746		
LAN Transport System		1833	74	25	3923	63	62	39901	165	242	43468	116	375
<b>Total:</b>		<b>9219</b>			<b>14528</b>			<b>152417</b>			<b>150512</b>		

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

Date:  
February 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>Telephone Switch</b>										
FY 2006	NORTEL Dallas, TX	C/FP	C-E LCMC, Ft Monmouth, NJ	Jan 06	Jul 06	2	1500	YES		
FY 2007	TBS	C/FP	C-E LCMC, Ft Monmouth, NJ	Jan 07	Jul 07	5	1336	YES		
FY 2008	TBS	C/FP	C-E LCMC, Ft Monmouth, NJ	Jan 08	Jul 08	9	7889	YES		
FY 2009	TBS	C/FP	C-E LCMC, Ft Monmouth, NJ	Jan 09	Jul 09	12	6667	YES		
<b>Switch Upgrades</b>										
FY 2006	NORTEL Dallas, TX	C/FP	GSA	Feb 06	May 06	54	37	YES		
FY 2007	TBS	C/FP	GSA	Feb 07	May 07	60	19	YES		
FY 2008	TBS	C/FP	GSA	Feb 08	May 08	165	164	YES		
FY 2009	TBS	C/FP	GSA	Feb 09	May 09	106	90	YES		
<b>Telephone System</b>										
FY 2006	NORTEL Dallas, TX	C/FP	GSA	Feb 06	May 06	76	13	YES		
FY 2007	TBS	C/FP	GSA	Feb 07	May 07	80	12	YES		
FY 2008	TBS	C/FP	GSA	Feb 08	May 08	180	52	YES		
FY 2009	TBS	C/FP	GSA	Feb 09	May 09	120	98	YES		
<b>Engineering Svcs</b>										
FY 2006	Signal Solutions Inc Fairfax, VA	C/FP	ISEC-FDED	Jul 06	Oct 06			YES		
FY 2007	TBS	C/FP	ISEC-FDED	Jul 07	Oct 07			YES		
FY 2008	TBS	C/FP	ISEC-FDED	Jul 08	Oct 08			YES		
FY 2009	TBS	C/FP	ISEC-FDED	Jul 09	Oct 09			YES		
<b>LAN Transport System</b>										
FY 2006	CISCO San Jose, CA	C/FP	GSA	Feb 06	May 06	74	25	YES		
FY 2007	TBS	C/FP	GSA	Feb 07	May 07	63	62	YES		
FY 2008	TBS	C/FP	GSA	Feb 08	May 08	165	242	YES		
FY 2009	TBS	C/FP	GSA	Feb 09	May 09	116	375	YES		

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

Date:  
February 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

REMARKS: C-E LCMC - Communications-Electronics Life Cycle Management Command  
 GSA - General Services Administration  
 ISEC-FDED - Information Systems Engineering Command-Fort Detrick Engineering Directorate

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

Date: February 2007

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

P-1 Item Nomenclature  
INFORMATION SYSTEMS (CONUS/WESTERN HEM) (BB8700)

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	1001.4	8.9									1010.3
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	1001.4	8.9									1010.3
Initial Spares											
Total Proc Cost	1001.4	8.9									1010.3
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The Information Systems (CONUS/Western Hem) mission is to modernize and maintain the Army's digital switch systems worldwide and is an integral part of the Installation Information Infrastructure Modernization Program (I3MP). Upgrading telecommunication equipment provides the most effective interface with existing public telecommunication networks, ensures the installation is postured for emerging voice technologies and optimizes the development of evolving Department of the Army programs. Additionally, the program fields integrated, supportable Information Technology (IT) solutions for transformation in business processes which enable the Army to manage its Infostructure as an Enterprise.

**Justification:**

No FY08/09 Funding

<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 SYSTEMS (CONUS/WESTERN HEM) (BB8700)			Weapon System Type:			Date: February 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
Info Systems		8937											
<b>Total:</b>		<b>8937</b>											

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

Date: February 2007

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

P-1 Item Nomenclature  
INFORMATION SYSTEMS (EUCOM) (BB8800)

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	766.3	1.6	1.8	1.8	1.9	1.9	1.9	2.0	2.0		781.2
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	766.3	1.6	1.8	1.8	1.9	1.9	1.9	2.0	2.0		781.2
Initial Spares											
Total Proc Cost	766.3	1.6	1.8	1.8	1.9	1.9	1.9	2.0	2.0		781.2
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

Information Systems (European Command - EUCOM) provides for the engineering, acquisition and installation of fiber optic cable, transmission and switching equipment to support voice and non-secure Internet Protocol Router Network (NIPRNET)/Secret Internet Protocol Router Network (SIPRNET) connectivity critical for meeting mission requirements. This program supports the Defense Reform Initiative in such areas as Army Campaign Plan, Modularity, Army Knowledge Management, web enabled applications, image processing for intelligence missions, command and control for Army Expeditionary, Joint and Combined Forces, telemedicine and telemaintenance.

**Justification:**

FY08/09 procures engineering, acquisition, and installation of fiber optic cable and associated transmission equipment and software, building wiring, expansion of SIPRNET, and video teleconferencing (VTC) equipment in Europe.

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

Date: February 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: INFORMATION SYSTEMS (PACOM) (BB8900)

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	369.8	1.6	3.2	1.9	1.3	0.1	0.1	0.1	0.1		378.2
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	369.8	1.6	3.2	1.9	1.3	0.1	0.1	0.1	0.1		378.2
Initial Spares											
Total Proc Cost	369.8	1.6	3.2	1.9	1.3	0.1	0.1	0.1	0.1		378.2
Flyaway U/C											
Weapon System Proc U/C											

**Description:**  
 The Information Systems Pacific Command (PACOM) Program provides for the engineering, acquisition and installation of fiber optic cable, transmission and switching equipment to support voice and Non-secure Internet Protocol Router Network (NIPRNET)/Secret Internet Protocol Router Network (SIPRNET) connectivity critical for meeting mission requirements.

This program also provides for the modernization of secure networks, automation, and command, control, communication, computers, and intelligence (C4I) equipment within and between US Forces Korea (USFK)/Combined Forces Command (CFC) command centers, national intelligence centers, and sensitive compartmented information facilities (SCIFs) to improve support and manage joint and combined multidisciplinary intelligence, surveillance, and reconnaissance (ISR) and Project Morning Calm/Intelligence Dominance Center (PMC/IDC) operations occurring in and around the Korean Peninsula.

**Justification:**  
 FY08/09 procures engineering and acquisition of transmission, cabling and switching equipment necessary to provide NIPRNET/SIPRNET to meet mission requirements at Schofield Barracks, Wheeler Army Air Field, and Camp Zama, Fort Shafter, Fort Richardson, and Camp Humphrey. FY08/09 also procures the continued modernization and sustainment of select intelligence processing and communication systems within the major USFK/CFC command centers that support peninsula Command, Control, Communications, Computers, Intelligence (C4I) and multidiscipline intelligence, sensors, reconnaissance (ISR) operations.

In addition, FY08/09 procures GCC CACC data wall and associated equipment, PMC/IDC intelligence tool sets and systems, CAT III Improvements/Reconfiguration, PRISM MD Phase III, and Blueridge Sensitive Compartmented Information (SCI) satellite transmission and switching equipment.

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

Date: February 2007

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

P-1 Item Nomenclature  
DEFENSE MESSAGE SYSTEM (DMS) (BU3770)

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	319.9	6.6	5.7	6.7	6.8	6.8	6.7	5.8	5.8	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	319.9	6.6	5.7	6.7	6.8	6.8	6.7	5.8	5.8	Continuing	Continuing
Initial Spares											
Total Proc Cost	319.9	6.6	5.7	6.7	6.8	6.8	6.7	5.8	5.8	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**

Defense Message System (DMS) is the Department of Defense's (DOD's) official system of record for organizational messaging, Command and Control as established under ASD C3I memorandum dated 12 April 2001. DMS replaced obsolete telecommunication centers and Automatic Digital Network (AUTODIN) Switching Centers which were closed on 30 September 2003. DMS provides a single, secure, global inter-service messaging capability extending from the sustaining base to the warfighter. DMS features are: (1) user operated service (2) a single form of messaging service and simplified message format (3) multilevel secure processing through the use of Multilevel Information Systems Security Initiative (MISSI) (4) automated local distribution (5) multifunction workstations for most users. DMS tactical implementation provides the warfighter with messaging support for the joint task force environment and across the continuum of army operations.

**Justification:**

FY08/09 procures engineering support, testing, and installation of all software necessary to enable the "webification" of the 81 fielded TMS systems which were issued in accordance with the Basis of Issue Plan (BOIP).



<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: DEFENSE MESSAGE SYSTEM (DMS) (BU3770)			Weapon System Type:			Date: February 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
Engineering and Installation Teams	A	1045			1399			1469			1542		
PMO Operations (Civilian/Matrix Salaries Training, TDY, Supplies/Equipment) Contractor Support (PMO, Fielding, NET, NMIB, FSR)	A	1296			1400			1470			1544		
Tactical Message System (TMS), Automated Mail Handling System (AMHS) Upgrade Regional Service Center (RSC) Support Deployment Support Center (Janus/EPS/Telos) (Fielding, Govt Furnished Equip (GFE)	A	2179			1872			2100			2205		
	A	1431			1032			1033			1085		
	A	100											
	A	500						590			394		
TMS unit costs and quantities vary by user configuration requirements													
<b>Total:</b>		<b>6551</b>			<b>5703</b>			<b>6662</b>			<b>6770</b>		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: DEFENSE MESSAGE SYSTEM (DMS) (BU3770)								
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>Mail Handling System (AMHS) Upgrade</b>										
FY 2006 H/W	Telos, Inc. Ashburn, VA	C/FP	ITEC4 (CECOM)	Mar 06	Apr 06			Yes		
FY 2006 S/W	Telos, Inc. Ashburn, VA	C/FP	ITEC4 (CECOM)	Mar 06	Apr 06			Yes		
FY 2007 S/W	Telos, Inc. Ashburn, VA	C/FP	ITEC4 (CECOM)	Feb 07	Mar 07			Yes		
FY 2008 S/W	Telos, Inc. Ashburn, VA	C/FP	ITEC4 (CECOM)	Feb 08	Mar 08			Yes		
FY 2009 S/W	Telos, Inc. Ashburn, VA	C/FP	ITEC4 (CECOM)	Feb 09	Mar 09					
<b>Regional Service Center (RSC) Support</b>										
FY 2005	General Dynamics Govt Comm Sys Taunton, MA	C/FP	NSA	Feb 05	Aug 05			Yes		
FY 2006	General Dynamics Govt Comm Sys Taunton, MA	C/FP	NSA	Feb 06	May 06			Yes		

REMARKS: Configurations vary by user requirements and site locations.

- \*U.S. Air Force (USAF)
- \*Communications Electronics Command - Army (CECOM)
- \*Information Technology E-Commerce, and Commercial Contracting center - (ITEC4)
- \*New Equipment Training (NET)
- \*New Material In Brief (NMIB)
- \*Field Service Representative (FSR)
- \*National Security Agency (NSA) Ft. Meade, MD

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

Date: February 2007

Appropriation / Budget Activity / Serial No: P-1 Item Nomenclature  
 Other Procurement, Army / 2 / Communications and Electronics Equipment Installation Info Infrastructure Mod Program(I3MP) (BU0500)

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		276.5	246.6	217.3	222.7	280.8	167.3	315.8	327.8	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1		276.5	246.6	217.3	222.7	280.8	167.3	315.8	327.8	Continuing	Continuing
Initial Spares											
Total Proc Cost		276.5	246.6	217.3	222.7	280.8	167.3	315.8	327.8	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**  
 The Installation Information Infrastructure Modernization Program (I3MP) encompasses the modernization and upgrade of the Telecommunications/Information infrastructure on Army installations in the Continental United States (CONUS), Europe and Pacific theaters, and the management of the Army Enterprise Systems. I3MP provides the capabilities to support the Defense Information Systems Network (DISN) Global Information Grid (GIG) Future, Home Station Operation Centers (HSOC), Army Campaign Plan, Army Knowledge Management (AKM) Goal 3, web enabled applications, image processing for intelligence missions, command and control for Army Expeditionary, Joint and Combined Forces, telemedicine and telemaintenance. At the installation level, I3MP delivers an integrated information system that is state-of-the-art, secure, interoperable and capable of passing 10 mega bit (mb) of data traffic to the desktop. The installation of Campus Area Networks provides the infrastructure to manage the ever-increasing data transfer requirements supporting key Army wartime doctrine and information technology transportation initiatives. These high-speed backbone networks will modernize site data transport capability, improve connectivity, standardize transport networks and increase capacity in support of critical Army missions. The modernization efforts will provide for the convergence of voice, video and data on one platform and will allow the switches to support such applications as distance learning, video conferencing, telemedicine, voice over internet protol, health and morale calls, computer telephony integration, wireless telecommunication, remote access, automated directory assistance and network management. It will also provide for the implementation of network operation tools critical to secure and manage the Army enterprise. At the enterprise level, I3MP provides the Army with capabilities and adaptive processes that support network-centric, secure access to systems and services throughout the Army environment. These infrastructure capabilities are critical in order to enable reach back and power projection of the digitized Army as well as employment of the advanced technology required for today's agile combat force.

**Justification:**  
 FY08/09 procures program implementation and engineering support to furnish and install Campus Area Networks. FY08/09 also procures upgrades to the Army's voice communications infrastructure.

<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: Installation Info Infrastructure Mod Program(I3MP) (BU0500)			Weapon System Type:			Date: February 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
I3MP - Europe			91706			68004			44854			47024		
I3MP - Pacific			55781			19808			34028			24197		
I3MP - CONUS			128982			158772			138416			151440		
<b>Total:</b>			<b>276469</b>			<b>246584</b>			<b>217298</b>			<b>222661</b>		

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

Date: February 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: I3MP - Europe (BU0510)

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		91.7	68.0	44.9	47.0	69.3	44.3	83.3	86.4	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc										Continuing	Continuing
Net Proc P1		91.7	68.0	44.9	47.0	69.3	44.3	83.3	86.4	Continuing	Continuing
Initial Spares											
Total Proc Cost		91.7	68.0	44.9	47.0	69.3	44.3	83.3	86.4	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**  
 The Installation Information Infrastructure Modernization Program-Europe (I3MP-E) Program is the European theater portion of the I3MP and is the primary initiative to digitize and provide increased voice and data connectivity to European Enduring Installations, support activities and deployed combat forces throughout the European Area of Operations (AOR). This critical program provides high-capacity and near real-time throughput for data, cable and voice solutions to European sustaining base installations; I3MP-E also installs Enterprise-level networks and infrastructure to support Army Transformation. As US Forces in Europe transform to optimally support the Global War on Terrorism (GWOT), this integrated, wide-ranging effort serves as EUCOM's critical link to the DoD-wide Defense Information Systems Network (DISN) Global Information Grid (GIG). This effort literally "takes bandwidth out of the equation" and facilitates European logistic, medical, and Warfighting support to Joint Expeditionary Forces deployed in direct support of GWOT - especially Central Command (CENTCOM) and the newly-forming AFRICOM (Africa Command) Forces. It provides for the acquisition of transport switching equipment, the Defense Wave Division Multiplexed-Optical Transport Network (DWDM-OTN), and Fiber Optic Tie-Cables to provide enhanced communications capabilities across USAREUR's fiber optic backbone network. I3MP's core objective is to create an infrastructure sufficiently robust and flexible to meet ever-increasing telecommunication requirements of the USAREUR footprint and Area Processing Center (APC) Architectures. This program also fields integrated, supportable Information Technology (IT) solutions for transformation of business processes, which enable the CIO / G-6, U.S. Army Europe to manage the European Infostructure as an Enterprise. This program supports the Defense Information Systems Network (DISN) Global Information Grid (GIG) Future, Home Station Operation Centers (HSOC), Army Campaign Plan, Modularity, Army Knowledge Management (AKM) Goal 3, Distance Learning, the DoD Standard Procurement System (SPS), the Global Combat Support System Army (GCSS-A), the Installation Support Modules (ISM), the Defense Message System (DMS), web enabled applications, image processing for intelligence missions, command and control for Army Expeditionary, Joint and Combined Forces, Telemedicine and Telemaintenance.

**Justification:**  
 FY08/09 procures implementation and engineering support to install a high-speed optical data and voice network backbone infrastructure at 20 sites throughout the European Command (EUCOM) Theater of Operations.

<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: I3MP - Europe (BU0510)			Weapon System Type:			Date: February 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
I3MP Implementation/Engineering		82014	35		59443	22		36279	20		38435	17	
Project Management Support		9692			8561			8575			8589		
<b>Total:</b>		<b>91706</b>			<b>68004</b>			<b>44854</b>			<b>47024</b>		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: I3MP - Europe (BU0510)								
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>I3MP Implementation/Engineering</b>										
FY 2006	Siemens Communications Inc Reston, VA	C/FP	C-E LCMC, Ft Monmouth, NJ	Dec 05	Mar 06	4		YES		
FY 2006	Siemens Communications Inc Reston, VA	C/FP	C-E LCMC, Ft Monmouth, NJ	Feb 06	May 06	4		YES		
FY 2006	Siemens Communications Inc Reston, VA	C/FP	C-E LCMC, Ft Monmouth, NJ	Mar 06	Jun 06	1		YES		
FY 2006	Siemens Communications Inc Reston, VA	C/FP	ITEC4, Alexandria, VA	May 06	Aug 06	2		YES		
FY 2006	SMS Data Sterling, VA	FFP	USAISEC, Ft Huachuca, AZ	Jun 06	Sep 06	3		YES		
FY 2006	Lucent Technologies Inc Mcleansville, NC	FFP	DITCO-EUR, Sembach AB, Germany	Jun 06	Sep 06	9		YES		
FY 2006	T Systems (Deutsche Telekom) Mannheim, Germany	FFP	DITCO-EUR, Sembach AB, Germany	Jul 06	Oct 06	2		YES		
FY 2006	T Unisys Reston, VA	FFP	DITCO-EUR, Sembach AB, Germany	Jul 06	Oct 06	1		YES		
FY 2006	Siemens Communications Inc Reston, VA	C/FP	C-E LCMC, Ft Monmouth, NJ	Aug 06	Nov 06	1		YES		
FY 2006	SMS Data Sterling, VA	FFP	USAISEC, Ft Huachuca, AZ	Aug 06	Nov 06	2		YES		
FY 2006	NextiraOne Federal / Black Box Herndon, VA	C/FP	C-E LCMC, Ft Monmouth, NJ	Sep 06	Dec 06	3		YES		
FY 2006	Northrop Grumman Reston, VA	T&M	C-E LCMC, Ft Monmouth, NJ	Sep 06	Dec 06	1		YES		
FY 2006	INFRACOM Italia SPA Verona, Italy	FFP	RCO, Vicenza, Italy	Sep 06	Dec 06	1		YES		
FY 2007	Siemens Mannheim, Germany	FFP	DITCO-EUR, Sembach AB, Germany	Nov 06	Feb 07	1		YES		
FY 2007	TBS	C/FP	ITEC4, Alexandria, VA	VAR	VAR	22		YES		
FY 2008	TBS	C/FP	ITEC4, Alexandria, VA	VAR	VAR	20		YES		
FY 2009	TBS	C/FP	ITEC4, Alexandria, VA	VAR	VAR	17		YES		

REMARKS: Quantities reflect the number of sites work is performed. Due to the unique configuration requirements at each site, unit costs vary.

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: I3MP - Europe (BU0510)								
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

ITEC4- Information Technology and Electronic Commerce Commercial Contracting Center  
 C-E LCMC - Communications-Electronics Life Cycle Management Command  
 DITCO-EUR - Defense Information Technology Contracting Organization - Europe  
 USAISEC - US Army Information Systems Engineering Command  
 RCO - Regional Contracting Office



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

Date: February 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: I3MP - Pacific (BU0520)

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		55.8	19.8	34.0	24.2	43.9	26.2	49.2	51.1	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1		55.8	19.8	34.0	24.2	43.9	26.2	49.2	51.1	Continuing	Continuing
Initial Spares										Continuing	Continuing
Total Proc Cost		55.8	19.8	34.0	24.2	43.9	26.2	49.2	51.1	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**  
 The Installation Information Infrastructure Modernization Program-Pacific (I3MP-P) Program is the Pacific theater portion of the I3MP and is the primary initiative to digitize and provide increased voice and data connectivity to the installation, other support activities and deployed combat forces at Enduring locations in that theater. This program provides high capacity capabilities and near real time throughput for data, cable and voice solutions to sustaining base installations throughout the Pacific Area of Operations. The installation of MAN and CAN are critical to support the ever increasing data transport requirements supporting key Army wartime doctrine. High speed backbone CANs will be installed to modernize installation transport capability, standardize transport networks, and increase the sustaining base capacity for key Army systems such as Army Knowledge Management (AKM) goal 3, Distance Learning, DoD Standard Procurement System (SPS), Global Combat Support System Army (GCSS-A), Installation Support Modules (ISM), Defense Message System (DMS), and other web enabled applications. It also provides for the acquisition of transport switching equipment to provide enhanced communications capabilities across the fiber optic backbone network. Its objective is to create an infrastructure sufficiently flexible to meet ever increasing telecommunication requirements. This program also fields integrated, supportable Information Technology (IT) solutions for transformation in business processes which enable the Army to manage its Infostructure as an Enterprise. This program supports the Defense Information Systems Network (DISN) Global Information Grid (GIG) Future, Home Station Operation Centers (HSOC), Army Campaign Plan, Army Knowledge Management (AKM) Goal 3, web enabled applications, image processing for intelligence missions, command and control for Army Expeditionary, Joint and Combined Forces, telemedicine and telemaintenance.

**Justification:**  
 FY08/09 procures implementation and engineering support to furnish and install backbone Metropolitan Area Networks (MAN) and Campus Area Networks (CAN) at 15 sites in the PACOM theater. FY08/09 also procures transport-switching equipment which will be synchronized with the installation of tie cables installed under the I3MP-Pacific and other programs.

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
I3MP Implementation/Engineering		31564	9		17449	21		31400	15		21569	23	
Project Management Support		5925			2359			2628			2628		
CENTCOM Support		18292	6										
<b>Total:</b>		<b>55781</b>			<b>19808</b>			<b>34028</b>			<b>24197</b>		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: I3MP - Pacific (BU0520)								
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>I3MP Implementation/Engineering</b>										
FY 2006	General Dynamics Needham, MA	C/FP	C-E LCMC, Ft Monmouth, NJ	Oct 05	Jan 06	1		YES		
FY 2006	General Dynamics Needham, MA	C/FP	C-E LCMC, Ft Monmouth, NJ	Jan 06	Apr 06	2		YES		
FY 2006	Siemens Communications Inc Reston, VA	C/FP	ITEC4, Ft Huachuca, AZ	May 06	Aug 06	3		YES		
FY 2006	Lucent Technologies Inc Mcleansville, NC	C/FP	C-E LCMC, Ft Monmouth, NJ	Aug 06	Nov 06	3		YES		
FY 2007	Lucent Technologies Inc Mcleansville, NC	C/FP	C-E LCMC, Ft Monmouth, NJ	Nov 06	Feb 07	4		YES		
FY 2007	TBS	C/FP	ITEC4, Ft Huachuca, AZ	VAR	VAR	17		YES		
FY 2008	TBS	C/FP	ITEC4, Ft Huachuca, AZ	VAR	VAR	15		YES		
FY 2009	TBS	C/FP	ITEC4, Ft Huachuca, AZ	VAR	VAR	23		YES		
<b>CENTCOM Support</b>										
FY 2006	Inglett & Stubbs International Smyrna, GA	FFP	USAED, Philadelphia, PA	Jun 06	Jul 06	1		YES		
FY 2006	DRS Technical & Mgmt Svcs Corp Beltsville, MD	T&M	C-E LCMC, Ft Monmouth, NJ	Jul 06	Aug 06	1		YES		
FY 2006	Communications Supply Corp Carol Stream, IL	FFP	380 ECONS, Al Dhafra AB	Aug 06	Sep 06	1		YES		
FY 2006	Computer Sciences Corp (CSC) Eatontown, NJ	FFP	C-E LCMC, Ft Monmouth, NJ	Sep 06	Oct 06	1		YES		
FY 2006	Environmental Chemical Corp Burlingame, CA	C/FP	AF Mat Cmd, BrooksCity Base, TX	Sep 06	Oct 06	1		YES		
FY 2006	VIASAT Inc Carlsbad, CA	FFP	C-E LCMC, Ft Monmouth, NJ	Sep 06	Oct 06	1		YES		

REMARKS: Quantities reflect the number of sites work is performed. Due to the unique configuration requirements at each site, unit costs vary.

ITEC4- Information Technology and Electronic Commerce Commercial Contracting Center  
 C-E LCMC - Communications-Electronics Life Cycle Management Command  
 USAED - US Army Engineering District  
 ECONS - Expeditionary Contracting Squadron  
 AF Mat Cmd - Air Force Materiel Command

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

Date: February 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: I3MP - CONUS (BU0530)

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		129.0	158.8	138.4	151.4	167.7	96.9	183.3	190.3	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1		129.0	158.8	138.4	151.4	167.7	96.9	183.3	190.3	Continuing	Continuing
Initial Spares										Continuing	Continuing
Total Proc Cost		129.0	158.8	138.4	151.4	167.7	96.9	183.3	190.3	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**  
 The Installation Information Infrastructure Modernization Program-CONUS (I3MP-C) acquires and fields the Army's installation level telecommunications information infrastructure at CONUS locations. It provides increased voice and data connectivity to the installation and other support activities in CONUS. This program provides high capacity capabilities and near real time throughput for data, cable and voice solutions to sustaining base installations throughout CONUS. Installation IT modernization is critical to support predeployment, deployment, operations, and support for the Global War on Terrorism (GWOT) and other contingency operations. High speed backbone CANs will be installed to modernize installation transport capability, standardize transport networks, and increase the sustaining base capacity for key Army systems such as Army Knowledge Management (AKM) Goal 3, Distance Learning, DoD Standard Procurement System (SPS), Gloval Combat Support System Army (GCSS-A), Installation Support Modules (ISM), Defense Message System (DMS), and other web enabled applications. It also provides for the acquisition of transport switching equipment to provide enhanced communications capabilities across the fiber optic backbone network. Its objective is to create an infrastructure sufficiently flexible to meet ever increasing telecommunication requirements. The program also fields integrated, supportable information technology (IT) solutions for transformation in business processes which enable the Army to manage its infostructure as an enterprise. This program supports the Defense Information Systems Network (DISN) Global Information Grid (GIG) Future, Home Station Operation Centers (HSOC), Army Campaign Plan, Army Knowledge Management (AKM) Goal 3, web enabled applications, image processing for intelligence missions, command and control for Army Expeditionary, Joint and Combined Forces, telemedicine and telemaintenance.

**Justification:**  
 FY08/09 procures implementation and engineering support to furnish and install backbone Metropolitan Area Networks (MAN), Campus Area Networks (CAN), and voice communication systems upgrades and modernization at 7 sites in CONUS.

<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: I3MP - CONUS (BU0530)			Weapon System Type:			Date: February 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
I3MP Implementation/Engineering		120065	23		151798	7		131094	7		143752	8	
Project Management Support		7917			6974			7322			7688		
Road Armor Demo Software		1000											
<b>Total:</b>		<b>128982</b>			<b>158772</b>			<b>138416</b>			<b>151440</b>		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: I3MP - CONUS (BU0530)								
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>I3MP Implementation/Engineering</b>										
FY 2006	Lucent Technologies Inc Mcleansville, NC	C/FP	C-E LCMC, Ft Monmouth, NJ	Nov 05	Feb 06	1		YES		
FY 2006	Information Systems Support Gaithersburg, MD	C/FP	GSA, New York, NY	Dec 05	Mar 06	1		YES		
FY 2006	NextiraOne Federal / Black Box Herdon, VA	C/FP	C-E LCMC, Ft Monmouth, NJ	Jan 06	Apr 06	1		YES		
FY 2006	General Dynamics Needham, MA	C/FP	C-E LCMC, Ft Monmouth, NJ	Jan 06	Apr 06	1		YES		
FY 2006	General Dynamics Needham, MA	C/FP	GSA, New York, NY	Feb 06	May 06	1		YES		
FY 2006	General Dynamics Needham, MA	C/FP	C-E LCMC, Ft Monmouth, NJ	Feb 06	May 06	1		YES		
FY 2006	Lucent Technologies Inc Mcleansville, NC	C/FP	C-E LCMC, Ft Monmouth, NJ	Feb 06	May 06	1		YES		
FY 2006	Lucent Technologies Inc Mcleansville, NC	C/FP	C-E LCMC, Ft Monmouth, NJ	Mar 06	Jun 06	2		YES		
FY 2006	General Dynamics Needham, MA	C/FP	C-E LCMC, Ft Monmouth, NJ	Mar 06	Jun 06	1		YES		
FY 2006	Verizon Federal Inc Arlington, VA	C/FP	C-E LCMC, Ft Monmouth, NJ	Mar 06	Jun 06	1		YES		
FY 2006	NextiraOne Federal / Black Box Herdon, VA	C/FP	C-E LCMC, Ft Monmouth, NJ	Mar 06	Jun 06	1		YES		
FY 2006	Southwestern Bell Des Peres, MO	C/FP	C-E LCMC, Ft Monmouth, NJ	Apr 06	Jul 06	1		YES		
FY 2006	General Dynamics Needham, MA	C/FP	C-E LCMC, Ft Monmouth, NJ	May 06	Aug 06	1		YES		
FY 2006	General Dynamics Needham, MA	C/FP	C-E LCMC, Ft Monmouth, NJ	Jun 06	Sep 06	8		YES		
FY 2006	General Dynamics Needham, MA	C/FP	C-E LCMC, Ft Monmouth, NJ	Jul 06	Oct 06	1		YES		
FY 2007	General Dynamics Needham, MA	C/FP	C-E LCMC, Ft Monmouth, NJ	Nov 06	Feb 07	1		YES		
FY 2007	Lucent Technologies Inc Mcleansville, NC	C/FP	C-E LCMC, Ft Monmouth, NJ	Nov 06	Feb 07	1		YES		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: I3MP - CONUS (BU0530)							
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
FY 2007	Verizon Federal Inc Arlington, VA	C/FP	C-E LCMC, Ft Monmouth, NJ	Nov 06	Feb 07	1		YES		
FY 2007	TBS	C/FP	ITEC4, Alexandria, VA	VAR	VAR	4		YES		
FY 2008	TBS	C/FP	ITEC4, Alexandria, VA	VAR	VAR	7		YES		
FY 2009	TBS	C/FP	ITEC4, Alexandria, VA	VAR	VAR	8		YES		

REMARKS: Quantities reflect the number of sites work is performed. Due to the unique configuration requirements at each site, unit costs vary.

ITEC4- Information Technology and Electronic Commerce Commercial Contracting Center  
 C-E LCMC - Communications-Electronics Life Cycle Management Command  
 GSA - General Services Administration

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

Date: February 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: PENTAGON INFORMATION MGT AND TELECOM (BQ0100)

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	332.5	26.3	29.6	32.1	33.5	33.9	6.1				494.1
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	332.5	26.3	29.6	32.1	33.5	33.9	6.1				494.1
Initial Spares											
Total Proc Cost	332.5	26.3	29.6	32.1	33.5	33.9	6.1				494.1
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The Pentagon Renovation Project is an on-going construction project directed by the Office of the Secretary of Defense and implemented by a Program Manager, Washington Headquarters Services Pentagon Renovation and Construction Office and an Army Project Office, Information Technology Systems (ITS) (formerly the Information Management and Telecommunications-Pentagon Renovation). ITS is the executive agent responsible for the relocation of existing information technology (IT) facilities while sustaining operations and implementing a new modernized Pentagon telecommunications infrastructure in concert with the Pentagon Renovation Project. Relocation includes moving the National Military Command Center Services Operations Center, merging seven Technical Control Facilities, consolidating eleven Automated Data Processing facilities to two facilities, and consolidating fifteen Command and Control tactical and administrative telephone switches to eight. The IT infrastructure includes installation of an unclassified/classified backbone and a Network and System Management Center. Implementation of IT requirements is integral to each phase of the Pentagon Renovation construction program due to the synchronization of both projects. The ITS Project Office provides modern integrated information and telecommunication capabilities to all levels of command in the Pentagon including OSD, the Joint Staff, the Army, Navy, Marine Corps, Air Force and Defense Agencies.

This initiative has been validated and approved by the Army Installation Program Evaluation Group (II PEG), and is monitored and managed by numerous governance bodies such as the Pentagon Governing Council (PGC), Pentagon Area Chief Information Office Council (PACC), Operational Requirements and Performance Board (ORPB), Architecture and Configuration Control Board (ACCB), Resource Strategy Board (RSB), Consolidated Computer Facilities Working Group (CCFWG), Integrated Protection Working Group (IPWG), Wireless Technology Working Group (WTWG), and the Pentagon Security Advisory Group (PSAG). These Boards consist of representatives from all Services and Agencies in the Pentagon. On 13 June 2006, the Deputy Secretary of Defense approved the Pentagon Renovation Project 10-month target date extension from December 2010 to October 2011.

Infrastructure modernization of Wedge 1 and 2 were completed June 2002 and November 2005 respectively. Infrastructure modernization of Wedge 3 began June 2005 and will end November 2007. Infrastructure modernization of Wedge 4 began May 2006 and will end October 2009. Infrastructure modernization of Wedge 5 will begin October 2008 and will end October 2011.

**Justification:**

FY08 procures active and passive telecommunication backbone infrastructure equipment and services for the continued renovation of Wedges 3 through 5, including data switches, routers, media, cable, structured wiring, common physical infrastructure and centrally managed backbone, extension of ITS infrastructure to swing space tenants, renovations, automated data processing, server farms, radio rooms, consolidation of voice switches and technical control facilities, network and system management, universal space concept support, etc. Funds will also procure equipment and



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

Date:

February 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics EquipmentP-1 Item Nomenclature  
PENTAGON INFORMATION MGT AND TELECOM (BQ0100)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

services required to integrate Wedges 3 through 5 networks into the Network and Systems Management Center, which manages the unclassified and classified backbones for the Pentagon.

<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: PENTAGON INFORMATION MGT AND TELECOM (BQ0100)			Weapon System Type:			Date: February 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>PENTAGON RENOVATION IM&amp;T</b>													
Unclass/Class Backbone		26344			29592			32076			33537		
<b>Total:</b>		<b>26344</b>			<b>29592</b>			<b>32076</b>			<b>33537</b>		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: PENTAGON INFORMATION MGT AND TELECOM (BQ0100)								
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>Unclass/Class Backbone</b>										
FY 2006	General Dynamics Arlington, VA	C/FPI	Arlington, VA	Jan 06	Feb 06			Yes		
FY 2007	General Dynamics Arlington, VA	C/FPI	Arlington, VA	Jan 07	Feb 07			Yes		
FY 2008	General Dynamics Arlington, VA	C/FPI	Arlington, VA	Jan 08	Feb 08			Yes		
FY 2009	General Dynamics Arlington, VA	C/FPI	Arlington, VA	Jan 09	Feb 09			Yes		

REMARKS: The General Dynamics contract is a single acquisition approach for Wedges 2-5 utilizing a sophisticated incentive arrangement that emphasizes customer satisfaction and quality of performance than penalizes contractor behavior to maximize profit at the expense of performance. The contractor only realizes profit if the government determines it has earned it. This acquisition approach is truly producing a "win-win" situation. The information technology systems and telecommunications backbone infrastructure is being implemented on cost and on schedule.

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

Date: February 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	672.1	61.6	34.3	36.1	38.7						842.8
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	672.1	61.6	34.3	36.1	38.7						842.8
Initial Spares											
Total Proc Cost	672.1	61.6	34.3	36.1	38.7						842.8
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. From FY07 through FY09 these ASAS systems will be configured to operate as integral components of the Army's initial Distributed Common Ground System-Army (DCGS-A) capability.

**Justification:**  
 FY08/09 procures, fields, and trains ASAS-L, ASAS ACT-E, and ASAS ACE systems configured as integral components of the Army's initial DCGS-A capability.  
 FY06 totals include supplemental funding of \$47.5 million to support the global war of terrorism (GWOT).

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

Date: February 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	672.1	61.6	34.3	36.1	38.7						842.8
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	672.1	61.6	34.3	36.1	38.7						842.8
Initial Spares											
Total Proc Cost	672.1	61.6	34.3	36.1	38.7						842.8
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. From FY07 through FY09 these ASAS systems will be configured to operate as integral components of the Army's initial Distributed Common Ground System-Army (DCGS-A) capability.

**Justification:**

FY08 and FY09 procures, fields, and trains ASAS-L, ASAS ACT-E, and ASAS ACE systems configured as integral components of the Army's initial DCGS-A capability.

<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: February 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
ASAS Light Hardware		9750						960			960		
IFS Hardware													
ACT-E Hardware		9605			9605			2805			1600		
ACE Modules		28693			12606			24683			22260		
Project Management Administration		2030			2030			1800			1800		
Depot Level Software Support													
Fielding and Training		7580			7574			2739			5954		
Depot Hardware Support		200			200			200			200		
Engineering Support													
Training of ACE		3761			2278			2945			5900		
<b>Total:</b>		<b>61619</b>			<b>34293</b>			<b>36132</b>			<b>38674</b>		

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

Date:  
February 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>ASAS Light Hardware</b>										
FY 2006	GTE Taunton,MA	C/Option	Taunton, MA	Nov 05	Mar 06					
FY 2007	GTE Taunton,MA	C/Option	Taunton, MA	Nov 07	Mar 08					
FY 2008	GTE Taunton,MA	C/Option	Taunton, MA	Nov 08	Mar 09					
<b>ACT-E Hardware</b>										
FY 2006	GTE Taunton,MA	C/Option	Taunton, MA	Jun 06	Sep 06					
FY 2007	GTE Taunton,MA	C/Option	Taunton, MA	Jun 07	Sep 07					
FY 2008	GTE Taunton,MA	C/Option	Taunton, MA	Jun 08	Sep 08					
FY 2009	GTE Taunton,MA	C/Option	Taunton, MA	Jun 09	Sep 09					
<b>ACE Modules</b>										
FY 2006	GTE Taunton,MA	C/Option	Taunton, MA	Jun 06	Sep 06					
FY 2007	GTE Taunton,MA	C/Option	Taunton, MA	Jun 07	Sep 07					
FY 2008	GTE Taunton,MA	C/Option	Taunton, MA	Jun 08	Sep 08					
FY 2009	GTE Taunton,MA	C/Option	Taunton, MA	Jun 09	Sep 09					

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: February 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: JTT/CIBS-M (MIP) (V29600)

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	662										662
Gross Cost	268.8	9.4	1.0	3.6	8.6	2.9	1.4				295.6
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	268.8	9.4	1.0	3.6	8.6	2.9	1.4				295.6
Initial Spares											
Total Proc Cost	268.8	9.4	1.0	3.6	8.6	2.9	1.4				295.6
Flyaway U/C											
Weapon System Proc U/C	0.2	0.3									0.5

**Description:**  
 The Joint Tactical Terminal (JTT) Product Management Office (PMO) supports all Joint services and Special Operations Command (SOCOM). The Integrated Broadcast Service (IBS) is the worldwide Department of Defense (DoD) standard network for transmitting tactical and strategic intelligence and targeting data to all echelons of Joint Service operational users. The JTT PMO's role is to consolidate and replace existing IBS terminal functionality and capability with a "common family" of Integrated Broadcast Service-Modules (CIBS-M) - both hardware and software - and to expedite execution of the IBS Technical Transition Plan (TTP). The JTT family of systems currently consists of the JTT-Senior, JTT-Briefcase, JTT-IBS and ENTR CIBS-M IBS broadcast receiver/transceiver devices. The TTP is a comprehensive refresh effort of the entire IBS network focused on rearchitecting the broadcast from its current multi-broadcast, multi-data format structure, to a single broadcast (Common Interactive Broadcast - CIB) and single data format (Common Message Format - CMF). The JTT/CIBS-M family of systems is a critical component of the TTP as these systems are the only IBS receiver/transceiver devices in the DoD being modernized to support both the new consolidated broadcast architecture and the National Security Agencies (NSA) crypto modernization mandate. Failure to upgrade the JTT family of systems would result in an inability to execute the over-the-air broadcast portion of the TTP in the near term, and ultimately lead to a complete cessation of IBS data flow via the existing over-the-air IBS broadcast networks. The JTT program leverages early tech-based efforts initiated by organizations such as the National Reconnaissance Office (NRO) for the ENTR CIBS-M. Management control for JTT/CIBS-M efforts that contribute to increased value in performance or sustainment will transition to the JTT PMO. These capabilities will be integrated into the JTT/CIBS-M family of hardware and software modules. The JTT/CIBS-M family of modules will be the "sole" IBS provider, ensuring continued IBS interoperability to a variety of tactical receivers across DoD and the services throughout the TTP implementation period and beyond. This program funds the design, development, test and evaluation of JTT/CIBS-M hardware and software modules, as well as implementing performance enhancements to the family of JTT equipment. This is necessary to ensure crypto modernization compliance and to facilitate migration to a rearchitected CIB and CMF-based IBS broadcast structure. Funds also support JTT/CIBS-M training, equipping and supporting the Warfighter with improved Joint Readiness and Interoperability.

**Justification:**  
 FY08 funding provides field and program management support. FY09 funds will procure 264 COMSEC Upgrade kits.



<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: JTT/CIBS-M (MIP) (V29600)					Weapon System Type:		Date: February 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
PM/ENGINEERING SUPPORT		1550			236			1650			1650		
Host Integration		600			349						1572		
FIELDING		700			146						430		
Training													
System Test & Eval		500						1410					
COMSEC Mods		5271											
ILS Data		100									500		
NSA Support		250			250			500					
COMSEC Upgrade Kit											4480	264	17
-Other Costs													
<b>Total:</b>		<b>8971</b>			<b>981</b>			<b>3560</b>			<b>8632</b>		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment			Weapon System Type:		P-1 Line Item Nomenclature: JTT/CIBS-M (MIP) (V29600)					
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>JTT (T/R) Transmits and Receives</b> FY 2009 <b>COMSEC Upgrade Kit</b>	Raytheon St. Petersburg, FL	SS/FFP	CECOM, Ft. Monmouth, NJ	Oct 08	Jun 09	264	17	no		

REMARKS:

FY 08 / 09 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE  
JTT/CIBS-M (MIP) (V29600)

Date: February 2007

COST ELEMENTS							Fiscal Year 08												Fiscal Year 09												Later					
M	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																		
F						O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S							
R						C	T	E	A	E	A	P	A	U	U	U	E	C	O	V	E	A	B	A	P	A	U	U	U	E						
COMSEC Upgrade Kit																																				
1	FY 09	A	264	0	264																									20	30	40	40	134		
Total			264		264																											20	30	40	40	134
						O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S							
						C	T	E	A	E	A	P	A	U	U	U	E	C	O	V	E	A	B	A	P	A	U	U	U	E						

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					
1	Raytheon, St. Petersburg, FL	2	10	45		1	Initial	2	1	7	8	
							Reorder	1	5	2	7	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE JTT/CIBS-M (MIP) (V29600)	Date: February 2007
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COST ELEMENTS						Fiscal Year 10											Fiscal Year 11											Later
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10											Calendar Year 11											
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	

COMSEC Upgrade Kit																																
1	FY 09	A	264	130	134	45	45	44																								0
Total			264	130	134	45	45	44																								
						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	Raytheon, St. Petersburg, FL	2	10	45		1	Initial	2	1	7	8	
							Reorder	1	5	2	7	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

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

Date: February 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	118	54	74	59	56	57	37				455
Gross Cost	285.9	104.6	100.5	119.5	114.8	89.8	100.2	29.4	22.1	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	285.9	104.6	100.5	119.5	114.8	89.8	100.2	29.4	22.1	Continuing	Continuing
Initial Spares											
Total Proc Cost	285.9	104.6	100.5	119.5	114.8	89.8	100.2	29.4	22.1	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**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:**  
 FY 2008 procures 21 Block II systems and 26 Interim Block III systems mounted on the (Objective Armor Platform) OAP to support maneuver brigades operating in combat theaters. Included in the budget request is the cost of procuring 24 OAPs. Also, 12 Prophet Control systems will be procured mounted on HMMWVs (M1165-A1 with the B3 armor kit).  
 FY 2009 procures 18 Block II systems and 26 Interim Block III systems mounted on the OAP to support maneuver brigades operating in combat theaters. Included in the budget request is the cost of procuring 24 OAPs. Also, 12 Prophet Control systems will be procured mounted on HMMWVs (M1165-A1 with the B3 armor kit).  
 FY06 and FY07 include supplemental funding of \$83.9 million and \$48.250, respectively, to support the global war on terrorism (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: PROPHET GROUND (MIP) (BZ7326)			Weapon System Type:			Date: February 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
Prophet Block I Systems H/W		4000	6	667									
Prophet Blk I Vehicle Enhancement		2100			1650								
Prophet Ground SIGINT Capability		1000											
Prophet Block I Production ECP		10176											
Prophet Block II Systems H/W					13707	12	1142	21677	21	1032	18446	18	1025
Prophet Interim Block III Systems H/W		28062	41	684	30655	42	730	18612	26	716	18818	26	724
Prophet Control		17734	20	887	20086	20	1004	10823	12	902	10946	12	912
NRE					1310			10000					
Enhancements													
ECP		3094			2090			1227			1157		
Testing		1130			1177			2000			4000		
Training / Fielding		8			283			7992			9263		
Initial Spares		6408			7900			7667			12380		
Project Management Costs		3172			3067								
FSRs					3600								
ARNG ASIOE					2546			24089			17558		
Purchase Objective Armor Testbeds					2800	4	700						
Procure Armor Platform								15395	24	641	22269	34	655
ASL Spares		1040											
New Equipment Training (NET)					3600								
Triton II		25000			3500								
Blue Marauder Enhanced System		1700			1450								
Advanced Phaselator Procurement					1100								
<b>Total:</b>		<b>104624</b>			<b>100521</b>			<b>119482</b>			<b>114837</b>		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: PROPHET GROUND (MIP) (BZ7326)								
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 I Systems H/W</b> FY 2006		FPI	CECOM	Jun 06	May 07	6	667			
<b>Prophet Block II Systems H/W</b> FY 2007	General Dynamics Scottsdale, AZ	FFP	CECOM	Jan 07	Dec 07	12	1142			Oct 06
FY 2008	TBD	TBD	CECOM	Apr 08	Apr 09	21	1032			
FY 2009	TBD	TBD	CECOM	Jan 09	Apr 10	18	1025			
<b>Prophet Interim Block III Systems H/W</b> FY 2006	L3 Linkabit San Diego, CA	FPI	CECOM	Jul 06	Dec 07	41	684			
FY 2007	L3 Linkabit San Diego, CA	FPI	CECOM	May 07	May 08	42	730			
FY 2008	TBD	TBD	CECOM	Apr 08	Apr 09	26	716			
FY 2009	TBD	TBD	CEOM	Jan 09	Apr 10	26	724			
<b>Prophet Control</b> FY 2006	L3 Linkabit San Diego, CA	FPI	CECOM	Jul 06	Dec 07	20	887			
FY 2007	L3 Linkabit San Diego, CA	FPI	CECOM	May 07	May 08	20	1004			
FY 2008	TBD	TBD	CECOM	Apr 08	Apr 09	12	902			
FY 2009	TBD	TBD	CECOM	Jan 09	Apr 10	12	912			

REMARKS: FY08 will see the production of Block II and Interim Block III systems on the Objective Armor Platform (OAP).

**FY 06 / 07 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
PROPHET GROUND (MIP) (BZ7326)

Date: February 2007

COST ELEMENTS						Fiscal Year 06														Fiscal Year 07														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 06														Calendar Year 07															
						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 I Systems H/W																																			
1	FY 06	A	0	0	6											A												6						0	
Prophet Block II Systems H/W																																			
2	FY 07	A	12	0	12																													12	
7	FY 08	A	21	0	21																													21	
7	FY 09	A	18	0	18																													18	
Prophet Interim Block III Systems H/W																																			
3	FY 06	A	41	0	41											A																		41	
3	FY 07	A	42	0	42																														42
5	FY 08	A	26	0	26																														26
5	FY 09	A	26	0	26																														26
Prophet Control																																			
4	FY 06	A	20	0	20											A																		20	
4	FY 07	A	20	0	20																														20
6	FY 08	A	12	0	12																														12
6	FY 09	A	12	0	12																														12

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	L3 Linkabit, San Diego, CA	1	4	6		1	Initial	2	7	7	14	
							Reorder	0	2	7	9	
2	General Dynamics, Scottsdale, AZ	1	2	4		2	Initial	7	7	10	17	
3	L3 Linkabit, San Diego, CA	1	4	8			Reorder	7	7	10	17	
4	L3 Linkabit, San Diego, CA	1	2	4		3	Initial	6	6	12	18	
							Reorder	6	6	18	24	
						4	Initial	6	6	12	18	
							Reorder	6	6	17	23	
							Initial					
							Reorder					



**FY 06 / 07 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
PROPHET GROUND (MIP) (BZ7326)

Date: February 2007

COST ELEMENTS						Fiscal Year 06														Fiscal Year 07														Later
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 06														Calendar Year 07														
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					
Total																				6														250
						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	L3 Linkabit, San Diego, CA	1			4	6	1	Initial	
						Reorder	0	2	7	9	
2	General Dynamics, Scottsdale, AZ	1	2	4	2	Initial	7	7	10	17	
3	L3 Linkabit, San Diego, CA	1	4	8		Reorder	7	7	10	17	
4	L3 Linkabit, San Diego, CA	1	2	4	3	Initial	6	6	12	18	
						Reorder	6	6	18	24	
					4	Initial	6	6	12	18	
						Reorder	6	6	17	23	
						Initial					
						Reorder					

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE PROPHET GROUND (MIP) (BZ7326)	Date: February 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			
Prophet Block I Systems H/W																																
1	FY 06	A	0	6																								0				
Prophet Block II Systems H/W																																
2	FY 07	A	12	0	12			2	2	2	2	2	2															0				
7	FY 08	A	21	0	21								A													1	1	1	2	2	2	12
7	FY 09	A	18	0	18																										18	
Prophet Interim Block III Systems H/W																																
3	FY 06	A	41	0	41			5	8	8	8	8	4																	0		
3	FY 07	A	42	0	42								2	6	6	6	6	6	6	4											0	
5	FY 08	A	26	0	26								A														2	2	2	2	2	14
5	FY 09	A	26	0	26																										26	
Prophet Control																																
4	FY 06	A	20	0	20			4	4	4	4	4																			0	
4	FY 07	A	20	0	20								4	4	4	4	4														0	
6	FY 08	A	12	0	12								A														1	1	1	1	1	6
6	FY 09	A	12	0	12																										12	
						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	L3 Linkabit, San Diego, CA	1	4	6		1	Initial	2	7	7	14	REMARKS FY08 will see the production of Block II and Interim Block III systems on the Objective Armor Platform (OAP).
							Reorder	0	2	7	9	
2	General Dynamics, Scottsdale, AZ	1	2	4		2	Initial	7	7	10	17	
3	L3 Linkabit, San Diego, CA	1	4	8			Reorder	7	7	10	17	
4	L3 Linkabit, San Diego, CA	1	2	4		3	Initial	6	6	12	18	
							Reorder	6	6	18	24	
						4	Initial	6	6	12	18	
							Reorder	6	6	17	23	
							Initial					
							Reorder					



<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE PROPHET GROUND (MIP) (BZ7326)	Date: February 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			
Prophet Block I Systems H/W																																
1	FY 06	A	0	6																									0			
Prophet Block II Systems H/W																																
2	FY 07	A	12	12																									0			
7	FY 08	A	21	9	12	2	2	2	2	2	2																		0			
7	FY 09	A	18	0	18							1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2		0			
Prophet Interim Block III Systems H/W																																
3	FY 06	A	41	41																									0			
3	FY 07	A	42	42																									0			
5	FY 08	A	26	12	14	2	2	2	2	3	3																		0			
5	FY 09	A	26	0	26							2	2	2	2	2	2	2	2	2	2	2	2	3	3				0			
Prophet Control																																
4	FY 06	A	20	20																									0			
4	FY 07	A	20	20																									0			
6	FY 08	A	12	6	6	1	1	1	1	1	1																		0			
6	FY 09	A	12	0	12							1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		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			1	Initial				After 1 Oct
1	L3 Linkabit, San Diego, CA	1	4	6		1	Initial	2	7	7	14	
							Reorder	0	2	7	9	
2	General Dynamics, Scottsdale, AZ	1	2	4		2	Initial	7	7	10	17	
3	L3 Linkabit, San Diego, CA	1	4	8			Reorder	7	7	10	17	
4	L3 Linkabit, San Diego, CA	1	2	4		3	Initial	6	6	12	18	
							Reorder	6	6	18	24	
						4	Initial	6	6	12	18	
							Reorder	6	6	17	23	
							Initial					
							Reorder					



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

Date: February 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:

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	51	16		1	13	3	2	1	1		88
Gross Cost	564.9	347.7	78.7	196.4	534.4	736.4	514.2	249.1	247.7	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc PI	564.9	347.7	78.7	196.4	534.4	736.4	514.2	249.1	247.7	Continuing	Continuing
Initial Spares											
Total Proc Cost	564.9	347.7	78.7	196.4	534.4	736.4	514.2	249.1	247.7	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C	12.3	15.6		118.5	191.0	109.0	151.7	124.9	130.0	Continuing	Continuing

**Description:**

The Tactical Unmanned Aerial 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 TUAV Shadow system air vehicle meets the required operating range of 50 kilometers and remains on station for up to five hours. The baseline fielded payload is electro-optic infrared (EO/IR). 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 (MSM) Vehicle and is supported at the division level by a Mobile Maintenance Facility (MMF). The TUAS Shadow has logged over 123,000 flight hours since June 2001 most of which were flown in support of Operation Iraqi Freedom and Operation Enduring Freedom.

The Extended Range Multi-Purpose (ERMP) Unmanned Aircraft System (UAS) provides a much improved real-time responsive capability to conduct long-dwell, wide area reconnaissance, surveillance, target acquisition, communications relay, and attack missions (4 HELLFIRE missiles). ERMP addresses an ever-increasing demand for greater range, altitude, endurance and payload flexibility and allows for mission change while in flight. ERMP will be fielded as a system to a company level organization with one company being assigned to each of the 10 Army Divisions providing a capability that is responsive to the lowest level of command facilitating dynamic re-tasking. The ERMP system consists of 12 aircraft with Electro-Optical/Infrared, Synthetic Aperture Radar, and communications relay payloads, 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 capitalizes on competition, bringing cutting-edge improvements at the best cost and value that support the major thrusts of the DoD UAS Roadmap, and the imperatives of Army modernization and Army Aviation Transformation. The ERMP system includes a heavy fuel engine, endurance of 30 mission hours, Tactical Common Data Link (TCDL) 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. ERMP has a 3,200 pound gross take off weight (with growth to 3,600 pounds), Fowler flaps which improve take-off and landing performance, Automatic Take-off and Landing (ATLS) and the flexibility to operate with or without SATCOM data links. The ERMP One System Ground Control Station has the ability to operate multiple ERMP aircraft simultaneously and is interoperable with the Shadow UAS. 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 Joint Requirement Oversight Council (JROC).

Weaponization of Unmanned Aerial Systems (UAS) includes and addresses the full scale integration of weapons system capability for UASs such as: the Extended Range Multi-Purpose (ERMP)

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

Date:

February 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:

UAS. These capability modifications include the refinement of requirements, the iterative selection of the optimum weapons matched to the aircraft capabilities, hardware and software design. This will include requisite airframe, mission management software, or weapon compatibility modifications to allow the system to carry and employ weapons.

Advanced Tactical Unmanned Aerial Systems (UASs) Payloads (B00302) budget line supports the procurement of the following payload systems: (1) Synthetic Aperture Radar/Ground Moving Target Indicator (SAR/GMTI) and (2) Extended Range Multi-Purpose (ERMP) Electro Optical Infrared w/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 to the Army's Future Combat System (FCS) and is a principal payload for the ER/MP UAS. The ERMP 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:**

FY08 Shadow funds procure modification and retrofits such as Laser Designator and reliability upgrades for the engine and fuel systems.

FY08 funds procure one Extended Range Multi-Purpose (ERMP) Unmanned Aircraft System (UAS) and new equipment training. The schedule supports IOT&E in FY09 and the earliest possible fielding requested by Senior Army leadership. In addition, FY08/09 funds the long lead procurement of items in support of IOT&E in FY09 and three systems in FY10.

FY2008/2009 procures SAR/GMTI and ER/MP EO/IR/LD payloads. Delivery of these payloads will support the fielding schedule of the ER/MP UAS system.

FY06 and FY07 include supplemental funding of \$290.2 million and \$50.150 million, respectively, to support the global war on terrorism (GWOT).

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

Date: February 2007

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

P-1 Item Nomenclature  
Advanced TUAS Payloads (MIP) (B00302)

Program Elements for Code B Items:  
0305204A-Tactical Unmanned Aerial Vehicles

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			33.3	38.4	142.9	164.1	150.7	124.2	117.7	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1			33.3	38.4	142.9	164.1	150.7	124.2	117.7	Continuing	Continuing
Initial Spares											
Total Proc Cost			33.3	38.4	142.9	164.1	150.7	124.2	117.7	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**

Advanced Tactical Unmanned Aerial Vehicles (UAVs) Payloads (B00302) budget line supports the procurement of the following payload systems: (1) Synthetic Aperture Radar/Ground Moving Target Indicator (SAR/GMTI) and (2) Extended Range Multi-Purpose (ER/MP) Electro Optical Infrared w/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 to 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.

The Common Sensor Payload effort was initiated by decision in FY 2007, at the direction of the Vice Chief of Staff of the Army. This effort will combine existing separate payload efforts into a single common payload with a single logistics tail to support the Extended Range/Multi-Purpose (ER/MP) UAV as well as the Armed Reconnaissance Helicopter (ARH) ARH-70A Helicopter

**Justification:**

FY2008/2009 procures SAR/GMTI and ER/MP EO/IR/LD payloads. Delivery of these payloads will support the fielding schedule of the ER/MP UAV system.



<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: Advanced TUAS Payloads (MIP) (B00302)			Weapon System Type:			Date: February 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>SAR/GMTI</b>													
SAR/GMTI Hardware contract					18100	13	1392	28780	20	1439	37161	26	1429
Program Management/Engineering Support					2127			2665			3675		
Refurbishment of test articles													
Initial Spares & Support Equipment													
System test and evaluation					2001			120			140		
Contractor Logistic Support								3470			3490		
Training & Data					273			3380			480		
<b>ER/MP EO/IR/LD</b>													
ER/MP EO/IR/LD Hardware contract					6207	7	887						
Program Management/Engineering Support					540								
System test and evaluation					1740								
Refurbishment of 10 test articles					2340								
Training & Data													
Contractor Logistic Support													
Initial Spares and support equipment													
<b>Other Advanced Payloads</b>													
Advanced Payloads Hardware Contract													
Program Management/Engineering Support													
Common Sensor Payloads Hardware contract											78089	92	849
Program Management/Engineering Support											3494		
Engineering Changes											1562		
System Test & Eval											5505		
Training											50		
Initial Spares											7508		
New Equipment Training											859		
Interim Contractor Support											911		
<b>Total:</b>					<b>33328</b>			<b>38415</b>			<b>142924</b>		

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

Date:  
February 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>SAR/GMTI Hardware contract</b> FY 2008	TBS TBS	FFP	CECOM	Aug 07	Oct 08	20	1439	No		TBS
<b>ER/MP EO/IR/LD Hardware contract</b> FY 2007	Raytheon McKinney, TX	FFP	CECOM	Dec 06	Aug 08	7	887	Yes		Feb 05
<b>Common Sensor Payloads Hardware contract</b> FY 2009	TBS TBS	FFP	CECOM	Mar 09	Sep 09	92	849	No		Jan 07

REMARKS:

FY 07 / 08 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE  
Advanced TUAS Payloads (MIP) (B00302)

Date: February 2007

COST ELEMENTS

Fiscal Year 07

Fiscal Year 08

MFR	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										Later
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
SAR/GMTI Hardware contract																														
1	FY 07	A	13	0	13												A												13	
1	FY 08	A	20	0	20																						A		20	
1	FY 09	A	26	0	26																								26	
ER/MP EO/IR/LD Hardware contract																														
2	FY 07	A	7	0	7				A											1	1	1	1	1	1	1			0	
Common Sensor Payloads Hardware contract																														
1	FY 09	A	92	0	92																								92	
Total																														
			158		158															1	1	1	1	1	1	1			151	
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MFR	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX	1			Prior 1 Oct				
								Initial	Reorder			
1	TBS, TBS	6	24	48	9	1	Initial	0	1	12	13	
							Reorder	0	0	0	0	
2	Raytheon, McKinney, TX	6	24	48	10	2	Initial	0	1	12	13	
							Reorder	0	0	0	0	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>													P-1 ITEM NOMENCLATURE Advanced TUAS Payloads (MIP) (B00302)											Date: February 2007			
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	------------------------	--	--	--

COST ELEMENTS						Fiscal Year 09											Fiscal Year 10											Later
MFR	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	

**SAR/GMTI Hardware contract**

1	FY 07	A	13	0	13	2	3	3	3	2																		0
1	FY 08	A	20	0	20					1	3	3	2	2	2	2	2	1										0
1	FY 09	A	26	0	26			A									1	2	1	2	1	2	1	2	1	2	1	10

**ER/MP EO/IR/LD Hardware contract**

2	FY 07	A	7	7																								0
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**Common Sensor Payloads Hardware contract**

1	FY 09	A	92	0	92					A					2	3	5	8	8	8	8	10	10	10	10	10		0		
Total			158	7	151	2	3	3	3	3	3	3	2	2	2	2	4	5	7	10	9	10	9	12	11	12	11	12	1	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	
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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	TBS, TBS	6	24	48	9	1	Initial	0	1	12	13
							Reorder	0	0	0	0
2	Raytheon, McKinney, TX	6	24	48	10	2	Initial	0	1	12	13
							Reorder	0	0	0	0
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				



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

Date: February 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	3	2	1	1		9
Gross Cost		42.5	9.4	118.5	175.8	326.9	303.5	124.9	130.0		1231.3
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1		42.5	9.4	118.5	175.8	326.9	303.5	124.9	130.0		1231.3
Initial Spares											
Total Proc Cost		42.5	9.4	118.5	175.8	326.9	303.5	124.9	130.0		1231.3
Flyaway U/C				110.8	152.1	101.8	137.0	115.1	119.8		736.5
Weapon System Proc U/C				118.5	175.8	109.0	151.7	124.9	130.0		809.8

**Description:**  
The Extended Range Multi-Purpose (ERMP) Unmanned Aircraft System (UAS) provides a much improved real-time responsive capability to conduct long-dwell, wide area reconnaissance, surveillance, target acquisition, communications relay, and attack missions (4 HELLFIRE missiles). ERMP addresses an ever-increasing demand for greater range, altitude, endurance and payload flexibility and allows for mission change while in flight. ERMP will be fielded as a system to a company level organization with one company being assigned to each of the 10 Army Divisions providing a capability that is responsive to the lowest level of command facilitating dynamic re-tasking. The ERMP system consists of 12 aircraft with Electro-Optical/Infrared, Synthetic Aperture Radar, and communications relay payloads, 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 capitalized upon competitive forces, bringing cutting-edge improvements at the best cost and value that support the major thrusts of the DoD UAS Roadmap, and the imperatives of Army modernization and Army Aviation Transformation. The ERMP system includes a heavy fuel engine, endurance of 30 mission hours, Tactical Common Data Link (TCDL) 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. ERMP has a 3,200 pound gross take off weight (with growth to 3,600 pounds), Fowler flaps which improve take-off and landing performance, Automatic Take-off and Landing (ATLS) and the flexibility to operate with or without SATCOM data links. The ERMP One System Ground Control Station has the ability to operate multiple ERMP aircraft simultaneously and is interoperable with the Shadow UAS. 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 Joint Requirement Oversight Council (JROC).

**Justification:**  
FY08 funds procure one Extended Range Multi-Purpose (ERMP) Unmanned Aircraft System (UAS) and new equipment training. The schedule supports FY09 IOT&E and the earliest possible fielding requested by Senior Army leadership. In addition, FY08/09 funds the long lead procurement of items in support IOT&E in F09 and three systems in FY10.

<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: Extended Range/Multi-Purpose (ER/MP) UAS (MIP) (B00305)			Weapon System Type:			Date: February 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
EXTENDED RANGE MULTI-PURPOSE													
<b>PRIME CONTRACTOR</b>													
Long Lead Items					5245			5500			18000		
System Production								74858	1	74858	66725	1	66725
Contractor Program Management													
Support Equipment								1261			2548		
Program Management					276			2939			4906		
Test & Evaluation								1793			5352		
Fielding & Spares								7155			21911		
Training Set													
System Test & Evaluation													
<b>Total Prime Contractor Cost</b>					<b>5521</b>			<b>93506</b>			<b>119442</b>		
<b>GOVERNMENT</b>													
Government Furnished Equipment					219			4079			13728		
Program Management								3618			10289		
System Test & Evaluation											8000		
Other Government Agencies					3627			7916			24299		
Common Systems Integration								9358					
<b>SUB-TOTAL ER/MP COST</b>					<b>3846</b>			<b>24971</b>			<b>56316</b>		
I-GNAT		42500											
<b>Total:</b>		<b>42500</b>			<b>9367</b>			<b>118477</b>			<b>175758</b>		

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

Date:  
February 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 2006	GENERAL ATOMICS/ASI SAN DIEGO, CA	CPIF/AF	AMCOM	Aug 06	N/A			Y	N/A	N/A
FY 2008	GENERAL ATOMICS/ASI SAN DIEGO, CA	CPIF/AF	AMCOM	Aug 08	Sep 09	1	80358	Y	N/A	N/A
FY 2009	GENERAL ATOMICS/ASI SAN DIEGO, CA	CPIF/AF	AMCOM	Jan 09	Feb 10	1	84725	Y	N/A	N/A

REMARKS:



<b>FY 07 / 08 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE Extended Range/Multi-Purpose (ER/MP) UAS (MIP) (B00305)	Date: February 2007
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COST ELEMENTS						Fiscal Year 07													Fiscal Year 08													Later
MFR	FY	SERV	PROC QTY Units	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			

EXTENDED RANGE MULTI-PURPOSE																													
1	FY 08	A	1	0	1																						A	1	
1	FY 09	A	1	0	1																							1	
			2		2																						2		
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS Production Rate applies to quantity of Air Vehicles.
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
1	GENERAL ATOMICS/ASI, SAN DIEGO, CA	8	17	30	1	Initial	0	0	0	0	
						Reorder	0	0	0	0	
						Initial					
						Reorder					
						Initial					
						Reorder					
						Initial					
						Reorder					

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>																P-1 ITEM NOMENCLATURE Extended Range/Multi-Purpose (ER/MP) UAS (MIP) (B00305)											Date: February 2007							
<b>COST ELEMENTS</b>						<b>Fiscal Year 09</b>												<b>Fiscal Year 10</b>												Later				
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	<b>Calendar Year 09</b>												<b>Calendar Year 10</b>																
						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					
EXTENDED RANGE MULTI-PURPOSE																																		
	1	FY 08	A	1	0	1											1																	0
	1	FY 09	A	1	0	1			A																									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					
M F R	Name - Location					PRODUCTION RATES			Reached	MFR	ADMIN LEAD TIME		MFR	TOTAL	REMARKS Production Rate applies to quantity of Air Vehicles.																			
						MIN	1-8-5	MAX	D+	1	Prior 1 Oct	After 1 Oct	After 1 Oct	After 1 Oct																				
1	GENERAL ATOMICS/ASI, SAN DIEGO, CA					8	17	30			0	0	0	0																				

<b>Advance Procurement Requirements Analysis-Funding (P-10A)</b>	First System Award Date: April 07	First System Completion Date: June 08	Date: February 2007
	Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Line Item Nomenclature / Weapon System: Extended Range/Multi-Purpose (ER/MP) UAS (MIP)

(\$ in Millions)

	PLT (mos)	When Rqd (mos)	Pr Yrs	FY 06	FY 07	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	To Comp	Total
End Item Quantity													
<b>Total Advance Procurement</b>			0.0	0.0	5245.0	5500.0	18000.0	0.0	0.0	0.0	0.0	0.0	28745.0

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

Date: February 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	51	16			12						79
Gross Cost	564.9	305.2	36.0	39.5	215.7	245.7	60.0			Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	564.9	305.2	36.0	39.5	215.7	245.7	60.0			Continuing	Continuing
Initial Spares											
Total Proc Cost	564.9	305.2	36.0	39.5	215.7	245.7	60.0			Continuing	Continuing
Flyaway U/C		14.4			14.9						29.3
Weapon System Proc U/C	53.8	15.6			15.2					Continuing	Continuing

**Description:**  
 The Tactical Unmanned Aerial 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 TUAV Shadow system air vehicle meets the required operating 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 (MSM) Vehicle and is supported at the division level by a Mobile Maintenance Facility (MMF). The TUAS Shadow has logged over 123,000 flight hours since June 2001 most of which were flown in support of Operation Iraqi Freedom and Operation Enduring Freedom.

**Justification:**  
 FY08 Shadow funds procure modification and retrofits such as Laser Designator and reliability upgrades for the engine and fuel systems.

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													
<b>SHADOW</b>													
Shadow Systems Hardware Cost		114337	16	7146							107875	12	8990
Production Support Cost													
MSM		20091	16	1256							16040		
MMF		10165	5	2033									
Supplemental ASL													
Training Devices													
Attrition AV								1783			1853		
Training													
Program Management		8595						2280			4661		
Technical Manuals		811						215			440		
Test Support		10742									8535		
Engineering Support		15499				8047		3545			8405		
Engineering Changes		7311				1600							
Mods / Retrofit (ECP/Incorp)		49087						6728			30913		
Fielding (BIT Team)		6987				5400		5013			3583		
Production Line Restart													
Critical Safety Items		6272											
Engineering Service (PBL)		8260				15000							
<b>Total Prime Contractor System</b>		<b>258157</b>				<b>30047</b>		<b>19564</b>			<b>182305</b>		
MIP Rover III Remote Video Terminal													
Government Furnished Equipment		19226									13047		
Program Management (Government)		8616				3989		4587			4684		
Engineering		4783						3599			3675		
Logistics		6794				1949		7307			7461		
Other Government Agencies Support		998						4470			4564		
SOW Changes													
Material Fielding													
Government Training / IMSS													
Site Activation													

<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: SHADOW RQ-7A/B (TUAS) (MIP) (BA0330)			Weapon System Type:			Date: February 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
System Test and Acceptance													
Common System Intergration		6600											
<b>Total Government Cost</b>		<b>47017</b>			<b>5938</b>			<b>19963</b>			<b>33431</b>		
IGNAT													
Hunter Spares													
Hunter Add													
Hunter MX 15 Payloads Installation Kits													
<b>Total:</b>		<b>305174</b>			<b>35985</b>			<b>39527</b>			<b>215736</b>		

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

Date:  
February 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: SHADOW RQ-7A/B (TUAS) (MIP) (BA0330)							
<b>TACTICAL UNMANNED AERIAL VEHICLE</b>										
FY 2006	AAI Hunt Valley, MD	SS/FPIF	AMCOM	May 06	May 07	9	7146	Yes	N/A	N/A
FY 2006	AAI Hunt Valley, MD	SS/FPIF	AMCOM	Sep 06	Jan 07	5	7146	Yes	N/A	N/A
FY 2006	AAI Hunt Valley, MD	SS/FPIF	AMCOM	Apr 07	Oct 08	2	7146	Yes	N/A	N/A
FY 2009	AAI Hunt Valley, MD	SS/FPIF	AMCOM	Dec 08	Dec 09	12	8990	YES	N/A	N/A

REMARKS:

<b>FY 06 / 07 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE SHADOW RQ-7A/B (TUAS) (MIP) (BA0330)	Date: February 2007
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COST ELEMENTS						Fiscal Year 06												Fiscal Year 07												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 06												Calendar Year 07												
						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	

TACTICAL UNMANNED AERIAL VEHICLE																													
1	FY 06	A	9	0	9																								
1	FY 06	A	5	0	5																								
1	FY 06	A	2	0	2																								
1	FY 09	A	12	0	12																								
			28		28																								
						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				Reorder
1	AAI, Hunt Valley, MD	1	10	12		4	5	11	16			
						4	5	10	15			
						Initial						
						Reorder						
						Initial						
						Reorder						
						Initial						
						Reorder						
						Initial						
						Reorder						



<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE SHADOW RQ-7A/B (TUAS) (MIP) (BA0330)	Date: February 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			

TACTICAL UNMANNED AERIAL VEHICLE																																
1	FY 06	A	9	4	5	1	1		1	1	1																					0
1	FY 06	A	5	0	5						1	1	1		1	1																0
1	FY 06	A	2	0	2											1	1															0
1	FY 09	A	12	0	12															A												12
Total																																
			28	4	24	1	1		1	1	1	1	1		1	1	1	1														12
						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	AAI, Hunt Valley, MD	1	10	12		1	Initial	4	5	11	16	
							Reorder	4	5	10	15	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

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			

<b>TACTICAL UNMANNED AERIAL VEHICLE</b>																														
1	FY 06	A	9	9																										0
1	FY 06	A	5	5																										0
1	FY 06	A	2	2																										0
1	FY 09	A	12	0	12			1	1	1	1	1	1	1	1	1													0	
Total																														
			28	16	12	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	AAI, Hunt Valley, MD	1	10	12		1	Initial	4	5	11	16	
							Reorder	4	5	10	15	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

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

Date: February 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		106	64	100	145	173	60				648
Gross Cost		19.0	10.2	20.7	27.9	33.6	16.2				127.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1		19.0	10.2	20.7	27.9	33.6	16.2				127.4
Initial Spares											
Total Proc Cost		19.0	10.2	20.7	27.9	33.6	16.2				127.4
Flyaway U/C		17.1	9.3	20.1	26.3	31.4	13.7				117.8
Weapon System Proc U/C		19.0	10.2	20.7	27.9	33.6	16.2				127.4

**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. SUAS obtained Milestone C approval on 6 Oct 05 and successfully completed IOT&E June 06. The program obtained Full Rate Production authority on 5 Oct 06.

**Justification:**

FY08/09 funds procure 100 and 145 Small Unmanned Aircraft Systems (SUAS), respectively, Program Management Support, Contractor Logistics Support, and New Equipment Training.

OPAA 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>SMALL UNMANNED AERIAL VEHICLE BASE</b>													
<b>SUAV</b>													
Small Systems Hardware Cost		13262	106	125	7360	64	115	14773	100	148	21166	145	146
Program Management		415			200			500			406		
System Test and Evaluation		14			3			55			81		
Fielding		635			320			429			1393		
Spares													
Data		14			10			27			40		
Logistics Support		1105			448								
ECP / Mods		488			170			651			1105		
<b>Total Hardware Cost</b>		<b>15933</b>			<b>8511</b>			<b>16435</b>			<b>24191</b>		
Government Furnished Equipment		399			422			636			941		
Program Management (Government)		978			512			1033			1393		
Engineering		491			180			712			398		
Logistics		427			180			770			398		
OGA		266			139			475			204		
Operations		318			180			475			202		
Fielding		140			35			146			129		
<b>Total Government Cost</b>		<b>3019</b>			<b>1648</b>			<b>4247</b>			<b>3665</b>		
<b>Total:</b>		<b>18952</b>			<b>10159</b>			<b>20682</b>			<b>27856</b>		

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

Date:  
February 2007

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)							
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>Small Systems Hardware Cost</b>										
FY 2007	AERO VIRONMENT SIMI VALLEY, CA	FFP/CPFF	AMCOM	Jan 07	May 07	64	115	Y	N/A	N/A
FY 2008	AERO VIRONMENT SIMI VALLEY, CA	FFP/CPFF	AMCOM	Jan 08	May 08	100	148	Y	N/A	N/A
FY 2009	AERO VIRONMENT SIMI VALLEY, CA	FFP/CPFF	AMCOM	Jan 09	May 09	145	146	Y	N/A	N/A

REMARKS:

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

Date: February 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: Army Common Ground Station (CGS) (TIARA) (BA1080)

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	726.2	8.9									735.1
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	726.2	8.9									735.1
Initial Spares	10.2										10.2
Total Proc Cost	736.4	8.9									745.3
Flyaway U/C											
Weapon System Proc U/C											

**Description:**  
 The Common Ground Station (CGS) is a rapidly deployable and mobile tactical sensor data processing and dissemination center mounted on two High Mobility Multi-Wheeled Vehicles (HMMWVs). As part of the Stryker Brigade Combat Team (SBCT), and the Counter Offensive Force/Counter Attack Corps, CGS provides a key interface between intelligence and command and control systems by concurrently providing timely intelligence data and receiving the Common Tactical Picture (CTP) via the Tactical Operations Center (TOC) Local Area Network (LAN). CGS integrates imagery and signals Intelligence, Surveillance and Reconnaissance (ISR) data products into a single visual presentation of the battlefield, providing commanders at Echelons Above Corps, Divisions and Brigades with Near Real Time (NRT) situational awareness, enhanced battle management and targeting capabilities. CGS initially served as the ground station for the Joint Surveillance Target Attack Radar System (Joint STARS), but has evolved into a multi-sensor ground station that receives, processes and displays sensor data from Predator, Tactical Unmanned Aerial Vehicle (TUAV), Airborne Reconnaissance Low (ARL), U2, Guardrail/Common Sensor (GRCS) and Integrated Broadcast Service (IBS) while preserving a small tactical footprint. CGS is the Army's premier radar Moving Target Indicator (MTI) ground station, receiving MTI data from Joint STARS, ARL and U2 sensors. Additionally, CGS receives and processes data and cross cues airborne sensors that include SAR, EO/IR, video and Signals Intelligence (SIGINT) sensor data. CGS disseminates timely targeting and battlefield surveillance data to Army Battlefield Command System (ABCS) nodes. CGS contains a robust modeling and simulation capability that supports linkage to sensor simulations, system-of-systems training and participation in a wide range of exercises on a worldwide basis. CGS with its Joint STARS and other sensor feeds, fulfills an urgent air-land battlefield requirement by providing an Army/Air Force sensor and attack control capability to locate, track, classify and assist in attacking moving and stationary targets beyond the Forward Line of Troops (FLOT). The CGS/JSWS has repeatedly provided high value targeting and intelligence data to Field Commanders during contingencies (e.g. Operation Joint Endeavor), as well as during standard mission operations of fielded units.

**Justification:**  
 No FY08/09 funding  
  
 FY06 includes supplemental funding of \$8.9 million to support the global war on terrorism (GWOT).

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

Date: February 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	191.1	57.1	30.6	34.6	20.7						334.2
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	191.1	57.1	30.6	34.6	20.7						334.2
Initial Spares											
Total Proc Cost	191.1	57.1	30.6	34.6	20.7						334.2
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 (e.g., imagery exploitation, Cover and Concealment, other Intelligence Preparation Battlespace (IPB)), rehearsal (e.g., 3D fly through, simulations) and execution (e.g., Common Operating Picture, 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 NGA School of Geospatial-Intelligence (TSG)(formerly the Defense Mapping School). TSG 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:**  
 FY08/09 will procure the DTSS-D, DTSS-L, DTSS-B, and HVMP. CTIS systems to be fielded to Army Engineer Terrain Teams at Brigade through Echelons Above Corps, Stryker Brigades, and Special Forces Groups.

FY06 includes supplemental funding of \$54.4 million to support the global war on terrorism (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: DIGITAL TOPOGRAPHIC SPT SYS (DTSS) (MIP) (KA2550)			Weapon System Type:			Date: February 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>Hardware</b>													
DTSS-Deployable	A	29025	129	225				3800	19	200			
DTSS-Light	A	23511	48	490	13770	27	510	20718	42	493	9400	25	376
DTSS-Base	A				4425	3	1475	1275	1	1275			
HVMP	A				3600	6	600	800	4	200			
<b>Hardware Total</b>		<b>52536</b>			<b>21795</b>			<b>26593</b>			<b>9400</b>		
<b>Engineering Support</b>													
Design Engineering		800			1750			1450			1239		
Misc Out-of-House Engineering		600			1631			1331			1100		
<b>Engineering Support Total</b>		<b>1400</b>			<b>3381</b>			<b>2781</b>			<b>2339</b>		
<b>Fielding</b>													
Total Package Fielding		300			800			800			780		
New Equipment Training		370			1200			1000			980		
First Destination Transportation		200			600			600			600		
<b>Fielding Total</b>		<b>870</b>			<b>2600</b>			<b>2400</b>			<b>2360</b>		
Project Management and Administration		2030			2530			2530			2530		
Interim Contractor Support		300			300			300			300		
Institutional Training											3800		
<b>Total:</b>		<b>57136</b>			<b>30606</b>			<b>34604</b>			<b>20729</b>		



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

Date:  
February 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>DTSS-Deployable</b> FY 2006	Northrup Grumman, Inc. Chantilly, VA	C/FP	USA Topo Eng Center	Jan 06	Mar 06	129	225	Yes		
<b>DTSS-Light</b> FY 2006	Sechan Electronics Lititz, PA	C/FP	USA Topo Eng Center	Feb 06	May 07	48	490	Yes		
FY 2007	Sechan Electronics Lititz, PA	C/FP	USA Topo Eng Center	Jan 07	Jan 08	27	510	Yes		
<b>DTSS-Base</b> FY 2007	Northrup Grumman, Inc. Chantilly, VA	C/FP	USA Topo Eng Center	Mar 07	Jun 07	3	1475	No		
<b>HVMP</b> FY 2007	Sechan Electronics Lititz, PA	C/FP	USA Topo Eng Center	Jan 07	Jan 08	6	600	No		

REMARKS:

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

Date: February 2007

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

P-1 Item Nomenclature  
DRUG INTERDICTION PROGRAM (DIP) (TIARA) (BU4050)

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	166.2	20.7	20.7								207.6
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	166.2	20.7	20.7								207.6
Initial Spares											
Total Proc Cost	166.2	20.7	20.7								207.6
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

CLASSIFIED PROGRAM: INFORMATION WILL BE PROVIDED UPON REQUEST

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

Date: February 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											
Gross Cost	48.4	39.3	65.2	114.8	112.2	167.2	150.1	160.2	164.6	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc PI	48.4	39.3	65.2	114.8	112.2	167.2	150.1	160.2	164.6	Continuing	Continuing
Initial Spares											
Total Proc Cost	48.4	39.3	65.2	114.8	112.2	167.2	150.1	160.2	164.6	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**  
 Advanced Intelligence, Surveillance and Reconnaissance (ISR) capabilities will form the knowledge backbone of the Future Force and enable all other capabilities. Distributed Common Ground System - Army (DCGS-A) is the 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 Task, Post, Process and Use (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 forward footprint. DCGS-A provides 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. The core functions of DCGS-A are: receipt and processing of space, airborne, ground and maritime ISR sensor data; control of select Army and joint ISR sensor systems; intelligence synchronization; ISR planning; reconnaissance and surveillance (R&S) integration; fusion of sensor information, and direction and distribution of relevant red (threat), gray (non-aligned), and environmental (weather and terrain) information. DCGS-A will combine and replace the ground processing capabilities of eleven current force systems with a common, integrated capability that is fully interoperable with both the Future Net Centric Enterprise Services (NCES) and FCS System of Systems Core Operating Environment (SOSCOE). DCGS-A will be fielded in fixed and mobile configurations, and Government provided software embedded in other Army Weapon Systems.

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 Sites. 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 Sites such as the implementation of the National Geospatial-Intelligence Agency (NGA) directed Future Imagery Architecture and the DCGS Integrated Backbone (DIB), enabling real time interoperability and data sharing with other DOD and National Intelligence Communities. Additionally, components of the Joint Intelligence Operational Capability-Iraq (JIOC-I) Quick Reaction Capability Initiative have been integrated into DCGS-A.

**Justification:**  
 FY08/09 procures components for DCGS-A Fixed Sites, initial DCGS-A Mobile systems, Basic Analyst Laptops (BALs) for ASAS-L displacement, and modifications to Programs of Record (POR)

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

Date: February 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:

to serve as Interim Sets prior to fielding of DCGS-A Mobile systems.

<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: February 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
Mods/Support of Current Force Systems		13106			24000			22919			17905		
Modification/Enhancements of Fixed Sites		13542			10998			12963			9041		
Manufacturing of V4 Mobile Systems								24772	5	4954	24221	5	4844
Basic Analyst Laptop (BAL) (SW only)								6755	847	8	8735	847	10
Software Licenses					3276			6050			4880		
FIA		4700			4888			3094			1105		
Fielding		1769			15747			16382			18023		
Training		5250			1820			17760			26775		
CI&I Ops for DCGS-A Modularity		960	24	40	4432	69	64	4147	75	55	1542	26	59
<b>Total:</b>		<b>39327</b>			<b>65161</b>			<b>114842</b>			<b>112227</b>		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: DCGS-A (MIP) (BZ7316)								
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>Manufacturing of V4 Mobile Systems</b>										
FY 2008	Northrop Grumman Linthicum, MD	CPAF	Ft. Belvoir	Feb 08	Jul 08		4954			
FY 2009	Northrop Grumman Linthicum, MD	CPAF	Ft. Belvoir	Feb 09	Jul 09		4844			
<b>Basic Analyst Laptop (BAL) (SW only)</b>										
FY 2008	General Dynamics Taunton, MA	FFP	Ft. Monmouth	Feb 08	May 08	847	8			
FY 2009	General Dynamics Taunton, MA	FFP	Ft. Monmouth	Feb 09	May 09	847	10			
<b>CI&amp;I Ops for DCGS-A Modularity</b>										
FY 2007	TAMSCO Eatontown, NJ	C/FFP	Ft. Monmouth	Mar 07	May 07	69	64			
FY 2008	TAMSCO Eatontown, NJ	C/FFP	Ft. Monmouth	Mar 08	May 08	75	55			
FY 2009	TAMSCO Eatontown, NJ	C/FFP	Ft. Monmouth	Mar 09	May 09	26	59			

REMARKS:

<b>FY 06 / 07 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE DCGS-A (MIP) (BZ7316)	Date: February 2007
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COST ELEMENTS						Fiscal Year 06													Fiscal Year 07													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 06													Calendar Year 07													
						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			
Manufacturing of V4 Mobile Systems																																
1	FY 08	A	5	0	5																								5			
1	FY 09	A	5	0	5																								5			
Basic Analyst Laptop (BAL) (SW only)																																
3	FY 08	A	847	0	847																								847			
3	FY 09	A	847	0	847																								847			
CI&I Ops for DCGS-A Modularity																																
2	FY 06	A	40	0	40																								0			
2	FY 07	A	64	0	64																								0			
2	FY 08	A	55	0	55																								55			
2	FY 09	A	59	0	59																								59			
Total																																
			1922		1922																								1818			

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	Northrop Grumman, Linthicum, MD	1	2	3	1	Initial	0	4	5	9	
						Reorder	0	0	0	0	
2	TAMSCO, Eatontown, NJ	10	20	30	2	Initial	0	6	2	8	
						Reorder	0	6	2	8	
3	General Dynamics, Taunton, MA	100	200	250	3	Initial	0	4	3	7	
						Reorder	0	4	3	7	
						Initial					
						Reorder					
						Initial					
						Reorder					

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE DCGS-A (MIP) (BZ7316)	Date: February 2007
--	--	------------------------

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			
Manufacturing of V4 Mobile Systems																																
1	FY 08	A	5	0	5																									0		
1	FY 09	A	5	0	5																									0		
Basic Analyst Laptop (BAL) (SW only)																																
3	FY 08	A	847	0	847																									0		
3	FY 09	A	847	0	847																									0		
CI&I Ops for DCGS-A Modularity																																
2	FY 06	A	40	40																										0		
2	FY 07	A	64	64																										0		
2	FY 08	A	55	0	55																									0		
2	FY 09	A	59	0	59																									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			

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			1	2	3	4		5
1	Northrop Grumman, Linthicum, MD	1	2	3		1	Initial	0	4	5	9	
							Reorder	0	0	0	0	
2	TAMSCO, Eatontown, NJ	10	20	30		2	Initial	0	6	2	8	
							Reorder	0	6	2	8	
3	General Dynamics, Taunton, MA	100	200	250		3	Initial	0	4	3	7	
							Reorder	0	4	3	7	
							Initial					
							Reorder					
							Initial					
							Reorder					



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

Date: February 2007

Appropriation / Budget Activity / Serial No: P-1 Item Nomenclature  
 Other Procurement, Army / 2 / Communications and Electronics Equipment TROJAN (MIP) (BA0326)

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	198.0	6.9	7.6	13.4	10.5	10.7	10.8	11.1	11.3	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc PI	198.0	6.9	7.6	13.4	10.5	10.7	10.8	11.1	11.3	Continuing	Continuing
Initial Spares											
Total Proc Cost	198.0	6.9	7.6	13.4	10.5	10.7	10.8	11.1	11.3	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**

TROJAN, as an Army Intelligence system, has been providing a direct support and an operational readiness capability to warfighters since 1985. TROJAN exists to provide value added to the tactical commander with remote access to signal environments, in order to maintain a high state of operational readiness and enhance the training and sustainment of highly perishable intelligence skills. Additionally, the TROJAN architecture provides the infrastructure enabling split-based and force protection operations in direct support of the warfighter.

Trojan Classic XXI (TCXXI) advances the tactical commanders' readiness in the areas of training (technical and operational signals intelligence (SIGINT)), operational intelligence production and dissemination, and operational support to split-based intelligence operations supporting force projection operations. TCXXI's principle use is to provide remote access to target environments, enabling split-based operations from a sanctuary by being the gateway interface to environments of immediate relevance to every supported commander's priority intelligence requirements. In addition, TCXXI will continue its role as an operational readiness system, while also supporting commanders' intelligence requirements across the spectrum of conflict.

TCXXI is an intelligence and electronic warfare (IEW) system that supports the increased readiness of key mobilization personnel in preparation for actions in the mission areas of The Army Plan (TAP). TCXXI is capable of maintaining operational readiness status of unit personnel supporting the full spectrum of military operations as outlined in the Army Strategic Planning Guidance and Army Planning Guidance sections of the TAP.

TCXXI provides operational readiness capability to an Army commander employing a rapid global response capability to any level of military conflict throughout the seven mission areas. By employing reach technology relay capabilities between the forward deployed sensors and the sanctuary-based Remote Operational Facilities (ROFs), TCXXI can meet the operational deployment timelines through the use of readiness training venues to meet the requirements of units from Brigade Combat Teams through Corps and Echelon Above Corps (EAC). This operational concept provides the unique capability to remotely control the sensors and direction finding capabilities of the Deployable Collection Assets (DCAs) and process and analyze the collected information for timely reporting of time-sensitive information to the forward deployed Army, Joint Service and Multi-National warfighters.

**Justification:**

FY08/09 procures hardware/software in support of the planned TROJAN Classic XXI system modernization upgrades and fielding activities to include Remote Operations Facilities, mobile and fixed Remote Collection Facilities. Fieldings include existing TROJAN facilities as well as emerging TIG/TIB requirements. FY08 also procures hardware kits and fielding for preplanned product

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

Date:

February 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics EquipmentP-1 Item Nomenclature  
TROJAN (MIP) (BA0326)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

improvements (P3I) to the AN/TSQ-190 TROJAN SPIRIT II Intel Dissemination terminal.

<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: TROJAN (MIP) (BA0326)			Weapon System Type:			Date: February 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>TROJAN CLASSIC XXI</b>														
(MC03c) Hardware			1812	4	453	1359	3	453	1800	3	600	2030	3	677
(MC03d) Hardware			2118	3	706	2824	4	706	1944	3	648	1550	2	775
(MC05) Hardware			1518	2	759	2460	3	820	4000	3	1333	4100	3	1367
Integration/Fielding			1405			985			400			498		
TS LITE Hardware									5274	7	753	2300	3	767
<b>SUBTOTAL</b>			<b>6853</b>			<b>7628</b>			<b>13418</b>			<b>10478</b>		
<b>Total:</b>			<b>6853</b>			<b>7628</b>			<b>13418</b>			<b>10478</b>		

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

Date: February 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: MOD OF IN-SVC EQUIP (INTEL SPT) (MIP) (BZ9750)

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	207.9	1.6	5.0	2.4	2.4	2.6	3.1	3.5	3.5	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	207.9	1.6	5.0	2.4	2.4	2.6	3.1	3.5	3.5	Continuing	Continuing
Initial Spares											
Total Proc Cost	207.9	1.6	5.0	2.4	2.4	2.6	3.1	3.5	3.5	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**  
 Special Purpose Systems (BZ9751): Upgrades/enhancements of the Prophet System with additional Technical Insertion (TI) capabilities. 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 SIGINT/EW system for the Division, Brigade Combat Team (BCT), Stryker Brigade Combat Team (SBCT) and Armored Cavalry Regiments (ACR).

Mods for IEW TAC SIG WAR (BZ9752): The Remotely-Monitored Battlefield Sensor System II (REMBASS-II) is a family of unattended sensors that provide all weather, 24-hour area surveillance, force protection, and target detection and classification capability to support the battlefield commander. IREMBASS was fielded to MI Battalions in Army Airborne, Air Assault and Light Divisions. The system was also fielded to Special Operation Forces and the 2nd Infantry Division in Korea where it is used to monitor the Demilitarized Zone (DMZ). REMBASS-II will be fielded to the Stryker Brigade Combat Team (SBCTs).

The AN/PPS-5D is an all weather, man-portable, Ground Surveillance Radar (GSR). The GSR detects moving wheel and track vehicles out to 20 kms and detects personnel out to 10 kms. The operator can monitor target movements, determine the distance to target, and can estimate the direction and speed of the target. The system provides a Built-in-Test capability with a fault isolation rate of 85%. GSRs will be fielded to the SBCTs. The PM is maintaining the Army's Quick Reaction Capability (QRC) for GSRs and REMBASS II. Systems are currently deployed to OIF and OEF in support of the Global War on Terrorism.

Recent trends in simulation technology are enabling the Army National Guard's (ARNG) vision of fielding low cost simulation devices to home station armories. These fieldings will dramatically increase training opportunities afforded each soldier. This vision is being formulated under the National Guard's Virtual, Low-Cost Infrastructure Plan (N-VLIP). The founding premise of this plan is that by driving the virtual training down to the lowest common platform possible (PCs), soldiers' overall skill development and training sustainment will improve in proportion with the increases in opportunity to practice in a realistic environment. In addition to hardware new curricula must be developed. The only virtual curricula available today are those that have been developed for large, single station, high throughput trainers developed in the 80's and 90's. Similarly, new pedagogy must be developed to accommodate the varying human man-machine interfaces of the proposed new virtual simulators. These systems support the Stryker Brigade Combat Team (SBCT).

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

Date:

February 2007

Appropriation / Budget Activity / Serial No:

Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature

MOD OF IN-SVC EQUIP (INTEL SPT) (MIP) (BZ9750)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

**Justification:**

FY08/09 procures upgrades/enhancements to Prophet TI capabilities to satisfy unique theater requirements as they evolve. FY08/09 will also procure Ground Surveillance System Hardward (REMBASS II and PPS-5D) in support of the Stryker Brigade Combat Teams (SBCT).

Exhibit P-40M, Budget Item Justification Sheet										Date: February 2007	
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment					P-1 Item Nomenclature MOD OF IN-SVC EQUIP (INTEL SPT) (MIP) (BZ9750)						
Program Elements for Code B Items:							Code:		Other Related Program Elements:		
Description		Fiscal Years									
OSIP No.	Classification	2006 & PR	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	TC	Total
Y2K fixes for GR/CS and ARL											
1-99-07-0001	Operational	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3
Prophet Tech Insertion											
0-00-00-0000		1.4	3.8	2.4	2.4	2.6	3.1	0.0	0.0	0.0	15.7
REMBASS II for SBCT											
1-02-07-0001	Operational	9.2	0.2	1.0	0.6	0.0	1.0	0.0	0.0	0.0	12.0
AN/PRD-13(V)2											
1-97-07-0001	Operational	15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.4
AN/PPS-5D (GSR) for SBCT											
1-02-07-0002	Operational	2.9	1.0	3.2	3.3	3.9	0.6	0.0	0.0	0.0	14.9
ARNG Virtual Low Cost Infrastructure Plan											
0-04-00-0001		1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
Special Program											
0-00-00-0000	Special	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
Totals		38.7	5.0	6.6	6.3	6.5	4.7	0.0	0.0	0.0	67.8

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

Date: February 2007

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

P-1 Item Nomenclature  
SPECIAL PURPOSE SYSTEMS (MIP) (BZ9751)

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										Continuing	Continuing
Gross Cost	84.2	0.5	3.8	2.4	2.4	2.6	3.1	3.5	3.6	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	84.2	0.5	3.8	2.4	2.4	2.6	3.1	3.5	3.6	Continuing	Continuing
Initial Spares											
Total Proc Cost	84.2	0.5	3.8	2.4	2.4	2.6	3.1	3.5	3.6	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**

Upgrades/enhancements to the Prophet system with additional Technical Insertion (TI) Capabilities. 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 SIGINT/EW system for the Division, Brigade Combat Team (BCT), and Stryker Brigade Combat Team (SBCT) and Armored Cavalry Regiments (ACR). Prophet Block II/III functionality will be resident within the Future Combat Systems (FCS). That technology and Tactics, Techniques and Procedures (TTPs) will be leveraged. 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. Additionally, Prophet provides the ability to intercept voice communications data when on board linguists are available. This NRT information when processed provides a key component of the fused intelligence common operating picture (COP).

During Operation Enduring Freedom and Iraqi Freedom (OEF/OIF) PM Prophet was tasked by DA to enhance the Prophet system with additional Technical Insertion (TI) capabilities. These capabilities were theater specific and enabled the Prophet system to address specific threats and Signals Of Interest (SOI). The information gathered by the TI provides key intelligence and insight. These systems are modular, easy to upgrade and easy to utilize.

**Justification:**

FY2008/2009 procures upgrades/enhancements to TI capabilities to satisfy unique theater requirements as they evolve.

<b>Exhibit P-40M, Budget Item Justification Sheet</b>											Date: February 2007	
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment						P-1 Item Nomenclature SPECIAL PURPOSE SYSTEMS (MIP) (BZ9751)						
Program Elements for Code B Items:								Code:		Other Related Program Elements:		
Description		Fiscal Years										
OSIP No.	Classification	2006 & PR	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	TC	Total	
Prophet Tech Insertion												
0-00-00-0000		1.4	3.8	2.3	2.4	2.6	3.1	0.0	0.0	0.0	15.6	
National Guard Virtual Low Cost Infrastructure Pgm												
0-00-00-0000		1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	
Special Program												
0-00-00-0000	Special	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	
REMBASS II for SBCT												
0-00-00-0000		1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	
Totals		4.9	3.8	2.3	2.4	2.6	3.1	0.0	0.0	0.0	19.1	



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

Date: February 2007

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

P-1 Item Nomenclature  
MODS FOR IEW TAC SIG WAR (MIP) (BZ9752)

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	123.7	1.1	1.2							Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	123.7	1.1	1.2							Continuing	Continuing
Initial Spares											
Total Proc Cost	123.7	1.1	1.2							Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**

The AN/GSR-8 Remotely Monitored Battlefield Sensor System II (REMBASS-II) is a family of unattended sensors that provide all weather, 24-hour area surveillance, force protection, and target detection and classification capability to support the battlefield commander. Improved Remotely Monitored Battlefield Sensor System (I-REMBASS) was fielded to Military Intelligence (MI) Battalions in Army Airborne, Air Assault and Light Divisions in the mid-1990s. I-REMBASS was also fielded to Special Operation Forces and the 2nd Infantry Division in Korea where it is used to monitor the Demilitarized Zone (DMZ). REMBASS-II will be used to support operations in Operation Iraqi Freedom/Operation Enduring Freedom (OIF/OEF). REMBASS II Class IX components also serve as replenishment spares for all units previously fielded and authorized I-REMBASS.

The AN/PPS-5D is an all weather, man-portable, Ground Surveillance Radar (GSR). The AN/PPS-5D detects moving wheel and track vehicles out to 20kms and detects personnel out to 10kms. The operator can monitor target movements, determine the distance to target, and can estimate the direction and speed of the target. The system provides a Built-in-Test capability with a fault isolation rate of 85%. AN/PPS-5D will be used to support operations in OIF/OEF.

The Product Manager (PM) is maintaining the Army's Quick Reaction Capability (QRC) for GSRs and REMBASS II. Systems are currently deployed to Operation Iraqi Freedom (OIF) and Operation Enduring Freedom (OEF) in support of the Global War on Terrorism. CONUS units were directed to turn in all AN/PPS-5 and REMBASS II GSR for immediate deployment in support of OIF/OEF operations.

**Justification:**

No FY08/09 funding

<b>Exhibit P-40M, Budget Item Justification Sheet</b>	Date: February 2007
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature MODS FOR IEW TAC SIG WAR (MIP) (BZ9752)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
------------------------------------	-------	---------------------------------

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/PPS-5D for OIF/OEF											
0-00-00-0000		2.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
REMBASS II for OIF/OEF											
0-00-00-0000		9.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1
Totals		12.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0

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

Date: February 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	107.0	7.6	19.6	26.3	35.1	10.2	12.5	10.5	10.5		239.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	107.0	7.6	19.6	26.3	35.1	10.2	12.5	10.5	10.5		239.4
Initial Spares											
Total Proc Cost	107.0	7.6	19.6	26.3	35.1	10.2	12.5	10.5	10.5		239.4
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 .

Both systems provide automation capabilities to collect, manage, receive, store and export text, map, electronic data, and digital imagery and sound information. These systems also prepare, process and disseminate standard reports, messages, and intelligence related files.

**Justification:**

FY08/09 will procure Counter-Intelligence/Human Intelligence Automation Tool Sets (CHATS) and Individual Tactical Reporting Tools (ITRTs) to support the training requirement of Forces Command in preparing Reserve Component soldiers in support of Operations Enduring and Iraqi Freedom. CHATS/ITRT provides HUMINT collector's mission automation for collection, reporting, and production of critical information.

FY06 includes supplemental funding of \$6.9 million to support the global war on terrorism (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: CI HUMINT INFO MANAGEMENT SYSTEM (CHIMS) (MIP) (BK5275)			Weapon System Type:			Date: February 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>Hardware</b>													
--CHATS V3		4070	102	39.9	11411	286	39.9	16160	405	39.9	22943	575	39.9
--I TRT		2713	266	10.2	5192	509	10.2	6375	625	10.2	7456	731	10.2
<b>SBCT Hardware</b>													
--SBCT CHATS V3		144	4	36.0									
--SBCT I TRT		80	8	10.0									
<b>Other</b>													
Total Package Fielding (TPF) / Software		438			2349			3074			3879		
CTS F								701			809		
Program Support		147			673								
<b>Total:</b>		<b>7592</b>			<b>19625</b>			<b>26310</b>			<b>35087</b>		

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

Date:  
February 2007

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)								
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>--CHATS V3</b>										
FY 2006	TAMSCO Eatontown, NJ	C/FFP	CECOM	Dec 05	Jun 06	102	40			
FY 2007	TBD	C/FFP	CECOM	Dec 06	Jun 07	286	40			
FY 2008	TBD	C/FFP	CECOM	Jan 07	Jun 08	405	40			
FY 2009	TBD	C/FFP	CECOM	Jan 08	Jun 09	575	40			
<b>--ITRT</b>										
FY 2006	TAMSCO Eatontown, NJ	C/FFP	CECOM	Dec 05	Jun 06	266	10			
FY 2007	TBD	C/FFP	CECOM	Dec 06	Jun 07	509	10			
FY 2008	TBD	C/FFP	CECOM	Jan 07	Jun 08	625	10			
FY 2009	TBD	C/FFP	CECOM	Jan 08	Jun 09	731	10			
<b>--SBCT CHATS V3</b>										
FY 2006	TAMSCO Eatontown, NJ	C/FFP	CECOM	Jan 05	Jun 06	4	36			
<b>--SBCT ITRT</b>										
FY 2006	TAMSCO Eatontown, NJ	C/FFP	CECOM	Nov 05	May 06	8	10			

REMARKS:

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

Date: February 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											
Gross Cost	171.4	72.7	37.6	17.9	20.4	12.9	14.0			Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	171.4	72.7	37.6	17.9	20.4	12.9	14.0			Continuing	Continuing
Initial Spares											
Total Proc Cost	171.4	72.7	37.6	17.9	20.4	12.9	14.0			Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**

This budget line supports procurement of TROJAN Special Purpose Integrated Remote Intelligence Terminals (TROJAN SPIRIT) for the Stryker Brigades, Special Operations Forces, and Modular Force units. Also funds for the Army National Guard Wideband Imagery Dissemination System. Funds USFK intelligence infrastructure upgrades (through FY07 only).

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:**

FY08/09 procures, integrates, and fields TS LITE systems for Modular Force Units and Special Operations Forces.

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: February 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>TROJAN SPIRIT LITE (V)</b>													
Hardware SBCT					3482	3	1161						
Hardware, Army Modularity Transformation		39865	32	1246	21178	17	1246	15697	12	1308	17855	13	1373
Hardware SOF		12970	24	540	1081	2	541	567	1	567	596	1	596
Integration/Fielding		5430			2895			1639			1935		
United States Force Korea		1480			983								
Army NG Wideband Imag Dis Sys		4000			7968								
TROJAN SPIRIT P3I		9000											
NG virtual, low-cost infra pilot program													
INSCOM Intelligence Tech Management													
<b>Total:</b>		<b>72745</b>			<b>37587</b>			<b>17903</b>			<b>20386</b>		

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

Date:  
February 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 SBCT</b>										
FY 2007	GLOBAL SATCOM (Hardware SBCT) Gaithersburg, MD	IDIQ	Ft. Monmouth	Feb 06	Jul 07	3	1161	yes	n/a	awarded
FY 2007	MTC (Hardware, Army Mod Trans) Neptune, NJ	IDIQ	Ft. Monmouth	Feb 06	Jun 07	1	100	yes	n/a	awarded
<b>Hardware, Army Modularity Transformation</b>										
FY 2007	GLOBAL SATCOM,(Hardware Mod) Gaithersburg, MD	IDIQ	Ft. Monmouth	Feb 06	Jul 07	17	1246	yes	n/a	awarded
FY 2007	MTC (Hardware, Army Mod Trans) Neptune, NJ	IDIQ	Ft. Monmouth	Feb 06	Jun 07	17	100	yes	n/a	awarded
FY 2008	GLOBAL SATCOM,(Hardware Mod) Gaithersburg, MD	IDIQ	Ft. Monmouth	Feb 06	Jul 08	12	1308	yes	n/a	awarded
FY 2008	MTC (Hardware, Army Mod Trans) Neptune, NJ	IDIQ	Ft. Monmouth	Feb 06	Jun 08	12	100	yes	n/a	awarded
FY 2009	GLOBAL SATCOM,(Hardware Mod) Gaithersburg, MD	IDIQ	Ft. Monmouth	Feb 06	Jul 09	13	1373	yes	n/a	awarded
FY 2009	MTC (Hardware, Army Mod Trans) Neptune, NJ	IDIQ	Ft. Monmouth	Feb 06	Jun 09	13	100	yes	n/a	awarded
<b>Hardware SOF</b>										
FY 2007	Global SATCOM, (Hardware SOF) Gaithersburg, MD	IDIQ	Ft. Monmouth	Feb 06	Jul 07	2	541	yes	n/a	awarded
FY 2008	Global SATCOM, (Hardware SOF) Gaithersburg, MD	IDIQ	Ft. Monmouth	Feb 06	Jul 08	1	567	yes	n/a	awarded
FY 2009	Global SATCOM, (Hardware SOF) Gaithersburg, MD	IDIQ	Ft. Monmouth	Feb 06	Jul 09	1	596	yes	n/a	awarded

REMARKS:



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

Date: February 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		161	37	71	40	76	71	62	64		582
Gross Cost	25.0	94.6	16.3	43.9	44.1	34.0	34.5	35.3	36.1	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	25.0	94.6	16.3	43.9	44.1	34.0	34.5	35.3	36.1	Continuing	Continuing
Initial Spares											
Total Proc Cost	25.0	94.6	16.3	43.9	44.1	34.0	34.5	35.3	36.1	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C		0.6	0.4	0.6	1.1	0.4	0.5	0.6	0.6	Continuing	Continuing

**Description:**  
 The Lightweight Counter Mortar Radar (LCMR) provides 360 degrees of azimuth coverage and will be used to detect, locate, and report locations of enemy indirect firing systems. It will cover a range of 500 meters to 10 kilometers and provide observed fires from friendly units. LCMR shall be a digitally connected, day/night mortar, cannon, and rocket locating system. The approved acquisition strategy is based on a spiral enhancement to the existing LCMR which was fielded to Operation Iraqi Freedom (OIF) as a Limited Procurement Urgent (LPU) capability.

**Justification:**  
 FY08/09 procures seventy-one (71) and forty (40) respectively LCMR systems.  
 FY06 includes supplemental funding of \$89.7 million to support the global war on terrorism (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: LIGHTWEIGHT COUNTER MORTAR RADAR (B05201)			Weapon System Type:			Date: February 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
Hardware (LCMR (V)2)		45870	161	285	11620	37	314	24102	71	339			
Hardware (LCMR (V)3)											21489	40	537
Hardware (Non Recurring Engineering)		8000									3079		
Ancillary Items		2700			310			607			800		
Engineering Change Orders								1295			1585		
Testing		6000			581			3743			1810		
Integrated Logistics Support		7500			177			1454			3326		
Training		10500			350			3597			3137		
Interim Contractor Support		10068			1967			5622			5054		
Program Management Support		3456			705			2623			2881		
Contractor System Engineering		544			550			850			890		
<b>Total:</b>		<b>94638</b>			<b>16260</b>			<b>43893</b>			<b>44051</b>		

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

Date:  
February 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: LIGHTWEIGHT COUNTER MORTAR RADAR (B05201)							
<b>Hardware (LCMR (V)2)</b> FY 2006	SRC TEC North Syracuse, NY	SS/FFP	CECOM	Mar 06	Jan 07	161	285	No		
FY 2007	SRC TEC North Syracuse, NY	SS/FFP	CECOM	Jun 07	Dec 07	37	314	No		
FY 2008	SRC TEC North Syracuse, NY	SS/FFP	CECOM	Nov 07	May 08	71	339	No		
<b>Hardware (LCMR (V)3)</b> FY 2009	SRC TEC North Syracuse, NY	SS/FFP	CECOM	Nov 08	May 09	40	537	No		

REMARKS:

<b>FY 06 / 07 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE LIGHTWEIGHT COUNTER MORTAR RADAR (B05201)	Date: February 2007
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COST ELEMENTS					Fiscal Year 06														Fiscal Year 07														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 06														Calendar Year 07														
						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 (LCMR (V)2)																																				
1	FY 06	A		161	0	161																														
1	FY 07	A		37	0	37																														
1	FY 08	A		71	0	71																														

Hardware (LCMR (V)3)																																						
1	FY 09	A		40	0	40																																
<b>Total</b>																																						

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	SRC TEC, North Syracuse, NY	1	8	20		1	0	5	10	15	
							0	0	6	6	

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>														P-1 ITEM NOMENCLATURE LIGHTWEIGHT COUNTER MORTAR RADAR (B05201)							Date: February 2007			
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	------------------------	--	--	--

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 (LCMR (V)2)																																	
1	FY 06	A	161	129	32	11	11	10																									0
1	FY 07	A	37	0	37			1	11	11	11	3																				0	
1	FY 08	A	71	0	71		A						11	11	11	11	11	11	5													0	

Hardware (LCMR (V)3)																																				
1	FY 09	A	40	0	40															A											8	8	8	8	8	0
Total			309	129	180	11	11	11	11	11	3	11	11	11	11	11	11	5																		

						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	SRC TEC, North Syracuse, NY	1			8	20	1	Initial	
						Reorder	0	0	6	6	
						Initial					
						Reorder					
						Initial					
						Reorder					
						Initial					
						Reorder					
						Initial					
						Reorder					

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

Date: February 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	0.0	0.0	30.7	11.9	1.0	1.0	1.4	1.5	1.5		49.0
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	0.0	0.0	30.7	11.9	1.0	1.0	1.4	1.5	1.5		49.0
Initial Spares											
Total Proc Cost	0.0	0.0	30.7	11.9	1.0	1.0	1.4	1.5	1.5		49.0
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.

**Justification:**

FY06/07 totals include supplemental funding of \$4.2 million and \$30.7 million respectively, to support the global war on terrorism (GWOT).

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

Date: February 2007

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

P-1 Item Nomenclature  
CI MODERNIZATION (MIP) (BL5285)

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		1.3	1.3	1.5	1.5	1.5	1.6	1.6	1.6		11.9
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1		1.3	1.3	1.5	1.5	1.5	1.6	1.6	1.6		11.9
Initial Spares											
Total Proc Cost		1.3	1.3	1.5	1.5	1.5	1.6	1.6	1.6		11.9
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The Counterintelligence (CI) Modernization effort provides resources for the sustainment of the CI IT infrastructure used by the FCIP CI components of the Army. This architecture and infrastructure includes shared databases, workstations, global communications, and adequate connectivity for FCIP-funded CI agents and specialists. Funds also provide for the acquisition of security and encryption devices to allow sensitive CI information to be properly transmitted and stored; minor equipment purchases; the repair and maintenance of automated data processing equipment; and related contract support.

**Justification:**

FY08/09 will procure 34 additional Broadband Global Area Network (BGAN) flyaway kits and engineer, furnish, install, and equip INMARSAT BGAN Point of Entry.

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

Date: February 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature SENTINEL MODS (WK5057)

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	111.9	7.6	15.1	20.9	33.4	28.2	25.3	33.0	41.7	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	111.9	7.6	15.1	20.9	33.4	28.2	25.3	33.0	41.7	Continuing	Continuing
Initial Spares											
Total Proc Cost	111.9	7.6	15.1	20.9	33.4	28.2	25.3	33.0	41.7	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**

The Sentinel Radar is a Product Office in the Cruise Missile Defense System (CMDS) Project Office. Sentinel is the only sensor available in the maneuver area that detects cruise missiles, Unmanned Aerial Vehicles (UAVs), rotary and fixed wing aircraft at low altitudes. Its mission is to acquire, track, and identify cruise missiles, UAVs, helicopters, and fixed wing aircraft and to provide adequate target location to queue Short Range Air Defense (SHORAD) weapons for engagement.

The Sentinel system is used with the Forward Area Air Defense Command and Communication (FAAD C2) system to provide critical air surveillance of the forward areas. It automatically detects, tracks, classifies, identifies, and reports cruise missiles, UAVs, helicopters, and fixed wing aircraft. Sentinel consists of an advanced, three-dimensional, X-Band, phased-array radar with instrumented ranges of 40 kilometers, an Identification Friend or Foe (IFF) system, and FAAD C2 interfaces. Sentinel can operate day or night, in adverse weather conditions, and in battlefield environments of dust, smoke, aerosols, and enemy countermeasures. Sentinel provides 360-degree coverage for acquisition and tracking. Its primary power is a High Mobility Multi-purpose Wheel Vehicle (HMMWV). Sentinel is transportable without disassembly and can be marched-ordered and deployed by two soldiers.

Sentinel provides targeting information on hovering to fast moving aerial platforms and those that are flying at altitudes from nap-of-the-earth to the maximum engagement altitude of SHORAD weapons. It acquires targets sufficiently forward of the defended forces or assets to improve SHORAD weapon reaction time and allow engagement at optimum ranges. The Sentinel IFF capability reduces the potential for fratricide. Sentinel support the Army divisional, corps, and theater Air and Missile Defense (AMD) operations across the full spectrum of conflict.

**Justification:**

FY08/09 will procure additional ETRAC System Kits to meet the Approved Acquisition Objective (AAO) of 140 systems. After installation of the FY08 ETRAC kits, 55 percent of the Sentinel fleet will have enhanced target detection and classification capability for cruise missiles (CM), UAVs, rotary and fixed wing aircraft and supports precision engagements beyond visual range.

Sentinel is an integrated part of Integrated Air and Missile Defense System (IAMD) development process and consequently some funding adjustments may be required between the individual Sentinel Modification Efforts.



<b>Exhibit P-40M, Budget Item Justification Sheet</b>	Date: February 2007
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature SENTINEL MODS (WK5057)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
------------------------------------	-------	---------------------------------

Description		Fiscal Years									
OSIP No.	Classification	2006 & PR	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	TC	Total
ETRAC System Kit											
111-11	Operational	119.4	15.1	20.9	21.5	18.7	16.7	19.5	23.6	0.0	255.4
Mode 5 IFF Kit											
111-13	Operational	0.0	0.0	0.0	0.0	1.0	0.8	2.3	2.8	0.0	6.9
Joint Identification Kit											
111-12	Operational	0.0	0.0	0.0	11.9	8.5	7.8	11.2	15.3	0.0	54.7
<b>Totals</b>		119.4	15.1	20.9	33.4	28.2	25.3	33.0	41.7	0.0	317.0

**INDIVIDUAL MODIFICATION**

Date: February 2007

MODIFICATION TITLE: ETRAC System Kit [MOD 1] 111-11

MODELS OF SYSTEM AFFECTED:

DESCRIPTION / JUSTIFICATION:

ETRAC Modifications include waveform upgrades for the Receiver/Exciter; Variable Rotation Rate, Target Classification upgrades/replacement of the current Sentinel transmitter with Power Amplifier Modules (PAM). The Exciter upgrades will provide low level RF signal sufficient to support the acquisition and track of small cruise missile targets and to accomplish generation of target classification waveforms. Receiver upgrades accomplish receipt and signal conditioning of low level Radio Frequency (RF) signal prior to Analog/Digital (A/D) conversion sufficient to support the acquisition and track of small cruise missile targets and to accomplish target classification. Variable rotation rate provides capability to slow the antenna rotation, increasing time on target to acquire and track small cruise missile targets and to provide flexible antenna positioning capability for target classification waveforms. Target classification efforts include software implementation of target classification capability to support beyond visual range engagements. ETRAC System Kit buy/Delivery schedule has been updated to reduce production spikes and to stay within budget.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

ETRAC System Development is completed. ETRAC Production started 23 January 2004. Initial Sentinel A1 (ETRAC) fielding was to the Air Defense School on 14 April 2006. Sentinel A1 IOC/FUE was 11 August 2006.

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	11	7	7	7	6	6	6	6	6	1	1	1	2	2	2	3	3	3	3	3	4
Outputs	10	8	2	8	6	6	6	6	6	4				6		6		6		6	
		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		2	2	3	3	2	2	2	2	2	2	3	3	3	3	3	4	9	140		
Outputs		6			6		6				6		6		6		6	12	140		

METHOD OF IMPLEMENTATION: Contractor's facility      ADMINISTRATIVE LEADTIME: 3 months      PRODUCTION LEADTIME: 24 months  
 Contract Dates:                      FY 2008 - Jan 08                      FY 2009 - Jan 09                      FY 2010 - Jan 10  
 Delivery Dates:                      FY 2008 - Jan 10                      FY 2009 - Jan 11                      FY 2010 - Jan 12

**INDIVIDUAL MODIFICATION**

Date: February 2007

MODIFICATION TITLE (cont): ETRAC System Kit [MOD 1] 111-11

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	62	119.2	5	9.9	10	13.8	13	17.1	10	14.4	8	12.7	10	15.0	13	18.6	9		140	220.7
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other				4.7		6.6		4.3		4.0		3.7		4.2		4.8				32.3
Interim Contractor Support																				
<b>Installation of Hardware</b>																				
FY 2006 & Prior Equip -- 62 Kits	10	0.2	24	0.5	24	0.5	4	0.1											62	1.3
FY 2007 Equip -- 5 Kits									5	0.1									5	0.1
FY 2008 Equip -- 10 Kits									7	0.2	3	0.1							10	0.3
FY 2009 Equip -- 13 Kits											9	0.2	4	0.1					13	0.3
FY 2010 Equip -- 10 Kits													8	0.2	2	0.1			10	0.3
FY 2011 Equip -- 8 Kits															4	0.1	4		8	0.1
FY 2012 Equip -- 10 Kits																	10		10	
FY 2013 Equip -- 13 Kits																	13		13	
TC Equip- 9 Kits																	9		9	
<b>Total Installment</b>	10	0.2	24	0.5	24	0.5	4	0.1	12	0.3	12	0.3	12	0.3	6	0.2	36	0.0	140	2.4
<b>Total Procurement Cost</b>		119.4		15.1		20.9		21.5		18.7		16.7		19.5		23.6		0.0		255.4

**INDIVIDUAL MODIFICATION**

Date: February 2007

MODIFICATION TITLE: Mode 5 IFF Kit [MOD 2] 111-13

MODELS OF SYSTEM AFFECTED:

DESCRIPTION / JUSTIFICATION:

This program supports integration of Mode 5 Identification Friend or Foe (IFF) capability into the Sentinel system to replace the current Mode 4 capability. Mode 5 is required since Mode 4 (currently used on Sentinel) is being phased out. Incorporation of Mode 5 into the Sentinel system is critical to retain the cooperative target identification capability and Sentinel effectiveness on the current/future battlefield, allowing Sentinel to remain operationally effective in Air Defense operations and Homeland Defense. Mode 5 provides improvements over Mode 4 in crypto sensitivity, range performance, probability of identification, expanded reply data including position reports, elimination of garbling of replies from closely spaced aircraft, Friend from Foe identification capability, lethal interrogation capability, reduced interference with Civil Air Traffic Control systems, and selective interrogation capability. Mode 5 IFF buy/delivery schedule has been adjusted to reduce production spikes and stay with in budget.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Development started 2nd Quarter FY06 and will be completed 4th Quarter FY09. First production buy is scheduled for 2nd Quarter FY10. Installation of Mode 5 IFF kits will be accomplished at the same time as ETRAC system and Joint ID kits are installed. Remaining kits will begin retrofit in FY20 after the Sentinel fleet completes the installation of ETRAC System/Joint ID kits.

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																		2	2	2
Outputs																				
	FY 2012				FY 2013				FY 2014				FY 2015				To	Totals		
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Complete			
Inputs	2	2	2	2	2	5	5	5	5	6	6	6	7	12	12	13	42	140		
Outputs	6			6		6				6		6		6		6	98	140		

METHOD OF IMPLEMENTATION: Contractor Facility ADMINISTRATIVE LEADTIME: 3 months PRODUCTION LEADTIME: 15 months  
 Contract Dates: FY 2008 - FY 2009 - FY 2010 - Jan 10  
 Delivery Dates: FY 2008 - FY 2009 - FY 2010 - Mar 11

**INDIVIDUAL MODIFICATION**

Date: February 2007

MODIFICATION TITLE (cont): Mode 5 IFF Kit [MOD 2] 111-13

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									8	0.6	8	0.6	20	1.5	25	2.0	79		140	4.7
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other									0.4		0.2		0.5		0.6					1.7
Interim Contractor Support																				
<b>Installation of Hardware</b>																				
FY 2006 & Prior Equip -- 0 Kits																				
FY 2007 Equip -- 0 Kits																				
FY 2008 Equip -- 0 Kits																				
FY 2009 Equip -- 0 Kits																				
FY 2010 Equip -- 8 Kits													8	0.2					8	0.2
FY 2011 Equip -- 8 Kits													4	0.1	4	0.1			8	0.2
FY 2012 Equip -- 20 Kits															2	0.1	18		20	0.1
FY 2013 Equip -- 25 Kits																	25		25	
TC Equip -- 79 Kits																	79		79	
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	12	0.3	6	0.2	122	0.0	140	0.5
Total Procurement Cost		0.0		0.0		0.0		0.0		1.0		0.8		2.3		2.8		0.0		6.9

**INDIVIDUAL MODIFICATION**

Date: February 2007

MODIFICATION TITLE: Joint Identification Kit [MOD 3] 111-12

MODELS OF SYSTEM AFFECTED:

DESCRIPTION / JUSTIFICATION:

Joint ID technology modification provides cruise missile and unmanned aerial vehicle target alerting and ID capability to 1) enable SLAMRAAM to meet its range and effectiveness requirements against the cruise missile threat and 2) to support Sentinel's role as a key Army component of the Joint Single Integrated Air Picture. In addition, Joint ID supports Beyond Visual Range Engagements for SHORAD and reduces fratricide. This mod meets the Sentinel Operational Requirements Document (ORD) requirement to integrate emerging identification technologies by leveraging Joint target identification techniques currently being developed and fielded by the Air Force and Navy. Joint ID supports transformation of Sentinel from Legacy to Objective System and provides the Future Air and Missile Defense (AMD) force Block One Unit of Action (UA) capability in accordance with the Chief of staff of the Army's timeline. Joint ID Mod Kits buy and delivery schedule has been adjusted to reduce production spikes and stay with in budget. Joint ID production will leverage off of on-going Lower Tier Project Office (LTPO) procurement.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Development started 2nd Quarter FY06 and will be completed by 4th Quarter FY08. First Production buy is scheduled for 2nd Quarter FY09. Installation of Joint ID kits will be accomplished at the same time as ETRAC system kits are installed. Remaining kits will begin retrofit in FY17 after the Sentinel fleet completes the installation of ETRAC System kits.

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														2	3	3	3	2	2	2
Outputs																			6	

  

	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	2	2	2	2	1	2	2	3	3	3	3	4	4	3	3	3	81	140
Outputs	6			6		6				6		6		6		6	92	140

METHOD OF IMPLEMENTATION: Contractor Facility ADMINISTRATIVE LEADTIME: 3 months PRODUCTION LEADTIME: 15 months  
 Contract Dates: FY 2008 - FY 2009 - Jan 09 FY 2010 - Jan 10  
 Delivery Dates: FY 2008 - FY 2009 - Mar 10 FY 2010 - Mar 11

**INDIVIDUAL MODIFICATION**

Date: February 2007

MODIFICATION TITLE (cont): Joint Identification Kit [MOD 3] 111-12

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							11	9.7	8	7.2	7	6.5	10	9.4	14	13.5	90		140	46.3
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other							2.2		1.3		1.2		1.5		1.7					7.9
Interim Contractor Support																				
<b>Installation of Hardware</b>																				
FY 2006 & Prior Equip -- 0 Kits																				
FY 2007 Equip -- 0 Kits																				
FY 2008 Equip -- 0 Kits																				
FY 2009 Equip -- 11 Kits											6	0.1	5	0.1					11	0.2
FY 2010 Equip -- 8 Kits													7	0.2	1	0.0			8	0.2
FY 2011 Equip -- 7 Kits															5	0.1		2	7	0.1
FY 2012 Equip -- 10 Kits																		10	10	
FY 2013 Equip -- 14 Kits																		14	14	
TC Equip -- 90 Kits																		90	90	
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6	0.1	12	0.3	6	0.1	116	0.0	140	0.5
Total Procurement Cost		0.0		0.0		0.0		11.9		8.5		7.8		11.2		15.3		0.0		54.7

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

Date: February 2007

Appropriation / Budget Activity / Serial No: P-1 Item Nomenclature  
 Other Procurement, Army / 2 / Communications and Electronics Equipment 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	71763	130063	87735	77952	84487	67095	76776	72829	12713	Continuing	Continuing
Gross Cost	2283.9	539.9	326.2	278.6	359.5	472.2	494.0	462.9	136.3	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc PI	2283.9	539.9	326.2	278.6	359.5	472.2	494.0	462.9	136.3	Continuing	Continuing
Initial Spares											
Total Proc Cost	2283.9	539.9	326.2	278.6	359.5	472.2	494.0	462.9	136.3	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Continuing	Continuing

**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 (TPIAL). The aiming light output is visible only when used with a night vision goggle, such as the AN/PVS-14. Additionally, this line includes funding for the Small Tactical Optical Rifle Mounted Micro-Laser Range Finder (STORM MLRF). STORM provides a visible aiming light used for alignment, crowd control, and MOUT operations.  
 (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 increases the user's mobility in moderate rain, snow, or fog, either day or night, and in battlefield 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) B53800 - Laser Target Locator System. is an integrated, eyesafe laser rangefinder with Compass/Vertical Angle Measurement and digital data display. Current funding will support the procurement of Laser Target Locating Systems.  
 (5) 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.

**Justification:**  
 FY2008 and FY 2009 funds will continue procurement of AN/PVS-14, ENVG, AN/PEQ-2A, STORM, Thermal Sights for the Long Range Sniper Rifle, Laser Target Locating Systems and AN/VAS-5 DVE systems.  
 FY06/07 totals include supplemental funding of \$398.3 million and \$160.5 million respectively, to support the global war on terrorism (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: NIGHT VISION DEVICES (KA3500)			Weapon System Type:			Date: February 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
Helmet Mounted Enhanced Vision Device		281404			231553			231419			321917		
Multi-functional Aiming Light		49010			29838			29274			21690		
Night Vision, Driver's Vision Enhancer		27080			42868			3000					
Night Vision, Sniper Night Sight		8070			18174			14948			15893		
Laser Target Locator System		174346			3801								
<b>Total:</b>		<b>539910</b>			<b>326234</b>			<b>278641</b>			<b>359500</b>		

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

Date: February 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	15077	5319	44								20440
Gross Cost	287.4	174.3	8.9			27.6	26.8	68.2			593.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	287.4	174.3	8.9			27.6	26.8	68.2			593.4
Initial Spares											
Total Proc Cost	287.4	174.3	8.9			27.6	26.8	68.2			593.4
Flyaway U/C											
Weapon System Proc U/C	0.0	0.0	0.2								0.3

**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 digitally transmits the data to a Global Positioning System (GPS) receiver for calculation of target grid coordinates. The GPS receiver can be either internal or external to the LTLS. LTLS also digitally transmits data to fire support C4I systems for digital transmission of call for fire. These systems also employ both external or internal image intensification or thermal night sights, which provide the Soldier a distinct advantage during battlefield situations.

**Justification:**

No funds in FY2008 and FY 2009.

<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: February 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													
VECTOR 21		8683	442	19.645	1984	101	19.644						
MARK VII		103479	3595	28.784									
MARK VII/E		57963	834	69.500									
Project Management Admin		1670			1357								
Engineering Support		160			95								
Fielding		2292			156								
Testing		13			75								
ECO		86			33								
Integrated Logistics Support					101								
<b>Total:</b>		<b>174346</b>			<b>3801</b>								

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

Date:  
February 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>VECTOR 21</b>										
FY 2006	Ashbury, Int'l Group Sterling, VA	C/IDIQ	RMAC	Jan 06	Apr 06	442	19	Yes		
FY 2007	Ashbury, Int'l Group Sterling, VA	C/IDIQ	RMAC	Dec 06	Mar 07	101	19	Yes		
<b>MARK VII</b>										
FY 2006	Northrop Grumman (Mark VII) Apopka, FL	C/IDIQ	RMAC	Apr 06	Oct 08	3595	29	Yes		
<b>MARK VII/E</b>										
FY 2006	Northrop Grumman (Mark VII/E) Apopka, FL	C/IDIQ	RMAC	Jan 06	Aug 07	843	70	Yes		

REMARKS:

<b>FY 06 / 07 BUDGET PRODUCTION SCHEDULE</b>												P-1 ITEM NOMENCLATURE Laser Target Locator Systems (B53800)										Date: February 2007			
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	------------------------	--	--	--

COST ELEMENTS						Fiscal Year 06												Fiscal Year 07												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 06												Calendar Year 07												
						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	

MARK VII/E																														
3	FY 06	A	843	0	843					A																		20	25	798

VECTOR 21																															
1	FY 06	A	442	0	442					A				50	100																0
1	FY 07	A	101	0	101																										0

MARK VII																															
2	FY 06	A	3595	0	3595									A																3595	
Total																															
			4981		4981									50	100																4393

						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 MFR production lead times vary based on the MFR's business base.
		MIN	1-8-5	MAX	D+			Prior 1 Oct	After 1 Oct			
		1	2	3	Initial			Reorder	Initial	Reorder	Initial	
1	Ashbury, Int'l Group, Sterling, VA		200	500	120	1	Initial	6	5	6	11	
							Reorder	1	3	6	9	
2	Northrop Grumman (Mark VII), Apopka, FL	50	80	300	120	2	Initial	6	5	19	24	
							Reorder	1	3	6	9	
3	Northrop Grumman (Mark VII/E), Apopka, FL	10	75	150	120	3	Initial	6	5	18	23	
							Reorder	1	3	6	9	
							Initial					
							Reorder					
							Initial					
							Reorder					



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

Date: February 2007

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

P-1 Item Nomenclature  
DRIVER VISION ENHANCER (DVE) (K31300)

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	2266	1777	680							Continuing	Continuing
Gross Cost	47.7	27.1	42.9	3.0						Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	47.7	27.1	42.9	3.0						Continuing	Continuing
Initial Spares											
Total Proc Cost	47.7	27.1	42.9	3.0						Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C	0.0	0.0	0.1							Continuing	Continuing

**Description:**

The Driver's Vision Enhancer (DVE) is an uncooled thermal imaging system developed for use on combat and tactical wheeled vehicles. The DVE allows for tactical movement of combat vehicles in support of their operational missions in all environmental conditions (day/night and all weather). DVE facilitates rapid mobility providing enhanced driving capability during limited visibility conditions (darkness, smoke, dust, fog) enabling rapid combat operations and rapid movement/turn-around-time of supplies to forward deployed units. Addressing these mobility requirements increases the combat effectiveness of military forces.

**Justification:**

FY2008 provides for program management and engineering support required to support fieldings from prior years procurement.

<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: DRIVER VISION ENHANCER (DVE) (K31300)			Weapon System Type:			Date: February 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/VAS-5 Driver's Vision Enhancer (DVE)	A	17810	1777	10	6672	680	10						
Ancillary Equipment		6935			22561								
Program Management Admin		509			1149			750					
Engineering Support		1527			3448			2250					
Engineering Change Orders					800								
Testing													
Fielding		299			8238								
<b>Total:</b>		<b>27080</b>			<b>42868</b>			<b>3000</b>					



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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: DRIVER VISION ENHANCER (DVE) (K31300)							
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/VAS-5 Driver's Vision Enhancer (DVE)</b>										
FY 2006	DRS Melbourne, FL	C/FPM3-3	CECOM	Nov 05	Sep 06	233	10	Yes		
FY 2006	DRS Melbourne, FL	C/FPM3-3	CECOM	Feb 06	Dec 07	760	10	Yes		
FY 2006	DRS Melbourne, FL	C/FPM3-3	CECOM	Jul 06	May 07	259	10	Yes		
FY 2006	DRS Melbourne, FL	C/FPM3-3	CECOM	Sep 06	Jul 07	525	10	Yes		
FY 2007	DRS Melbourne, FL	C/FPM3-4	CECOM	Nov 06	Sep 07	680	10	Yes		

REMARKS:

<b>FY 05 / 06 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE DRIVER VISION ENHANCER (DVE) (K31300)	Date: February 2007
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COST ELEMENTS						Fiscal Year 05												Fiscal Year 06												Later
MFR	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 05												Calendar Year 06												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

AN/VAS-5 Driver's Vision Enhancer (DVE)																																	
1	FY 06	A	233	0	233																							20	213				
1	FY 06	A	760	0	760																								760				
2	FY 06	A	259	0	259																								259				
2	FY 06	A	525	0	525																								525				
3	FY 07	A	680	0	680																								680				
3	FY 06	OTH	3383	0	3383																							58	62	62	62	3139	
4	FY 07	OTH	1681	0	1681																									1681			
			7521		7521																								58	62	62	82	7257
						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	DRS, Melbourne, FL	50	400	435		1	Initial	0	1	10	11	- OTHER is comprised of Stryker, M56, Abrams, Combat Systems, FMS, and USMC funded requirements.  - Manufacturers 1 through 4 were used to display varying lead times.  - Awards for OTHER in FY06 represents actual multiple awards during the fiscal year. Deliveries are aggregates for each of these awards and each delivery schedule is for twelve months or less, however the aggregate delivery schedule appears longer than the twelve month delivery period.
						1	Reorder	0	4	10	14	
2	DRS, Melbourne, FL	50	400	435		2	Initial	0	9	10	19	
						2	Reorder	0	11	10	21	
3	DRS, Melbourne, FL	50	400	435		3	Initial	0	2	10	12	
						3	Reorder	0	0	0	0	
4	DRS, Melbourne, FL	50	400	435		4	Initial	0	5	4	9	
						4	Reorder	0	1	10	11	
							Initial					
							Reorder					

<b>FY 07 / 08 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE DRIVER VISION ENHANCER (DVE) (K31300)	Date: February 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	

AN/VAS-5 Driver's Vision Enhancer (DVE)																																
1	FY 06	A	233	20	213	20	20	20	20	19	19	19	19	19	19													0				
1	FY 06	A	760	0	760			63	63	63	63	63	63	63	64	64	64	64										0				
2	FY 06	A	259	0	259									2	2	2	2	20	33	33	33	33	33	33	33			0				
2	FY 06	A	525	0	525									43	43	43	44	44	44	44	44	44	44	44	44	44		0				
3	FY 07	A	680	0	680		A										56	56	56	56	57	57	57	57	57	57	57	0				
3	FY 06	OTH	3383	244	3139	62	62	69	56	56	56	99	247	253	251	256	273	234	234	190	191	184	184	178	4		0					
4	FY 07	OTH	1681	0	1681	A										72	115	140	140	140	142	142	142	142	175	142	128	35	26	0		
Total						7521	264	7257	82	82	152	139	138	138	181	331	337	378	456	571	571	571	463	467	460	460	454	280	243	185	92	26

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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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								
1	DRS, Melbourne, FL	50	400	435		1	Initial	0	1	10	11	- OTHER is comprised of Stryker, M56, Abrams, Combat Systems, FMS, and USMC funded requirements.  - Manufacturers 1 through 4 were used to display varying lead times.  - Awards for OTHER in FY06 represents actual multiple awards during the fiscal year. Deliveries are aggregates for each of these awards and each delivery schedule is for twelve months or less, however the aggregate delivery schedule appears longer than the twelve month delivery period.
							Reorder	0	4	10	14	
2	DRS, Melbourne, FL	50	400	435		2	Initial	0	9	10	19	
							Reorder	0	11	10	21	
3	DRS, Melbourne, FL	50	400	435		3	Initial	0	2	10	12	
							Reorder	0	0	0	0	
4	DRS, Melbourne, FL	50	400	435		4	Initial	0	5	4	9	
							Reorder	0	1	10	11	
							Initial					
							Reorder					

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

Date: February 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	132395	43494	23955	23650	16164	15881	11429	3379	524	Continuing	Continuing
Gross Cost	132.6	49.0	62.0	29.3	21.7	22.3	18.7	45.2	7.0	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	132.6	49.0	62.0	29.3	21.7	22.3	18.7	45.2	7.0	Continuing	Continuing
Initial Spares											
Total Proc Cost	132.6	49.0	62.0	29.3	21.7	22.3	18.7	45.2	7.0	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Continuing	Continuing

**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). The Small Tactical Optical Rifle Mounted (STORM) micro-Laser Range Finder (mLRF)(AN/PSQ-23) provides capability similar to the AN/PEQ-2A plus a visible aim laser for use in crowd control, Military Operations on Urbanized Terrain (MOUT) operations and daylight; and a digital magnetic compass and laser range finder for determination of far target location. The AN/PSQ-23 provides Soldiers with a responsive means of addressing targets within the range of organic direct fire and indirect fire weapon systems.

**Justification:**

FY2008 and FY 2009 procure 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: February 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
TPIAL (PEQ-2A)		A	14561	24110	0.604	11614	19832	0.586	10810	13512	0.800	7862	9828	0.800
ATPIAL (PEQ-15)			24249	33115	0.732	11744	15999	0.734	16214	20268	0.800	11793	14741	0.800
STORM (AN/PSQ-23)			5960	440	13.545									
Program Management Support			1397			2035			1596			1280		
Fielding						375			255			320		
Engineering Change Orders (ECO)			638			455			156			182		
Testing			253			315			243			253		
Laser Borelights			1952											
Hand Held Tactical Flashlights						3300								
<b>Total:</b>			<b>49010</b>			<b>29838</b>			<b>29274</b>			<b>21690</b>		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: Multi-Function Aiming Light (K35000)								
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>TPIAL (PEQ-2A)</b>										
FY 2006	Insight Technology (PEQ-2A) Londonderry, NH	C/FP	RMAC	Mar 06	Apr 06	14110	0.604	Yes		
FY 2006	Insight Technology (PEQ-2A) Londonderry, NH	C/FP	RMAC	Jul 06	Aug 06	10000	0.604	Yes		
FY 2007	Insight Technology (PEQ-2A) Londonderry, NH	C/FP	RMAC	Nov 06	Dec 06	19832	0.586	Yes		
FY 2008	Insight Technology (PEQ-2A) Londonderry, NH	C/FP	RMAC	Nov 07	Dec 07	13512	0.800	Yes		
FY 2009	Insight Technology (PEQ-2A) Londonderry, NH	C/FP	RMAC	Nov 08	Dec 08	9828	0.800	Yes		
<b>ATPIAL (PEQ-15)</b>										
FY 2006	Insight Technology (ATPIAL) Londonderry, NH	C/FP	RMAC	Oct 05	Jun 06	13275	0.732	Yes		
FY 2006	Insight Technology (ATPIAL) Londonderry, NH	C/FP	RMAC	Aug 06	Jan 07	19840	0.732	Yes		
FY 2007	Insight Technology (ATPIAL) Londonderry, NH	C/FP	RMAC	Nov 06	Nov 07	15999	0.734	Yes		
FY 2008	Insight Technology (ATPIAL) Londonderry, NH	C/FP	RMAC	Nov 07	Nov 08	20268	0.800	Yes		
FY 2009	Insight Technology (ATPIAL) Londonderry, NH	C/FP	RMAC	Nov 08	Nov 09	14741	0.800	Yes		
<b>STORM (AN/PSQ-23)</b>										
FY 2006	Insight Technology (STORM) Londonderry, NH	C/FP	WSMR	Jun 06	Jan 07	440	13.545	Yes		

REMARKS:

<b>FY 06 / 07 BUDGET PRODUCTION SCHEDULE</b>												P-1 ITEM NOMENCLATURE Multi-Function Aiming Light (K35000)										Date: February 2007			
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COST ELEMENTS						Fiscal Year 06												Fiscal Year 07												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 06												Calendar Year 07												
						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	

TPIAL (PEQ-2A)																													
1	FY 06	A	14110	0	14110																								0
1	FY 06	A	10000	0	10000																								0
1	FY 07	A	19832	0	19832																								0
1	FY 08	A	13512	0	13512																								13512
1	FY 09	A	9828	0	9828																								9828

ATPIAL (PEQ-15)																													
3	FY 06	A	13275	0	13275	A																							0
3	FY 06	A	19840	0	19840																								3715
3	FY 07	A	15999	0	15999																								15999
3	FY 08	A	20268	0	20268																								20268
3	FY 09	A	14741	0	14741																								14741

STORM (AN/PSQ-23)																													
2	FY 06	A	440	0	440																								0
			151845		151845																								78063

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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M F R	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS Lead time and delivery schedule will vary based on MFR production requirements.
		MIN	1-8-5	MAX	Prior 1 Oct			After 1 Oct				
				1								
1	Insight Technology (PEQ-2A), Londonderry, NH	250	900	5000	120	1	Initial	6	6	1	7	
							Reorder	1	1	1	2	
2	Insight Technology (STORM), Londonderry, NH	8	50	125	120	2	Initial	6	6	7	13	
							Reorder	1	1	7	8	
3	Insight Technology (ATPIAL), Londonderry, NH	250	900	5000	120	3	Initial	6	6	8	14	
							Reorder	1	1	5	6	
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>															P-1 ITEM NOMENCLATURE Multi-Function Aiming Light (K35000)										Date: February 2007				
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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							

TPIAL (PEQ-2A)																												
1	FY 06	A	14110	14110																								0
1	FY 06	A	10000	10000																								0
1	FY 07	A	19832	19832																								0
1	FY 08	A	13512	0	13512		A	1126	1126	1126	1126	1126	1126	1126	1126	1126											0	
1	FY 09	A	9828	0	9828												A	1126	1126	1126	1126	1126	1126	1126	1126	1126	820	0

ATPIAL (PEQ-15)																													
3	FY 06	A	13275	13275																								0	
3	FY 06	A	19840	16125	3715	2000	1715																					0	
3	FY 07	A	15999	0	15999		285	2000	2000	2000	2500	2500	2500	2214														0	
3	FY 08	A	20268	0	20268		A								1689	1689	1689	1689	1689	1689	1689	1689	1689	1689	1689	1689		0	
3	FY 09	A	14741	0	14741												A									1228	1228	1228	11057

STORM (AN/PSQ-23)																														
2	FY 06	A	440	440																								0		
Total			151845	73782	78063	2000	2000	3126	3126	3126	3626	3626	3626	3340	2815	2815	2815	2815	2815	2815	2815	2815	2815	2815	2815	2815	2354	2048	1228	11057
						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	Insight Technology (PEQ-2A), Londonderry, NH	250	900	5000	120	1	Initial	6	6	
							Reorder	1	1	1	2	
2	Insight Technology (STORM), Londonderry, NH	8	50	125	120	2	Initial	6	6	7	13	
							Reorder	1	1	7	8	
3	Insight Technology (ATPIAL), Londonderry, NH	250	900	5000	120	3	Initial	6	6	8	14	
							Reorder	1	1	5	6	
							Initial					
							Reorder					
							Initial					
							Reorder					



<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE Multi-Function Aiming Light (K35000)	Date: February 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			
TPIAL (PEQ-2A)																																
1	FY 06	A	14110	14110																									0			
1	FY 06	A	10000	10000																									0			
1	FY 07	A	19832	19832																									0			
1	FY 08	A	13512	13512																									0			
1	FY 09	A	9828	9828																									0			
ATPIAL (PEQ-15)																																
3	FY 06	A	13275	13275																									0			
3	FY 06	A	19840	19840																									0			
3	FY 07	A	15999	15999																									0			
3	FY 08	A	20268	20268																									0			
3	FY 09	A	14741	3684	11057	1228	1228	1228	1228	1228	1228	1228	1233																0			
STORM (AN/PSQ-23)																																
2	FY 06	A	440	440																									0			
Total																																
			151845	140788	11057	1228	1228	1228	1228	1228	1228	1228	1233																			
						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				
									Initial			
1	Insight Technology (PEQ-2A), Londonderry, NH	250	900	5000	120	1	6	6	1	7		
2	Insight Technology (STORM), Londonderry, NH	8	50	125	120	2	6	6	7	13		
3	Insight Technology (ATPIAL), Londonderry, NH	250	900	5000	120	3	6	6	8	14		
							1	1	5	6		

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

Date: February 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	266799	78868	61290	53372	67343	50629	64775	68201	11043	Continuing	Continuing
Gross Cost	1379.7	281.4	170.0	231.4	321.9	408.1	435.3	324.1	108.8	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	1379.7	281.4	170.0	231.4	321.9	408.1	435.3	324.1	108.8	Continuing	Continuing
Initial Spares											
Total Proc Cost	1379.7	281.4	170.0	231.4	321.9	408.1	435.3	324.1	108.8	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Continuing	Continuing

**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. ENVG will provide the ability to maintain battlefield dominance and to win the close-in fight with individual combatant overmatch, by allowing for operations under all visibility conditions and across the full spectrum of conflict and battlefield environments. Both systems support the Army's modularity initiative, which reorganizes our current capabilities in order to meet the combatant commander's mission requirement.

**Justification:**

FY2008 and FY 2009 procure a mixture of AN/PVS-14s and ENVGs. The AN/PVS-14s will fulfill night vision equipment shortages to Army Reserve and National Guard Units. The AN/PVS-14s will also provide the Stryker force the capability to dominate night operations by increasing situational awareness, mobility, and lethality during times of low light and night. The ENVGs will be fielded to Special Operators and other first to fight 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: Helmet Mounted Enhanced Vision Devices (K36400)			Weapon System Type:			Date: February 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	A	258932	75185	3.444	223231	78337	2.850	131252	44100	2.976	161763	48781	3.316
ENVG		10643	1005	10.590				73462	9081	8.090	112702	15029	7.499
Engineering Support		300			3172			11544			22059		
Project Management Admin		3878			1147			3848			7352		
Fielding		1885			891			8649			13997		
Testing		77			512			528			2044		
Contractor Logistics Support		689						2136			2000		
Mini IR Mx-2		5000			2600								
<b>Total:</b>		<b>281404</b>			<b>231553</b>			<b>231419</b>			<b>321917</b>		

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

Date:  
February 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</b>										
FY 2006	ITT ROANOKE, VA	C/IDIQ	WSMR	Jan 06	Sep 06	12334	3	Yes		
FY 2006	ITT ROANOKE, VA	C/IDIQ	WSMR	Feb 06	Dec 06	12971	3	Yes		
FY 2006	ITT ROANOKE, VA	C/IDIQ	WSMR	Jun 06	Jun 07	2046	3	Yes		
FY 2006	ITT ROANOKE, VA	C/IDIQ	WSMR	Jul 06	Jun 07	26240	3	Yes		
FY 2006	Northrop Grumman TEMPE, AZ	C/IDIQ	WSMR	Dec 05	Apr 07	6042	3	Yes		
FY 2006	Northrop Grumman TEMPE, AZ	C/IDIQ	WSMR	Mar 06	Jun 07	6169	3	Yes		
FY 2006	Northrop Grumman TEMPE, AZ	C/IDIQ	WSMR	Jun 06	Jul 07	1443	3	Yes		
FY 2006	Northrop Grumman TEMPE, AZ	C/IDIQ	WSMR	Jul 06	Sep 07	7756	3	Yes		
FY 2007	ITT ROANOKE, VA	C/IDIQ	RMAC	Nov 06	Jan 08	58022	3	Yes		
FY 2007	Northrop Grumman TEMPE, AZ	C/IDIQ	RMAC	Nov 06	Oct 07	16661	3	Yes		
FY 2007	ITT ROANOKE, VA	C/IDIQ	RMAC	Jul 07	Sep 08	2171	3	Yes		
FY 2007	Northrop Grumman TEMPE, AZ	C/IDIQ	RMAC	Jul 07	Jan 08	1483	3	Yes		
FY 2008	ITT ROANOKE, VA	C/IDIQ	RMAC	Dec 07	Nov 09	30751	3	Yes		
FY 2008	Northrop Grumman TEMPE, AZ	C/IDIQ	RMAC	Dec 07	Jan 09	13349	3	Yes		
FY 2009	ITT ROANOKE, VA	C/IDIQ	RMAC	Dec 08	Dec 09	29649	3	Yes		
FY 2009	Northrop Grumman TEMPE, AZ	C/IDIQ	RMAC	Dec 08	Dec 09	19132	3	Yes		
<b>ENVG</b>										
FY 2006	ITT	C/IDIQ	RMAC	Jan 06	Jan 07	1005	11	Yes		

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

Date:  
February 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
FY 2008	ROANOKE, VA ITT ROANOKE, VA		C/IDIQ	RMAC	Dec 07	Jan 09	9081	8	Yes		
FY 2009	ITT ROANOKE, VA		C/IDIQ	RMAC	Dec 08	Jan 10	15029	8	Yes		

REMARKS:

<b>FY 06 / 07 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE Helmet Mounted Enhanced Vision Devices (K36400)	Date: February 2007
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COST ELEMENTS						Fiscal Year 06														Fiscal Year 07														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 06														Calendar Year 07														
						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					

AN/PVS-14																																					
1	FY 06	A	12334	0	12334					A									1200	1300	1300	1300	2200	700							1584	1584	1166	0			
1	FY 06	A	12971	0	12971						A											200	200	300	1000	1000	1000	1000	1000	1000	1000	2000	4271				
1	FY 06	A	26240	0	26240										A													397	397	396	285	24765					
1	FY 06	A	2046	0	2046									A																170	170	170	170	1366			
2	FY 06	A	6042	0	6042					A																				1503	2300	2239		0			
2	FY 06	A	6169	0	6169									A																	361	2130	2130	1548	0		
2	FY 06	A	1443	0	1443										A																	78	78	129	1158		
2	FY 06	A	7756	0	7756											A																		458	7298		
1	FY 06	ANG	3025	0	3025										A																	200	200	200	200	2225	
2	FY 06	ANG	2110	0	2110											A																	109	109	182	1710	
1	FY 06	AR	282	0	282											A																			282		
1	FY 06	MC	14067	0	14067											A																	193	193	194	194	13293
1	FY 06	MC	262	0	262												A																		262		
1	FY 07	A	58022	0	58022																														58022		
2	FY 07	A	16661	0	16661																														16661		
						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	Prior 1 Oct				After 1 Oct
1	ITT, ROANOKE, VA	550	1600	7400	120	1	Initial	4	3	14	17		
							Reorder	1	4	14	18		
2	Northrop Grumman, TEMPE, AZ	400	1250	5400	120	2	Initial	4	3	11	14		
							Reorder	1	0	6	6		
							Initial						
							Reorder						
							Initial						
							Reorder						
							Initial						
							Reorder						

**FY 06 / 07 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
Helmet Mounted Enhanced Vision Devices (K36400)

Date:  
February 2007

**COST ELEMENTS**

**Fiscal Year 06**

**Fiscal Year 07**

M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 06													Calendar Year 07													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											
1	FY 07	A	2171	0	2171																																	A		2171
2	FY 07	A	1483	0	1483																																	A		1483
1	FY 08	A	30751	0	30751																																			30751
2	FY 08	A	13349	0	13349																																			13349
1	FY 09	A	29649	0	29649																																			29649
2	FY 09	A	19132	0	19132																																			19132

PSQ20 (ENVG)

1	FY 06	A	1005	0	1005						A																												1005
1	FY 08	A	9081	0	9081																																		9081
1	FY 09	A	15029	0	15029																																		15029
Total			291080		291080													1200	1300	1300	1500	2400	1000	1000	2503	3300	4560	5861	5861	6332							252963		

						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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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	ITT, ROANOKE, VA	550	1600	7400	120	1	Initial	4	3	14	17
							Reorder	1	4	14	18
2	Northrop Grumman, TEMPE, AZ	400	1250	5400	120	2	Initial	4	3	11	14
							Reorder	1	0	6	6
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE Helmet Mounted Enhanced Vision Devices (K36400)	Date: February 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	

AN/PVS-14																																				
1	FY 06	A	12334	12334																															0	
1	FY 06	A	2046	680	1366	170	170	171	171	171	171	171																							0	
1	FY 06	A	12971	8700	4271	2200	2071																												0	
1	FY 06	A	26240	1475	24765	1464	1964	2715	3725	3725	3724	3724	3724																						0	
2	FY 06	A	6042	6042																																0
2	FY 06	A	6169	6169																																0
2	FY 06	A	1443	285	1158	129	129	129	129	129	128	128	128																						0	
2	FY 06	A	7756	458	7298	664	664	664	664	663	663	663	663	663	663																				0	
1	FY 06	ANG	3025	800	2225	263	263	263	263	263	263	384																							0	
2	FY 06	ANG	2110	400	1710	190	190	190	190	190	190	190	190																						0	
1	FY 06	AR	282	0	282			23	23	23	23	23	23	23	23	24	25	26																	0	
1	FY 06	MC	14067	774	13293	1383	1444	1671	1759	1759	1759	1759	1759																						0	
1	FY 06	MC	262	0	262								16	17	17	17	17	17	17	16	16	16	16	16	16	16	16	16	16	16	16	16	16	0		
1	FY 07	A	58022	0	58022			909	693	627	635	646	5770	5423	5480	5119	4902	4977	5210	5261	5361	5309	1700											0		
2	FY 07	A	16661	0	4	1271	771	684	685	685	702	702	702	822	1422	1184	1772	1772	1772	1715															-16657	
						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			2	Prior 1 Oct				After 1 Oct
									Initial				Reorder
1	ITT, ROANOKE, VA	550	1600	7400	120	1	4	3	14	17			
2	Northrop Grumman, TEMPE, AZ	400	1250	5400	120	2	4	3	11	14			
							1	0	6	6			



**FY 08 / 09 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
Helmet Mounted Enhanced Vision Devices (K36400)

Date: February 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					
1	FY 07	A	2171	0	2171											180	181	181	181	181	181	181	181	181	181	181	181	181	0					
2	FY 07	A	1483	0	1483				121	121	121	121	121	121	121	121	121	122	151										0					
1	FY 08	A	30751	0	30751				A																				30751					
2	FY 08	A	13349	0	13349				A												1117	1117	1117	1117	1117	1117	1117	1117	3296					
1	FY 09	A	29649	0	29649																								29649					
2	FY 09	A	19132	0	19132																								19132					
PSQ20 (ENVG)																																		
1	FY 06	A	1005	0	1005				70	75	80	80	80	85	85	90	90	90	90	90									0					
1	FY 08	A	9081	0	9081			A													757	757	757	757	757	757	757	757	2268					
1	FY 09	A	15029	0	15029																								15029					
Total						291080	38117	236306	7734	7666	6510	8709	8498	8452	8459	8591	7818	7754	7578	7323	7108	7185	7364	7332	7432	7380	3771	2071	2071	2071	2071	1890	83468	
						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	1			Prior 1 Oct	After 1 Oct			
								Initial	Reorder			
1	ITT, ROANOKE, VA	550	1600	7400	120	1	4	3	14	17		
							1	4	14	18		
2	Northrop Grumman, TEMPE, AZ	400	1250	5400	120	2	4	3	11	14		
							1	0	6	6		

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE Helmet Mounted Enhanced Vision Devices (K36400)	Date: February 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			

AN/PVS-14																																					
1	FY 06	A	12334	12334																																0	
1	FY 06	A	26240	26240																																0	
1	FY 06	A	12971	12971																																0	
1	FY 06	A	2046	2046																																0	
2	FY 06	A	6042	6042																																0	
2	FY 06	A	6169	6169																																0	
2	FY 06	A	1443	1443																																0	
2	FY 06	A	7756	7756																																0	
1	FY 06	ANG	3025	3025																																0	
2	FY 06	ANG	2110	2110																																0	
1	FY 06	AR	282	282																																0	
1	FY 06	MC	14067	14067																																0	
1	FY 06	MC	262	262																																0	
1	FY 07	A	58022	58022																																0	
2	FY 07	A	16661	16661																																0	

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	ITT, ROANOKE, VA	550	1600	7400	120	1	4	3	14	17			
							1	4	14	18			
2	Northrop Grumman, TEMPE, AZ	400	1250	5400	120	2	4	3	11	14			
							1	0	6	6			

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE Helmet Mounted Enhanced Vision Devices (K36400)	Date: February 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	
1	FY 07	A	2171	2171																										0
2	FY 07	A	1483	1483																										0
1	FY 08	A	30751	0	30751		3030	2773	2772	2772	2772	2772	2772	2772	2772														0	
2	FY 08	A	13349	10053	3296	1117	1117	1062																						0
1	FY 09	A	29649	0	29649			2696	2696	2696	2696	2695	2695	2695	2695	2695	2695												0	
2	FY 09	A	19132	0	19132			1300	1625	1625	1625	1625	1625	1625	1625	1625	1625	1582											0	
PSQ20 (ENVG)																														
1	FY 06	A	1005	1005																									0	
1	FY 08	A	9081	6813	2268	756	756	756																					0	
1	FY 09	A	15029	0	15029				1253	1253	1253	1253	1253	1252	1252	1252	1252	1252	1252										0	
Total			291080	190955	100125	1873	4903	8587	8346	8346	8346	8345	8345	8344	8344	8344	8344	5572	2834	1252										
						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	Initial	Reorder	
1	ITT, ROANOKE, VA	550	1600	7400	120	1	Initial	4	3	14	17	
							Reorder	1	4	14	18	
2	Northrop Grumman, TEMPE, AZ	400	1250	5400	120	2	Initial	4	3	11	14	
							Reorder	1	0	6	6	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

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

Date: February 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	62178	1130	1318	930	980	585	572	1249	1146	Continuing	Continuing
Gross Cost	207.1	8.1	42.5	14.9	15.9	14.3	13.1	25.5	20.5	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	207.1	8.1	42.5	14.9	15.9	14.3	13.1	25.5	20.5		361.9
Initial Spares											
Total Proc Cost	207.1	8.1	42.5	14.9	15.9	14.3	13.1	25.5	20.5	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Continuing	Continuing

**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. Without the night sight, the sniper will not have the capability to engage and eliminate threat snipers, materiel, and thin skinned armored vehicle targets under low light conditions. The night sight 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.

**Justification:**

FY2008 and FY 2009 procure night sights to mount on the .50 cal Long Range Sniper Rifle (LRSR) being fielded to the United States Army Active, Reserves, and National Guard Sniper teams.

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
Night Sight Hardware (LRSNS)		7644	663	11.529	8316	693	12.000	8544	712	12.000	8544	712	12.000
AN/PVS-10					6588	345	19.096	3269	143	22.860	4016	169	23.763
Program Management Admin		426			945			1196			1271		
Interim Contract Support					181			149			159		
Fielding					1784			1495			1589		
ECP					250			205			218		
Testing					110			90			96		
<b>Total:</b>		<b>8070</b>			<b>18174</b>			<b>14948</b>			<b>15893</b>		

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

Date:  
February 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: SNIPER NIGHT SIGHT (K41500)						
<b>Night Sight Hardware (LRSNS)</b>										
FY 2006	BAE Lexington, MA	C/FP	CECOM	Mar 06	Mar 07	663	12	Yes		
FY 2007	DRS Melbourne, FL	C/FP	CECOM	Nov 06	Dec 07	693	12	Yes		
FY 2008	TBD TBD	C/FP	RMAC	Dec 08	Dec 08	712	12	Yes		
FY 2009	TBD TBD	C/FP	RMAC	Dec 09	Dec 09	712	12	Yes		
<b>AN/PVS-10</b>										
FY 2007	Northrop Grumman Garland, TX	SS/FP	RMAC	Apr 07	Apr 08	345	19	Yes		
FY 2008	Northrop Grumman Garland, TX	SS/FP	RMAC	Dec 07	Dec 08	143	23	Yes		
FY 2009	Northrop Grumman Garland, TX	SS/FP	RMAC	Dec 08	Dec 09	169	24	Yes		

REMARKS:

<b>FY 06 / 07 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE SNIPER NIGHT SIGHT (K41500)	Date: February 2007
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COST ELEMENTS						Fiscal Year 06												Fiscal Year 07												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 06												Calendar Year 07												
						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	

Night Sight Hardware (LRSNS)																												
1	FY 06	A	663	0	663																							278
2	FY 07	A	693	0	693														A									693
3	FY 08	A	712	0	712																							712
3	FY 09	A	712	0	712																							712

PVS-10 SNS																												
4	FY 07	A	345	0	345																							345
4	FY 08	A	143	0	143																							143
4	FY 09	A	169	0	169																							169
Total			3437		3437																							3052

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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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			After 1 Oct				
1	BAE, Lexington, MA	250	711	1800	210	1	Initial	4	5	12	17	This program uses the TWS production line for the procurement of Long Range Sniper Night Sights (LRSNS).
							Reorder	1	3	10	13	
2	DRS, Melbourne, FL	250	1050	1700	210	2	Initial	4	1	13	14	
3	TBD, TBD	250	1163	2000	210		Reorder	1	3	12	15	
4	Northrop Grumman, Garland, TX	25	125	150	120	3	Initial	4	3	12	15	
							Reorder	1	3	12	15	
						4	Initial	6	6	12	18	
							Reorder	1	3	12	15	
							Initial					
							Reorder					

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE SNIPER NIGHT SIGHT (K41500)	Date: February 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			
Night Sight Hardware (LRSNS)																																
1	FY 06	A	663	385	278	55	55	55	55	58																		0				
2	FY 07	A	693	0	693			57	57	57	57	57	57	57	57	57	61	62										0				
3	FY 08	A	712	0	712			A											60	60	59	59	59	59	59	59	59	120				
3	FY 09	A	712	0	712														A									712				
PVS-10 SNS																																
4	FY 07	A	345	0	345						29	29	29	29	29	29	29	29	29	29	28	28	28					0				
4	FY 08	A	143	0	143			A											12	12	12	12	12	12	12	12	12	23				
4	FY 09	A	169	0	169																							169				
Total						3437	385	3052	55	55	112	112	115	57	86	86	86	86	86	90	91	101	100	99	99	71	71	71	71	71	71	1024
						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							
1	BAE, Lexington, MA	250	711	1800	210	1	Initial	4	5	12	17	
							Reorder	1	3	10	13	
2	DRS, Melbourne, FL	250	1050	1700	210	2	Initial	4	1	13	14	
							Reorder	1	3	12	15	
3	TBD, TBD	250	1163	2000	210							
4	Northrop Grumman, Garland, TX	25	125	150	120	3	Initial	4	3	12	15	
							Reorder	1	3	12	15	
						4	Initial	6	6	12	18	
							Reorder	1	3	12	15	
							Initial					
							Reorder					



<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE SNIPER NIGHT SIGHT (K41500)	Date: February 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			
Night Sight Hardware (LRSNS)																																
1	FY 06	A	663	663																									0			
2	FY 07	A	693	693																									0			
3	FY 08	A	712	592	120	60	60																						0			
3	FY 09	A	712	0	712			60	60	60	60	59	59	59	59	59	59	59	59	59										0		
PVS-10 SNS																																
4	FY 07	A	345	345																										0		
4	FY 08	A	143	120	23	12	11																							0		
4	FY 09	A	169	0	169			15	14	14	14	14	14	14	14	14	14	14	14											0		
Total																																
			3437	2413	1024	72	71	75	74	74	74	73	73	73	73	73	73	73	73													
						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	Initial	4	5			12	17			
1	BAE, Lexington, MA	250	711	1800	210	1	Initial	4	5	12	17	
							Reorder	1	3	10	13	
2	DRS, Melbourne, FL	250	1050	1700	210	2	Initial	4	1	13	14	
							Reorder	1	3	12	15	
3	TBD, TBD	250	1163	2000	210							
4	Northrop Grumman, Garland, TX	25	125	150	120	3	Initial	4	3	12	15	
							Reorder	1	3	12	15	
						4	Initial	6	6	12	18	
							Reorder	1	3	12	15	
							Initial					
							Reorder					

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

Date: February 2007

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

P-1 Item Nomenclature  
LONG RANGE ADVANCED SCOUT SURVEILLANCE SYSTEM (K38300)

Program Elements for Code B Items: Code: Other Related Program Elements:  
0604710 DL74

	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty	653	216	379	259	247	178	178	102			2212
Gross Cost	331.1	122.0	178.9	130.0	131.2	105.5	106.5	65.5			1170.7
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	331.1	122.0	178.9	130.0	131.2	105.5	106.5	65.5			1170.7
Initial Spares											
Total Proc Cost	331.1	122.0	178.9	130.0	131.2	105.5	106.5	65.5			1170.7
Flyaway U/C											
Weapon System Proc U/C	0.5	0.6	0.5	0.5	0.5	0.6	0.6	0.6			4.4

**Description:**

The Long Range Advanced Scout Surveillance System (LRAS3) is a long range reconnaissance and surveillance system which operates in both a stationary vehicle mounted configuration and in an autonomous dismounted configuration. The LRAS3 is a multi-function, line-of-sight target acquisition common sensor suite which provides real-time target detection, recognition, and identification capability 24 hours a day in all weather conditions. LRAS3 also automatically determines Far Target Location (FTL) coordinates for any target ranged to by the operator. LRAS3 enables information superiority by interfacing with Force XXI Battle Command Brigade and Below (FBCB2) to provide target acquisition and FTL information. LRAS3 utilizes the Horizontal Technology Integration (HTI) Second Generation FLIR (SGF) thermal sensor, enabling 24 hour a day operation in adverse weather and penetration of battlefield obscuration. LRAS3 significantly increases the survivability of forces through its standoff capability, allowing them to continue their mission as the eyes of the maneuver commander on the battlefield. The LRAS3 program is one of the top priority systems of the US Army Armor Center and other Training and Doctrine Command (TRADOC) components that support the Transformation Force (Stryker Brigade Combat Team (SBCT)). Without LRAS3, US Army reconnaissance, surveillance, and target acquisition elements do not have the necessary equipment to perform target acquisition and FTL functions around-the-clock and with sufficient performance capability to enable them to remain outside enemy engagement ranges. The LRAS3 is a key enabling technology for the SBCT and has been a critical combat overmatch capability for the Army units in combat in Iraq.

**Justification:**

FY2008 and FY 2009 procure LRAS3s that will be fielded to the 1st Cavalry Division, 10th Mountain Division, and five (5) Army National Guard (ARNG) Brigade Combat Teams (BCTs).

FY06 total includes supplemental funding of \$87.2 million to support the global war on terrorism (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: LONG RANGE ADVANCED SCOUT SURVEILLANCE SYSTEM (K38300)			Weapon System Type:			Date: February 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
K38300 LRAS3	A	83928	216	389	145277	379	383	101328	259	391	102937	247	417
Installation Equipment													
Engineering Support		3945			3263			3432			3482		
Project Management Admin		1315			1138			1144			1161		
Engineering Change Orders		3473			2562			2837			2879		
Testing		779			1331			1218			1235		
Fielding		6131			5079			4081			3973		
Initial Spares		22470			20223			15911			15533		
<b>Total</b>		<b>122041</b>			<b>178873</b>			<b>129951</b>			<b>131200</b>		
<b>Total:</b>		<b>122041</b>			<b>178873</b>			<b>129951</b>			<b>131200</b>		

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

Date:  
February 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: LONG RANGE ADVANCED SCOUT SURVEILLANCE SYSTEM (K38300)							
<b>K38300 LRAS3</b> FY 2006	Raytheon Systems Co. McKinney, TX	C/FPM4-4	CECOM	Dec 05	Feb 07	216	389	Yes		
FY 2007	Raytheon Systems Co. McKinney, TX	SS/FPM5-1	CECOM	Apr 07	Jun 08	379	383	Yes		
FY 2008	Raytheon Systems Co. McKinney, TX	SS/FPM5-2	CECOM	Dec 07	Jun 09	259	391	Yes		
FY 2009	Raytheon Systems Co. McKinney, TX	SS/FPM5-3	CECOM	Dec 08	Jun 10	247	417	Yes		

REMARKS:

**FY 06 / 07 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
LONG RANGE ADVANCED SCOUT SURVEILLANCE SYSTEM  
(K38300)

Date: February 2007

**COST ELEMENTS**

Fiscal Year 06

Fiscal Year 07

M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 06												Calendar Year 07								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

K38300 LRAS3

1	FY 06	A	216	0	216																												22		30								28		7		30		30		30		39		
2	FY 07	A	379	0	379																																							A									379		
3	FY 08	A	259	0	259																																																	259	
4	FY 09	A	247	0	247																																																	247	
1	FY 06	OTH	160	0	160																																																		108
2	FY 07	OTH	108	0	108																																																		108
Total			1369		1369																																																		1140

	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 Systems Co., McKinney, TX	5			30	35	1	Initial	
	Raytheon Systems Co., McKinney, TX	5	30	35	2	Reorder	0	2	14	16	
2	Raytheon Systems Co., McKinney, TX	5	30	35	2	Initial	0	6	14	20	
	Raytheon Systems Co., McKinney, TX	5	30	35	3	Reorder	0	5	14	19	
3	Raytheon Systems Co., McKinney, TX	5	30	35	3	Initial	0	2	18	20	
					4	Reorder	0	4	14	18	
					4	Initial	0	2	18	20	
						Reorder	0	4	15	19	

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE LONG RANGE ADVANCED SCOUT SURVEILLANCE SYSTEM (K38300)	Date: February 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		
K38300 LRAS3																															
1	FY 06	A	216	177	39	9				14	16																	0			
2	FY 07	A	379	0	379									26	35	35	35	35	35	35	35	25	24	24				0			
3	FY 08	A	259	0	259			A																22	22	22	22	171			
4	FY 09	A	247	0	247														A								247				
1	FY 06	OTH	160	52	108	21	30	30	16	1	10																0				
2	FY 07	OTH	108	0	108					13	20	31	35	9													0				
Total						1369	229	1140	30	30	30	30	30	30	31	35	35	35	35	35	35	35	35	25	24	24	22	22	22	22	418
						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				Prior 1 Oct	After 1 Oct
1	Raytheon Systems Co., McKinney, TX	5	30	35		1	Initial	0	2	14	16	REMARKS OTH - Other customer funded efforts include SBCT RV, SBCT FSV, and Knight. Manufacturer 1 was used to display varying lead times. Awards in FY06 for Army and Other represent actual multiple awards during the fiscal year. Deliveries are aggregates for each of these awards and each delivery schedule is for twelve months or less, however the aggregate delivery schedule appears to be longer than the twelve month delivery period.	
						2	Reorder	0	2	14	16		
2	Raytheon Systems Co., McKinney, TX	5	30	35		2	Initial	0	6	14	20		
						3	Reorder	0	5	14	19		
3	Raytheon Systems Co., McKinney, TX	5	30	35		3	Initial	0	2	18	20		
						4	Reorder	0	4	14	18		
4	Raytheon Systems Co., McKinney, TX	5	30	35		4	Initial	0	2	18	20		
							Reorder	0	4	15	19		

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE LONG RANGE ADVANCED SCOUT SURVEILLANCE SYSTEM (K38300)	Date: February 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	
K38300 LRAS3																														
	1	FY 06	A	216	216																								0	
	2	FY 07	A	379	379																								0	
	3	FY 08	A	259	88	171	22	22	22	21	21	21	21																0	
	4	FY 09	A	247	0	247								21	21	21	21	21	21	20	20	20	20	20					0	
	1	FY 06	OTH	160	160																								0	
	2	FY 07	OTH	108	108																								0	
Total						1369	951	418	22	22	22	21	21	21	21	21	21	21	21	21	20	20	20	20	20					
						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				Prior 1 Oct	After 1 Oct
	1	Raytheon Systems Co., McKinney, TX	5	30	35		1	Initial	0	2	14	16	REMARKS OTH - Other customer funded efforts include SBCT RV, SBCT FSV, and Knight. Manufacturer 1 was used to display varying lead times. Awards in FY06 for Army and Other represent actual multiple awards during the fiscal year. Deliveries are aggregates for each of these awards and each delivery schedule is for twelve months or less, however the aggregate delivery schedule appears to be longer than the twelve month delivery period.
								Reorder	0	2	14	16	
	2	Raytheon Systems Co., McKinney, TX	5	30	35		2	Initial	0	6	14	20	
								Reorder	0	5	14	19	
	3	Raytheon Systems Co., McKinney, TX	5	30	35		3	Initial	0	2	18	20	
								Reorder	0	4	14	18	
	4	Raytheon Systems Co., McKinney, TX	5	30	35		4	Initial	0	2	18	20	
								Reorder	0	4	15	19	
								Initial					
								Reorder					

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

Date: February 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										Continuing	Continuing
Gross Cost	648.7	180.8	208.7	230.6	209.6	182.2	186.5	81.6	70.0	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	648.7	180.8	208.7	230.6	209.6	182.2	186.5	81.6	70.0	Continuing	Continuing
Initial Spares											
Total Proc Cost	648.7	180.8	208.7	230.6	209.6	182.2	186.5	81.6	70.0	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**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 satisfies an immediate capability gap providing thermal imagery for the individual Soldier and is poised to capitalize on advances in technology providing revolutionary enhancements for the Future Force in all operating environments. TWS upholds the Army Future Force tenets of lethality, mobility, and survivability while emphasizing the "Soldier as a System."

**Justification:**

FY2008 and FY2009 procure TWS systems for fielding to units deploying to support Operation Iraqi Freedom(OIF), Global War on Terrorism (GWOT), and Modularity requirements.

FY06 total includes supplemental funding of \$110.2 million to support the global war on terrorism (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: NIGHT VISION, THERMAL WPN SIGHT (K22900)			Weapon System Type:			Date: February 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/PAS-13 Thermal Weapon Sight (TWS)													
AN/PAS-13 TWS Heavy	A	73127	7286	10.037	66165	5878	11.256	57133	4700	12.156	67529	5500	12.278
AN/PAS-13 TWS Medium		46096	5043	9.141	60915	5880	10.360	52588	4700	11.189	62156	5500	11.301
AN/PAS-13 TWS Light		47292	8090	5.846	41565	5883	7.065	34762	4556	7.630	37967	4927	7.706
Government Engineering Support		1346			1418			1355			1572		
Project Management Admin		3393			5116			7224			8382		
Fielding/Ancillary Support Items		5587			15123			13546			15927		
Contractor Engineering Support		1548			1888			833			968		
Interim Contractor Support					5486			8127			9430		
Testing		2367			7637			50000			1445		
ECP					3382			5039			4191		
<b>Total:</b>		<b>180756</b>			<b>208695</b>			<b>230607</b>			<b>209567</b>		

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

Date:  
February 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 2006	BAE Lexington, MA	C/FP	CECOM	Jan 06	Dec 06	4411	10	Yes		
FY 2006	BAE Lexington, MA	C/FP	CECOM	Mar 06	Sep 07	8514	10	Yes		
FY 2006	DRS Optronics Melbourne, FL	C/FP	CECOM	Mar 06	Jan 07	2547	10	Yes		
FY 2006	DRS Optronics Melbourne, FL	C/FP	CECOM	May 06	Mar 07	534	10	Yes		
FY 2006	DRS Optronics Melbourne, FL	C/FP	CECOM	Jul 06	Feb 07	4383	10	Yes		
FY 2006	DRS Optronics Melbourne, FL	C/FP	CECOM	Aug 06	Aug 07	30	10	Yes		
FY 2007	BAE Lexington, MA	C/FP	CECOM	Nov 06	Apr 08	7203	10	Yes		
FY 2007	DRS Optronics Melbourne, FL	C/FP	CECOM	Nov 06	Sep 07	2982	10	Yes		
FY 2007	DRS Optronics Melbourne, FL	C/FP	CECOM	Dec 06	Nov 07	6412	10	Yes		
FY 2007	TBD TBD	C/FP	RMAC	Jun 07	Nov 08	1044	11	Yes		
FY 2008	TBD TBD	C/FP	RMAC	Dec 07	Dec 08	13956	11	Yes		
FY 2009	TBD TBD	C/FP	RMAC	Dec 08	Dec 09	15927	11	Yes		

REMARKS:

<b>FY 06 / 07 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE NIGHT VISION, THERMAL WPN SIGHT (K22900)	Date: February 2007
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COST ELEMENTS						Fiscal Year 06														Fiscal Year 07														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 06														Calendar Year 07																	
						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								
2	FY 06	A	2547	0	2547						A										212	212	212	212	212	212	212	212	212	212	212	212	212	212	639		
1	FY 06	A	4411	0	4411				A												367	367	367	367	367	367	367	367	367	367	367	367	367	367	741		
1	FY 06	A	8514	0	8514						A																								709	7805	
2	FY 06	A	534	0	534									A																					226		
2	FY 06	A	4383	0	4383										A																					1463	
2	FY 06	A	30	0	30											A																			0		
2	FY 06	MC	916	0	916						A																									232	
2	FY 06	MC	334	0	334											A																				334	
2	FY 06	MC	2845	0	2845												A																			2845	
2	FY 07	A	2982	0	2982																															248	2734
1	FY 07	A	7203	0	7203																															7203	
3	FY 07	A	1044	0	1044																															1044	
2	FY 07	A	6412	0	6412																															6412	
2	FY 07	MC	1568	0	1568																																1208
3	FY 08	A	13956	0	13956																																13956
3	FY 09	A	15927	0	15927																																15927

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	3				Initial	Reorder
1	BAE, Lexington, MA	250	711	1800	210	1	Initial	4	3	10	13			
							Reorder	1	3	10	13			
2	DRS Optronics, Melbourne, FL	250	1050	1700	210	2	Initial	4	3	10	13			
							Reorder	1	3	10	13			
							Initial	4	3	10	13			
							Reorder	1	3	10	13			
							Initial							
							Reorder							
							Initial							
							Reorder							



FY 08 / 09 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE  
NIGHT VISION, THERMAL WPN SIGHT (K22900)

Date:  
February 2007

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									
						2	FY 06	A	2547	1908	639	213	213	213																								
1	FY 06	A	4411	3670	741	370	371																															0
1	FY 06	A	8514	709	7805	709	709	709	709	709	709	709	709	709	709	709	709	709	709	709	709	709	709	709	709	709	709	709	709	709	709	709	709	709	709	709	709	0
2	FY 06	A	534	308	226	45	45	45	45	46																												0
2	FY 06	A	4383	2920	1463	365	365	366	367																													0
2	FY 06	A	30	30																																	0	
2	FY 06	MC	916	684	232	76	78	78																													0	
2	FY 06	MC	334	0	334			55	55	55	55	55	59																								0	
2	FY 06	MC	2845	0	2845			189	189	189	189	189	189	189	189	189	189	189	189	189	189	189	189	189	189	189	189	194	194							0		
2	FY 07	A	2982	248	2734	248	248	248	248	248	248	248	248	248	248	248	254																			0		
1	FY 07	A	7203	0	7203							1029	1029	1029	1029	1029	1029	1029	1029																		0	
3	FY 07	A	1044	0	1044																	1044															0	
2	FY 07	A	6412	0	6412		400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	406	406												0		
2	FY 07	MC	1568	360	1208	120	120	120	120	120	120	120	120	120	128																						0	
3	FY 08	A	13956	0	13956				A													1163	1163	1163	1163	1163	1163	1163	1163	1163	1163	1163	1163	1163	1163	1163	2326	
3	FY 09	A	15927	0	15927																																15927	
						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	BAE, Lexington, MA	250	711	1800	210	1	Initial	4	3	
							Reorder	1	3	10	13	
2	DRS Optronics, Melbourne, FL	250	1050	1700	210	2	Initial	4	3	10	13	
							Reorder	1	3	10	13	
3	TBD, TBD	250	1163	2000	210	3	Initial	4	3	10	13	
							Reorder	1	3	10	13	
							Initial					
							Reorder					
							Initial					
							Reorder					

**FY 08 / 09 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
NIGHT VISION, THERMAL WPN SIGHT (K22900)

Date: February 2007

COST ELEMENTS						Fiscal Year 08														Fiscal Year 09														Later
MFR	FY	SERV	PROC QTY Each	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					
Total			73606	10837	62769	2146	2549	2423	2133	1767	1721	2750	2754	2695	2703	2587	1618	1618	1633	1752	1763	1763	1163	1163	1163	1163	1163	1163	1163	1163	1163	18253		
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					

MFR	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX	Prior 1 Oct			After 1 Oct				
		1	BAE, Lexington, MA	250	711			1800	210	1	Initial	
							Reorder	1	3	10	13	
2	DRS Optronics, Melbourne, FL	250	1050	1700	210	2	Initial	4	3	10	13	
							Reorder	1	3	10	13	
3	TBD, TBD	250	1163	2000	210	3	Initial	4	3	10	13	
							Reorder	1	3	10	13	
							Initial					
							Reorder					
							Initial					
							Reorder					

**FY 10 / 11 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
NIGHT VISION, THERMAL WPN SIGHT (K22900)

Date: February 2007

COST ELEMENTS					Fiscal Year 10												Fiscal Year 11												Later	
MFR	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
2	FY 06	A	2547	2547																								0		
1	FY 06	A	4411	4411																								0		
1	FY 06	A	8514	8514																								0		
2	FY 06	A	534	534																								0		
2	FY 06	A	4383	4383																								0		
2	FY 06	A	30	30																								0		
2	FY 06	MC	916	916																								0		
2	FY 06	MC	334	334																								0		
2	FY 06	MC	2845	2845																								0		
2	FY 07	A	2982	2982																								0		
1	FY 07	A	7203	7203																								0		
3	FY 07	A	1044	1044																								0		
2	FY 07	A	6412	6412																								0		
2	FY 07	MC	1568	1568																								0		
3	FY 08	A	13956	11630	2326	1163	1163																					0		
3	FY 09	A	15927	0	15927			1327	1327	1327	1327	1327	1327	1327	1327	1327	1330										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	

MFR	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX	Prior 1 Oct			After 1 Oct				
1	BAE, Lexington, MA	250	711	1800	210	1	Initial	4	3	10	13	
							Reorder	1	3	10	13	
2	DRS Optronics, Melbourne, FL	250	1050	1700	210	2	Initial	4	3	10	13	
							Reorder	1	3	10	13	
3	TBD, TBD	250	1163	2000	210	3	Initial	4	3	10	13	
							Reorder	1	3	10	13	
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE NIGHT VISION, THERMAL WPN SIGHT (K22900)	Date: February 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																
Total			73606	55353	18253	1163	1163	1327	1327	1327	1327	1327	1327	1327	1327	1327	1330																												
						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	BAE, Lexington, MA	250	711	1800	210	1	Initial	4	3	10	13	
							Reorder	1	3	10	13	
2	DRS Optronics, Melbourne, FL	250	1050	1700	210	2	Initial	4	3	10	13	
							Reorder	1	3	10	13	
3	TBD, TBD	250	1163	2000	210	3	Initial	4	3	10	13	
							Reorder	1	3	10	13	
							Initial					
							Reorder					
							Initial					
							Reorder					



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

Date: February 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	70.1		4.4	3.5	3.5						81.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	70.1		4.4	3.5	3.5						81.4
Initial Spares											
Total Proc Cost	70.1		4.4	3.5	3.5						81.4
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 and FY09 funding procures total of 2,300 AN/VDR-2 Radiac meters and 238 AN/PDR-75 Radiac Sets.

<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: RADIATION MONITORING SYSTEMS (WC5200)			Weapon System Type:			Date: February 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
Radiac Set, AN/VDR-2						3375	1751	2	2462	1150	2	2497	1150	2
Radiac Set, AN/PDR--75						1018	128	8	1056	128	8	965	110	9
<b>Total:</b>						<b>4393</b>			<b>3518</b>			<b>3462</b>		

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

Date: February 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	24049										24049
Gross Cost	33.7		3.4	2.5	2.5						42.0
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	33.7		3.4	2.5	2.5						42.0
Initial Spares											
Total Proc Cost	33.7		3.4	2.5	2.5						42.0
Flyaway U/C											
Weapon System Proc U/C	0.0										0.0

**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:**

FY08 and FY09 funding procures 1150 AD/VDR-2 Radiac Sets respectively.

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
AN/VDR-2 Hardware					3374	1751	2	2300	1150	2	2300	1150	2
Engineering Support (Govt)					1			162			197		
Quality Assurance													
Acceptance Testing													
Total Package Fielding													
Initial Spares													
Update Technical Manuals													
<b>Total:</b>					<b>3375</b>			<b>2462</b>			<b>2497</b>		

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

Date:  
February 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>AN/VDR-2 Hardware</b>										
FY 2007	Canberra Dover Dover, NJ	C/FFP	CELCMC, FT Monmouth, NJ	Jan 07	Apr 07	1751	2	Yes		
FY 2008	Canberra Dover Dover, NJ	C/FFP	CELCMC, FT Monmouth, NJ	Jan 08	May 08	1150	2	yes		
FY 2009	Canberra Dover Dover, NJ	C/FFP	CELCMC, FT Monmouth, NJ	Jan 09	May 09	1150	2	yes		

REMARKS:

<b>FY 07 / 08 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE RADIAC SET, AN/VDR-2 (B43300)	Date: February 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	

AN/VDR-2 Radiac Sets																																				
1	FY 07	A	1751	0	1751				A					100	101	150	200	300	300	300	300												0			
2	FY 08	A	1150	0	1150																											100	100	150	200	600
3	FY 09	A	1150	0	1150																													1150		
Total																																				
			4051		4051									100	101	150	200	300	300	300	300											100	100	150	200	1750
						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			Initial	Reorder	Initial	Reorder		
1	Canberra Dover, Dover, NJ	100	600	2000		1	Initial	0	3	5	8	
							Reorder	0	2	5	0	
2	Canberra Dover, Dover, NJ	100	600	2000		2	Initial	0	3	5	8	
							Reorder	0	2	5	7	
3	Canberra Dover, Dover, NJ	100	600	2000		3	Initial	0	3	5	8	
							Reorder	0	2	5	7	
							Initial					
							Reorder					
							Initial					
							Reorder					

**FY 09 / 10 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
RADIAC SET, AN/VDR-2 (B43300)

Date: February 2007

**COST ELEMENTS**

**Fiscal Year 09**

**Fiscal Year 10**

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												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	
AN/VDR-2 Radiac Sets																														
1	FY 07	A	1751	1751																								0		
2	FY 08	A	1150	550	600	300	300																					0		
3	FY 09	A	1150	0	1150			A					100	100	150	200	300	300										0		
Total						4051	2301	1750	300	300						100	100	150	200	300	300									
						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	Initial	0	3		5
1	Canberra Dover, Dover, NJ	100	600	2000		1	Initial	0	3	5	8	
							Reorder	0	2	5	0	
2	Canberra Dover, Dover, NJ	100	600	2000		2	Initial	0	3	5	8	
							Reorder	0	2	5	7	
3	Canberra Dover, Dover, NJ	100	600	2000		3	Initial	0	3	5	8	
							Reorder	0	2	5	7	
							Initial					
							Reorder					
							Initial					
							Reorder					

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

Date: February 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	5913										5913
Gross Cost	36.4		1.0	1.1	1.0						39.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	36.4		1.0	1.1	1.0						39.4
Initial Spares											
Total Proc Cost	36.4		1.0	1.1	1.0						39.4
Flyaway U/C											
Weapon System Proc U/C	0.0										0.0

**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:**

FY08 and FY09 funding procures 128 and 110 AN/PDR-75 Radiac Sets respectively.



<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: February 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
AN-PDR-75 Hardware					849	128	7	900	128	7	800	110	7
Engineering Support (Govt)					169			156			165		
<b>Total:</b>					<b>1018</b>			<b>1056</b>			<b>965</b>		

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

Date:  
February 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/PDR-75() (B92400)							
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>AN-PDR-75 Hardware</b>										
FY 2007	Canberra Dover Dover, NJ	C/FFP	CELCMC, FT Monmouth, NJ	Dec 06	Jun 07	128	7	Yes		
FY 2008	Canberra Dover Dover, NJ	C/FFP	CELCMC, FT Monmouth, NJ	Dec 07	Jun 08	128	7	Yes		
FY 2009	Canberra Dover Dover, NJ	C/FFP	CELCMC, FT Monmouth, NJ	Dec 08	Jun 09	110	7	Yes		

REMARKS:

<b>FY 07 / 08 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE RADIAC SET: AN/PDR-75() (B92400)	Date: February 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	

AN-PDR-75 Hardware																																				
1	FY 07	A	128	0	128			A								10	20	20	20	20	20	18											0			
2	FY 08	A	128	0	128																			A								10	20	20	20	58
3	FY 09	A	110	0	110																															110
Total																																				
			366		366											10	20	20	20	20	20	18										10	20	20	20	168
						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	Initial	0			2	7	9			
1	Canberra Dover, Dover, NJ	10	100	400		1	Initial	0	2	7	9	
							Reorder	0	2	5	7	
2	Canberra Dover, Dover, NJ	10	100	400		2	Initial	0	2	7	9	
							Reorder	0	2	5	7	
3	Canberra Dover, Dover, NJ	10	100	400		3	Initial	0	2	7	9	
							Reorder	0	2	5	7	
							Initial					
							Reorder					
							Initial					
							Reorder					

**FY 09 / 10 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
RADIAC SET: AN/PDR-75() (B92400)

Date: February 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			

AN-PDR-75 Hardware																																	
1	FY 07	A	128	128																													0
2	FY 08	A	128	70	58	20	20	18																								0	
3	FY 09	A	110	0	110				A				10	20	20	20	20	20														0	
Total																																	
			366	198	168	20	20	18					10	20	20	20	20	20															
						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	TOTAL	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct	After 1 Oct	After 1 Oct		
								1	Initial	0		2
1	Canberra Dover, Dover, NJ	10	100	400		1	Initial	0	2	7	9	
							Reorder	0	2	5	7	
2	Canberra Dover, Dover, NJ	10	100	400		2	Initial	0	2	7	9	
							Reorder	0	2	5	7	
3	Canberra Dover, Dover, NJ	10	100	400		3	Initial	0	2	7	9	
							Reorder	0	2	5	7	
							Initial					
							Reorder					
							Initial					
							Reorder					

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

Date: February 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:

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	259.4	16.5	0.8								276.7
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	259.4	16.5	0.8								276.7
Initial Spares											
Total Proc Cost	259.4	16.5	0.8								276.7
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

Artillery Accuracy Equipment procures meteorological, survey and velocity measuring equipment designed to improve accuracy of Army artillery weapons and increase the probability of first round target hits. This category of equipment includes procurement of the Meteorological Measuring System(K27800), Artillery Muzzle Velocity System (AD3250) and Improved Position and Azimuth Determining System (M75700).

**Justification:**

FY06 total includes supplemental funding of \$15.5M for the Improved Position and Azimuth Determining System to support the global war on terrorism (GWOT).

FY08/09 has no funding.

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

Date: February 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:

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	571	98									669
Gross Cost	200.1	15.5	0.8								216.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	200.1	15.5	0.8								216.4
Initial Spares											
Total Proc Cost	200.1	15.5	0.8								216.4
Flyaway U/C											
Weapon System Proc U/C	0.4	0.2									0.5

**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:**

No procurement funding in FY 2008/2009.

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: February 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
1. Hardware		14692	98	150									
2. Engineering Support		100			190								
3. Logistics Support		100			100								
4. Total Package Fielding (TPF)		408			300								
5. Program Mgmt		200			209								
<b>Total:</b>		<b>15500</b>			<b>799</b>								

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

Date:  
February 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>1. Hardware</b> FY 2006	L3 Communications Budd Lake, NJ	C-FP	Rock Island, IL	Jul 06	Sep 07	98	150	yes	Nov 02	Dec 02

REMARKS:



**FY 07 / 08 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
POSITION AZIMUTH DETERMINING SYS (PADS) (M75700)

Date: February 2007

COST ELEMENTS						Fiscal Year 07										Fiscal Year 08										Later
MFR	FY	SERV	PROC QTY	ACCEP PRIOR	BAL DUE	Calendar Year 07										Calendar Year 08										
						TO 1 OCT	AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	

1. Hardware																																						
1	FY 06	A	98	0	98															7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	3	0		
Total			98		98															7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	3		

						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 This is a joint program with the USMC.
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
								1	Initial		
1	L3 Communications, Budd Lake, NJ	1	8	8			Initial	3	0	5	5
							Reorder	0	2	12	14
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				

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

Date: February 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	25	211	214	217	36						703
Gross Cost	7.0	6.4	7.4	7.6	2.6						31.0
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	7.0	6.4	7.4	7.6	2.6						31.0
Initial Spares											
Total Proc Cost	7.0	6.4	7.4	7.6	2.6						31.0
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:**

FY08/09 procures the 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.

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: February 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>													
EPIAFS		4224	211	20	5962	214	28	6193	217	28	1792	36	28
<b>SubTotal Hardware</b>		<b>4224</b>			<b>5962</b>			<b>6193</b>			<b>1792</b>		
<b>Production Support Costs</b>													
Production Engineering		1610			823			798			421		
Quality Assurance		159			198			201			149		
Acceptance Testing		125			428			380			234		
<b>SubTotal Prod. Support</b>		<b>1894</b>			<b>1449</b>			<b>1379</b>			<b>804</b>		
<b>COST - Nonrecurring</b>													
First Article Testing		290											
Fielding													
<b>SubTotal COST - Nonrecurring</b>		<b>290</b>											
<b>Hardware</b>													
<b>Total:</b>		<b>6408</b>			<b>7411</b>			<b>7572</b>			<b>2596</b>		

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

Date:  
February 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>EPIAFS</b>										
FY 2006	US Army Adelphi, Maryland	MIPR	ARDEC, Picatinny, NJ	Jul 06	Nov 06	83	20	Yes		Jun 05
FY 2006	TBS TBS	FFP	TBS	Jan 07	Sep 07	128	25	Yes		May 06
FY 2007	TBS TBS	Option	TBS	Sep 07	Feb 08	214	28	Yes		May 06
FY 2008	TBS TBS	Option	TBS	Mar 08	Aug 08	217	28	Yes		May 06
FY 2009	TBS TBS	Option	TBS	Sep 08	Feb 09	36	28	Yes		May 06

REMARKS:

**FY 06 / 07 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
ENHANCED PORTABLE INDUCTIVE ARTILLERY FUZE SETTER  
(AD3260)

Date: February 2007

COST ELEMENTS						Fiscal Year 06												Fiscal Year 07												Later
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 06												Calendar Year 07												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

EPIAFS

1	FY 06	A	83	0	83														18	5	10	10	10	10	10	10							0			
2	FY 06	A	128	0	128																	A													15	113
2	FY 07	A	214	0	214																												A		214	
2	FY 08	A	217	0	217																														217	
2	FY 09	A	36	0	36																														36	
<b>Total</b>			<b>678</b>		<b>678</b>															<b>18</b>	<b>5</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>15</b>	<b>580</b>				

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	US Army, Adelphi, Maryland	10	25	60	1	Initial	0	8	
						Reorder	0	4	2	6	
2	TBS, TBS	10	40	80	2	Initial	0	4	8	12	
						Reorder	0	1	5	6	
						Initial					
						Reorder					
						Initial					
						Reorder					
						Initial					
						Reorder					

**FY 08 / 09 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
 ENHANCED PORTABLE INDUCTIVE ARTILLERY FUZE SETTER  
 (AD3260)

Date: February 2007

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	
EPIAFS																														
1	FY 06	A	83	83																								0		
2	FY 06	A	128	15	113	20	25	25	25	18																		0		
2	FY 07	A	214	0	214					10	35	40	40	35	35	19												0		
2	FY 08	A	217	0	217						A				10	30	40	40	40	40	17							0		
2	FY 09	A	36	0	36											A					11	15	10					0		
Total						678	98	580	20	25	25	25	28	35	40	40	35	35	29	30	40	40	40	40	28	15	10			
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
		1	US Army, Adelphi, Maryland	10	25	60	1	Initial	0	8	
						Reorder	0	4	2	6	
2	TBS, TBS	10	40	80	2	Initial	0	4	8	12	
						Reorder	0	1	5	6	
						Initial					
						Reorder					
						Initial					
						Reorder					
						Initial					
						Reorder					

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

Date: February 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	35		6	6	8	8	14	5			82
Gross Cost	46.1	4.5	8.6	8.0	11.2	11.3	19.4	7.3			116.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	46.1	4.5	8.6	8.0	11.2	11.3	19.4	7.3			116.4
Initial Spares											
Total Proc Cost	46.1	4.5	8.6	8.0	11.2	11.3	19.4	7.3			116.4
Flyaway U/C											
Weapon System Proc U/C	1.3		1.4	1.3	1.4	1.4	1.4	1.5			9.7

**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:**

FY08/09 funds will procure and field six (6) and eight (8) Profiler, respectively to the Army GWOT or modularity priorities.

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: PROFILER (K27900)			Weapon System Type:			Date: February 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
Profiler Hardware - MMS-P					2760	6	460	2760	6	460	3680	8	460
Hardware - GFE					2118	6	353	2118	6	353	2824	8	353
Non-Recurring													
Project Management Admin		681			773			812			854		
Engineering Change Orders					144						243		
System Test & Evaluation		418			430			471			528		
Data					241			193			294		
Fielding/Transportation/NET/ICS		2118			1440			1142			1998		
Software		1241			678			504			779		
<b>Total:</b>		<b>4458</b>			<b>8584</b>			<b>8000</b>			<b>11200</b>		



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

Date:  
February 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: PROFILER (K27900)							
<b>Profiler Hardware - MMS-P</b>										
FY 2006	Smiths Detection Edgewood, MD	SS/FFP(O)	CECOM							
FY 2007	Smiths Detection Edgewood, MD	SS/FFP(O)	CECOM	Jan 07	Dec 07	6	460	Y	Sep 03	
FY 2008	Smiths Detection Edgewood, MD	SS/FFP(O)	CECOM	Nov 07	Sep 08	6	460	Y	Sep 03	
FY 2009	Smiths Detection Edgewood, MD	SS/FFP(O)	CECOM	Nov 08	Sep 09	8	460	Y	Sep 03	

REMARKS: MMS-P Unit Costs exclude Government Furnished Equipment (GFE).

<b>FY 07 / 08 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE PROFILER (K27900)	Date: February 2007
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COST ELEMENTS					Fiscal Year 07													Fiscal Year 08																	
MFR	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												Later				
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP						
Profiler Hardware - MMS-P																																			
1	FY 07	A	6	0	6					A																								0	
1	FY 08	A	8	0	8																														7
1	FY 09	A	8	0	8																														8
Total																																			
			22		22																														15

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	Smiths Detection, Edgewood, MD	1			2	4	1	Initial	
						Reorder	0	1	10	11	
						Initial					
						Reorder					
						Initial					
						Reorder					

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>													P-1 ITEM NOMENCLATURE PROFILER (K27900)										Date: February 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							
Profiler Hardware - MMS-P																																				
1	FY 07	A	6	6																																0
1	FY 08	A	8	1	7	1	1	1	1	1	1																								0	
1	FY 09	A	8	0	8		A										1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			0	
Total																																				
					1	1	1	1	1	1	1						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
					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	Smiths Detection, Edgewood, MD	1	2	4		1	Initial	0	3	11	14	
							Reorder	0	1	10	11	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

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

Date: February 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	554.3	125.2	25.6	41.5	16.5	3.1	3.1	3.1	3.2	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	554.3	125.2	25.6	41.5	16.5	3.1	3.1	3.1	3.2	Continuing	Continuing
Initial Spares											
Total Proc Cost	554.3	125.2	25.6	41.5	16.5	3.1	3.1	3.1	3.2	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**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:**  
 FY08/09 procures the following:  
 a. Procurement/integration of AN/TPQ-36(V)8 Radar Processor to resolve performance issues in clutter environment, resolve obsolescence issues and maintain radar supportability.  
 b. Integration of MILTOPE TSC 750-M Laptop Computer replacement for AN/TPQ-36(V)8 Lightweight Computer Unit (LCU) and AN/TPQ-37 Versatile Computer Unit (VCU) to maintain radar supportability.  
 d. Fielding of AN/TPQ-36(V)8 modification kits to enhance capabilities in range, false target rate, target throughput, target classification and displacement time and resolve obsolescence issues.  
 e. Fielding of Fire Support Digitization hardware/software required to upgrade AN/TPQ-37s to sustain Field Artillery Tactical Data System (FATDS) connectivity and provide Joint Technical Architecture-Army (JTA-A) compliance.  
 f. Procurement of required 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.

FY2006 includes supplemental funding of \$108.3 million to support the global war on terrorism (GWOT).

<b>Exhibit P-40M, Budget Item Justification Sheet</b>											Date: February 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:		
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		277.0	18.4	18.4	10.0	3.1	3.1	3.1	3.2	0.0	336.3	
AN/TPQ-37 Fire Support Digitization												
OSIP		21.6	0.8	1.0	0.8	0.0	0.0	0.0	0.0	0.0	24.2	
AN/TPQ-37 Reliability/Maintainability Improvements												
OSIP		17.8	6.4	22.1	5.7	0.0	0.0	0.0	0.0	0.0	52.0	
AN/TPQ-37(V)8 Block I Upgrade												
OSIP		59.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.8	
Totals		376.2	25.6	41.5	16.5	3.1	3.1	3.1	3.2	0.0	472.3	

INDIVIDUAL MODIFICATION																		Date: February 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																					
<p>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 incorporates an electronics upgrade to enhance capabilities in range, false target rate, target throughput, target classification and displacement time. It replaces electronic components rapidly approaching obsolescence with Common Hardware/Software (CHS) and/or Commercial Off-The-Shelf (COTS) equipment. The Army has procured 101 ea, AN/TPQ-36(V)8 shelters/modification kits. With the transition to modularity, the AN/TPQ-36(V)8 will be fielded one (1) per Unit of Action (UA) (Heavy and Light) and one (1) per Stryker Brigade Combat Team (SBCT).</p> <p>FY 2008 procures:            Installation of AN/TPQ-36(V)8 shelters/mod kits            Integration of MILTOPE TSC 750-M Laptop Computer replacement for the Lightweight Computer Unit (LCU)            Procurement of Radar Signal Processor</p> <p>*NOTE: Beginning in FY05, installation of the balance of modification kits is being done at Tobyhanna Army Depot (TYAD) as systems rotate in for RESET/Overhaul. No on-site installations are scheduled.</p>																					
<p>DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):            2QFY06 - Award contract for Radar Processor Redesign            3QFY06 - Delivery of first MILTOPE Replacement mod kit            4QFY06 - Award contract for 8 additional shelters/mod kits            2QFY07 - Award option for procurment of Radar Processors</p>																					
<b>Installation Schedule</b>																					
		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		88																			
Outputs		88																			
		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																				88	
Outputs																				88	
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: February 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 (V8 Shelters)	101																		101	
Equipment		142.4																		142.4
Equipment (Non-Recurring)		28.1																		28.1
Ancillary Hardware		18.8		1.2		0.5		0.1												20.6
RP Redesign/Procurement		12.7	40	12.7	40	12.6	25	6.8		0.4									105	45.2
MILTOPE Upgrade		10.1				0.2		0.2												10.5
Data		3.4																		3.4
Engineering/Test Support		18.4		2.5		2.5		1.8		0.4		0.4		0.4		0.4				26.8
Training Equipment		5.1																		5.1
CTS Upgrades																				
Pre-Mod Depot Maint		2.2		0.3		0.2		0.1		0.1		0.1		0.1		0.1				3.2
Hardware/Software Upgrades		0.9				1.5		0.4		1.6		2.1		2.1		2.2				10.8
PM Admin		11.7		0.8		0.7		0.5		0.5		0.4		0.4		0.4				15.4
Fielding Support		20.8		0.9		0.2		0.1		0.1		0.1		0.1		0.1				22.4
<b>Installation of Hardware</b>																				
FY 2005 & Prior Equip -- Kits	88	2.4																	88	2.4
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																				
<b>Total Installment</b>	88	2.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	88	2.4
<b>Total Procurement Cost</b>		277.0		18.4		18.4		10.0		3.1		3.1		3.1		3.2		0.0		336.3

**INDIVIDUAL MODIFICATION**

Date: February 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).

**FY 2008 procures:**

Installation of the Digital Upgrade kits and fielding to Active Army and National Guard units to meet modularity.  
Integration of MILTOPE TSC 750-M Laptop Computer replacement for AN//TPQ-37 Versatile Computer Unit (VCU)in the digitized fleet.

\*NOTE: Beginning in FY05, installation of the balance of kits is being done at Tobyhanna Army Depot (TYAD) as systems rotate in for RESET/Overhaul. No on-site installations are scheduled.

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

Procurement/integration of MILTOPE replacement for the VCU initiated in 2QFY06.  
Procured additional Digital Upgrade "A" & "B" Kits in 4QFY06.

**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	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: February 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	72																			72	
Installation Kits (Trailer/Shelter)		2.3																			2.3
Installation Kits, Nonrecurring																					
MILTOPE Upgrade		5.0																			5.0
Equipment, Nonrecurring		3.5																			3.5
Nonrecurring Engineering		1.1																			1.1
Fielding		0.6				0.3		0.3													1.2
Engineering Support/Testing		3.2		0.4		0.3		0.2													4.1
Software Upgrades		3.0																			3.0
Trainer		1.0																			1.0
PM Admin		0.9		0.2		0.2		0.1													1.4
Contractor Support		0.6		0.2		0.2		0.2													1.2
<b>Installation of Hardware</b>																					
FY 2005 & Prior Equip -- Kits	57	0.4																		57	0.4
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																					
<b>Total Installment</b>	57	0.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	57	0.4	
<b>Total Procurement Cost</b>		21.6		0.8		1.0		0.8		0.0		0.0		0.0		0.0		0.0			24.2

**INDIVIDUAL MODIFICATION**

Date: February 2007

MODIFICATION TITLE: AN/TPQ-37 Reliability/Maintainability Improvements [MOD 3] OSIP

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 design RP and 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 spares parts required to support the radar systems and therefore simplify logistics support.

FY08 funds procurement of required initial spares associated with the RP and transmitter.

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

Phase I contract awarded Sep 06.  
 Phase I completed - Dec 07  
 Phase II initiated - Dec 07  
 Phase II completed - Dec 10

**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	FY 2012			FY 2013			FY 2014			FY 2015			To Complete	Totals
	2	3	4	1	2	3	1	2	3	1	2	3		
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: February 2007

MODIFICATION TITLE (cont): AN/TPQ-37 Reliability/Maintainability Improvements [MOD 3] 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																				
Installation Kits, Nonrecurring																				
Equipment																				
Equipment, Nonrecurring		16.8		6.2																23.0
Testing		1.0																		1.0
Initial Spares					44	16.5	25	5.5											69	22.0
Non-Recurring Engineering						5.4														5.4
Engineering Support				0.2		0.2		0.2												0.6
Other																				
Interim Contractor Support																				
<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		17.8		6.4		22.1		5.7		0.0		0.0		0.0		0.0		0.0		52.0

**INDIVIDUAL MODIFICATION**

Date: February 2007

MODIFICATION TITLE: AN/TPQ-37(V)8 Block I Upgrade [MOD 4] OSIP

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

**DESCRIPTION / JUSTIFICATION:**  
 The AN/TPQ-37 is the primary target acquisition and counterfire radar for the Field Artillery. The AN/TPQ-37(V)8 incorporates mechanical upgrades to improve Reliability, Availability and Maintainability (RAM) by replacing the cooler and dehydrator. The(V)8 configuration also provides improved transportability with a roll-on/roll-off C-130 capability after removing the antenna from the trailer; mobility improvements via a tracked suspension system; and incorporation of the Modular Azimuth Positioning System (MAPS) for self survey capability. It also re-positions the Firefinder Operations Control shelter on a HMMWV.

Installation will be done on-site at Tobyhanna Army Depot (TYAD) as systems rotate in for RESET/Overhaul.

FY06 funds:  
 On-Site installation of the AN/TPQ-37(V)8 modification kits.  
 Procurement/integration of parts to upgrade twenty-two (22) additional systems to (V)8 configuration.

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):**  
 4QFY05 - Began on-site installation of AN/TPQ-37(V)8 upgrade.  
 3QFY05 - Funded TYAD to initiate twelve (12) Q-37 Upgrades to (V)8 configuration.  
 4QFY06 - Completed delivery of 12 upgrade kits.  
 4QFY06 - Funded TYAD to initiate additional twenty-two (22) Q37 Upgrades to (V)8 configuration.  
 3QFY07 - Complete delivery of 22 upgrade kits.

**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:** Depot      **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: February 2007

MODIFICATION TITLE (cont): AN/TPQ-37(V)8 Block I Upgrade [MOD 4] 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	43																			43	
Installation Kits																					
Installation Kits, Nonrecurring																					
Equipment		26.3																			26.3
Equipment, Nonrecurring																					
Ancillary Hardware		31.2																			31.2
Engineering Support		0.9																			0.9
Data																					
Testing																					
Fielding		0.9																			0.9
PM Admin		0.5																			0.5
Other																					
<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		59.8		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	59.8

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

Date: February 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	20356	9415	4434	4120	2365	2254	2065	2337	1255		48601
Gross Cost	735.7	283.3	159.7	176.0	125.7	121.7	90.7	90.6	71.9		1855.3
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	735.7	283.3	159.7	176.0	125.7	121.7	90.7	90.6	71.9		1855.3
Initial Spares											
Total Proc Cost	735.7	283.3	159.7	176.0	125.7	121.7	90.7	90.6	71.9		1855.3
Flyaway U/C											
Weapon System Proc U/C	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1		0.4

**Description:**  
 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. The system includes a Pentium based processor, display unit, keyboard and removable hard disk drive cartridge. FBCB2 supports situational awareness (Blue and Red force positions) and command and control down to the soldier/platform level across Battlefield Operating Systems (BOS) and echelons. FBCB2 is a key component of the Army Battle Command System (ABCS). FBCB2-Blue Force Tracking (BFT) is a part of the FBCB2 program, which built upon both the FBCB2 program and experience with the Enhanced Information System (EIS), also known as the Balkan Digitization Initiative (BDI) deployed in the Balkans. An L-Band transceiver employing commercial satellite services is used in lieu of tactical terrestrial radios. The FBCB2-BFT system is deployed in the Gulf region in support of Operation Enduring Freedom (OEF)/Operation Iraqi Freedom (OIF) and has remained with those in CONUS that have returned from OEF/OIF. FBCB2-BFT satisfies the operational needs of the warfighter by providing near real-time tracking capabilities for joint and coalition forces in the Central Command (CENTCOM) Area of Responsibility (AOR). FBCB2-BFT enhances effectiveness by providing automated tools to facilitate the battle command process. It enhances the ability for the soldiers to operate in an unpredictable and changing environment where units are Beyond Line of Sight (BLOS) within the battle space and across the spectrum of conflict by using multiple commercial satellites, which send the FBCB2-BFT data to a central processing facility known as the FBCB2 Operations Center.

**Justification:**  
 FY 2008 and FY 2009 procure FBCB2 systems to continue fielding to the Army's 1AD, III Corps and National Guards units to meet approved Army requirements, including Operation Enduring Freedom/Operation Iraqi Freedom (OEF/OIF) rotations, to include systems for Army Aviation, Abrams and Bradley. FY 2008 and FY 2009 funding will also procure Type I Encryption devices to provide communications security (COMSEC) for the FBCB2-BFT system.

FY06/07 totals include supplemental funding of \$154.9 million and \$80.0 million respectively, to support the global war on terrorism (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: FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2) (W61900)			Weapon System Type:			Date: February 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
Non Recurring Engineering													
<b>Total Non Recurring Engineering</b>													
<b>Force XXI Command Brigade and Below</b>													
HW Manufacturing - Ground		145162	8915	16	66829	3934	17	59803	3563	17	24792	1802	14
HW Manufacturing - Aviation		33699	500	67	34387	500	69	37342	557	67	38497	563	68
<b>Total Hardware</b>													
<b>System Engineering/Program Management</b>													
Government		24359			21868			23675			18368		
Contractor		4000			4084			5527			4185		
<b>Total Sys Engineering/Project Mgmt</b>													
Engineering Change Proposals		2955			820			863			374		
Test		1319			1347			1378			1407		
Training (Combat Training Center)		753			769			787			804		
Data		751			767			2493			883		
Support Equipment		3387			1419			1612			913		
Op Site Activation		3589			3595			2675			3000		
Fielding		17374			14555			10792			5000		
Software Support		8969			9157			9424			9623		
Computer Hardware Replacement		11990			92								
Engineering Support													
Other (Product Line, JCR, Type I Encryp)		25000						19604			17841		
<b>Total:</b>		<b>283307</b>			<b>159689</b>			<b>175975</b>			<b>125687</b>		

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

Date:  
February 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: FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2) (W61900)							
<b>HW Manufacturing - Ground</b>										
FY 2006	DRS Melbourne, Florida	SS/FFP	CECOM C4IEWS	Jan 06	Jun 06	8915	16	Yes		N/A
FY 2007	DRS Melbourne, Florida	SS/FFP	CECOM C4IEWS	Jan 07	Jun 07	3934	17	Yes		N/A
FY 2008	DRS Melbourne, Florida	SS/FFP	CECOM C4IEWS	Jan 08	Jun 08	3563	17	Yes		N/A
FY 2009	DRS Melbourne, Florida	SS/FFP	CECOM C4IEWS	Jan 09	Jun 09	1802	14	Yes		N/A
<b>HW Manufacturing - Aviation</b>										
FY 2006	RDECOM Pdn Integrat'n Facility Huntsville, Alabama	MIPR	AMCOM	Nov 05	Mar 06	500	67	Yes		N/A
FY 2007	RDECOM Pdn Integrat'n Facility Huntsville, Alabama	MIPR	AMCOM	Nov 06	Mar 07	500	69	Yes		N/A
FY 2008	RDECOM Pdn Integrat'n Facility Huntsville, Alabama	MIPR	AMCOM	Nov 07	Mar 08	557	67	Yes		N/A
FY 2009	RDECOM Pdn Integrat'n Facility Huntsville, Alabama	MIPR	AMCOM	Nov 08	Mar 09	563	68	Yes		N/A

REMARKS:



<b>FY 06 / 07 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2) (W61900)	Date: February 2007
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COST ELEMENTS						Fiscal Year 06														Fiscal Year 07														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 06														Calendar Year 07																																																																																																																															
						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																																																																																																																						
HW Manufacturing - Ground																																																																																																																																																			
1	FY 06	A	8915	0	8915					A							550	575	600	675	700	800	800	840	840	840	845	850				0																																																																																																																			
1	FY 07	A	3934	0	3934																													2622																																																																																																																	
1	FY 08	A	3563	0	3563																													3563																																																																																																																	
1	FY 09	A	1802	0	1802																													1802																																																																																																																	
HW Manufacturing - Aviation																																																																																																																																																			
2	FY 06	A	500	0	500			A					42	42	41	42	42	41	42	42	41	42	42	41									0																																																																																																																		
2	FY 07	A	500	0	500																					42	42	41	42	42	41	42		208																																																																																																																	
2	FY 08	A	557	0	557																													557																																																																																																																	
2	FY 09	A	563	0	563																													563																																																																																																																	
Total			20334		20334						42	42	41	42	592	616	642	717	741	842	842	881	882	882	886	1220	370	369	370			9315																																																																																																																			
<table style="width:100%; border-collapse: collapse; text-align: center;"> <tr> <td>O</td><td>N</td><td>D</td><td>J</td><td>F</td><td>M</td><td>A</td><td>M</td><td>J</td><td>J</td><td>A</td><td>S</td><td>O</td><td>N</td><td>D</td><td>J</td><td>F</td><td>M</td><td>A</td><td>M</td><td>J</td><td>J</td><td>A</td><td>S</td> <td>O</td><td>N</td><td>D</td><td>J</td><td>F</td><td>M</td><td>A</td><td>M</td><td>J</td><td>J</td><td>A</td><td>S</td> </tr> <tr> <td>C</td><td>O</td><td>E</td><td>A</td><td>E</td><td>A</td><td>P</td><td>A</td><td>U</td><td>U</td><td>U</td><td>E</td><td>C</td><td>O</td><td>O</td><td>A</td><td>E</td><td>A</td><td>A</td><td>A</td><td>U</td><td>U</td><td>U</td><td>E</td> <td>C</td><td>V</td><td>E</td><td>A</td><td>B</td><td>R</td><td>P</td><td>Y</td><td>N</td><td>L</td><td>G</td><td>P</td><td>T</td><td>V</td><td>C</td><td>N</td><td>B</td><td>R</td><td>R</td><td>Y</td><td>N</td><td>L</td><td>G</td><td>P</td> </tr> <tr> <td>T</td><td>V</td><td>C</td><td>N</td><td>B</td><td>R</td><td>R</td><td>Y</td><td>N</td><td>L</td><td>G</td><td>P</td><td>T</td><td>V</td><td>C</td><td>N</td><td>B</td><td>R</td><td>R</td><td>Y</td><td>N</td><td>L</td><td>G</td><td>P</td> <td>T</td><td>V</td><td>C</td><td>N</td><td>B</td><td>R</td><td>R</td><td>Y</td><td>N</td><td>L</td><td>G</td><td>P</td> </tr> </table>																												O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	C	O	E	A	E	A	P	A	U	U	U	E	C	O	O	A	E	A	A	A	U	U	U	E	C	V	E	A	B	R	P	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P
O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S																																																																																																																
C	O	E	A	E	A	P	A	U	U	U	E	C	O	O	A	E	A	A	A	U	U	U	E	C	V	E	A	B	R	P	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P																																																																																																				
T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	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	Initial	0			4	4	8			
1	DRS, Melbourne, Florida	500	1140	2280		1	Initial	0	4	4	8	For years where HW Manufacturing - Ground production rates fall below the minimum rate of 500 per month, customer buys are expected to bring the total production rate to at least the minimum.
						1	Reorder	0	2	4	6	
2	RDECOM Pdn Integrat'n Facility, Huntsville, Alabama	43	87	174		2	Initial	0	2	4	6	
						2	Reorder	0	2	4	6	
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2) (W61900)	Date: February 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						
HW Manufacturing - Ground																																			
1	FY 06	A	8915	8915																									0						
1	FY 07	A	3934	1312	2622	328	328	328	328	328	328	327	327																0						
1	FY 08	A	3563	0	3563				A					300	300	300	300	300	300	300	300	300	300	300	300	300	263		0						
1	FY 09	A	1802	0	1802																				A			151	151	150	150	1200			
HW Manufacturing - Aviation																																			
2	FY 06	A	500	500																									0						
2	FY 07	A	500	292	208	42	41	42	42	41																			0						
2	FY 08	A	557	0	557		A				46	46	46	46	46	46	46	47	47	47	47	47	47	47	47	47			0						
2	FY 09	A	563	0	563																					A		47	47	47	47	47	47	47	234
Total			20334	11019	9315	370	369	370	370	369	374	373	373	346	346	346	346	347	347	347	347	347	347	347	347	347	310	198	198	197	197	1434			
						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, Melbourne, Florida	500			1140	2280	1	Initial	
						Reorder	0	2	4	6	
2	RDECOM Pdn Integrat'n Facility, Huntsville, Alabama	43	87	174	2	Initial	0	2	4	6	
						Reorder	0	2	4	6	
						Initial					
						Reorder					
						Initial					
						Reorder					
						Initial					
						Reorder					

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>															P-1 ITEM NOMENCLATURE FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2) (W61900)											Date: February 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	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S			
						C	O	E	A	E	A	P	A	U	U	U	E	C	O	V	E	A	E	A	A	U	U	U	E	P		
HW Manufacturing - Ground																																
1	FY 06	A	8915	8915																								0				
1	FY 07	A	3934	3934																								0				
1	FY 08	A	3563	3563																								0				
1	FY 09	A	1802	602	1200	150	150	150	150	150	150	150	150															0				
HW Manufacturing - Aviation																																
2	FY 06	A	500	500																								0				
2	FY 07	A	500	500																								0				
2	FY 08	A	557	557																								0				
2	FY 09	A	563	329	234	47	47	47	47	46																		0				
Total																																
					197	197	197	197	196	150	150	150																				
					O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S				
					C	O	E	A	E	A	P	A	U	U	U	E	C	O	V	E	A	E	A	A	U	U	U	E				
					T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	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	Initial			Reorder	Initial	Reorder			
1	DRS, Melbourne, Florida	500	1140	2280		1	Initial	0	4	4	8	
							Reorder	0	2	4	6	
2	RDECOM Pdn Integrat'n Facility, Huntsville, Alabama	43	87	174		2	Initial	0	2	4	6	
							Reorder	0	2	4	6	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

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

Date: February 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										Continuing	Continuing
Gross Cost	82.4	106.7	50.0	94.0	77.4	80.1	62.1	63.5	64.8	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	82.4	106.7	50.0	94.0	77.4	80.1	62.1	63.5	64.8	Continuing	Continuing
Initial Spares											
Total Proc Cost	82.4	106.7	50.0	94.0	77.4	80.1	62.1	63.5	64.8	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**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. The LLDR meets a critical requirement for precision target location and engagement for the artillery fire support teams and scouts. The LLDR has proven a useful tool for rapidly locating and attacking insurgents firing rockets and mortars at our bases in theater.

**Justification:**  
 FY2008 and FY 2009 procure this critical capability for fielding based on the Army resourcing priority list and supports the Army's modularity initiative.

FY06 total includes supplemental funding of \$95 million to support the global war on terrorism (GWOT).

OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		Total Cost \$000	Qty Each	Unit Cost \$000	Total Cost \$000	Qty Each	Unit Cost \$000	Total Cost \$000	Qty Each	Unit Cost \$000	Total Cost \$000	Qty Each	Unit Cost \$000
K31100 AN/PED-1 LLDR	A	89811	304	295.4	47075	169	278.6	87414	316	276.6	71536	263	272.0
Engineering Support		391			441			449			457		
Project Management Admin		735			440			448			456		
Engineering Change Order					342			385			433		
Non Recurring Engineering		14866											
Testing					335			340			365		
Fielding		925			1326			4950			4167		
<b>Total:</b>		<b>106728</b>			<b>49959</b>			<b>93986</b>			<b>77414</b>		

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

Date:  
February 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</b>										
FY 2006	Northrop Grumman Laser Systems Apopka, FL	SS/FP	RMAC	Feb 06	Jan 07	23	295	Yes		
FY 2006	Northrop Grumman Laser Systems Apopka, FL	SS/FP	RMAC	Sep 06	Jun 07	281	295	Yes		
FY 2007	Northrop Grumman Laser Systems Apopka, FL	SS/FP	RMAC	Nov 06	Jan 08	169	279	Yes		
FY 2008	Northrop Grumman Laser Systems Apopka, FL	SS/FP	RMAC	Dec 07	Nov 08	316	277	Yes		
FY 2009	Northrop Grumman Laser Systems Apopka, FL	SS/FP	RMAC	Dec 08	Nov 09	263	272	Yes		

REMARKS:

<b>FY 06 / 07 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE LIGHTWEIGHT LASER DESIGNATOR/RANGEFINDER (LLDR) (K31100)	Date: February 2007
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COST ELEMENTS						Fiscal Year 06												Fiscal Year 07												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 06												Calendar Year 07												
						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	

K31100 AN/PED-1 LLDR																													
1	FY 06	A	23	0	23																								0
1	FY 06	A	281	0	281																								211
1	FY 07	A	169	0	169																								169
1	FY 08	A	316	0	316																								316
1	FY 09	A	263	0	263																								263
Total					1052																								959
						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	Northrop Grumman Laser Systems, Apopka, FL	4	30	35	180	1	6	12	11	23		
							1	5	9	14		
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE LIGHTWEIGHT LASER DESIGNATOR/RANGEFINDER (LLDR) (K31100)	Date: February 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	

K31100 AN/PED-1 LLDR																													
1	FY 06	A	23	23																								0	
1	FY 06	A	281	70	211	25	27	27	27	27	26	26	26															0	
1	FY 07	A	169	0	169				2	2	2	2	2	28	28	28	28	30	17									0	
1	FY 08	A	316	0	316			A											13	28	28	28	28	28	28	28	28	23	
1	FY 09	A	263	0	263															A								263	
Total					93	959	25	27	27	29	29	28	28	28	28	28	30	30	28	28	28	28	28	28	28	28	28	286	
						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	Northrop Grumman Laser Systems, Apopka, FL	4	30	35	180	1	6	12	11	23		
							1	5	9	14		
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					



<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE LIGHTWEIGHT LASER DESIGNATOR/RANGEFINDER (LLDR) (K31100)	Date: February 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	

K31100 AN/PED-1 LLDR																														
1	FY 06	A	23	23																									0	
1	FY 06	A	281	281																									0	
1	FY 07	A	169	169																									0	
1	FY 08	A	316	293	23	23																							0	
1	FY 09	A	263	0	263		23	23	23	23	23	23	23	23	23	23	10												0	
Total						23	23	23	23	23	23	23	23	23	23	23	10													
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

M F R	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX	1			Initial	Reorder			
1	Northrop Grumman Laser Systems, Apopka, FL	4	30	35	180	1	Initial	6	12	11	23	
							Reorder	1	5	9	14	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

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

Date: February 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	3893	939									4832
Gross Cost	52.8	24.3									77.1
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	52.8	24.3									77.1
Initial Spares											
Total Proc Cost	52.8	24.3									77.1
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 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 (AFATDS) 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 dismounted mortar units. The total system weighs less than four pounds, compared to the M23 which weighs over 8 pounds.

**Justification:**  
 No Funding for FY08/09.  
 FY06 total includes supplemental funding of \$21.3 million, to support the global war on terrorism (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: COMPUTER BALLISTICS: LHMBC XM32 (K99200)			Weapon System Type:			Date: February 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>HARDWARE</b>													
M32 - Lightweight Handheld MBC		18780	939	20									
<b>SUBTOTAL HARDWARE</b>		<b>18780</b>											
<b>PRODUCTION SUPPORT</b>													
Production Engineering		3232											
Proof and Acceptance		200											
Fielding and New Equipment Training		2104											
<b>SUBTOTAL PRODUCTION SUPPORT</b>		<b>5536</b>											
<b>NON RECURRING COSTS</b>													
<b>SUBTOTAL NON RECURRING COSTS</b>													
<b>Total:</b>		<b>24316</b>											

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

Date:  
February 2007

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)							
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
M32 - Lightweight Handheld MBC FY 2006	General Dynamics Land Systems Sterling Heights, MI	C/Option	Redstone, AL	Jul 06	Jul 07	939	20	Yes		

REMARKS:



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

Date: February 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		30	42	80	80	80	80	80	80		552
Gross Cost	165.8	20.9	45.1	14.0	14.2	13.7	14.0	14.2	14.5		316.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	165.8	20.9	45.1	14.0	14.2	13.7	14.0	14.2	14.5		316.4
Initial Spares											
Total Proc Cost	165.8	20.9	45.1	14.0	14.2	13.7	14.0	14.2	14.5		316.4
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 (50 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:**

FY08/09 funding procures a total of 65 XM150 MFCS for Guns and 15 XM151 MFCS for FDC's for M120, 120mm Towed Mortars.

FY06/FY07 totals include supplemental funding of \$9.6 million and \$6.3 million respectively, to support the global war on terrorism.

<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: February 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>HARDWARE</b>													
MFCs - M120/M121 120mm Mortar (M95)		5096	28	182	5544	42	132						
MFCs - M577 Fire Direction Center (M96)		158	2	79									
MFCs - XM150, M120 120MM Mortar								7970	65	123	8130	65	125
MFCs - XM151, M557 Fire Direction Center								608	15	41	620	15	41
Pointing Device Quick Release Mount					4940	475	10						
Software Blocking - Automated Test Sets					2350	224	10						
Mortar Mission Setter								1486	440	3	224	65	3
<b>Subtotal Hardware</b>		<b>5254</b>			<b>12834</b>			<b>10064</b>			<b>8974</b>		
<b>PRODUCTION SUPPORT</b>													
Production Engineering		4400			3100			1329			1939		
Government ILS		348			200								
Post Deployment Software Support		500			500			155			500		
Proof and Acceptance		256			806			500			500		
Fielding, Installation, and		7213			14393			1247			1272		
New Equipment Training													
<b>SUBTOTAL PRODUCTION SUPPORT</b>		<b>12717</b>			<b>18999</b>			<b>3231</b>			<b>4211</b>		
<b>NON RECURRING COSTS</b>													
Engineering Data		331			350						350		
Software Blocking		2500			5400			500			500		
Manuals		110			80			205			205		
Dismounted Material Change Program					7451								
<b>SUBTOTAL NRE</b>		<b>2941</b>			<b>13281</b>			<b>705</b>			<b>1055</b>		
<b>Total:</b>		<b>20912</b>			<b>45114</b>			<b>14000</b>			<b>14240</b>		

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

Date:  
February 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>MFCS - M120/M121 120mm Mortar (M95)</b>										
FY 2006	Honeywell Def and Space Elec Albuquerque, NM	SS/Option	Picatinny, NJ	Mar 06	Jan 07	28	182	Yes		
FY 2007	Honeywell Def and Space Elec Albuquerque, NM	SS/Option	Picatinny, NJ	Mar 07	Jan 08	42	132	Yes		
<b>MFCS - M577 Fire Direction Center (M96)</b>										
FY 2006	Honeywell Def and Space Elec Albuquerque, NM	SS/Option	Picatinny, NJ	Mar 06	Jan 07	2	79	Yes		
<b>MFCS - XM150, M120 120MM Mortar</b>										
FY 2008	Honeywell Def and Space Elec Albuquerque, NM	C/FP	Picatinny, NJ	Apr 08	Feb 09	65	123	Yes		
FY 2009	Honeywell Def and Space Elec Albuquerque, NM	SS/Option	Picatinny, NJ	Mar 09	Jan 10	65	125	Yes		
<b>MFCS - XM151, M557 Fire Direction Center</b>										
FY 2008	Honeywell Def and Space Elec Albuquerque, NM	C/FP	Picatinny, NJ	Apr 08	Feb 09	15	41	Yes		
FY 2009	Honeywell Def and Space Elec Albuquerque, NM	SS/Option	Picatinny, NJ	Mar 09	Jan 10	15	41	Yes		

REMARKS:



<b>FY 07 / 08 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE MORTAR FIRE CONTROL SYSTEM (K99300)	Date: February 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			
MFCS - M120/M121 120mm Mortar (M95)																																
1	FY 06 P	A	151	0	151	41	41	41	28																				0			
MFCS - M577 Fire Direction Center (M96)																																
1	FY 06 P	A	14	0	14	4	4	4	2																				0			
MFCS - XM150, M120 120MM Mortar																																
1	FY 08	A	65	0	65																								65			
1	FY 09	A	65	0	65																								65			
MFCS - XM151, M557 Fire Direction Center																																
1	FY 08	A	15	0	15																								15			
1	FY 09	A	15	0	15																								15			
Pointing Device Quick Release Mount																																
1	FY 07	A	475	0	475																								70			
Total			800		800	45	45	45	30																				230			
						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				9	7
1	Honeywell Def and Space Elec, Albuquerque, NM	5	40	50		1	Initial	9	7	10	17		
							Reorder	3	6	10	16		
2	To Be Selected, TBD	5	40	50		2	Initial	9	7	10	17		
							Reorder	3	6	10	16		
							Initial						
							Reorder						
							Initial						
							Reorder						
							Initial						
							Reorder						

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE MORTAR FIRE CONTROL SYSTEM (K99300)	Date: February 2007
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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					
MFCS - M120/M121 120mm Mortar (M95)																																		
1	FY 06 P	A	151	151																								0						
MFCS - M577 Fire Direction Center (M96)																																		
1	FY 06 P	A	14	14																								0						
MFCS - XM150, M120 120MM Mortar																																		
1	FY 08	A	65	0	65					25	40																	0						
1	FY 09	A	65	0	65						A										40	25						0						
MFCS - XM151, M557 Fire Direction Center																																		
1	FY 08	A	15	0	15					15																		0						
1	FY 09	A	15	0	15						A											15						0						
Pointing Device Quick Release Mount																																		
1	FY 07	A	475	405	70	45	25																					0						
Total			800	570	230	45	25			40	40										40	40												
						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				Prior 1 Oct	After 1 Oct
1	Honeywell Def and Space Elec, Albuquerque, NM	5	40	50		1	Initial	9	7	10	17		
							Reorder	3	6	10	16		
2	To Be Selected, TBD	5	40	50		2	Initial	9	7	10	17		
							Reorder	3	6	10	16		
							Initial						
							Reorder						
							Initial						
							Reorder						
							Initial						
							Reorder						

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

Date: February 2007

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

P-1 Item Nomenclature  
COUNTERFIRE RADARS (BA5500)

Program Elements for Code B Items:  
PE 0604823A L88

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										Continuing	Continuing
Gross Cost					107.8	150.8	175.5	263.5	251.1	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1					107.8	150.8	175.5	263.5	251.1	Continuing	Continuing
Initial Spares											
Total Proc Cost					107.8	150.8	175.5	263.5	251.1	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**

Firefinder (BA5500) is a summary budget line which currently includes one program: (B05310)Enhanced AN/TPQ-36 (EQ-36)will provide 90 degree coverage, with a shorter range 360 degree coverage for mortars. The EQ-36 will provide 32KM range coverage for cannons and 60 KM for rockets. This program will leverage the latest in technology design to provide increased range, reduced crew size, as well as increased reliability, availability, and maintainability. The EQ-36 will provide digital communications and be interoperable with Firefinder and future Battle Command Systems. The system will be capable of drive-on/drive off C-130 and will be mounted on standard Army vehicles. The EQ-36 is a highly mobile radar system designed to classify targets for automatic first round location of mortar, cannot and rocket enemy fires and to provide observed fires from friendly units.

**Justification:**

FY09 funds procurement of nine (9) Enhanced AN/TPQ-36 (EQ-36) systems.

<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: COUNTERFIRE RADARS (BA5500)			Weapon System Type:			Date: February 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
Hardware (EQ-36)											78044	9	8672
Ancillary Equipment											7032		
Shelter Modifications											17190		
Engineering Change Orders											2586		
Integrated Logistics Support											945		
Program Management Support											2000		
<b>Total:</b>											<b>107797</b>		

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

Date: February 2007

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

P-1 Item Nomenclature  
ENHANCED AN/TPQ 36 (B05310)

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	150.8	175.5	263.5	251.1		948.7
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1					107.8	150.8	175.5	263.5	251.1		948.7
Initial Spares											
Total Proc Cost					107.8	150.8	175.5	263.5	251.1		948.7
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The Enhanced AN/TPQ-36 (EQ-36) is a highly mobile radar system designed to classify targets for automatic first round location of mortar, cannot and rocket enemy fires and to provide observed fires from friendly units. The EQ-36 will provide 90 degree coverage, with a shorter range 360 degree coverage for mortars. The EQ-36 will provide 32KM range coverage for cannons and 60 KM for rockets. This program will leverage the latest in technology design to provide increased range, reduced crew size, as well as increased reliability, availability, and maintainability. The EQ-36 will provide digital communications and be interoperable with Firefinder and future Battle Command Systems. The system will be capable of drive-on/drive off C-130 and will be mounted on standard Army vehicles. The EQ-36 is a highly mobile radar system designed to classify targets for automatic first round location of mortar, cannot and rocket enemy fires and to provide observed fires from friendly units.

**Justification:**

FY09 funds procurement of nine (9) Enhanced AN/TPQ-36 (EQ-36) systems.

<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: ENHANCED AN/TPQ 36 (B05310)			Weapon System Type:			Date: February 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
Hardware (EQ-36)											78044	9	8672
Ancillary Equipment											7032		
Shelter Modification											17190		
Engineering Change Orders											2586		
Integrated Logistics Support											945		
Program Management Support											2000		
<b>Total:</b>											<b>107797</b>		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment			Weapon System Type:		P-1 Line Item Nomenclature: ENHANCED AN/TPQ 36 (B05310)						
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 (EQ-36)</b> FY 2009	TBD TBD	C/FPIF	CECOM	Nov 08	Mar 10	9	8672	NO			

REMARKS:





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

Date: February 2007

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

P-1 Item Nomenclature  
INTEGRATED MET SYS SENSORS (IMETS) - MIP (BW0021)

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	61.1	3.4	3.5								68.0
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	61.1	3.4	3.5								68.0
Initial Spares											
Total Proc Cost	61.1	3.4	3.5								68.0
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

Integrated Meteorological Systems Sensor (IMETS) is a tactical automated weather data system that receives, processes and disseminates timely weather and environmental effects, forecasts, observations, and automated Tactical Decision Aids (TDAs) in support of the Army Warfighting commanders. This system consists of Army Tactical Command and Control System (ATCCS) common hardware/software (CHS), and communications that will be operated by Air Force weather personnel. IMETS is deployed at various levels; Division HQs, Brigade Combat Team (BCT), Armored Cavalry Regiment (ACR) and Special Operations Forces (SOF). The IMETS requirements have been upgraded to align with the Joint Technical Architecture (JTA), Common Operating Environment (COE), and the Army Battle Command System (ABCS). Three different configurations are tailored to the needs of the echelon supported; Vehicle Mounted Configuration (VMC), Command Post Configuration (CPC), and Light Configuration (LC) based on a laptop. Each IMETS configuration supports a core set of requirements and is capable of performing the following functions: (1) receive weather data from all available sources: weather satellites; local and remote weather sensors at higher, lower and adjacent echelon IMETS; artillery meteorology sections (ARTYMET); theater forecast units (TFUs) and the Air Force Weather Agency (AFWA); (2) process and display weather information, display weather satellite data and imagery, and generate Tactical Decision Aids; (3) disseminate weather data, forecasts, and Tactical Decision Aids via area communications system, to all users and to other IMETS at higher, lower and adjacent echelons; (4) operate independently using satellites, or communications networks as appropriate; and (5) relocate with the unit to which it is assigned. IMETS hardware is NDI/COTS and is purchased from either program manager's office of common hardware/software or other Army activities. Integration is handled by contractor, Northrop Grumman Information Technology (NGIT).

**Justification:**

No FY08/09 funding.

IMETS transitions to Distributed Common Ground System-Army (DCGS-A) in FY08.

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

Date: February 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	406.6	197.0	57.5	393.9	269.5	210.8	187.3	112.5	86.9	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	406.6	197.0	57.5	393.9	269.5	210.8	187.3	112.5	86.9	Continuing	Continuing
Initial Spares											
Total Proc Cost	406.6	197.0	57.5	393.9	269.5	210.8	187.3	112.5	86.9	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**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, as well as other servers such as Maneuver Control System Sequential Query Language servers, Command Post of the Future servers and servers associated with GCCS-A and in the future JC2-Army. SICPS is currently being fielded IAW with the Army Campaign Plan, Unit Set Fielding Schedule. Fielded TOCs include Current Force TOCs for 4ID and Stryker Brigade Combat Teams (SBCT 1-4). 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:**  
 FY 2008 and FY 2009 will procure Government Furnished Equipment (GFE) and integrates, assembles, tests and fields SICPS; provides field support to Current Force and SBCT TOCs and SICPS.  
 FY 2006 total include supplemental funding of \$150.3 million to support the global war on terrorism (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: TACTICAL OPERATIONS CENTERS (BZ9865)			Weapon System Type:			Date: February 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
1. System Integration/Hardware			149953			31033			337159			228123		
2. Project Management Administration			7841			6191			6530			6670		
3. Fielding (TPF,NET,FDT)			24303			8753			31864			15964		
4. Engineering Support			14858			11498			18330			18710		
<b>Total:</b>			<b>196955</b>			<b>57475</b>			<b>393883</b>			<b>269467</b>		

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

Date:  
February 2007

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)							
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 2006	NGMS CPP Huntsville, AL	C/FPI MOD	AMCOM	Jan 06	May 06	113		Y		
FY 2007	NGMS CPP Huntsville, AL	C/FPI MOD	AMCOM	Nov 06	Mar 07	28		Y		
FY 2008	NGMS CPP Huntsville, AL	C/FFP OPT	AMCOM	Dec 07	Apr 08	155		Y		
FY 2008	TBD TMSS Huntsville, AL	C/FFP	AMCOM	Dec 07	Apr 08	737		Y		Feb 07
FY 2009	NGMS CPP Huntsville, AL	C/FFP OPT	AMCOM	Dec 08	Apr 09	99		Y		
FY 2009	TBD TMSS Huntsville, AL	C/FFP	AMCOM	Dec 08	Apr 09	519		Y		

REMARKS:

<b>FY 06 / 07 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE TACTICAL OPERATIONS CENTERS (BZ9865)	Date: February 2007
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COST ELEMENTS						Fiscal Year 06													Fiscal Year 07													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 06													Calendar Year 07													
						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 06	A	113	0	113					A						8	14	10	5	9	6	14	16	14	14	3					0	
1	FY 07	A	28	0	28																										0	
1	FY 08	A	155	0	155																										155	
1	FY 09	A	99	0	99																										99	
TMSS																																
2	FY 08	A	737	0	737																										737	
2	FY 09	A	519	0	519																										519	
Total																																
			1651		1651												8	14	10	5	9	6	14	16	14	14	13	12		6		1510
						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	NGMS CPP, Huntsville, AL		14	25		1	0	0	6	6		
							0	0	0	0		
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					



<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>										P-1 ITEM NOMENCLATURE TACTICAL OPERATIONS CENTERS (BZ9865)										Date: February 2007	
--	--	--	--	--	--	--	--	--	--	---	--	--	--	--	--	--	--	--	--	------------------------	--

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

CPP

1	FY 06	A	113	113																																				0
1	FY 07	A	28	28																																				0
1	FY 08	A	155	155																																			0	
1	FY 09	A	99	51	48	8	8	8	8	8	8																											0		

TMSS

2	FY 08	A	737	737																																			0
2	FY 09	A	519	261	258	43	43	43	43	43	43																												0
Total					1651	1345	306	51	51	51	51	51																											

							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	TOTAL	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct	After 1 Oct	After 1 Oct		
1	NGMS CPP, Huntsville, AL		14	25		1	Initial	0	0	6	6	
							Reorder	0	0	0	0	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

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

Date: February 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										Continuing	Continuing
Gross Cost	652.6	45.2	49.6	40.6	39.5	29.5	26.5	22.4	22.5	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	652.6	45.2	49.6	40.6	39.5	29.5	26.5	22.4	22.5		928.5
Initial Spares											
Total Proc Cost	652.6	45.2	49.6	40.6	39.5	29.5	26.5	22.4	22.5	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**

Fire Support Command and Control (FSC2) 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.

Beginning with FY08, the following systems will be realigned into the Fire Support C2 family: AFATDS (B28600), Mod-In-Service (MIS) AFATDS (B28620), Light Weight Technical Fire Direction System (LWTFDS)(B78400), Gun Display Unit - Replacement (GDU-R) (B28502), Ruggedized Handheld Computer (RHC) (B28503) and the Pocket-Sized Forward Entry Device (PFED) BZ9851). This realignment will enable the family of fire support systems to manage the implementation of technology more efficiently and effectively.

**Justification:**

FY 2008 and FY2009 funding procures systems under the following FSC2 family of systems: AFATDS, AFATDS Mod-In-Service, LWTFDS, GDU-R, RHC and PFED. This SSN is a parent SSN and rolls-up funding information for the above systems. Specific, details on quantities can be found under the p-forms for each program.

FY06/07 totals include supplemental funding of \$10.7 million and \$7.0 million respectively, to support the global war on terrorism (GWOT).



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
Gun Display Unit -Replacement (GDU-R)								6500			3600		
Ruggedized Handheld Computer (RHC)								6000			5500		
AFATDS		25928			28946			7384			8850		
Mod-In-Service (AFATDS)		4836			5412			13500			14500		
LWTFDS		5427			6018			2562			2518		
PFED		8993			9268			4680			4492		
<b>Total:</b>		<b>45184</b>			<b>49644</b>			<b>40626</b>			<b>39460</b>		

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

Date: February 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				6.5	3.6	1.2	0.5	0.3	0.3	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				6.5	3.6	1.2	0.5	0.3	0.3	Continuing	Continuing
Initial Spares											
Total Proc Cost				6.5	3.6	1.2	0.5	0.3	0.3	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**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 handheld system which digitally receives firing commands (elevation, deflection, fuze and powder mixes) from the cannon Fire Direction Center (FDC). The Section Chief receives the commands then sends them down to the crews of non-digitized howitzers via the GDU-R, thereby allowing quicker crew actions with significantly less intervention than when using voice commands. The GDU-R software is hosted on a Rugged Personal Digital Assistant (RPDA) for the section chief and on wrist mounted gunner/assistant gunner displays for the cannon crews. This automated system allows for accurate and timely cannon firing. GDU-R operates in self-propelled (Non Paladin) and towed Howitzer weapons.

**Justification:**

FY08 and FY09 will procure GDU-R systems and funds fieldings to support Operation Enduring Freedom/ Operation Iraqi Freedom.

<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: Gun Display Unit -Replacement (GDU-R) (B28502)			Weapon System Type:			Date: February 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
Hardware								5322	310		2608	96	
Project Management Administration								544			502		
Engineering Support								150			50		
Fielding								484			440		
<b>Total:</b>								<b>6500</b>			<b>3600</b>		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: Gun Display Unit -Replacement (GDU-R) (B28502)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Hardware</b>										
FY 2008	General Dynamics Taunton, MA	C/Option	CE LCMC, Ft Monmouth, NJ	Jan 08	Oct 08	310		Yes		
FY 2009	General Dynamics Taunton, MA	C/Option	CE LCMC, Ft Monmouth, NJ	Jan 09	Oct 09	96		Yes		

REMARKS:

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

Date: February 2007

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

P-1 Item Nomenclature  
Ruggedized Handheld Computer (RHC) (B28503)

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				6.0	5.5	2.6	2.0	1.2	1.2	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				6.0	5.5	2.6	2.0	1.2	1.2	Continuing	Continuing
Initial Spares											
Total Proc Cost				6.0	5.5	2.6	2.0	1.2	1.2	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**

The RHC, also known as the Lightweight Forward Entry Device (LFED) replaces the much heavier Forward Entry Device (FED). LFED/RHC hosts the Forward Observer System (FOS) software which enables forward observers and fire support officers to plan, control and execute fire support operations at maneuver platoon, company, battalion and brigade levels. LFED/RHC is fully interoperable with both the Advanced Field Artillery Tactical Data System (AFATDS) and current fire support systems. When coupled with the existing and future tactical communications systems, LFED/RHC enables the rapid precision Sensor-to-Shooter capabilities. When interfaced with Pocket-sized Forward Entry Device (PFED) and AFATDS, these systems' functions are improved as a whole and increase their performance as a system of systems. The LFED software is hosted on a Ruggedized Handheld Computer (RHC).

**Justification:**

FY08 and FY09 procures RHC/LFED systems (218 in FY08 and 191 in FY09) and funds fieldings to support Operation Enduring Freedom/Operation Iraqi Freedom.

<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: Ruggedized Handheld Computer (RHC) (B28503)			Weapon System Type:			Date: February 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
Hardware								4970	218		4355	191	
Project Management Administration								568			569		
Engineering Support								54			56		
Fielding								408			520		
<b>Total:</b>								<b>6000</b>			<b>5500</b>		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: Ruggedized Handheld Computer (RHC) (B28503)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Hardware</b>										
FY 2008	General Dynamics Taunton, MA	C/Option	CE LCMC, Ft Monmouth, NJ	Jan 08	Oct 08	218		Yes		
FY 2009	General Dynamics Taunton, MA	C/Option	CE LCMC, Ft Monmouth, NJ	Jan 09	Oct 09	191		Yes		

REMARKS:

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

Date: February 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	520.1	25.9	28.9	7.4	8.9	2.9					594.0
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	520.1	25.9	28.9	7.4	8.9	2.9					594.0
Initial Spares											
Total Proc Cost	520.1	25.9	28.9	7.4	8.9	2.9					594.0
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The Advanced Field Artillery Tactical Data System (AFATDS) is the tool that performs automated 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 operations 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. 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 (IFSAS), Battery Computer System (BCS) and Fire Direction System (FDS). 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.

The system uses non-developmental, rugged common hardware/software, including the Unix Laptop Computer (ULC), Compact Computer Unit (CCU), Notebook Computer Unit (NCU) as well as vehicle installation kits (IKs). The current system support comes from the successful fielding of AFATDS Version A96 through 6.3.2, and Version 6.4.0.

Beginning in FY08, this program is no longer a stand alone, but will be realigned to fall under Fire Support C2 Family (B28501).

**Justification:**

FY08/09 funding procures AFATDS systems, to modernize the current Active Army and National Guard.



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: February 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
Hardware		13368	282		14625	282		4322	67		5434	81	
Project Management		2050			2105			782			845		
Engineering Support		2560			2968			764			902		
Interim Contractor Support		5250			6273			586			627		
<b>Fielding</b>													
Total Package Fielding		450			430			160			171		
New Equipment Training		2250			2545			770			871		
SBCT 2													
<b>Note:</b>													
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>25928</b>			<b>28946</b>			<b>7384</b>			<b>8850</b>		

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

Date:  
February 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>Hardware</b>										
FY 2006	General Dynamics Tauton, MA	C/OPTION	CECOM	Jan 06	Jul 06	282		YES		
FY 2007	General Dynamics Tauton, MA	C/OPTION	CECOM	Dec 06	Jun 07	282		YES		
FY 2008	General Dynamics Tauton, MA	C/OPTION	CECOM	Jan 08	Jul 08	67		YES		
FY 2009	General Dynamics Tauton, MA	C/OPTION	CECOM	Jan 09	Jul 09	81		YES		

REMARKS: The above hardware is COTS and will be procured off the existing common hardware software (CHS III) contract.

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

Date: February 2007

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

P-1 Item Nomenclature  
MOD OF IN-SVC EQUIP, AFATDS (B28620)

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										Continuing	Continuing
Gross Cost	8.8	4.8	5.4	13.5	14.5	19.4	20.6	19.7	19.7	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	8.8	4.8	5.4	13.5	14.5	19.4	20.6	19.7	19.7		126.4
Initial Spares											
Total Proc Cost	8.8	4.8	5.4	13.5	14.5	19.4	20.6	19.7	19.7	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**

The Advanced Field Artillery Tactical Data System (AFATDS) is the tool that performs automated 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 operations 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. 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 (IFSAS), Battery Computer System (BCS) and Fire Direction System (FDS). 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. The system uses non-developmental, rugged common hardware/software, including the Unix Laptop Computer (ULC), Compact Computer Unit (CCU), Notebook Computer Unit (NCU) as well as vehicle installation kits (IKs).

Department of the Army Hardware Re-Procurement policy is to replace systems every five years. Without replacement, systems will become obsolete, or effectiveness is significantly diminished in comparison to the capability growth of the current market. A rebuy or upgrade is required to maintain operational effectiveness of the aging hardware. Funding contained in this line provides for upgrade or replacement of the oldest AFATDS computer workstations or components as required to maintain operational effectiveness in the field. The current system support comes from the successful fielding of AFATDS Versions A96, 6.3.2 and V6.4.0.

Beginning in FY08, this program is no longer a stand alone, but will be realigned to fall under Fire Support C2 Family (B28501).

**Justification:**

FY08/09 funding procures AFATDS systems, to modernize the current Active Army and National Guard.

<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: MOD OF IN-SVC EQUIP, AFATDS (B28620)			Weapon System Type:		Date: February 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
Hardware		4836			5412			8027	124		8866	133	
Project Management								1383			1380		
Engineering Support								1410			1472		
Interim Contractor Support								1020			1023		
<b>Fielding</b>													
Total Package Fielding								260			279		
New Equipment Training								1400			1480		
<b>Note:</b>													
In FY06 and FY07 and prior, this line was a supporting line to AFATDS primary funding line: SSN B28600. It was used to purchase upgrades and upgrade kits for AFATDS. The primary line is phasing out as initial fieldings are completed. Commencing in FY08, this line will become the primary line. Thus, quantities will be identified in FY08 and out with no quantities reported in FY06 and FY07.													
In addition, the hardware cost consists 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>4836</b>			<b>5412</b>			<b>13500</b>			<b>14500</b>		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: MOD OF IN-SVC EQUIP, AFATDS (B28620)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Hardware</b>										
FY 2008	General Dynamics Tauton, MA	C/OPTION	CECOM	Jan 08	Jul 08	124		YES		
FY 2009	General Dynamics Tauton, MA	C/OPTION	CECOM	Jan 09	Jul 09	133		YES		
<b>Note:</b>										

REMARKS:

<b>Exhibit P-40M, Budget Item Justification Sheet</b>	Date: February 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, AFATDS (B28620)
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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
MOD OF IN-SVC, EQUIP, AFATDS											
0-00-00-0000		13610.0	5412.0	13500.0	14500.0	19357.0	20565.0	19680.0	19739.0	0.0	126363.0
Totals		13610.0	5412.0	13500.0	14500.0	19357.0	20565.0	19680.0	19739.0	0.0	126363.0

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

Date: February 2007

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

P-1 Item Nomenclature  
Light Weight Technical Fire Direction Sys (LWTFDS) (B78400)

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	73.9	5.4	6.0	2.6	2.5	0.5	0.4	0.3	0.2	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	73.9	5.4	6.0	2.6	2.5	0.5	0.4	0.3	0.2	Continuing	Continuing
Initial Spares											
Total Proc Cost	73.9	5.4	6.0	2.6	2.5	0.5	0.4	0.3	0.2	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**

Prior to FY08, this Standard Study Number (SSN) funded the Lightweight Computer Unit (LCU), Gun Display Unit-Replacement (GDU-R) and the Centaur programs. Beginning in FY08, this line funds Centaur only. Centaur replaces the Back-up Computer System (BUCS) which is no longer maintainable. Centaur is a handheld system which provides technical fire control for the cannon Fire Direction Center (FDC). Centaur serves as a backup technical fire direction capability in case the primary capability, Advanced Field Artillery Tactical Data System (AFATDS), fails. It can also be used as a secondary calculation check for AFATDS. In addition, Centaur provides early entry forces with the capability to compute automated cannon ballistic firing solutions before AFATDS arrives. Centaur consists of the NATO Armament Ballistic Kernel (NABK) computational software algorithm which is ported onto a Rugged Personal Digital Assistant (RPDA).

Beginning in FY08, this program is no longer a stand alone, but will be realigned to fall under Fire Support C2 Family (B28501).

**Justification:**

FY08/09 procures Centaur systems and funds fieldings to support Operation Enduring Freedom and 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: Light Weight Technical Fire Direction Sys (LWTFDS) (B78400)			Weapon System Type:			Date: February 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		3632	122		3242	648		585	117		1450	290	
Project Management Administration		864			880			467			488		
Engineering Support		553			1158			603			79		
Fielding		378			738			907			501		
Note: FY06 funds procured GDU-R while FY07-09 procure Centaur.													
<b>Total:</b>		<b>5427</b>			<b>6018</b>			<b>2562</b>			<b>2518</b>		



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

Date:  
February 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: Light Weight Technical Fire Direction Sys (LWTFDS) (B78400)						
<b>Hardware</b>										
FY 2006	General Dynamics Taunton, MA	C/Option	CE LCMC, Ft Monmouth, NJ	Aug 06	Jun 07	122		Yes		
FY 2007	General Dynamics Taunton, MA	C/Option	CE LCMC, Ft Monmouth,NJ	Jan 07	Oct 07	648		Yes		
FY 2008	General Dynamics Taunton, MA	C/Option	CE LCMC, Ft Monmouth,NJ	Jan 08	Oct 08	117		Yes		
FY 2009	General Dynamics Taunton, MA	C/Option	CE LCMC, Ft Monmouth,NJ	Jan 09	Oct 09	290		Yes		

REMARKS:

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

Date: February 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	192.2	9.0	9.3	4.7	4.5	3.1	3.1	1.0	1.0	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	192.2	9.0	9.3	4.7	4.5	3.1	3.1	1.0	1.0	Continuing	Continuing
Initial Spares											
Total Proc Cost	192.2	9.0	9.3	4.7	4.5	3.1	3.1	1.0	1.0	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**  
 Prior to FY08, this Standard Study Number (SSN) funded the Lightweight Forward Entry Device/Ruggedized Handheld Computer (LFED/RHC) and PFED programs. Beginning in FY08, this line funds only PFED. PFED is a handheld forward entry device used by 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 Compact Edition (CE) based and utilizes existing 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 Calls For Fire (CFF). PFED is fully interoperable with both Advanced Field Artillery Tactical Data Systems (AFATDS) and current fire support systems. When coupled with the existing and future laser ranging binoculars, Global Positioning System (GPS) devices and tactical communications equipment, the PFED system enables rapid precision Sensor-to-Shooter and Surveillance capabilities. PFED integrates these systems improving their function as a whole and increasing their performance as a system of systems. PFED software is hosted on a Rugged Personal Digital Assistant (RPDA).

Beginning in FY08, this program is no longer a stand alone, but will be realigned to fall under Fire Support C2 Family (B28501).

**Justification:**  
 FY08/09 procures PFED systems and funds fieldings to support Operation Enduring Freedom/Operation Iraqi Freedom.

<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: POCKET FORWARD ENTRY DEVICE (PFED) (BZ9851)			Weapon System Type:			Date: February 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
Hardware		7064	305		6241	358		2162	136		3450	217	
Project Management Administration		723			1100			536			545		
Engineering Support		802			966			845			130		
Fielding		404			961			1137			367		
Note: FY06- FY07 procures both LFED/RHC and PFED systems. FY08-FY09 procures only PFED systems.													
<b>Total:</b>		<b>8993</b>			<b>9268</b>			<b>4680</b>			<b>4492</b>		

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

Date:  
February 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>Hardware</b>										
FY 2006	General Dynamics Taunton, MA	C/Option	CE LCMC, Ft Monmouth,NJ	Aug 06	Jun 07	305		Yes		
FY 2007	General Dynamics Taunton, MA	C/Option	CE LCMC, Ft Monmouth, NJ	Jan 07	Oct 07	358		Yes		
FY 2008	General Dynamics Taunton, MA	C/Option	CE LCMC, Ft Monmouth,NJ	Jan 08	Oct 08	136		Yes		
FY 2009	General Dynamics Taunton, MA	C/Option	CE LCMC, Ft Monmouth,NJ	Jan 09	Oct 09	217		Yes		

REMARKS:

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

Date: February 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: Battle Command Sustainment Support System (BCS3) (W34600)

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	197.9	30.5	31.9	32.9	30.0	25.8	8.8				357.8
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	197.9	30.5	31.9	32.9	30.0	25.8	8.8				357.8
Initial Spares											
Total Proc Cost	197.9	30.5	31.9	32.9	30.0	25.8	8.8				357.8
Flyaway U/C											
Weapon System Proc U/C											

**Description:**  
 The Battle Command Sustainment Support System (BCS3) is the logistics Command and Control (C2) solution for U.S. land forces. BCS3 provides commanders the capability to execute end-to-end distribution and deployment management and brings better situational awareness resulting in better decision-making capability to warfighters. It enables warfighters to target, access, scale and tailor critical logistics information in near-real time. BCS3 provides more effective means to gather and integrate asset and in-transit information to manage distribution and deployment missions. BCS3 combines distribution management to include commodity and convoy tracking, and deployment management into a logistics Common Operating Picture (COP) for one mission-focused visual display.

BCS3 has been adopted and integrated into Joint and strategic logistics command and control processes. BCS3 is the only near-term end-to-end logistics COP solution for the Joint commander. BCS3 will maintain its core capabilities and continue to advance in development while integrating into the Joint command and control architecture. This continued development will enable decision superiority via advanced collaborative information sharing achieved through interoperability.

BCS3 has immediate, high pay-off benefit to warfighters and additional future growth in its capabilities. BCS3 is a force multiplier, a precision tool for logistics planning and execution that provides warfighters with the necessary tools to succeed.

**Justification:**  
 FY08 and FY09 procures and fields user work stations for BCS3. Fielding locations include Republic of Korea, Japan, Hawaii, Germany, Ft Bragg, Ft Riley, Ft Sill, Ft Lewis, Ft Hood, Ft Irwin, and Ft Polk, as well as other smaller locations for Active Component, Army Reserve, and National Guard units. Equipment required in FY08 and FY09 supports the Chief of Staff Army (CSA) priority for fielding ABCS 6.4 capability and supporting modularity transformation in this timeframe to include 1st AD, 1st ID, 2nd ID, 18th Fires BDE, 75th Fires BDE, and 212th Fires BDE.

FY06 total includes supplemental funding of \$21.6 million to support the global war on terrorism (GWOT).

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
High Capacity Computer Unit (HCU) CSSCS													
Versatile Computer Unit (VCU) CSSCS													
Notebook Computer Unit (NCU) CSSCS													
PEO EIS H/W													
PEO EIS Combat Service Support VSAT Sys													
Battle Command Common Server Suites													
Server BCS3													
Guard Server													
Peripherals (Printer,Mounts, AIS device)													
Standard Integrated Command Post System													
Hardware Upgrade													
Total Package Fielding (TPF)													
New Equipment Training (NET)													
First Destination Trans (FDT)													
Other													
BCS3 Computer		2644	661	4.0	2836	709	4.0	3024	756	4.0	2120	530	4.0
Program Management		4065			4187			4313			4442		
Software Maintenance		3804			3919			4036			4157		
Engineering Support		2835			2921			3009			3099		
Fielding		2960			3018			2887			2085		
Interim Contractor Support (ICS)		8775			9221			9780			8160		
Software Support / Licenses		5448			5756			5886			5924		
<b>Total:</b>		<b>30531</b>			<b>31858</b>			<b>32935</b>			<b>29987</b>		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: Battle Command Sustainment Support System (BCS3) (W34600)							
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>BCS3 Computer</b>										
FY 2006	iGov McLean, VA	C/FP/OPT	CECOM, Ft. Monmouth, NJ	Mar 06	Jun 06	661	4			
FY 2007	iGov McLean, VA	C/FP/OPT	CECOM, Ft. Monmouth, NJ	Mar 07	Jun 07	709	4			
FY 2008	iGov McLean, VA	C/FP/OPT	CECOM, Ft. Monmouth, NJ	Mar 08	Jun 08	756	4			

REMARKS:

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

Date: February 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										Continuing	Continuing		
Gross Cost	440.3	228.6	21.0	9.0	7.5	9.0	3.8	5.0	5.0	Continuing	Continuing		
Less PY Adv Proc													
Plus CY Adv Proc													
Net Proc P1	440.3	228.6	21.0	9.0	7.5	9.0	3.8	5.0	5.0	Continuing	Continuing		
Initial Spares													
Total Proc Cost	440.3	228.6	21.0	9.0	7.5	9.0	3.8	5.0	5.0	Continuing	Continuing		
Flyaway U/C													
Weapon System Proc U/C										Continuing	Continuing		

**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), and Division Headquarters as part of the Army's modularity concept. The FAAD C2 software has been fielded to ADAM Cells in the 3rd Infantry Division, 101st Air Assault Division, 4th Infantry Division, 1st Cavalry Division, 25th Infantry Division, 10th Mountain Division and to the SBCTs. 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.

In support of the Global War on Terrorism (GWOT), 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 is also the integrating software that provides target track data and weapon system control for the initial Counter-Rocket, Artillery and Mortar (C-RAM) capability being deployed to Iraq.

**Justification:**  
 FY08 and FY09 funding procures additional hardware and completes the integration and fielding of the 1-174 Ohio ARNG. FAAD C2 provides the Battalion with the ability to coordinate the air battle and pass early warning, alerting, digital cueing, and target information to the shooters. The FAAD C2 Battalion system includes ten C2 shelters located at the Battalion Headquarters, the three Battery Headquarters, and the six Sensor Command and Control nodes. Equipment to be fielded per Battalion includes one Air Battle Management Operations Center (ABMOC), six Sensor



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

Date:

February 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:

Command and Control (SC2) nodes, three Battery Command Posts (CPs), and 76 Forward Area Control Terminals (FACTs). FY08 funding will also be used to maintain the FAAD C2 software in accordance with software blocking policy, and ensure that the latest software security measures are in place. Additionally, FY08 funding will procure and field current Common Hardware Systems (CHS) rebuy equipment to maintain commonality and interoperability, as directed by the Army Acquisition Executive (AAE) in a 16 October 2001 memorandum.

FY06 total includes supplemental funding of \$213.3 million to support the global war on terrorism (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: FAAD C2 (AD5050)			Weapon System Type:			Date: February 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
1. System Integration/Hardware		6698	1	6698	10316	2	5158	5728			4773		
2. Project Management Administration		2434			3749			2081			1734		
<b>3. Fielding</b>													
a. Total Package Fielding		142			218			121			101		
b. New Equipment Training		275			423			235			196		
c. First Destination Transportation		9			14			8			6		
4. Contractor Field Support		437			672			373			312		
5. Software Maintenance Support		531			818			454			378		
6. C-RAM/TRADOC		4738			4800								
7. C-RAM		213300											
<b>Total:</b>		<b>228564</b>			<b>21010</b>			<b>9000</b>			<b>7500</b>		

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

Date:  
February 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>1. System Integration/Hardware</b>										
FY 2006	Northrop Grumman/NGMS (TRW) Huntsville, AL	CPFF	AMCOM	Jul 05	May 06	1	6698	N/A	N/A	N/A
FY 2007	Northrop Grumman/NGMS (TRW) Huntsville, AL	CPFF/Optio	AMCOM	Jul 06	May 07	2	5158	N/A	N/A	N/A
FY 2008	Northrop Grumman/NGMS (TRW) Huntsville, AL	CPFF/Optio	AMCOM	Jul 07				N/A	N/A	N/A
<b>6. C-RAM/TRADOC</b>										
FY 2006	TRADOC Schools and Centers Ft Monroe, VA	MIPR	HQ TRADOC DCSRM	Feb 06	TBS			N/A	N/A	N/A
FY 2007	TRADOC Schools and Centers Ft Monroe, VA	MIPR	HQ TRADOC DCSRM	TBS	TBS			N/A	N/A	N/A

REMARKS:

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

Date: February 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										Continuing	Continuing
Gross Cost	59.3	102.7	69.0	19.6	37.4	74.6	28.1	24.4	24.3	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	59.3	102.7	69.0	19.6	37.4	74.6	28.1	24.4	24.3	Continuing	Continuing
Initial Spares											
Total Proc Cost	59.3	102.7	69.0	19.6	37.4	74.6	28.1	24.4	24.3	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**  
 The Air and Missile Defense Planning and Control System (AMDPCS) is an Army Objective Force System that provides integration of Air and Missile Defense (AMD) operations at all echelons. AMDPCS systems are deployed with Air Defense Artillery (ADA) brigades, Army Air and Missile Defense Commands (AAMDCs), and Air Defense and Airspace Management (ADAM) Cells at the Brigade Combat Teams (BCTs), Fires Brigades and Divisions. AMDPCS systems also provide air defense capabilities to Homeland Defense systems. The development of ADAM Cells is essential in fulfilling the Army's Modularity requirement. ADAM Cells provide the Commander at BCTs, Brigades and Divisions with air defense situational awareness and airspace management capabilities. They also provide the interoperability link with Joint, multinational and coalition forces. AMDPCS components are vital in the transformation of ADA units and the activation of the Maneuver Air & Missile Defense (MAMD) Composite Battalions. AMDPCS provides these organizations with shelters, automated data processing equipment, tactical communications, standard vehicles and tactical power, and the two major software systems used in air defense force operations/engagement operations: the Air and Missile Defense Workstation (AMDWS) and the Air Defense System Integrator (ADSI). The AMDWS is a missile defense staff planning and battlespace situational awareness tool that provides commanders at all echelons with a common tactical and operational air picture. The AMDWS is being fielded to all AMDPCS units, including the ADA Brigades, the AAMDCs and the ADAM Cells, as well as to the Maneuver Air and Missile Defense Battalions and Batteries. AMDWS provides the Battle Command (BC) capabilities imbedded within the Warfighter Mission area. AMDWS is the Net-centric interface to BC for all components of the Air and Missile Defense (AMD) force. AMDPCS also provides the ADA Brigades, AAMDCs and ADAM Cells with a fire control system via the ADSI, which monitors and controls air battle engagement operations by subordinate or attached air defense units. In support of Joint Command and Control operations, the AMDPCS is the Army component of interoperable Joint Theater Air and Missile Defense (JTAMD) BM/C4I. The AMDPCS enables coordination of Active, Passive and air defense Attack Operations, as well as providing a correlated single integrated air picture (SIAP) to Army AMD and Joint Forces. A significant accomplishment in the 3rd and 4th QTR, FY05, was the fielding of ADAM Cells to the BCTs and Divisional TAC1/TAC2 in the 4th Infantry Division, the 10th Mountain Division, and the 101st Air Assault Division. Fielding of ADAM Cells to the 1st Calvary Division and the 25th Infantry Division TACs and BCTs continues in the 2nd and 3rd QTR, FY06. In support of the Global War on Terrorism (GWOT), AMDWS and ADSIs are vital components of the ADA units, the AAMDC and ADAM Cells that are deployed in Iraq and Afghanistan. In addition, these components have been integrated into non-ADA higher headquarters such as the Coalition Forces Land Component Command (CFLCC). AMDWS is a critical component in the integration and fielding of a Counter-Rocket, Artillery and Mortar (C-RAM) capability to Forward Operating Bases (FOBs) in Iraq and elsewhere. These AMDPCS systems provide the common tactical air picture, a major component of the Common Operating Picture (COP), and are critical to the development and planning of offensive and defensive operations.

**Justification:**

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

Date:

February 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics EquipmentP-1 Item Nomenclature  
AIR & MSL DEFENSE PLANNING & CONTROL SYS (AMD PCS) (AD5070)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

FY08/09 funding procures the integration and fielding of ADAM Cells for the following units: FY08 - four ADAMS deploying with the XVIII Corps Headquarters and three ARNG Infantry BCTS. Funding also provides for limited software maintenance and support to include Field Service Representative (FSR) of newly deployed systems.

FY06 total includes supplemental funding of \$100 million to support the global war on terrorism (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: AIR & MSL DEFENSE PLANNING & CONTROL SYS (AMD PCS) (AD5070)			Weapon System Type:			Date: February 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
1. System Integration/Hardware		67994	31	2193	44598	16	2787	9790	4	2448	21938	9	2438
2. Project Management Administration		2510			2673			2729			2969		
3. Fielding (TPF,NET)		15539			11174			2800			5630		
4. Contractor Field Support		13800			8369			2572			4745		
5. Software Maintenance Support		2873			2197			1720			2068		
<b>Total:</b>		<b>102716</b>			<b>69011</b>			<b>19611</b>			<b>37350</b>		

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

Date:  
February 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: AIR & MSL DEFENSE PLANNING & CONTROL SYS (AMD PCS) (AD5070)							
<b>1. System Integration/Hardware</b>										
FY 2006	Northrop Grumman/NGMS (TRW) Huntsville, AL	C	AMCOM	Feb 06	Jun 06	31	2193	Yes		
FY 2007	Northrop Grumman/NGMS (TRW) Huntsville, AL	C	AMCOM	Dec 06	May 07	16	2787	Yes		
FY 2008	Northrop Grumman/NGMS (TRW) Huntsville, AL	C	AMCOM	Dec 07	Jun 08	4	2448			
FY 2009	Northrop Grumman/NGMS (TRW) Huntsville, AL	C	AMCOM	Dec 08	Jun 09	9	2438			

REMARKS:

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

Date: February 2007

Appropriation / Budget Activity / Serial No: P-1 Item Nomenclature  
 Other Procurement, Army / 2 / Communications and Electronics Equipment 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	278	64	41	36	38	41	41	40	39		618
Gross Cost	136.2	112.8	74.1	68.3	73.4	80.5	85.2	87.7	90.0		808.2
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	136.2	112.8	74.1	68.3	73.4	80.5	85.2	87.7	90.0		808.2
Initial Spares											
Total Proc Cost	136.2	112.8	74.1	68.3	73.4	80.5	85.2	87.7	90.0		808.2
Flyaway U/C											
Weapon System Proc U/C	0.5	1.8	1.8	1.9	1.9	2.0	2.1	2.2	2.3		16.4

**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 (M113 base) 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 Bradley Fire Support Team (BFIST)/M707 Knight and the Stryker Fire Support Vehicle. The common components are:  
 > FS3 (Fire Support Sensor System) mounted sensor  
 > Targeting Station Control Panel  
 > Mission Processor Unit  
 > Inertial Navigation Unit  
 > Defense Advanced Global Positioning System Receiver  
 > Power Distribution Unit  
 > Stand-alone Computer Unit  
 Additionally the Armored Knight is configured with 3 Single Channel Ground to Air Radio Systems (SINCGARS), Force XX1 Battle Command, Brigade and Below (FBCB2)/Blue Force Tracking (BFT), Driver's Display Unit (DDU), Vehicle Intercom System (VIS), etc.

**Justification:**  
 FY08/FY09 procures 74 M1200 Armored Knight Vehicles. This will enable Knight to meet the Army's modularity 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.

FY06/07 totals include supplemental funding of \$112.8 million and \$50 million respectively, to support the global war on terrorism (GWOT).



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

Date: February 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	278	64	41	36	38	41	41	40	39		618
Gross Cost	136.2	112.8	74.1	68.3	73.4	80.5	85.2	87.7	90.0		808.2
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	136.2	112.8	74.1	68.3	73.4	80.5	85.2	87.7	90.0		808.2
Initial Spares											
Total Proc Cost	136.2	112.8	74.1	68.3	73.4	80.5	85.2	87.7	90.0		808.2
Flyaway U/C											
Weapon System Proc U/C	0.5	1.8	1.8	1.9	1.9	2.0	2.1	2.2	2.3		16.4

**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 (M113 base) 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 Bradley Fire Support Team (BFIST)/M707 Knight and the Stryker Fire Support Vehicle. The common components are:  
 > FS3 (Fire Support Sensor System) mounted sensor  
 > Targeting Station Control Panel  
 > Mission Processor Unit  
 > Inertial Navigation Unit  
 > Defense Advanced Global Positioning System Receiver  
 > Power Distribution Unit  
 > Stand-alone Computer Unit  
 Additionally the Armored Knight is configured with 3 Single Channel Ground to Air Radio Systems (SINCGARS), Force XX1 Battle Command, Brigade and Below (FBCB2)/Blue Force Tracking (BFT), Driver's Display Unit (DDU), Vehicle Intercom System (VIS), etc.

**Justification:**  
 FY08/FY09 procures 74 M1200 Armored Knight Vehicles. This will enable Knight to meet the Army's modularity 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.

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: KNIGHT-COMMAND AND CONTROL SYSTEM (B78500)			Weapon System Type:			Date: February 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
Hardware Costs													
Armored Knight Production		32995	64	516	21624	41	527	20962	36	582	22593	38	595
FS3 Sensor		19648	64	307	12876	41	314	11546	36	321	12444	38	327
Chassis (ASV)		46081	64	720	28372	41	692	25442	36	707	27420	38	722
<b>SUBTOTAL</b>		<b>98724</b>			<b>62872</b>			<b>57950</b>			<b>62457</b>		
Engineering Contractor		3018			4778			4292			4433		
Government Support		1565			1525			1635			1669		
Fielding		6344			4231			3657			4052		
Test & Evaluation		3149			730			746			762		
<b>SUBTOTAL</b>		<b>14076</b>			<b>11264</b>			<b>10330</b>			<b>10916</b>		
<b>Total:</b>		<b>112800</b>			<b>74136</b>			<b>68280</b>			<b>73373</b>		

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

Date:  
February 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>Armored Knight Production</b>										
FY 2006	DRS-SSI West Plains, MO	SS/FFP	TACOM, Warren, MI	Sep 06	Mar 08	64	516	yes		
FY 2007	DRS-SSI West Plains, MO	SS/FFP	TACOM, Warren, MI	Nov 06	Jan 09	41	527	yes		
FY 2008	DRS-SSI West Plains, MO	SS/FFP	TACOM, Warren, MI	Jan 08	Jul 09	36	582	yes		
FY 2009	DRS-SSI West Plains, MO	SS/FFP	TACOM, Warren, MI	Jan 09	Jul 10	38	595	yes		
<b>FS3 Sensor</b>										
FY 2006	Raytheon Corp. McKinney TX	SS/FFP	TACOM, Warren, MI	Jul 06	Oct 07	64	307	yes		
FY 2007	Raytheon Corp. McKinney TX	SS/FFP	TACOM, Warren, MI	Nov 06	Feb 08	41	314	yes		
FY 2008	Raytheon Corp. McKinney TX	SS/FFP	TACOM, Warren, MI	Jan 08	Mar 09	36	321	yes		
FY 2009	Raytheon Corp. McKinney TX	SS/FFP	TACOM, Warren, MI	Jan 09	Mar 10	38	327	yes		
<b>Chassis (ASV)</b>										
FY 2006	Textron Marine & Land Systems New Orleans, LA	Options	TACOM, Warren, MI	Sep 06	Sep 07	64	720	No		
FY 2007	Textron Marine & Land Systems New Orleans, LA	Options	TACOM, Warren, MI	Nov 06	Jul 08	41	692	No		
FY 2008	Textron Marine & Land Systems New Orleans, LA	Options	TACOM, Warren, MI	Jan 08	Jan 09	36	707	No		
FY 2009	Textron Marine & Land Systems New Orleans, LA	Options	TACOM, Warren, MI	Jan 09	Jan 10	38	722	No		

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

<b>FY 06 / 07 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE KNIGHT-COMMAND AND CONTROL SYSTEM (B78500)	Date: February 2007
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COST ELEMENTS						Fiscal Year 06													Fiscal Year 07													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 06													Calendar Year 07																																																																																												
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O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S																																																																												
C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	A	A	U	U	U	P	C	V	C	N	B	R	P	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	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	5	16		1	0	12	18	30	The ASV contract is part of the overall procurement buy with PM Tactical Wheeled Vehicles.
							0	2	26	28	
	2 Raytheon Corp., McKinney TX	5	45	60		2	0	10	15	25	
							0	2	15	17	
	3 Textron Marine & Land Systems, New Orleans, LA	1	12	48		3	0	12	12	24	
							0	2	20	22	

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE KNIGHT-COMMAND AND CONTROL SYSTEM (B78500)	Date: February 2007
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COST ELEMENTS						Fiscal Year 08													Fiscal Year 09													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 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			
2. FS3 Sensor																																
2	FY 06	A	64	0	64	10	15	15	15		9																	0				
2	FY 07	A	41	0	41					13	20		8															0				
2	FY 08	A	36	0	36				A												10	10	10	6				0				
2	FY 09	A	38	0	38																A							38				
3. Chassis (ASV)																																
3	FY 06	A	64	7	57	4	6	7	7	7	7	8	8	3														0				
3	FY 07	A	41	0	41									8	7	7	7	7	5									0				
3	FY 08	A	36	0	36				A												3	3	3	3	3	3	3	9				
3	FY 09	A	38	0	38																A							38				
1. Armored Knight Production																																
1	FY 06	A	64	0	64						7	4	6	6	6	7	7	7	8									0				
1	FY 07	A	41	0	41																8	7	7	7	7	5		0				
1	FY 08	A	36	0	36				A																3	3	3	27				
1	FY 09	A	38	0	38																A							38				
Total			537	7	530	14	21	22	22	20	43	12	22	9	14	13	14	14	14	13	11	10	20	20	20	14	6	6	6	150		
						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	5	16		1	Initial	0	12	18	30	The ASV contract is part of the overall procurement buy with PM, Tactical Wheeled Vehicles.
						1	Reorder	0	2	26	28	
2	Raytheon Corp., McKinney TX	5	45	60		2	Initial	0	10	15	25	
						2	Reorder	0	2	15	17	
						3	Initial	0	12	12	24	
						3	Reorder	0	2	20	22	
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE KNIGHT-COMMAND AND CONTROL SYSTEM (B78500)	Date: February 2007
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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			
2. FS3 Sensor																																
2	FY 06	A	64	64																									0			
2	FY 07	A	41	41																									0			
2	FY 08	A	36	36																									0			
2	FY 09	A	38	0	38						10	10	10	8															0			
3. Chassis (ASV)																																
3	FY 06	A	64	64																									0			
3	FY 07	A	41	41																									0			
3	FY 08	A	36	27	9	3	3	3	3																				0			
3	FY 09	A	38	0	38					3	3	3	4	3	3	3	4	3	3	3	3								0			
1. Armored Knight Production																																
1	FY 06	A	64	64																									0			
1	FY 07	A	41	41																									0			
1	FY 08	A	36	9	27	3	3	3	3	3	3	3	3																0			
1	FY 09	A	38	0	38									3	3	3	4	3	3	3	3	4	3	3	3	3			0			
Total			537	387	150	6	6	6	6	6	16	17	16	14	6	7	6	7	6	6	3	4	3	3	3	3	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	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	5	16		1	Initial	0	12	18	30	The ASV contract is part of the overall procurement buy with PM, Tactical Wheeled Vehicles.
							Reorder	0	2	26	28	
2	Raytheon Corp., McKinney TX	5	45	60		2	Initial	0	10	15	25	
							Reorder	0	2	15	17	
						3	Initial	0	12	12	24	
							Reorder	0	2	20	22	
							Initial					
							Reorder					
							Initial					
							Reorder					

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

Date: February 2007

Appropriation / Budget Activity / Serial No: P-1 Item Nomenclature  
 Other Procurement, Army / 2 / Communications and Electronics Equipment LIFE CYCLE SOFTWARE SUPPORT (LCSS) (BD3955)

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	70.2	1.9	2.0	2.1	2.1	1.9	1.8	1.9	1.9	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	70.2	1.9	2.0	2.1	2.1	1.9	1.8	1.9	1.9	Continuing	Continuing
Initial Spares											
Total Proc Cost	70.2	1.9	2.0	2.1	2.1	1.9	1.8	1.9	1.9	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**  
 Life Cycle Software Engineering (LCSE) support, by the Software Engineering Center (SEC), provides the essential equipment needed to maintain Communications-Electronics Life Cycle Management Command (C-E LCMC) managed fielded Battlefield Automated Systems (BAS) and Information Systems (IS) in a state of operational readiness. Approximately 200 BASs/ISs directly depend on LCSE support to maintain a posture of mission critical readiness. LCSE support is essential for the acquisition, operation, maintenance and sustainment of multi-host computer systems, peripherals, interfaces, support equipment, test beds, components, and software used to provide the necessary services and support to maintain BASs in the state of operational readiness. Policy for Post Production Software Support (PPSS) requires that system managers provide initial host capabilities for new systems and that the Life Cycle Software Engineering Centers (LCSEC) provide upgrades and replacement of obsolete equipment. Significant portions of host and network equipment are no longer economically repairable or are reaching obsolescence. There is a requirement to respond to emergency requests from the field for Software Engineering support in order to maintain operational readiness of deployed BASs. With host computers and peripherals having a life span of approximately five years and SEC performing its mission over a continuous period of time beyond five years, equipment must be replaced and/or upgraded regularly to deal with obsolescence and take advantage of the continual improvements in technology that are indigenous to high-technology based weapon systems and their software support environments. SEC must complete these upgrades in order to meet the ever-increasing mission requirements imposed by the field.

**Justification:**  
 FY 2008/09 procures the following items: 1) An equipment upgrade to the Counter Remote Control Improvised Explosive Device Electronic Warfare (CREW) Simulator which includes the expansion of two subsystems, the Dynamic Communication Environment Simulator (DyCES) and the Signal Analysis and Measurement System (SAMS). 2) Equipment for the Battle Command (BC) Software Integration Lab (SIL) to provide a common, co-located suite of development and target platforms to perform product assessments, experimentation, testing, and training in support of Army Battle Command Systems (ABCS) Post-Production Software Support (PPSS) activities. 3) Hardware and software to provide a Disaster Recovery (DR) capability and Continuity of Operations Procedure (COOP) for critical data, ensuring the continued performance of essential functions.

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

Date: February 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	158.3	65.3	103.7	71.0	84.1	86.9	92.3	50.9	58.2	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	158.3	65.3	103.7	71.0	84.1	86.9	92.3	50.9	58.2	Continuing	Continuing
Initial Spares											
Total Proc Cost	158.3	65.3	103.7	71.0	84.1	86.9	92.3	50.9	58.2	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**

This program provides state-of-the-art technologies used with automated logistics systems to facilitate and expedite supply and property receiving, distribution, storage, inventory management and accountability. This facilitates rapid and accurate data capture, retrieval and transmission. The technology includes various radio frequency identification and barcode scanning devices, barcode label and page printers, and various data carrier devices with associated readers and writers. The data carrier devices include optical laser cards, Personal Computer (PC) memory cards, optical memory buttons, and wireless Local Area Network (LAN) technology. Automatic Identification Technology (AIT) is used throughout the Army at the wholesale and retail supply levels and in automated maintenance, personnel and transportation systems, where rapid and accurate source data collection is required. The AIT contract establishes a baseline of AIT devices for use throughout the Department of Defense (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 state-of-the-art Radio Frequency Identification (RFID) technologies.

(Formerly known as LogTech)

**Justification:**

FY08/09 procures fielding support to Standard Army Management Information System (STAMIS) and other Information Technology (IT) systems with AIT, printers, and peripherals, engineering and fielding of Radio Frequency Identification Intransit Visibility (RFID ITV) technologies including AIT for the Global Combat Support System-Army (Field/Tactical) (GCSS-Army (F/T)), the primary enabler of the Army's Combat Support/Combat Service Support (CS/CSS) transformation. FY08/09 funding also procures the expansion and global technology refresh to the RFID ITV Infrastructure, Automated Manifest System (AMS) Tactical refresh and advance capability insertion, and new product analysis and certification that directly supports all Combatant Commanders (COCOM) requirements for operations within their Area of Operational Responsibility (AOR). In addition FY08/09 procures AIT technology insertion (Contact Memory Buttons (CMB/Aviation) to support the DOD IUID (Item Unique Identification) policy along with Field Data Unit (FDU) and RF ITV server refresh and modernization as well as Internet Protocol Version 6 (IPv6) accommodation, the introduction of passive RFID Electronic Product Code technology, Wireless Security, Sensor Tag and MH10 Tag format.



<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: February 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
AIT Peripherals GCSS-Army F/T	A	18073			28142			76			3969		
AIT Peripherals	A	4767			10747			13123			17055		
AIT Peripherals unit cost varies by item													
Radio Frequency Network Infrastructure Components	A	14431			37108			34426			38489		
Project Management Spt - Government	A	3681			3963			4280			4622		
Engineering Support	A	24340			23757			19129			19946		
<b>Total:</b>		<b>65292</b>			<b>103717</b>			<b>71034</b>			<b>84081</b>		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: Automatic Identification Technology (BZ8889)								
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>AIT Peripherals GCSS-Army F/T</b>										
FY 2006	Intermec Everett, WA	C/FFP	ITEC4	May 06	Jun--06			Yes		
FY 2006	Intermec Everett, WA	C/FFP	ITEC4	Aug 06	Sep 06					
FY 2007	Intermec Everett, WA	C/FFP	ITEC4	May 07	Jun 07			Yes		
FY 2008	Intermec Everett, WA	C/FFP	ITEC4	May 08	May 08					
FY 2009	Intermec Everett, WA	C/FFP	ITEC4	May 09	Jun 09					
<b>Radio Frequency Network Infrastructure</b>										
FY 2006	Savi Technology Sunnyvale, CA	C/FFP	ITEC4	Feb 06	Apr 06					
FY 2006	Savi Technology Sunnyvale, CA	C/FFP	ITEC4	Jan 06	Mar 06			Yes		
FY 2007	Savi Technology Sunnyvale, CA	C/FFP	ITEC4	Dec 06	Feb 07			Yes		
FY 2008	Savi Technology Sunnyvale, CA	C/FFP	ITEC4	Dec 07	Feb 08					
FY 2009	Savi Technology Sunnyvale, CA	C/FFP	ITEC4	Dec 08	Feb 09					
<b>Engineering Support</b>										
FY 2006	Unisys Reston, VA	C/FP	DISA	Dec 05	Jan 06					
FY 2006	Unisys Reston, VA	C/FP	DISA	Mar 06	Apr 06					
FY 2006	Unisys Reston, VA	C/FP	DISA	Nov 05	Dec 05			Yes		
FY 2007	Unisys Reston, VA	C/FP	DISA	Nov 06	Jan 07			Yes		
FY 2007	TBD	C/FP	DISA	May 07	Jul 07					
FY 2008	TBD	C/FP	DISA	Nov 07	Jan 08					
FY 2009	TBD	C/FP	DISA	Nov 08	Jan 09					

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

Date:  
February 2007

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

REMARKS: REMARKS: ITEC4 - Information Technology E-Commerce and Commercial Contracting Center.  
DISA - Defense Information Systems Agency

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

Date: February 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	105.4	14.9	29.9	29.0	31.5	17.6	16.3	13.6	21.9	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	105.4	14.9	29.9	29.0	31.5	17.6	16.3	13.6	21.9	Continuing	Continuing
Initial Spares											
Total Proc Cost	105.4	14.9	29.9	29.0	31.5	17.6	16.3	13.6	21.9	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**  
The Transportation Information Systems (TIS) Project 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 II provides the unit the critical capability by enabling Sustainment operations that enable and improve combat readiness through improved operational readiness for combat systems.

Cargo Movement Operations System (CMOS) will interface with TC-AIMS II and provide the sole DoD capability to automate a Theater Distribution Center's (TDC) operations. CMOS is operating in 21st Theater Support Command and automates the receipt, cross-docking, manifesting and shipment of cargo arriving via all modes to all supported destinations. This automated TDC provides visibility and traceability of items being distributed to deployed forces and retrograded to National providers.

**Justification:**  
FY08/09 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.

FY07 total includes supplemental funding of \$.124 million to support the global war on terrorism (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: TC AIMS II (BZ8900)			Weapon System Type:			Date: February 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
Deployment Support & Training	A	8112			9067			10023			11097		
Hardware & Automated Info Technology	A	6784			20856			19014			20403		
<b>Total:</b>		<b>14896</b>			<b>29923</b>			<b>29037</b>			<b>31500</b>		

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

Date:  
February 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>Deployment Support &amp; Training</b>										
FY 2006	CSC Springfield, VA	C/CPAF	GSA/FEDSIM	Apr 06	Apr 06			YES		
FY 2006	Titan Systems Springfield, VA	T&M	ITEC4	Sep 05	Sep 05			YES		
FY 2007	TBS	C/CPAF	GSA/FEDSIM	TBD	TBD			YES		
FY 2007	Titan Systems Springfield, VA	T&M	ITEC4	Sep 06	Sep 06			YES		
FY 2008	TBS	C/CPAF	GSA/FEDSIM	TBD	TBD			YES		
FY 2008	Titan Systems Springfield, VA	T&M	ITEC4	Sep 07	Sep 07			YES		
<b>Hardware &amp; Automated Info Technology</b>										
FY 2006	VAR*	C/FP	ITEC4 or GSA	Nov 05	Jan 06			YES		
FY 2006	VAR*	C/FP	ITEC4 or GSA	Feb 06	May 06			YES		
FY 2006	VAR*	C/FP	ITEC4 or GSA	May 06	Jul 06			YES		
FY 2007	VAR*	C/FP	ITEC4 or GSA	Oct 06	Jan 07			YES		
FY 2007	VAR*	C/FP	ITEC4 or GSA	Jan 07	Apr 07			YES		
FY 2007	VAR*	C/FP	ITEC4 or GSA	Apr 07	Jul 07			YES		
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		

REMARKS: Contractors are:  
 GSA/FEDSIM (Government Services Administration Federal System Integration and Management Center)  
 ITEC4 (Information Technology & Electronic Commerce Commercial Contracting Center)  
 TBS (To Be Selected)  
 VAR\* (Various Contractor Services and Configurations vary by site)

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

Date: February 2007

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

P-1 Item Nomenclature  
Joint Network Management System (JNMS) (B95700)

Program Elements for Code B Items:  
64786.363

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	19.9	10.9	8.2	10.7	11.1	10.0					70.9
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	19.9	10.9	8.2	10.7	11.1	10.0					70.9
Initial Spares											
Total Proc Cost	19.9	10.9	8.2	10.7	11.1	10.0					70.9
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The Joint Network Management System (JNMS) is a Combatant Commander and Commander, Joint Task Force (CJTF) joint communications planning and network management tool providing network management support at the Joint Task Force (JTF) and Joint Communications Control Center (JCCC) level. JNMS is an automated network management software system. It will promote force level situational awareness; provide enhanced flexibility to support the commander's intent; improve management of scarce spectrum resources and provide increased security of critical systems and networks. It will provide communications planners with a common set of tools to conduct high level planning (war planning); detailed planning and engineering for voice, data, and message systems; network/system monitoring and control; network performance assessment and modeling, bandwidth management; and security of transmission and satellite systems. JNMS consists of commercial and government off-the-shelf software modules integrated on a commercial hardware platform. J-6 has directed the network planning and network management capabilities of JNMS be hosted on a laptop computer.

**Justification:**

FY 2008 and FY 2009 funds procure a total of sixty four (64) JNMS systems, software maintenance services, as well as new equipment training and JNMS fielding support.

<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 Management System (JNMS) (B95700)			Weapon System Type:			Date: February 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>Production System</b>														
JNMS Hardware			564	6	94	202	51	4	132	33	4	124	31	4
Software License			3074			1890			1337			1296		
Software Maintenance			2984			2897			4142			4651		
System Integration/ Fldg/NET			2120			1325			3125			3050		
<b>Engineering Support</b>														
Government			918			527			550			565		
Contractor			768			1096			1125			1140		
Initial Spares			180			65			57			53		
Other Logistics			253			220			253			253		
<b>Other</b>														
Data			24			24			24					
<b>Total:</b>			<b>10885</b>			<b>8246</b>			<b>10745</b>			<b>11132</b>		



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

Date:  
February 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: Joint Network Management System (JNMS) (B95700)							
<b>JNMS Hardware</b> FY 2006	SAIC San Diego, CA	C/FFP	CECOM	Dec 05	Apr 06	6	94.00	Y		
FY 2007	SAIC San Diego, CA	C/FFP	CECOM	Feb 07	Apr 07	51	4.00	Y		
FY 2008	SAIC San Diego, CA	C/FFP	CECOM	Dec 07	Feb 08	33	4.00	Y		
FY 2009	SAIC San Diego, CA	C/FFP	CECOM	Dec 08	Feb 09	31	4.00	Y		

REMARKS:

**FY 06 / 07 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
Joint Network Management System (JNMS) (B95700)

Date: February 2007

COST ELEMENTS						Fiscal Year 06													Fiscal Year 07													Later
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 06													Calendar Year 07													
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
JNMS Hardware																																
1	FY 06	A	6	0	6					A					1	1	1	2	1									0				
1	FY 07	A	51	0	51																			A		7	5	10	7	11	11	0
1	FY 08	A	33	0	33																										33	
1	FY 09	A	31	0	31																										31	
Total															1	1	1	2	1							7	5	10	7	11	11	64

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			1	1	1	2	
1	SAIC, San Diego, CA	1	15	20		1	Initial	1	1	1	2
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				

**FY 08 / 09 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
Joint Network Management System (JNMS) (B95700)

Date: February 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					
JNMS Hardware																																		
1	FY 06	A	6	6																								0						
1	FY 07	A	51	51																								0						
1	FY 08	A	33	0	33			A	5	5	5	5	5	5	3													0						
1	FY 09	A	31	0	31														A	5	5	5	5	5	5	5	1	0						
Total									5	5	5	5	5	5	3						5	5	5	5	5	5	5	1						
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
1	SAIC, San Diego, CA	1	15	20		1	Initial	1	1	2	
							Reorder	1	1	2	
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				

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

Date: February 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	36.7	61.7	11.3	9.2	3.9						122.8
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	36.7	61.7	11.3	9.2	3.9						122.8
Initial Spares											
Total Proc Cost	36.7	61.7	11.3	9.2	3.9						122.8
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The Tactical Internet Management System (TIMS) is based on an Operational Requirements Document (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 XX1 Brigade and Below (FBCB2) as well as TOC LANs.

**Justification:**

FY08 and FY09 will procure training for new software upgrade, Contractor Field Support and Post Deployment Software Support (PDSS) for units in the field. The software upgrade provides an improved capability for the S-6/G-6 to initialize the Tactical Operations Center and Lower Tactical Internet networks.

<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: February 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>TIMS</b>													
Production System													
TIMS GFE-Laptops		3024	378	8	856	107	8						
Initial and Repair Spares		126			32								
New Equipment Training		2607			858								
Contractor Log Support/Training		4501			3240			3667			1447		
Other (PDSS)		4398			4128			3663			1662		
Government Engineering		2096			2195			1885			805		
Data Products		44966											
<b>Total:</b>		<b>61718</b>			<b>11309</b>			<b>9215</b>			<b>3914</b>		

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

Date:  
February 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>TIMS GFE-Laptops</b>										
FY 2006	GTSI Chantilly, Va.	IDIQ	Ft Monmouth NJ	Mar 06	Apr 06	378	8	Yes		
FY 2007	GTSI Chantilly, Va.	IDIQ	Ft Monmouth NJ	Mar 07	Apr 07	107	8	Yes		

REMARKS: FY08 and FY09 does not procure hardware. Funds will procure training for new software upgrade, Contractor Field Support and Post Deployment Software Support (PDSS) for units in the field. The software upgrade provides an improved capability for the S-6/G-6 to initialize the Tactical Operations Center and Lower Tactical Internet networks.

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

Date: February 2007

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

P-1 Item Nomenclature  
DATA PRODUCTS (BA9315)

Program Elements for Code B Items:  
Data Products

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				36.1	30.3						66.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				36.1	30.3						66.4
Initial Spares											
Total Proc Cost				36.1	30.3						66.4
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

Data Products are required to initialize the digitized battlefield systems. Data Products refers to the collection of information/data required to plan and initialize Battle Command Systems like FBCB2 and Army Battle Command Systems (ABCS). Information/Data includes: FBCB2 database, Op Center database, system architecture, graphical architecture view (GAV) and LDIF (address book). Data Products provide the Integrated Initialization Data required for digital systems to interoperate. Data Products provide the Warfighter a graphical view of Tactical Operations Center and platform configuration as well as the required interconnects.

**Justification:**

FY2008 and FY2009 will procure system architecture, testing, and database development for the Army Battle Command Systems. In accordance with the current Unit Set Fielding schedule, we will deploy to 55 Army BCTs in FY08 and 52 BCTs in FY09.

<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: DATA PRODUCTS (BA9315)			Weapon System Type:			Date: February 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
Sys Arch and Data Products								26590			22066		
Test								5123			3642		
Government Engineering/Management								2198			2264		
Training/Fielding								2231			2303		
<b>Total:</b>								<b>36142</b>		<b>657</b>	<b>30275</b>		<b>582</b>



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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: DATA PRODUCTS (BA9315)							
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>Sys Arch and Data Products</b>										
FY 2008	Computer Sciences Corp Eatontown, NJ		Ft. Monmouth, NJ	Apr 08						
FY 2009	Computer Sciences Corp Eatontown, NJ		Ft. Monmouth, NJ	Apr 09						

REMARKS:

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

Date: February 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										Continuing	Continuing
Gross Cost	145.9	99.2	76.7	120.8	113.3	92.5	100.2	73.1	72.0	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	145.9	99.2	76.7	120.8	113.3	92.5	100.2	73.1	72.0		893.7
Initial Spares											
Total Proc Cost	145.9	99.2	76.7	120.8	113.3	92.5	100.2	73.1	72.0	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**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, shared operational picture.

**Justification:**

FY08 and FY09 procures MCS systems for initial fielding to brigades of one Army Division, Corps Headquarters, thirteen Army Reserve and National Guards Brigade Combat Teams, four Army Reserve and National Guard Sustainment Brigades, four Army Reserve and National Guard Support Brigades and two Fire Brigade in support of Operation Iraqi Freedom/Operation Enduring Freedom and the Unit Set Fielding Schedule.

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

Date:

February 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics EquipmentP-1 Item Nomenclature  
MANEUVER CONTROL SYSTEM (MCS) (BA9320)Program Elements for Code B Items:  
PE 0203740A Project 484Code:  
B

Other Related Program Elements:

FY06 total includes supplemental funding of \$56.0 million to support the global war on terrorism (GWOT).

OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		Total Cost \$000	Qty Units	Unit Cost \$000	Total Cost \$000	Qty Units	Unit Cost \$000	Total Cost \$000	Qty Units	Unit Cost \$000	Total Cost \$000	Qty Units	Unit Cost \$000
MCS Work Stations		13452	1818	7	10691	1442	7	2607	533	5	2988	592	5
CHS Hardware Upgrades		-											
SICPS		-											
Training Base Hardware & Upgrades		3091			10016			946			2032		
Peripherals: (Servers, Storage Devices, Displays, etc.)		11790			12826			5119			8093		
CPOF		42700			12779			84081			71141		
Project Management/Support		4330			4429			4523			4619		
Fielding: (Trainers, Initial Fielders, and Field Support Teams)		17152			15180			15792			15725		
ABCS Digital Sys Engrs (DSE) Spt		-											
Interim Contractor Support		-											
Software Licenses, Software Support		2628			8816			5667			6658		
OTHER: CTSF Support		4075			1977			2032			2068		
<b>Total:</b>		<b>99218</b>			<b>76714</b>			<b>120767</b>			<b>113324</b>		

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

Date:  
February 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>MCS Work Stations</b>										
FY 2006	General Dynamics Taunton, MA	C/FP/OPT	C-E LCMC, Ft Monmouth, NJ	Jan 06	Jul 06	1818	7	Yes		
FY 2007	General Dynamics Taunton, MA	C/FP/OPT	C-E LCMC, Ft Monmouth, NJ	Jan 07	Jul 07	1442	7	Yes		
FY 2008	Army Small Computer Program Ft Monmouth, NJ	ID/IQ	Ft Monmouth, NJ	Jan 08	Jul 08	533	5	Yes		
FY 2009	Army Small Computer Program Ft Monmouth, NJ	ID/IQ	Ft Monmouth, NJ	Jan 09	Jul 09	592	5	Yes		

REMARKS:

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

Date: February 2007

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

P-1 Item Nomenclature  
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										Continuing	Continuing
Gross Cost	719.1	124.7	137.4	53.6	129.9	121.3	202.0	216.2	282.3	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	719.1	124.7	137.4	53.6	129.9	121.3	202.0	216.2	282.3	Continuing	Continuing
Initial Spares											
Total Proc Cost	719.1	124.7	137.4	53.6	129.9	121.3	202.0	216.2	282.3	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**

The Single Army Logistics Enterprise is the overarching concept for achieving Army-wide integration of Combat Service Support (CSS) (supply, maintenance, ammunition supply, and personnel management) data. SALE has the funding subcomponents of Standard Army Computers (STACOMP) and Product Life Cycle Management Plus (PLM+). The SALE funding acquires hardware and fielding resources for the current operations of CSS units across the Army, and for the support of emerging CSS applications such as the Global Combat Support System Army (GCSS-Army) and the Personnel Transformation-Army enterprise Human Resource (Army eHR) System.

**Justification:**

FY08/09 procures and fields computers for life cycle and transformation replacements for CSS that are essential for day-to-day operations of the Army. FY08/09 also procures hardware/licenses for emerging CSS systems including GCSS-A, PLM+, and Electronic Military Personnel Office (e-MILPO).

FY06/07 totals include supplemental funding of \$.600 million and \$36.0 million respectively to support the global war on terrorism (GWOT).

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

Date: February 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										Continuing	Continuing
Gross Cost	785.8	118.1	133.3	50.3	129.9	121.3	202.0	211.2	278.6	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	785.8	118.1	133.3	50.3	129.9	121.3	202.0	211.2	278.6	Continuing	Continuing
Initial Spares											
Total Proc Cost	785.8	118.1	133.3	50.3	129.9	121.3	202.0	211.2	278.6	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**

Standard Army Management Information System (STAMIS) Tactical Computers (STACOMP) Commercial Off-the-Shelf (COTS) computers which are required by Combat Service Support elements within the Army to execute their missions. The STACOMP are used throughout the Army to run the application software used for support functions such as supply, maintenance and ammunition storage, and personnel management. STACOMP includes the initial acquisition and recurring life cycle replacement of those computers. STACOMP are specific to the unit mission rather than the software application. STACOMP are issued and maintained in each type unit based upon its mission, are then used to operate the type and version of software that is currently employed to perform that mission.

STACOMP hardware is used by logistical units to support the 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). Army Logistical units will retain their STACOMP hardware and transition it from these existing software applications to the Global Combat Support System Army (GCSS-Army) software as it is fielded to supplant those existing applications.

STACOMP is used by personnel management units to support a number of applications. The Army Human Resource System (AHRS) that provides commanders the necessary personnel information to make informed decisions on mobilized military personnel resources (both Active Duty and Reserve Component). The Electronic Military Personnel Office (eMILPO) that is via the AKO portal to provide a reliable, timely, and efficient mechanism for performing personnel actions and managing strength accountability. The Deployed Theater Accountability System (DTAS) that resides on the Secret Internet Protocol Router (SIPRNet) to account for military and civilian personnel in a deployed theater. The Tactical Personnel System (TPS) that interfaces with DTAS to allow soldier data to be loaded into DTAS en mass upon units arrival in theater.

STACOMP are also used to support the software development and server operations of emerging applications such as the Global Combat Support System Army, and Personnel Transformation-Army enterprise Human Resource (Army eHR) System. GCSS-Army will provide key enabling support to the transformation of Army logistics to a network-centric, knowledge-based future force Army. There will be an Army-wide electronic human resource system using a web-based military/civilian, multi-component enterprise approach for all HR functions. Funds will procure the hardware, enterprise software, and fielding and training support for the integration of these applications.

**Justification:**

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

Date:

February 2007

Appropriation / Budget Activity / Serial No:  
Other Procurement, Army / 2 / Communications and Electronics EquipmentP-1 Item Nomenclature  
STAMIS TACTICAL COMPUTERS (STACOMP) (W00800)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

FY08/09 procures and fields COTS computers to continue legacy replacement hardware and STAMIS support systems. FY08/09 also procures HRS data servers, web servers, communications equipment, data entry devices, storage upgrades and other network components, and performs Post Deployment Software Support (PDSS).



<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: STAMIS TACTICAL COMPUTERS (STACOMP) (W00800)			Weapon System Type:			Date: February 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
Current System Hardware Replacement SAARS/SAMS/SAAS/PBUSE =====	A	105667			116086			28354			103427		
STAMIS Support STAMIS Support Fielding /Training =====	A	2952			2069			2850			3859		
GCSS-Army Field/Tactical GCSS-Army F/T Hardware and Software GCSS-Army F/T Fielding/Training =====	A A	2400			10000			14864			13700 6600		
eMILPO eMILPO Hardware	A	7118			5108			4259			2288		
<b>Total:</b>		<b>118137</b>			<b>133263</b>			<b>50327</b>			<b>129874</b>		

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

Date:  
February 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>SAARS/SAMS/SAAS/PBUSE</b>										
FY 2006	GTSI Chantilly, VA	C/FP	ITEC4, Alexandria, VA	Mar 06	Apr 06			YES		
FY 2007	GTSI Chantilly, VA	C/FP	ITEC4, Alexandria, VA	Mar 07	Apr 07			YES		
FY 2008	GTSI Chantilly, VA	C/FP	ITEC4, Alexandria, VA	Mar 08	Apr 08			YES		
FY 2009	GTSI Chantilly, VA	C/FP	ITEC4, Alexandria, VA	Mar 09	Apr 09			YES		
<b>GCSS-Army F/T Hardware and Software</b>										
FY 2006	Various	C/FP	ITEC4, Alexandria, VA	Dec 05	Jan 06			YES		
FY 2007	Various	C/FP	ITEC4, Alexandria, VA	Dec 06	Jan 07			YES		
FY 2008	Various	C/FP	ITEC4, Alexandria, VA	Dec 07	Jan 08			YES		
FY 2009	Various	C/FP	ITEC4, Alexandria, VA	Dec 08	Jan 09			YES		
<b>eMILPO Hardware</b>										
FY 2006	EDS Herndon, VA	C/FP	GSA, FT Huachuca, AZ	Nov 05	Jan 06			YES		
FY 2007	EDS Herndon, VA	C/FP	GSA, FT Huachuca, AZ	Nov 06	Jan 07			YES		
FY 2008	EDS Herndon, VA	C/FP	ITEC4, Alexandria, VA	Nov 07	Jan 08			YES		
FY 2009	EDS Herndon, VA	C/FP	ITEC4, Alexandria, VA	Nov 08	Jan 09			YES		

REMARKS:

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

Date: February 2007

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

P-1 Item Nomenclature  
Product Lifecycle Management Plus (PLM+) (W11001)

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		6.6	4.1	3.2				5.0	3.7		22.7
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1		6.6	4.1	3.2				5.0	3.7		22.7
Initial Spares											
Total Proc Cost		6.6	4.1	3.2				5.0	3.7		22.7
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

GCSS-Army Product Life-Cycle Management Plus (PLM+) is the technical enabler between the Logistics Modernization Program (LMP) and GCSS-Army Field/Tactical (F/T) for establishing a fully integrated ERP. In order to achieve the SALE mission, GCSS-Army (PLM+) will provide the Hub services that will serve as the central point of data exchange for Army Logistics with all trading partners. GCSS-Army (PLM+) will ensure timely and appropriate data exchange with the proper trading partner through Optimized Messaging that will effectively route and transform message formats. Through Customer/Vendor Master Data Management all trading parties will be assured of sharing standardized and accurate data records.

**Justification:**

FY 08 procures GCSS-Army (PLM+) necessary hardware and licenses to establish a prototype system towards the roll out of capability to support an Operational assessment. In accordance with the GCSS-Army Acquisition Strategy incremental approach, GCSS-Army (PLM+) will support the implementation of supply functionality of the GCSS-Army Capabilities Development Document (CDD) for a single Operational Assessment.

<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: Product Lifecycle Management Plus (PLM+) (W11001)			Weapon System Type:			Date: February 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
PLM+ Hardware		6559			4136			3236					
<b>Total:</b>		<b>6559</b>			<b>4136</b>			<b>3236</b>					

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:		P-1 Line Item Nomenclature: Product Lifecycle Management Plus (PLM+) (W11001)						
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>PLM+ Hardware</b>										
FY 2006	Various	C/FP	ITEC4, Alexandria, VA	Dec 05	Feb 06			Yes		
FY 2007	Various	C/FP	ITEC4, Alexandria, VA	Jan 07	Feb 07			Yes		

REMARKS:

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

Date: February 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: Mounted Battle Command on the Move (MBCOTM) (BZ9970)

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										Continuing	Continuing
Gross Cost	20.0	18.9	72.7	42.0	70.5	73.4	84.2	28.3	38.2	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	20.0	18.9	72.7	42.0	70.5	73.4	84.2	28.3	38.2	Continuing	Continuing
Initial Spares											
Total Proc Cost	20.0	18.9	72.7	42.0	70.5	73.4	84.2	28.3	38.2	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**  
 This project funds the procurement of the Mounted Battle Command on the Move System. Mounted Battle Command on the Move (MBCOTM) is a Command, Control, Computers, Communications, Intelligence (C4I) mission equipment package integrated into TO&E authorized platforms which allows Brigade and above Commnders to move to the decisive point on the Battlefield. The focus of MBCOTM is to facilitate commander execution of Netcentric operations versus command post centric operations. MBCOTM provides the battle command commander situational awareness in the form of a digital common operational picture enabling a commander to maintain situational understanding while On The Move (OTM) and when physically separated from fixed command posts. MBCOTM provides battle command enablers to support war (i.e. deterring agression and coercion; fighting conflicts) and operations other than war (i.e. peacekeeping, domestic disaster relief, reducing potential conflicts, promoting regional stability, humanitarian missions and homeland security). MBCOTM supports the mission area of Command and Control. Future capabilities will include adding Joint Tactical Radio Systems (JTRS) and Wideband Gapfiller system (WGS). Future improvements will include addition of Secure Wireless Local Area Network (SWLAN), Land Warrior, and Unmanned Aerial Vehicle (UAV) feed, as well as the integration of Multiple Frequencies Time Division Multiple Access (MF-TDMA) technology which allows larger numbers of MBCOTMs to populate the battlefield and provide OTM communications services and range extension on the Battlefield. Other future enhancements will include 20 inch KU Satellite on the Move (SOTM) antenna, and beginning in FY07 the Coommon Army Marine Command and Control Vehicle (CAMC2V) architecture which will inclue 18 or 20 inch Ku/Ka SOTM antenna, MF-TDMA modem with spreading at 512kbps Tx, 1+mbps Rx, NIPR/SIPR, and wireless access point.

**Justification:**  
 FY08 and FY09 procure a total of thirty two Mounted Battle Command on the Move Systems to support the Current Force.  
 FY06 total include supplemental funding of \$18 million to support the global war on terrorism (GWOT).

OPA2 Cost Elements	ID CD	FY 06			FY 07			FY 08			FY 09		
		Total Cost \$000	Qty Units	Unit Cost \$000	Total Cost \$000	Qty Units	Unit Cost \$000	Total Cost \$000	Qty Units	Unit Cost \$000	Total Cost \$000	Qty Units	Unit Cost \$000
Non-recurring engineering													
MBCOTM Hardware Build					22704	12	1892	21895	11	1990	43890	21	2090
Initial Spares for entire fleet		463			4280			4130			6585		
Interim Contract Support/NETT Fielding		2960			3472			3575			5610		
In house/Contractor Support		5032			9961			6800			6945		
Test		350			1300			1300			1600		
Engineering Changes					4454			4300			5900		
Other		7391			26571								
MBCOTM CAMC2V Hardware Build		2663											
<b>Total:</b>		<b>18859</b>			<b>72742</b>			<b>42000</b>			<b>70530</b>		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: Mounted Battle Command on the Move (MBCOTM) (BZ9970)							
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>MBCOTM Hardware Build</b>										
FY 2006	SPARWAR Charleston, SC	MIPR	Charleston, SC	Feb 06	Feb 07	2	2600	Y		
FY 2007	TBS Ft. Monmouth, NJ	C/FFP	CECOM, Ft. Monmouth, NJ	Apr 07	Oct 07	12	1892	Y		Jan 07
FY 2008	TBS Ft. Monmouth, NJ	C/FFP	CECOM, Ft. Monmouth, NJ	Oct 07	Apr 08	11	1990	Y		
FY 2009	TBS Ft. Monmouth, NJ	C/FFP	CECOM, Ft. Monmouth, NJ	Oct 08	Apr 09	21	2090	Y		

REMARKS: Date of First Delivery is based on date MBCOTM CAMC2 B-Kits will be delivered to the vehicle platform contractor for integration. The awards in FY08 and FY09 will be options to the basic FY07 contract and are not new contracts.





<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE Mounted Battle Command on the Move (MBCOTM) (BZ9970)	Date: February 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			

MBCOTM Hardware Build																																																																																																																																							
1	FY 06	A	2	2																								0																																																																																																											
2	FY 07	A	12	0	12	2	2	2	2	2	2																	0																																																																																																											
2	FY 08	A	11	0	11	A					2	2	2	2	2	1												0																																																																																																											
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O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S																																																																																																				
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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	0			1	12				13
1	SPARWAR, Charleston, SC	2	2	2		1	Initial	0	1	12	13	There will be one contract awarded in FY07 to contractor TBS to build 44 required CAMC2 components. The total quantity will be awarded over the FY07-FY09 timeframe.
							Reorder	0	1	12	13	
2	TBS, Ft. Monmouth, NJ	3	3	3		2	Initial	0	1	6	7	
							Reorder	0	1	6	7	
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE Mounted Battle Command on the Move (MBCOTM) (BZ9970)	Date: February 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					

MBCOTM Hardware Build																																																																																																																																							
1	FY 06	A	2	2																															0																																																																																																				
2	FY 07	A	12	12																															0																																																																																																				
2	FY 08	A	11	11																															0																																																																																																				
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O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S																																																																																																				
C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	E	C	O	E	A	E	A	P	A	U	U	E																																																																																																						
T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	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	SPARWAR, Charleston, SC	2	2	2	1	Initial	0	1	12	13	There will be one contract awarded in FY07 to contractor TBS to build 44 required CAMC2 components. The total quantity will be awarded over the FY07-FY09 timeframe
						Reorder	0	1	12	13	
2	TBS, Ft. Monmouth, NJ	3	3	3	2	Initial	0	1	6	7	
						Reorder	0	1	6	7	
						Initial					
						Reorder					
						Initial					
						Reorder					
						Initial					
						Reorder					

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

Date: February 2007

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

P-1 Item Nomenclature  
GENERAL FUND ENTERPRISE BUSINESS SYSTEM (BE4168)

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			2.0	39.4	109.1						150.5
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1			2.0	39.4	109.1						150.5
Initial Spares											
Total Proc Cost			2.0	39.4	109.1						150.5
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The General Fund Enterprise Business System (GFEBS) is a Major Automated Information System (MAIS) (ACAT-1AM) that will replace 30+-year-old financial systems and other costly systems like the Standard Finance Systems (STANFINS), Standard Operations and Maintenance, Army R&D System (SOMARDS), Defense Joint Accounting System (DJAS), and Database Commitment Accounting System (DbCAS/WebCas). GFEBS will become the Department of the Army's new core financial management system for administering its general fund to improve performance, to standardize processes and to ensure future needs are met. GFEBS will be a commercial off-the-shelf (COTS) Enterprise Resource Planning (ERP) System that is certified by the Chief Financial Officers Council (CFOC) and provides the six core financial functions: general ledger management, payment management, receivables management, funds management, cost management, and reporting.

**Justification:**

FY 08/09 procures SAP software changes, training of system administrators, system operators and system users. FY 08/09 also procures fielding of SAP software and/or changes to the entire IMA installation; including tenants, such as, Reservists, the National Guard, and others. Fielding of GFEBS includes licenses for approximately 26,680 users to support the Release 1.3 deployment and required support for system initiation, fielding, and training.

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: GENERAL FUND ENTERPRISE BUSINESS SYSTEM (BE4168)			Weapon System Type:			Date: February 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
System Procurement					1992			17784			15428		
System Initiation, Implementation, and Fielding								21569			93713		
<b>Total:</b>					<b>1992</b>			<b>39353</b>			<b>109141</b>		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: GENERAL FUND ENTERPRISE BUSINESS SYSTEM (BE4168)							
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>System Procurement</b>										
FY 2007	Accenture Alexandria, VA	FFP	ITEC-4, Alexandria, VA	VAR	VAR			YES		
FY 2008	Accenture Alexandria, VA	FFP	ITEC-4, Alexandria, VA	VAR	VAR			YES		
FY 2009	Accenture Alexandria, VA	FFP	ITEC-4, Alexandria, VA	VAR	VAR			YES		

REMARKS:

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

Date: February 2007

Appropriation / Budget Activity / Serial No: P-1 Item Nomenclature  
 Other Procurement, Army / 2 / Communications and Electronics Equipment ARMY TRAINING MODERNIZATION (BE4169)

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	153.1	21.1	21.5	11.4	13.5	13.0	8.4	11.8	10.5	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	153.1	21.1	21.5	11.4	13.5	13.0	8.4	11.8	10.5	Continuing	Continuing
Initial Spares											
Total Proc Cost	153.1	21.1	21.5	11.4	13.5	13.0	8.4	11.8	10.5	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**  
 Army Training Modernization (ATM) includes three related efforts to acquire Digital Training Facilities (DTF). DTFs will allow rapid delivery of high quality instruction to Army personnel. Infrastructure acquired will be based on industry standards and will comply with the Joint Technical Architecture (JTA) and Defense Information Infrastructure Common Operating Environment (DII COE), where applicable. This will help assure compatibility with other military services and that commercial, state, and other resources can be leveraged to achieve cost effective solutions to support all Army components. Specific initiatives include Distributive Training Technology Project (DTTP), Other Training Modernization, and the Distributed Learning System (DLS). Other Training Modernization TRADOC Classroom XXI (CRXXI) modernizes/enhances classrooms at existing Training and Doctrine Command (TRADOC) resident schools. This improves training provided through the schools and allows their use to broadcast training to Army wide DTFs deployed through DTTP and DLS. DTTP and DLS will provide approximately 607 modern distance learning (DL) enabled DTFs and associated supporting infrastructure to augment training at existing resident Army schools. This will allow Army to both increase the number of Army personnel receiving required training and the amount of training that can be provided to each individual.

ATM provides a cost effective solution for training Army personnel. It will help maintain acceptable out year readiness levels despite massive resource reductions. Supported training enhancements will help reduce the current backlog of Military Operational Specialty (MOS) training. Army can significantly increase levels of MOS qualification, hence readiness, with standardized Army courseware delivered through Distributed Learning (DL) technology. Implementation of these technology enablers will reduce resident training requirements and Soldiers will spend less time in the training base and more time in units, thereby increasing readiness. ATM will deliver standardized training to Active Component (AC) and Reserve Component (RC) Soldiers and Department of the Army Civilians (DAC). DTTP/DLS provide infrastructure for Soldiers to train at or near their assigned station in lieu of resident training at Army schools. The CRXXI component of Other Training Modernization provides infrastructure of modernized classrooms at existing TRADOC schools. Operational implementation of the CRXXI infrastructure is carefully phased to coincide with development of redesigned instructional courseware, taking into account the number of Soldiers to be trained, types of training needed, and where training is needed to maximize the return on the ATM investment. Tasks supported within CRXXI include both conducting training and receiving training.

**Justification:**  
 FY08/09 procures continued CRXXI modernization of TRADOC schoolhouses delivered training classrooms; procures refreshment of network and hardware assets and provides contractor support at approximately 29 fielded DTFs; procures DLS enterprise information technology refreshment within previously fielded DTFs, the Enterprise Management Center (EMC), the Army Learning Management System fielding; the DLS enterprise Continuity of Operations Plan (COOP); and DLS Increment 4, Deployed Digital Training Campus (DDTC) systems.

<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: ARMY TRAINING MODERNIZATION (BE4169)			Weapon System Type:			Date: February 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
Distributed Learning System (DLS)		A	11355			6670			5879			9158		
Distributive Training Technology Program (DTTP)		A	6107			10273			3713			2952		
Other Training Modernization (CR XXI)		A	3658			4606			1797			1419		
<b>Total:</b>			<b>21120</b>			<b>21549</b>			<b>11389</b>			<b>13529</b>		



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

Date: February 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: DISTRIBUTIVE TRAINING TECHNOLOGY (BE4171)

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	18.9	6.1	10.4	3.7	3.0	3.9	2.2	3.5	3.5	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	18.9	6.1	10.4	3.7	3.0	3.9	2.2	3.5	3.5	Continuing	Continuing
Initial Spares											
Total Proc Cost	18.9	6.1	10.4	3.7	3.0	3.9	2.2	3.5	3.5	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**  
 The primary mission of the Distributive Training Technology Project (DTTP) is to provide access to military readiness training for members of the Army National Guard (ARNG) who, for geographic or logistical reasons, do not have ready access to other Army distance learning facilities provided within The Army Distance Learning Program (TADLP) through the Distributed Learning System (DLS) Program and Classroom XXI (CRXXI). DTTP facilities are also available to soldiers and civilian support personnel of other Army components for military training and education. DTTP objectives are threefold: Improve unit readiness by providing greater access to military training and education; lower cost and improve performance through consolidation of common telecommunication requirements and facilitate command, control, communications, and computing within the ARNG; and foster economic development, improve educational levels, and provide information access through shared use with the communities in which the ARNG units are based. DTTP also addresses training needs in the areas of: Weapons of Mass Destruction, support to Federal Emergency Management Agency (FEMA), Partnership for Peace, Youth Programs, and counterdrug activities. In addition, DTTP facilities provide a valuable asset to National Guard units in coordinating and training for the full spectrum of responses necessary for counter-terrorism missions that may arise.

**Justification:**  
 FY08/09 procures refreshment of network and hardware assets in support of the current inventory of 337 fielded digital training facilities (DTFs). Refreshment focuses on satisfying agency mandates in the areas of information assurance, networkiness, server consolidation, and a common operating environment. With refreshed DTFs, the program can continue to decrease training costs, increase readiness and retention of soldiers, and enhance safety and first responder operations.

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: DISTRIBUTIVE TRAINING TECHNOLOGY (BE4171)			Weapon System Type:			Date: February 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
System Implementation and Modernization Congressional Add - Satellite based Interoperable Network Communications	A	6107	49	125	10360	81	128	3713	29	128	2952	22	134
<b>Total:</b>		<b>6107</b>			<b>10360</b>			<b>3713</b>			<b>2952</b>		

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

Date:  
February 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: DISTRIBUTIVE TRAINING TECHNOLOGY (BE4171)							
<b>System Implementation and Modernization</b>										
FY 2006	SRA Fairfax, VA	C/FP	NGB, Arlington, VA	Oct 05	Nov 05	49	125	Yes	No	
FY 2007	SRA Fairfax, VA	C/FP	NGB, Arlington, VA	Oct 06	Nov 06	81	128	Yes	No	
FY 2008	TBD TBD	TBD	TBD							
FY 2009	TBD TBD	TBD	TBD							

REMARKS:

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

Date: February 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: OTHER TRAINING MODERNIZATION (BE4172)

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	31.3	3.7	4.6	1.8	1.4	1.7	1.0	1.4	1.4	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	31.3	3.7	4.6	1.8	1.4	1.7	1.0	1.4	1.4	Continuing	Continuing
Initial Spares											
Total Proc Cost	31.3	3.7	4.6	1.8	1.4	1.7	1.0	1.4	1.4	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**

The Army Distributed Learning Program: Classroom XXI program modernizes outdated resident classrooms across 15 Army installations to provide instructors with a digital platform to conduct training. Classroom XXI provides the infrastructure to deliver digital training from the institution to remote Digital Training Facilities and Reserve Components and provides Soldiers with 24/7 reach back capability for training access anytime/anywhere. Classroom XXI is the advanced resident instructional technology environment in which the Soldier in the Legacy Force and the Future Force will train. The program transforms current instructor-centric, self-contained classrooms into student-centric, multimedia platforms with worldwide capabilities for students to obtain and share training material and collaborate with other students. Classroom XXI establishes both the architectural criteria for classroom rehabilitation and the technology standards for Army institutional training, using open architecture and standards-compliant technologies for interoperability. Classrooms are fully networked, offering high technology advanced distributive learning capabilities. Classrooms provide students with access to the same or different courseware simultaneously from networked video-on-demand libraries, Internet access, full-motion/full-screen digital video with display on the large screens and on the desktop, and collaborative computing. This system supports the Current to Future transition path of the Army Campaign Plan.

The Training Support to Units: Training Support to Units funds the infrastructure of the Army Training Information Systems. Funds have supported the training systems which had not been upgraded since 1999. This hardware provides the operational environment of the Army Training Information Architecture (ATIA), the Interim Learning Management System (ILMS), the Reimer Digital Library (RDL), central processing sites for the interface between the Army Schools and Army Training Requirements and Resources Systems (ATRRS), as well as the development and testing facility for these information systems.

Classroom XXI provides the professional instructor with a digital training platform to support the Army mission, Train the Army. Classroom XXI will help the Army meet the Department of Defense (DoD) requirement to provide a flexible, ready, and sustainable military force structure capable of conducting joint operations to execute the national military strategy. It will do this by modernizing institutional classrooms with learning and information technologies to provide mission critical training to all Army components. The system will facilitate mobilization training by allowing just-in-time training for deploying military personnel. It will also improve overall military skill levels of Army personnel by enhancing training access. Classroom XXI is an integral component of the DoD Advanced Distributed Learning Initiative, and Strategic Plan for Transforming DoD Training, which calls for the full exploitation of technologies to support quality education and training. Classroom XXI supports the e-Government strategy by using the Web to provide training materials, by enabling the intra-agency sharing of training data, and by adopting commercial practices and products.

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: February 2007
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Item Nomenclature OTHER TRAINING MODERNIZATION (BE4172)
Program Elements for Code B Items:	Code:	Other Related Program Elements:
<p><b>Justification:</b>  FY08/09 procures continued modernization (hardware, software, and communication) of TRADOC institution-delivered training classrooms. Classroom XXI is a key element of the Army Digital Training Strategy (ADTS): "TRADOC institutions will continue to establish the fundamentals of soldiering to defined standards, so that when soldiers report to their tactical units, they immediately contribute to the unit's operational readiness."</p> <p>FY 08/09 also procures Training support to Units' hardware to continue lifecycle support of the infrastructure of the Army Training Systems (ATIS). This training impacts the direct support tools including the Reimer Digital Library, which has 5 million hits per week and 1206 million new/revised documents added; Automated Instructional Management Systems Personal Computers fielded at 17 installations, has an average of 75 users per site and interfaces with ATRRS permitting data posting reduction from 10 to 2 days; Automated Systems Approach to Training, which 400 plus servers installed and supports development and management of 1570 plus courses/modules; Reception Battalion Automated Support System which is the single source for data for all soldiers coming into the Army or mobilizing.</p>		

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
Classroom XXI (CRXXI) ++++ Configurations vary by user requirements ++++ Army Training Information Architecture		2512			4058			1462			1142		
<b>Total:</b>		<b>3798</b>			<b>4606</b>			<b>1797</b>			<b>1419</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:  
OTHER TRAINING MODERNIZATION (BE4172)

Weapon System Type:

Date:  
February 2007

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

Date:  
February 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: OTHER TRAINING MODERNIZATION (BE4172)							
<b>Classroom XXI (CRXXI)</b>										
FY 2006	Northrop Grumman IT Greenbelt, MD	C/FPP	GSA, Philadelphia PA	Jan 06	Jul 06			YES		
FY 2006	GTI Systems, Inc Norfolk, VA	C/FPP	NRCC, Ft Eustis, VA	Jan 06	Jul 06			YES		
FY 2007	Northrop Grumman IT Greenbelt, MD	C/FPP	GSA, Philadelphia PA	TBD	TBD			YES		
FY 2007	GTI Systems, Inc Norfolk, VA	C/FPP	NRCC, Ft Eustis, VA	TBD	TBD			YES		
<b>Army Training Information Architecture</b>										
FY 2006	Northrop Grumman IT Greenbelt, MD	C/FPP	PEO STRI, Orlando FL	Jun 06	Sep 06			YES		
FY 2007	Northrop Grumman IT Greenbelt, MD	C/FPP	PEO STRI, Orlando FL	TBD	TBD			YES		

REMARKS:

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

Date: February 2007

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

P-1 Item Nomenclature  
Distributed Learning System (DLS) (BE4173)

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	102.8	11.4	6.7	5.9	9.2	7.5	5.2	7.0	5.6	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	102.8	11.4	6.7	5.9	9.2	7.5	5.2	7.0	5.6	Continuing	Continuing
Initial Spares											
Total Proc Cost	102.8	11.4	6.7	5.9	9.2	7.5	5.2	7.0	5.6	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**  
The Distributed Learning System (DLS) is an Army Acquisition Category 1 Army component (ACAT 1AC) major automated information system that modernizes training delivery in the Army training and education system by leveraging information technology (IT). DLS initially fielded 274 Digital Training Facilities (DTFs) and currently operates and sustains 231 DTFs with standard automation and supporting infrastructure to improve the Army's ability to train service members and supporting civilian workers. The 231 DTFs consist of 124 Active Component (AC) DTFs and 107 Army Reserve (USAR) DTFs. DLS will aid the Army in properly training all components to a single Army standard. DLS supports readiness by enhancing institutional and individual training in all Army components (Active, Army National Guard, Army Reserve, and Department of the Army Civilians (DAC)). DLS provides both near and long-term information technology training infrastructure to enhance training particularly in the areas of Military Occupational Skill Qualification (MOSQ) and reclassification. It also provides a highly effective means to deliver training and education to deployed forces. The overall goal for DLS is to leverage technology and learning theory by providing just-in-time training to each service member regardless of location. DLS supports the E-Government strategy by using the Web to provide training materials, by enabling the intra-agency sharing of training data, and by adopting commercial practices and products to reduce operating costs. DLS supports the President's Management Agenda by making use of e-Learning to leverage scarce training funds and to provide greater agency access to training materials. DLS goals also include reducing training delivery and training support costs; improving service member morale by allowing members to obtain increased amounts of required training without leaving their home station; improving efficiency and effectiveness of Army instructors by allowing each instructor to train more students in a shorter period of time; and, improving unit readiness due to the reduction in personnel turbulence resulting from long term absence for resident training. DLS Increment 3, The Army Learning Management System (ALMS) Full Rate Production (FRP) was approved on 10 September 2004 and fielding across the Army is ongoing. DLS Increment 4, Deployed Digital Training Campus (DDTC) FRP review and decision is anticipated to be 4th Quarter, FY 2008.

**Justification:**  
FY08/09 procures DLS enterprise information technology refreshment (hardware and software) within fielded DTFs, the DLS Enterprise Management Center (EMC), the DLS continuity of Operations Plan (COOP), the Army Learning Management System (ALMS) fielding, and ALMS enhancements supporting Army web-based learner training administration and training management at remote sites for (1) a major subset of existing Army school courses; and, (2) DLS Increment 4, Deployed Digital Training Campus (DDTC) development, hardware testing, software suites, and (3) DDTC equipment sets. These integrated efforts will maximize the utility of training to each learner while reducing the time required by the student to complete assigned units of 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: Distributed Learning System (DLS) (BE4173)			Weapon System Type:			Date: February 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
System Fielding & Implementation *****	A	800			500			500			500		
Increment 3 - Army Learning Management System (ALMS) Hardware, Software, Installation; New Equipment Training (NET); and Engineering Change Proposals (ECP) *****	A	4766			1500			1500			1500		
Enterprise COOP *****		2000											
Enterprise Technology Refreshment *****	A	3789			3430			1884			2378		
Increment 4 - Deployable Digital Training Campuses (DDTC)	A				1240			1995			4780		
<b>Total:</b>		<b>11355</b>			<b>6670</b>			<b>5879</b>			<b>9158</b>		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: Distributed Learning System (DLS) (BE4173)								
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>Increments 1 &amp; 2 Active and Reserve Component DTF servers, PCs, VTT suites and communications infrastructure. System Fielding &amp; Implementation</b>										
FY 2006	Info Sys Engrg Cmd Ft. Huachuca, AZ	MIPR	CECOM, Ft. Huachuca, AZ	Dec 05	Dec 05			Yes		
FY 2007	Info Sys Engrg Cmd Ft. Huachuca, AZ	MIPR	CECOM, Ft. Huachuca, AZ	Dec 06	Dec 06			Yes		
FY 2008	Info Sys Engrg Cmd Ft. Huachuca, AZ	MIPR	CECOM, Ft. Huachuca, AZ	Dec 07	Dec 07			Yes		
<b>Increment 3 - Army Learning Management</b>										
FY 2006	IBM Corporation Fairfax, VA	C/CPAF	ITEC4, Alexandria, VA	Nov 05	Dec 05			Yes		
FY 2007	IBM Corporation Fairfax, VA	C/CPAF	NRCC, Ft Eustis, VA	Nov 06	Dec 06			Yes		
FY 2008	IBM Corporation Fairfax, VA	C/CPAF	NRCC, Ft Eustis, VA	Nov 07	Dec 07			Yes		
<b>Enterprise COOP</b>										
FY 2006	VARIOUS VARIOUS	C/CPFF	ITEC4, Alexandria, VA	Oct 05	Oct 05			Yes		
<b>Enterprise Technology Refreshment</b>										
FY 2006	VARIOUS VARIOUS	C/CPFF	ITEC4, Alexandria, VA	Oct 05	Oct 05			Yes		
FY 2007	TBS TBD	C/CPFF	NRCC, Ft Eustis, VA	TBD	TBD			Yes		
FY 2008	TBS TBD	C/CPFF	NRCC, Ft Eustis, VA	TBD	TBD			No		
<b>Increment 4 - Deployable Digital</b>										
FY 2007	TBS TBD	C/CPIF	NRCC, Ft Eustis, VA	TBD	TBD			Yes		
FY 2008	TBS TBD	C/CPIF	NRCC, Ft Eustis, VA	TBD	TBD			No		

REMARKS: VARIOUS Contractors - contractors servicing aspects of Enterprise Technology Refreshment have been IBM, Dell, Microsoft, and other vendors to be scheduled. The DLS enterprise Technology Refreshment

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: Distributed Learning System (DLS) (BE4173)								
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WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
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addresses replacement or upgrading of critical information technology components throughout the DLS enterprise system. It is anticipated that this continuing requirement will be serviced by a variety of contractor entities in the future.

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

Date: February 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	3366.6	248.3	159.0	120.7	133.9	130.3	128.8	133.0	119.8	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	3366.6	248.3	159.0	120.7	133.9	130.3	128.8	133.0	119.8	Continuing	Continuing
Initial Spares											
Total Proc Cost	3366.6	248.3	159.0	120.7	133.9	130.3	128.8	133.0	119.8	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**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:**  
 A stable modernization program is essential to maintain efficiency, increase productivity, and reduce operation and maintenance costs through technological advancement. The Army's modernization strategy to support its warfighting forces in the 21st Century leverages and aligns the use of automation technology to streamline and modernize its management information systems to support Command, Control, Communications, Computers, Intelligence Surveillance and Reconnaissance (C4ISR) for the warfighter, power projection strategies, battle space awareness, Army Transformation, home station and modularity capabilities, focused logistics, and downsized force structures. Modernization plans flow from strategic planning (mission needs) and ensure standardization, interoperability, and systemic replacement of equipment that is obsolete due to technology changes, reliability, and serviceability. The ADPE program provides combat service support to the warfighter in the areas of command and control, logistics, personnel, transportation, and other sustaining base functions.

FY06/07 totals include supplemental funding of \$87.8 million and \$33.3 million respectively, to support the Global War On Terrorism (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: AUTOMATED DATA PROCESSING EQUIP (BD3000)			Weapon System Type:			Date: February 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
Optical Digital Equipment	A	2466			2211			4109			5852		
Strategic Logistics Program	A	18388			6566			2965			2509		
Reserve HQ Automation	A	1554			1843			1027			1277		
High Performance Computing	A				9711								
HQ Management Information Systems	A	35058			29688			33589			35464		
MACOM Automation Systems	A	136196			69928			35673			36223		
Personnel Automation Systems	A	53152			36050			43369			52620		
Logistics Automation System	A	1513			2981								
<b>Total:</b>		<b>248327</b>			<b>158978</b>			<b>120732</b>			<b>133945</b>		

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

Date: February 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: OPTICAL DIGITAL EQUIP (BD3956)

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	73.8	2.5	2.2	4.1	5.9	4.2	3.6	3.6	4.5	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc PI	73.8	2.5	2.2	4.1	5.9	4.2	3.6	3.6	4.5	Continuing	Continuing
Initial Spares											
Total Proc Cost	73.8	2.5	2.2	4.1	5.9	4.2	3.6	3.6	4.5	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**

This program supports initiatives to replace obsolete, inefficient records management systems with state-of-the-art optical digital equipment and other electronic record keeping systems. This technology will reduce operations and maintenance costs and improve the mission effectiveness and productivity of records managers throughout the Army. All systems are subject to the certification and annual review provisions of the FY05 National Defense Authorization Act (NDAA) and Defense Business Transformation initiatives.

**Justification:**

**INTERACTIVE PERSONNEL ELECTRONIC RECORDS MANAGEMENT SYSTEM (iPERMS):** iPERMS is a web-based, secure electronic records management system that supports the Army's military human resource management mission as required by Title 10 and Title 44 US Code. iPERMS is the system of record for storage for the Official Military Personnel File during the Soldier's active service and is used by Army leaders, human resource managers, Selection and Promotion Boards, and Soldiers world-wide. Electronic records are retained for all Soldiers for 62 years after their Military Service Obligation is completed. This centralized integrated electronic records management system contains millions of personnel files supporting Army National Guard, Army Reserve, Active Army, and Veteran human resource management functions at all levels and makes these documents available to individual Soldiers, retirees, and the Veterans Administration via the Internet. The establishment of the Continuity of Operations (COOP) site will ensure around-the-clock operation and provide recovery capability if the primary site experiences a major disruption of service. iPERMS retention of soldier records will result in a reduction of the Army's National Archive Record Center costs for services to Veterans. It also provides a single source of personnel records for mobilization of Veterans in case of a National Emergency.

FY08/09 procures optical storage libraries (Jukeboxes), servers, Storage Area Networks (SANs), and switches. This equipment establishes an Army Record Center Fail-over site for the COOP, expansion of current storage capacity to accommodate the mission of maintaining Soldiers' records for 62 years after completion of military obligation, and replacement and refreshment of equipment that has reached its end of serviceable life.

**ARMY RECORDS INFORMATION MANAGEMENT SYSTEM (ARIMS):** ARIMS replaced the Modern Army Recording Keeping System (MARKS) as the Department of the Army's (DA) official world-wide record keeping system. It is the Army system used to identify, collect, preserve, and retrieve electronic record information and index hard copy records with retention from 7 to 150 years in 130 Army-owned Records Holding Areas and 16 Federal Records Centers. With over 56,000 users, ARIMS provides a centralized location for the sharing of information that documents the conduct of the Army's business, contingency and war-time operations, and ensures economy and efficiency in documenting Army policies, decisions, and operations. ARIMS web-based tools and capabilities reduce the administrative burden of the warfighter, ensure that the Army's records are preserved, improve legitimate access to Army records, and promote compliance with governing

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

Date:

February 2007

Appropriation / Budget Activity / Serial No:

Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature

OPTICAL DIGITAL EQUIP (BD3956)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

status. ARIMS supports the Army-wide Records Management Programs (ARMP), including the DA Freedom of Information Act (FOIA) Program and Executive Order (EO) 13392; the Privacy Act Program; component programs; the EO 12958 Declassification Program; and the Army's role as DoD's Executive Agent for combat records research related to Agent Orange, Gulf War Illness, and Post Traumatic Stress Disorder claims filed by veterans. ARIMS further integrates Army Knowledge Online (AKO) to capture official records stored in Knowledge Collaboration Centers (KCC). Other important specialized collections include Gulf War Declassification, Operation Enduring Freedom (OEF), Operation Iraqi Freedom (OIF), Europe Bosnia, and other contingency operations. ARIMS provides a centralized capability for the collection, retrieval, and preservation of the Army's important long-term historical records (retention ranges from 7 to 150 years), which include both electronic records and the indexes to hard copy records physically located in Army-owned records holding areas. Technology refreshment ensures the Army's records are maintained in compliance with a multitude of statutory and regulatory requirements, preserves the integrity of individual records, mitigates the risk for potential loss of historical information, and ensures that official Army records are available to support Congressional, Government Accountability Office (GAO), Executive Branch, and FOIA requirements. FY08/09 procures infrastructure components to support the second phase of the initial technology refreshment of ARIMS Army-wide records management applications. This includes replacement of infrastructure servers, storage, routers, firewalls, and telecommunications support equipment that has exceeded 36 months of continuous use.

<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: OPTICAL DIGITAL EQUIP (BD3956)			Weapon System Type:			Date: February 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
Interactive Personnel Electronic Management System (iPERMS) Hardware/Software	A	1100			724			3464			5193		
Army Records Information Management System (ARIMS) Hardware/Software	A	1112			1487			645			659		
Army Postal System Modernization (APSM) Hardware	A	254											
<b>Total:</b>		<b>2466</b>			<b>2211</b>			<b>4109</b>			<b>5852</b>		



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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: OPTICAL DIGITAL EQUIP (BD3956)								
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>Interactive Personnel Electronic Management System (iPERMS) Hardware/Software</b>										
FY 2006	NGIT McLean, VA	C/FP	GSA-FEDSIM Alexandria, VA	Mar 06	Apr 06			YES		
FY 2007	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2008	TBS	C/FP	TBS	VAR	VAR			NO		
FY 2009	TBS	C/FP	TBS	VAR	VAR			NO		
<b>Army Records Information Management System (ARIMS) Hardware/Software</b>										
FY 2006	Integrgraph Government Solution Huntsville, AL	C/FP	NICP DOC, Mechanicsburg, PA	Aug 06	Sep 06			YES		
FY 2007	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2008	TBS	C/FP	TBS	VAR	VAR			NO		
FY 2009	TBS	C/FP	TBS	VAR	VAR			NO		
<b>Army Postal System Modernization (APSM) Hardware</b>										
FY 2006	Pitney Bowes Fed Govt Br Annandale, VA	C/FP	NICP DOC, Mechanicsburg, PA	May 06	Jun 06			YES		

REMARKS: All quantities and unit costs vary by configuration and site.  
 VAR - Multiple contracts awarded/delivered throughout the year. GSA-FEDSIM - General Services Administration-Federal Systems Integration Management; NGIT - Northrup Grumman Information Technology, Inc.;  
 NICP - Navy Inventory Control Point; DOC - Directorate of Contracting

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

Date: February 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: STRATEGIC LOGISTICS PROGRAM (SLP) (BD7000)

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	344.5	18.4	6.6	3.0	2.5	2.6	2.4	2.6	2.8	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc PI	344.5	18.4	6.6	3.0	2.5	2.6	2.4	2.6	2.8	Continuing	Continuing
Initial Spares											
Total Proc Cost	344.5	18.4	6.6	3.0	2.5	2.6	2.4	2.6	2.8	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**  
 Provides funds to enhance logistics readiness. All systems are subject to the certification and annual review provisions of the FY05 National Defense Authorization Act (NDAA) and Defense Business Transformation initiatives.

**Justification:**  
**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. The CAISI program moved to the CSS Communications budget line in FY 2007.

**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. Key aspects of the CSS SATCOM network include: fully Internet Protocol (IP) based connection to the Non-secure Internet Protocol Router Network (NIPRNET) (SBU Transport & Encryption); remote satellite terminals (Very Small Aperture Terminal (VSAT)) owned and operated by CSS units; three to four regional teleports provide global coverage; and the single commercial network management center and helpdesk in the Continental United States (CONUS). The CSS SATCOM program moved to the CSS Communications budget line in FY 2007.

**EMERGING LOGISTICS TECHNOLOGIES (ELT):** This program provides for rapid analysis and insertion of tools, technologies, and processes supporting key strategic transformation imperatives across the Common Logistics Operating Environment (CLOE). Commercially available technologies and capabilities such as sense and respond technologies, collaborative planning, distribution and adaptive supply chain management capabilities, and automatic identification and tracking capabilities, are examples of the types of technologies addressed by this program. This program brings leading edge technology and process management enablers to improve readiness for the warfighter. The goal is to rapidly transition these capabilities to appropriate stakeholders to enable automatic collection, processing, and transformation of information into knowledge across the end-to-end enterprise architecture, from mobile intelligent networks at the tactical level through global strategic networks.

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

Date:

February 2007

Appropriation / Budget Activity / Serial No:

Other Procurement, Army / 2 / Communications and Electronics Equipment

P-1 Item Nomenclature

STRATEGIC LOGISTICS PROGRAM (SLP) (BD7000)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

FY08/09 procures commercially available applications and existing commercial off-the-shelf (COTS) hardware devices for technological improvements in the logistics process. This program supports the Army Deputy Chief of Staff for Logistics (G-4) mission, which is to enhance logistics readiness for the soldiers and their units. Specifically, ELT supports logistics capabilities that are anticipatory, predictive and rapidly responsive to the warfighter.

<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: STRATEGIC LOGISTICS PROGRAM (SLP) (BD7000)			Weapon System Type:			Date: February 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
Combat Service Support Automation Information System Interface (CAISI) Hardware/Software, Fielding, Integration	A	5757											
Combat Service Support Satellite Communications (CSS SATCOM) Hardware/Software	A	7098											
Emerging Logistics Technologies	A	5268			6566			2965			2509		
Hurricane Relief - CSS SATCOM	A	90											
Hurricane Relief - Radio Frequency in Transit Visibility (RFITV)	A	175											
<b>Total:</b>		<b>18388</b>			<b>6566</b>			<b>2965</b>			<b>2509</b>		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: STRATEGIC LOGISTICS PROGRAM (SLP) (BD7000)								
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>Combat Service Support Automation Information System Interface (CAISI)</b>										
<b>Hardware/Software, Fielding, Integration</b>										
FY 2006	Tobyhanna Army Depot Tobyhanna, PA	MIPR	PM CAISI, Springfield, VA	Feb 06	VAR			YES		
FY 2006	TAMSCO W. Long Beach, NJ	C/FP	CECOM, Ft. Monmouth, NJ	Feb 06	VAR			YES		
<b>Combat Service Support Satellite Communications (CSS SATCOM) Hardware/Software</b>										
FY 2006	Eyak Technology Cardova, AK	C/FP	USACE, Vicksburg, MS	VAR	VAR			YES		
FY 2006	TAMSCO W. Long Beach, NJ	C/FP	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES		
FY 2006	Signal Solutions Fairfax, VA	C/FP	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES		
<b>Emerging Logistics Technologies</b>										
FY 2006	DriverTech Fleet Mgt Systems Salt Lake City, UT	C/FP	TMDE, Redstone Arsenal, AL	Aug 06	Mar 07			YES		
FY 2006	DRS Test & Energy Mgt, Inc Huntsville, AL	C/FP	TACOM, Rock Island, IL	Jul 06	Mar 07			YES		
FY 2006	Science Applications Intl Corp San Diego, CA	C/FP	AMRDEC, Redstone Arsenal, AL	Sep 06	Jun 07			YES		
FY 2007	TBS	TBS	TBS	VAR	VAR			YES		
FY 2008	TBS	TBS	TBS	VAR	VAR			YES		
FY 2009	TBS	TBS	TBS	VAR	VAR			YES		
<b>Hurricane Relief - CSS SATCOM</b>										
FY 2006	Eyak Technology Cardova, AK	C/FP	DOI, Ft. Huachuca, AZ	VAR	VAR			YES		
<b>Hurricane Relief - Radio Frequency in Transit Visibility (RFITV)</b>										

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: STRATEGIC LOGISTICS PROGRAM (SLP) (BD7000)								
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
FY 2006	Savi Technology Sunnyvale, CA		OTHER	ITEC4, Alexandria, VA	VAR	VAR			YES		

REMARKS: All quantities and unit costs vary by configuration and site. VAR - Multiple contracts awarded/delivered throughout the year. PM CAISI - Program Manager Combat Service Support Automation Information System Interface; CECOM - Communications and Electronics Command; ITEC4 - Information Technology, E-Commerce, and Commercial Contracting Center; TMDE - US Army Test Measurement & Diagnostic Equipment Activity; TACOM - U.S. TACOM Life Cycle Management Command (TACOM); AMRDEC - Aviation & Missile Research, Development and Engineering Center; Other - IDIQ/FFP: Indefinite Delivery Indefinite Quantity/Firm Fixed Price; DOI - Department of Interior

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

Date: February 2007

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

P-1 Item Nomenclature  
RESERVE HQ AUTOMATION (BE4000)

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	26.8	1.6	1.8	1.0	1.3	1.0	1.0	1.0	1.0	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	26.8	1.6	1.8	1.0	1.3	1.0	1.0	1.0	1.0	Continuing	Continuing
Initial Spares											
Total Proc Cost	26.8	1.6	1.8	1.0	1.3	1.0	1.0	1.0	1.0	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**

US ARMY HUMAN RESOURCES COMMAND-ST. LOUIS (USAHRC-S) AUTOMATION: USAHRC-S provides full lifecycle leadership, growth, and personnel management services to US Army Reserve (USAR) Soldiers, retirees, veterans, and their families. USAHRC-S manages the Active Guard Reserve (AGR), Individual Mobilization Augmentee (IMA), and Individual Ready Reserve (IRR) Soldier population, USAR Selected Reserve end strength, Reservist retirement transition, retirement pay processing, and Veterans' affairs. The USAHRC-S automation supports migration to a unified Human Resources Command (HRC) customer response center. This initiative provides the capability to answer all HRC customer (Active Duty and Reserve Soldiers, retirees, veterans, family members, and organizations) inquiries regardless of media (phone, web, mail). It is a blend of technology to include the Soldier Management System (SMS), Computer Telephony Integration/Integrated Voice Response (CTI/IVR) and a Web Portal to provide access to personnel systems, records, images, and databases, in support of the entire personnel management lifecycle. The automation will be roles-driven based on business processes as opposed to roles-driven based on organizational structure. USAHRC-S Automation develops and sustains USAR personnel through officer and enlisted professional development education, Military Occupational Specialty Qualification (MOSQ), evaluations, promotions, and supports all Army component requirements for exercises, site and mission support, intelligence and counter-drug demand reductions. The USAHRC-S automation will extend proactive Soldier services using a standard leader development model that provides collaboration, knowledge sharing, and decision support services. The automation supports Army Personnel Transformation, Army Knowledge Management (AKM) goals, and Lean Six Sigma initiatives by integrating knowledge concepts and best business practices to improve performance and to support increased self-service through 24-hours-a-day/seven-days-a-week web and telephony channels. The USAHRC-S automation supports the Army's Well-Being Program, migration of legacy systems to the Defense Integrated Military Human Resources System (DIMHRS), and the Global War On Terrorism (GWOT). All systems are subject to the certification and annual review provisions of the FY05 National Defense Authorization ACT (NDAA) and Defense Business Transformation initiatives.

USAHRC-S automation supports the warfighter by providing unified personnel management services independent of geographic location. Personnel requests initiated through the HRC Web Portal allow personnel administrators immediate access to Soldier records, documents, and other transactions necessary to manage Soldiers throughout multiple deployments.

**Justification:**

FY08/09 procures hardware (servers, network upgrades, telephony expansion, storage upgrades), and software for the expansion of the base integrated infrastructure to support the HRC Enterprise Service Bus (ESB) computer telephony, integration with the Army Enterprise Infostructure, IPv6 adoption, Defense in Depth requirements, migration to the consolidated HRC data center and DIMHRS.

<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: RESERVE HQ AUTOMATION (BE4000)			Weapon System Type:			Date: February 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
US Army Human Resources Command- St. Louis (USAHRC-S) Automation Hardware/Software	A	1554			1843			1027			1277		
<b>Total:</b>		<b>1554</b>			<b>1843</b>			<b>1027</b>			<b>1277</b>		



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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: RESERVE HQ AUTOMATION (BE4000)								
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>US Army Human Resources Command- St. Louis (USAHRC-S) Automation Hardware/Software</b>										
FY 2006	Northrop Grumman St. Louis, MO	C/FP	DITCO, Scott AFB, IL	Mar 06	Jun 06			YES		
FY 2007	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2008	TBS	C/FP	TBS	VAR	VAR			NO		
FY 2009	TBS	C/FP	TBS	VAR	VAR			NO		

REMARKS: All quantities and unit costs vary by configuration and site.  
VAR - Multiple contracts awarded/delivered throughout the year. DITCO - Defense Information Technology Contracting Organization; AFB - Air Force Base

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

Date: February 2007

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

P-1 Item Nomenclature  
HIGH PERFORMANCE COMPUTING (BE4152)

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	92.8		9.7								102.5
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	92.8		9.7								102.5
Initial Spares											
Total Proc Cost	92.8		9.7								102.5
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

This program satisfies critical needs for advanced computational technology for Army scientists, engineers and analysts, and represents the leading edge of high speed processing. This capability is not available through other technology and is designed to solve problems that cannot be resolved in other ways. The program provides for access to supercomputing resources consisting of networked supercomputers at various Continental United States (CONUS) locations. Supercomputer systems are required to satisfy critical research and development missions in combat and materiel development programs. Significant advances in supercomputer technology have provided increases in both speed and memory. This is essential for performing fully time-dependent, three-dimensional computations and simulations directed at major new weapon designs or battlefield management. The resultant use of this advanced high-performance computing technology is the generation of very large data sets. In order to effectively and efficiently process this data, robotic mass storage systems are required. Examples of the major Army applications best suited to supercomputer technology include battlefield management, modeling/simulation, weapons systems design, terrain analysis, mechanical design (structural and dynamic vehicles), nuclear survivability, and materiel dynamics and composition. Supercomputers are contributing to efforts for high leverage, high payoff programs which exploit technological advances, reduce logistics burdens, lower acquisition and operation and maintenance costs, and provide required lethality at reduced weight and volume.

**Justification:**

No FY08 funding.

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: HIGH PERFORMANCE COMPUTING (BE4152)			Weapon System Type:			Date: February 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
Army High Performance Computing Research Center	A				9711								
<b>Total:</b>					<b>9711</b>								

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:		P-1 Line Item Nomenclature: HIGH PERFORMANCE COMPUTING (BE4152)						
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>Army High Performance Computing Research Center</b> FY 2007	TBS	C/FP	TBS	VAR	VAR			YES		

REMARKS:

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

Date: February 2007

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

P-1 Item Nomenclature  
HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)

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	458.0	35.1	29.7	33.6	35.5	34.0	28.1	27.9	28.6	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	458.0	35.1	29.7	33.6	35.5	34.0	28.1	27.9	28.6	Continuing	Continuing
Initial Spares											
Total Proc Cost	458.0	35.1	29.7	33.6	35.5	34.0	28.1	27.9	28.6	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**

Provides funds for information systems that support Army headquarters worldwide. All systems are subject to the certification and annual review provisions of the FY05 National Defense Authorization Act (NDAA) and Defense Business Transformation initiatives.

**Justification:**

**HEADQUARTERS, DEPARTMENT OF THE ARMY AUTOMATED DATA PROCESSING EQUIPMENT (HQDA ADPE):** This program provides funding for information management support to Headquarters, Department of the Army (HQDA), across the entire Information Management (IM) spectrum. HQDA ADPE supports the Joint Office of the Secretary of the Army/Army Staff (OSA/ARSTAF) Senior Planning Group and other Department of Defense (DoD) Information Technology (IT) initiatives to improve functionality, security, survivability, and availability. FY08/09 procures servers and data protection upgrades to include expansion of the existing Storage Area Networks (SAN) and blade server equipment modernization to enhance the capability of replicating required automation files, electronic records, and electronic mail at the primary HQDA classified relocation facility and other alternate sites. Additionally, funds will support efforts for overall process improvements, enhanced continuity of operations planning (COOP) capabilities to include sufficient licenses and equipment to mitigate the possibility of a large number of customers working from home due to environmental or health threats and telecommuting policies; an Automatic Call Distribution (ACD) system to reduce the need for additional personnel as the customer base grows; and video teleconferencing (VTC) and desktop capabilities to eliminate transit time for a customer base that is spread across a variety of locations.

**HOUSING OPERATIONS MANAGEMENT SYSTEM (HOMES):** HOMES is an installation-level housing operations and management system that supports on-post government housing, off-post housing, unaccompanied personnel housing (UPH), and furnishings management functions. It also provides an inventory management function for Army-owned household furniture and appliances. HOMES increases the availability of housing services, helps monitor and manage housing utilization, control and manage housing inventory, monitor Basic Allowance for Housing (BAH), permits upward reporting, and is used to help installation oversight of privatized housing assignments. HOMES is installed at 97 installations worldwide including Continental United States (CONUS), Alaska, Puerto Rico, Europe, Korea, Japan, and regional Installation Management Agency (IMA) Offices. HOMES interfaces with the Defense Enrollment Eligibility Reporting System (DEERS) which saves the housing managers time entering service member data.

FY08/09 procures desktop computers to support a web-based Centralized Barracks Management (CBM) initiative to be used at the installation level. As part of the entire Army Housing Enterprise Systems, CBM is essential for all components to function as a complete, interconnected, web-based solution for the Army-approved holistic barracks strategy requirement. The HOMES program supports centralized web applications, changes in housing business practices, DoD and Army Information Technology mandates, and Congressional mandates for privatization.

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: February 2007
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Item Nomenclature HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)
Program Elements for Code B Items:	Code:	Other Related Program Elements:
<p><b>PENTAGON INFORMATION TECHNOLOGY (IT) INFRASTRUCTURE:</b> This program supports the Pentagon computing and network communications infrastructure that provides Information Technology (IT) services for the Pentagon and select agencies and organizations in the National Capital Region (NCR). This program consists of two elements: Common Information Technology (CIT) and Other Information Technology (OIT). CIT systems provide the Pentagon Area with all security classifications of data communications, Voice and Command and Control (C2) communications transport, and point-to-point circuit communication capabilities. OIT provides classified and unclassified mainframe computing platforms, shared Pentagon data storage capabilities, and the Congressionally-mandated Defense Messaging System (DMS) and electronic messaging capabilities. FY08/09 procures CIT upgrades to the Pentagon network infrastructure to include ongoing implementation of the DoD mandated IPv6 (Internet Protocol Version 6) network addressing scheme. It procures upgrades to network management systems (servers and software), core and edge network routers, optical transport systems, firewalls, switches, Domain Name Servers (DNS), and power supplies. It also procures Wide Area Network (WAN) fiber optic communications systems, extending the Pentagon high speed, survivable Internet Protocol (IP) services to DoD customers in external National Capital Region (NCR) locations. In addition, FY08/09 procures OIT encryption devices which provide increased Communications Security (COMSEC) capabilities to support higher speed encryption. It procures upgrades to the Pentagon Data Centers enterprise backup systems, adding the capability of historical or point-in-time recovery of Pentagon Enterprise data and procures increased storage volume for replicated Storage Area Network (SAN) capability. OIT also procures DMS upgrades, providing messaging servers required for consolidating the existing 65 DMS local control centers into two Pentagon Area control centers.</p> <p><b>COMMAND CENTER INFOSTRUCTURE:</b> Command Centers must conduct the full spectrum of military operations in concert with coalition forces. This program procures Command, Control, Communications, Computers, and Intelligence Technology (C4IT) for Command and Control (C2) functionality at designated Army and Army-supported Command Centers. It provides for the modernization and interoperability efforts to ensure a seamless transition to the command centers during crises such as prosecution of war, homeland defense, or natural disasters. It supports the C2 functions for Combatant Commanders and supporting commands to maintain ready forces to conduct the full spectrum of military operations either unilaterally or in concert with coalition partners, to enhance security and stability, and to advance U.S. interests throughout the area of responsibility. Modernization includes upgrades to outmoded facilities, combatant commander unique systems such as emergency action reporting systems, crisis action cells, battle staff display, and other like-configuration management requirements. Specific Army command centers include the Army Operations Center (AOC), European Command (EUCOM), US Forces Korea (USFK), US Army Pacific (USARPAC), Southern Command (SOUTHCOM), Joint Special Operations Command (JSOC), and the National Military Command Center (NMCC)-Site R. The program supports the National Strategy, the National Security Strategy, Army Transformation initiatives, Joint Vision 2020 initiatives, the Army Strategic Planning Guidance to Improve Capabilities for Battle Command, and the Global War On Terrorism. It modernizes outmoded and deficient C2 equipment, visual displays, audiovisual connectivity, and information technology infrastructure. All equipment is critical to support command center operations. FY08/09 procures hardware, software, fielding, and program management.</p> <p><b>COMMAND AND CONTROL (C2) INFOSTRUCTURE:</b> This program procures C4IT infostructure at Army and Army-supported Combatant Commander sites. It provides for C2 infostructure capabilities that support strategic and operational C2 functionality to Combatant Commanders, Army Commanders, and staff throughout the Combatant Commander's area of responsibility. This program is critical for the DoD mandates on transformation and homeland defense initiatives. The program provides classified computer and communications infrastructure to allow for planning, mobilizing, and execution of Combatant Commander and Army missions. It also allows for the incorporation of information technology to ensure a more agile, mobile, lethal, survivable, and responsive force, while enabling secure interconnectivity with Combatant Commander command centers. Specific Combatant Commanders supported include European Command (EUCOM), US Forces Korea (USFK), US Army Pacific (USARPAC), Southern Command (SOUTHCOM), Joint Special Operations Command (JSOC), and the US Army Special Operations Command (USASOC). FY08/09 procures critical infostructure components required to support C2 systems such as the Global Command and Control System (GCCS) transition to Joint Command and Control (JC2), Deployable Joint Command and Control System (DJC@), the GCCS, Warfighting Infostructure, Information Assurance (IA), and classified Local Area Networks (LAN). Procurements will focus on LAN expansion, bridges, hubs, routers, implementation of Secret and Below Interoperability (SABI), increased critical component redundancy, video information displays, and enhanced systems security and security monitoring. Funding includes program management costs.</p>		

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: February 2007
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Item Nomenclature HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)
Program Elements for Code B Items:	Code:	Other Related Program Elements:
<p>LEGAL AUTOMATION ARMY-WIDE SYSTEM (LAAWS): LAAWS is the Army Judge Advocate General's Corps (JAGC) Knowledge Management System that provides critical strategic communications, legal resources, and mission support for all legal operations, all Active and Reserve legal personnel, and all phases of mission planning and execution. LAAWS consists of web-enabled legal databases and applications, accessible world-wide on the Army JAGC Web Portal (JAGCNet). It provides legal resources and research capabilities to support the full range of functional legal areas (international law, military justice, claims, administrative law, and litigation) for off-line and stand-alone legal support requirements. The Judge Advocate Warfighting System (JAWS) provides remote (Internet) access to the JAGCNet network. Each JAWS consists of a laptop, DVD drive, printer/scanner/fax, digital camera, CD ROM library references, Secret Internet Protocol Router Network (SIPRNET) connectivity, and reach back capabilities. LAAWS/JAWS is the single system that provides critical legal resources to deployed Army JAGC personnel when advising commanders and activities on statutory and regulatory requirements. Operational support includes lawful targeting, compliance with the Law of War, negotiation and preparation of international agreements and treaties, conduct of legal tribunals, claims processing, and preparation of soldier documents such as wills and powers of attorney. LAAWS also provides courtroom technology support and the integration of military courtrooms into a knowledge-managed system. FY08/09 procures technology to integrate information from various legacy systems into LAAWS. Funds also support the five-year life cycle replacement program for the JAWS and provides enhancement to ensure battlefield survivability, Storage Area Network (SAN) upgrades, infrastructure support for connectivity to reinforce continuity of operations, and increase security and data storage capabilities.</p> <p>ENVIRONMENTAL REPORTING COMPUTING INFRASTRUCTURE: This program provides for Environmental Reporting across the entire U.S. Army. The U.S. Army Environmental Center (USAEC) operates several Army-wide environmental reporting systems which include, but are not limited to, the Army Environmental Reporting Online (AERO) portal, Army Environmental Database (AEDB), AEDB-Environmental Quality (EQ), AEDB-Compliance Cleanup (CC), AEDB-Restoration (R), Environmental Performance Assessment System (EPAS), Environmental Restoration/Range Information System (ERIS), Reimbursable Program Tracking System (RPTS), and the Repository for Environmental Army Documents (READ). Environmental reporting data is collected by these applications and accessible via the World Wide Web.</p>		

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
Headquarters, Department of the Army Automated Data Processing Equipment (HQDA ADPE) Hardware and Software	A	5504			5834			5334			5527		
Housing Operations Management System (HOMES) Hardware and Software	A	425			446			457			467		
Pentagon Information Technology (IT) Infrastructure Hardware and Software -Common IT (Renovation) -Other IT	A	13775			13140			18338			18572		
Command Center Infostructure Hardware, Software, Fielding and Program Management													
-Army Operations Center	A	954			792			792			900		
-European Command	A	1826			1101			1100			1975		
-National Military Command Center Site-R	A	1871			1737			1668			1045		
-US Forces Korea	A	3200			967			968			1251		
Command and Control (C2) Infostructure Hardware, Software, Fielding and Program Management													
-European Command	A	2693			919			919			1065		
-US Forces Korea	A	3492			936			937			1100		
-Southern Command	A	575			572			572			650		
-Joint Special Operations Command	A	444			440			461			676		
-US Army Special Operations Command	A				440			461			676		
-US Army Pacific Command	A	299											



<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: HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)			Weapon System Type:			Date: February 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
Legal Automation Army-Wide System (LAAWS) Hardware and Software	A				1818			1582			1560		
Environmental Reporting Computing Infrastructure Hardware and Software	A				546								
<b>Total:</b>		<b>35058</b>			<b>29688</b>			<b>33589</b>			<b>35464</b>		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)								
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>Headquarters, Department of the Army</b>										
<b>Automated Data Processing Equipment</b>										
<b>(HQDA ADPE) Hardware and Software</b>										
FY 2006	Hewlett-Packard Greenbelt, MD	C/FP	CCE, Washington, DC	VAR	VAR			YES		
FY 2006	GovConnection, Inc. Rockville, MD	C/FP	CCE, Washington, DC	VAR	VAR			YES		
FY 2007	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2008	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2009	TBS	C/FP	TBS	VAR	VAR			YES		
<b>Housing Operations Management System</b>										
<b>(HOMES) Hardware and Software</b>										
FY 2006	Dell Marketing L.P Round Rock, TX	C/FP	CAC-W, Alexandria, VA	VAR	VAR			YES		
FY 2006	Norseman Defense Technologies Elkridge, MD	C/FP	CAC-W, Alexandria, VA	VAR	VAR			YES		
FY 2007	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2008	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2009	TBS	C/FP	TBS	VAR	VAR			YES		
<b>Pentagon Information Technology (IT)</b>										
<b>Infrastructure Hardware and Software</b>										
<b>-Common IT (Renovation)</b>										
FY 2006	Lockheed Martin Seabrook, MD	C/FP	GSA FEDSIM, Alexandria, VA	VAR	VAR			YES		
FY 2006	General Dynamics C4 Systems Needham, MA	C/FP	NSA, Ft. Meade, MD	VAR	VAR			YES		
FY 2006	Sypris Electronics, LLC Tampa, FL	C/FP	NSA, Ft. Meade, MD	Jun 06	Jul 06			YES		
FY 2006	Mykotronx, Inc. Torrance, CA	C/FP	NSA, Ft. Meade, MD	Jun 06	Jul 06			YES		
FY 2007	Lockheed Martin Seabrook, MD	C/FP	GSA FEDSIM, Alexandria, VA	VAR	Jan 07			YES		
FY 2007	TBS	C/FP	TBS	VAR	VAR			YES		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:		P-1 Line Item Nomenclature: HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)						
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
FY 2008	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2009	TBS	C/FP	TBS					YES		
<b>-Other IT</b>										
FY 2006	Revision, Inc. Denver, CO	C/FP	White Sands Missile Range, NM	VAR	VAR			YES		
FY 2006	Microsoft Public Sector Washington, DC	C/FP	White Sands Missile Range, NM	VAR	VAR			YES		
FY 2007	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2008	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2009	TBS	C/FP	TBS	VAR	VAR			YES		
<b>Command Center Infostructure Hardware, Software, Fielding and Program Management</b>										
<b>-Army Operations Center</b>										
FY 2006	Lockheed Martin Seabrook, MD	C/FP	DISA Scott AFB, IL	Mar 06	Apr 06			YES		
FY 2007	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2008	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2009	TBS	C/FP	TBS	VAR	VAR			YES		
<b>-European Command</b>										
FY 2006	SAIC Orlando, FL	C/FP	GSA FEDSIM, Alexandria, VA	VAR	VAR			YES		
FY 2007	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2008	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2009	TBS	C/FP	TBS	VAR	VAR			YES		
<b>-National Military Command Center Site-R</b>										
FY 2006	Suh'dutsing Technologies, LLC Cartersville, MO	C/FP	DOI, Ft. Huachuca, AZ	VAR	VAR			YES		
FY 2007	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2008	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2009	TBS	C/FP	TBS	VAR	VAR			YES		
<b>-US Forces Korea</b>										
FY 2006	Computer Sciences Corp	C/FP	CECOM Ft. Monmouth,	May 06	VAR			YES		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:		P-1 Line Item Nomenclature: HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)						
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
FY 2006	Falls Church, VA System Technologies, Inc W. Long Branch, NJ	C/FP	NJ CECOM Ft. Monmouth, NJ	Apr 06	Jul 06			YES		
FY 2006	USACSLA Ft Huachuca, AZ	C/FP	Ft Huachuca, AZ	VAR	VAR			YES		
FY 2007	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2008	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2009	TBS	C/FP	TBS	VAR	VAR			YES		
<b>Command and Control (C2) Infostructure Hardware, Software, Fielding and Program Management</b>										
<b>-European Command</b>										
FY 2006	SAIC Orlando, FL	C/FP	GSA FEDSIM, Alexandria, VA	VAR	VAR			YES		
FY 2007	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2008	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2009	TBS	C/FP	TBS	VAR	VAR			YES		
<b>-US Forces Korea</b>										
FY 2006	Computer Sciences Corp Falls Church, VA	C/FP	CECOM, Ft Monmouth, NJ	VAR	VAR			YES		
FY 2007	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2008	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2009	TBS	C/FP	TBS	VAR	VAR			YES		
<b>-Southern Command</b>										
FY 2006	Suh'dutsing Technologies, LLC Cartersville, MO	C/FP	DOI, Ft Huachuca, AZ	VAR	VAR			YES		
FY 2007	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2008	TBS	TBS	TBS	VAR	VAR			YES		
FY 2009	TBS	TBS	TBS	VAR	VAR			YES		
<b>-Joint Special Operations Command</b>										
FY 2006	Titan Systems Marlton, NJ	C/FP	NAVSHIPSO, Norfolk, VA	VAR	VAR			YES		
FY 2007	TBS	TBS	TBS	VAR	VAR			YES		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)								
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
FY 2008	TBS	TBS	TBS	VAR	VAR			YES		
FY 2009	TBS	TBS	TBS	VAR	VAR			YES		
<b>-US Army Special Operations Command</b>										
FY 2006	APPTIS, Inc. McLean, VA	C/FP	DITCO-DISA, Scott AFB, IL	Jun 06	Aug 06			YES		
FY 2007	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2008	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2009	TBS	C/FP	TBS	VAR	VAR			YES		
<b>-US Army Pacific Command</b>										
FY 2006	Revision, Inc. Denver, CO	C/FP	White Sands Missile Range, NM	VAR	VAR			YES		
<b>Legal Automation Army-Wide System (LAAWS) Hardware and Software</b>										
FY 2007	TBS	C/FP	CCE-W, Washington, DC	VAR	VAR			YES		
FY 2008	TBS	C/FP	CCE-W, Washington, DC	VAR	VAR			YES		
FY 2009	TBS	C/FP	TBS	VAR	VAR			YES		
<b>Environmental Reporting Computing Infrastructure Hardware and Software</b>										
FY 2007	TBS	C/FP	TBS	VAR	VAR			YES		

REMARKS: All quantities and unit costs vary by configuration and site. VAR - Multiple contracts awarded/delivered throughout the year. CCE - Contracting Center of Excellence; CAC-W - CECOM Acquisition Center-Washington; CECOM - Communications and Electronics Command; GSA FEDSIM - General Services Administration Federal System Integration and Management Center; NSA - National Security Agency; DOI - Department of Interior; NAVSHIPSO - Navy Shipbuilding Support Office; DITCO DISA - Defense Information Technology Contracting Office Defense Information Systems Agency; GTSI - Government Technology Services; AFB - Air Force Base

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

Date: February 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	472.5	136.2	69.9	35.7	36.2	37.7	38.5	39.6	39.9	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc PI	472.5	136.2	69.9	35.7	36.2	37.7	38.5	39.6	39.9	Continuing	Continuing
Initial Spares											
Total Proc Cost	472.5	136.2	69.9	35.7	36.2	37.7	38.5	39.6	39.9	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**  
Funds support the automation system requirements of Army missions and activities not included in other centrally managed programs. Funding has been programmed to accomplish high priority, high payoff initiatives, that offer efficiencies and improvements in Army mission support and reduce operations and maintenance costs. Acquisitions will be accomplished primarily through standard requirements contracts. All systems are subject to the certification and annual review provisions of the FY05 National Defense Authorization Act (NDAA) and Defense Business Transformation initiatives.

**Justification:**  
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 connects 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. FY08/09 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. The program focuses resources to sustain and modernize the IT infrastructure that supports power projection and split-based operations as specified in Army doctrine, Strategic Planning Guidance, and the National Military Strategy (NMS).

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

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: February 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>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. FY08/09 procures data and web servers and program management.</p> <p>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 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. FY08/09 procures BLCSE infrastructure, communications links, collaborative tools and distributed execution of models and simulations to support ACDEP events. It also procures advanced concept simulators, switches, routers, Intrusion Detection Systems (IDS), Tactical FASTLANE (TACLANE) encryptors, sensors, configuration control servers, monitors, and ethernet hubs which allow for improved representation of future force capabilities in a synthetic environment.</p> <p>LEWIS AND CLARK CENTER: The Lewis and Clark Center (LCC) is the intellectual center of the Army providing Army leaders with the education that is critical to the success of the Army's transformation, the Army's future, and National Security. The center leverages advances in educational technology and learning environments to support both the Current and Future Forces of the Army, other DoD components, and the international community. The IT infrastructure is the backbone that delivers functionality and connectivity to operate the data, voice, video network, and associated systems to the LCC, the Network Operations Center (NOC), and the large auditorium. The NOC provides the critical technical link to ensure interoperability of the 96 classrooms and auditoriums in the building. The large auditorium will service the resident class of 1,792 students and can also be used by Fort Leavenworth and local communities. It will host dignitaries from the highest levels of DoD and distinguished national leaders as they address the Command and General Staff College students.</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</p>		

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: February 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>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.  FY08/09 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. This new training system architecture will be capable of demonstrating the fundamentals of digital battle command and staff functions, integrating live, virtual, constructive multi-media educational assets, conducting robust Command Post and Capstone exercises through an integrated and distributed simulation, modeling, and network architecture.</p> <p>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).  FY08/09 procures servers (including the common adaptor sets), Enterprise server consoles, and Secret and Below Interfaces (SABI). NETCROP requires a comprehensive situational awareness architecture that integrates and aggregates information from the wide variety of communications networks and information systems that support theater, tactical, and strategic missions.</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 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.  FY08/09 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. Funding also procures program management.</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.  FY08/09 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>		



<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: MACOM AUTOMATION SYSTEMS (BE4162)			Weapon System Type:			Date: February 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
Army Computing Infrastructure Army-wide Hardware/Software	A	21793			22042			25145			25763		
Installation Support Modules (ISM) Hardware/Software	A	383			424			512			509		
Army Concept Development Experimentation Campaign Plan (ACDEP) Hardware/Software	A	3015			931			1109			1159		
TRADOC Institutional Army Battle Command System (ABCS) Training Base Hardware/Software	A	1807			2086			1213			1041		
Lewis and Clark Center Hardware/Software	A	1151			7496								
Training Aids, Devices, Simulators, and Simulations (TADSS) Hardware/Software	A	11463											
Network Enterprise Technology Command (NETCOM) World-wide Support Mission Hardware/Software	A	3596			516			682			998		
Joint Information Operations Center-Iraq (JIOC-I) Hardware/Software/ Program Management Costs	A	80400			33333								
Army Knowledge Management (AKM) Hardware/Software/Program Management	A	6900						5700			5400		

<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: MACOM AUTOMATION SYSTEMS (BE4162)			Weapon System Type:			Date: February 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
Paperless Contracting Standard Procurement System (SPS) Hardware/Software	A							1312			1353		
Information Technology Continuity of Operations (West Virginia)	A	3700											
Virtual Mission Preparation (VMP)	A	1988											
C4 Modularity	A				1200								
USARPAC Core Warfighting C4 Network Infrastructure	A				1900								
<b>Total:</b>		<b>136196</b>			<b>69928</b>			<b>35673</b>			<b>36223</b>		

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

Date:  
February 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>Army Computing Infrastructure</b>										
<b>Army-wide Hardware/Software</b>										
FY 2006	GTSI, Corp. Chantilly, VA	C/FP	ITEC4-W, Ft. Huachuca, AZ	VAR	VAR			YES		
FY 2006	Graybar Electric Co., Inc. Tucson, AZ	C/FP	ITEC4-W, Ft Huachuca, AZ	Sep 06	Sep 06			YES		
FY 2006	Avaya, Inc. Arlington, VA	C/FP	ITEC4-W, Ft Huachuca, AZ	VAR	VAR			YES		
FY 2006	Acuity Solutions Tampa, FL	C/FP	ITEC4-W, Ft Huachuca, AZ	VAR	VAR			YES		
FY 2006	SMS Data Products Group, Inc. Sterling, VA	C/FP	ITEC4-W, Ft Huachuca, AZ	Sep 06	Oct 06			YES		
FY 2006	IMMIX Technology, Inc. McLean, VA	C/FP	ITEC4-W, Ft Huachuca, AZ	Sep 06	Sep 06			YES		
FY 2006	SOFTMART Government Svcs, Inc Dowlingtown, PA	C/FP	ITEC4, Alexandria, VA	Sep 06	Sep 06			YES		
FY 2006	General Dynamics Needham, MA	C/FP	NSA, Ft Meade, MD	VAR	VAR			YES		
FY 2006	Trusted Systems Inc. Taneytown, MD	C/FP	ACA Pacific, Ft Shafter, HI	Nov 05	Mar 06			YES		
FY 2006	Diebold Inc. Canton, OH	C/FP	ACA Pacific, Ft Shafter, HI	VAR	VAR			YES		
FY 2006	JTSI Kailua, HI	C/FP	ACA Pacific, Ft Shafter, HI	Feb 06	Feb 06			YES		
FY 2006	Commercial Data Systems Honolulu, HI	C/FP	ACA Pacific, Ft Shafter, HI	VAR	VAR			YES		
FY 2006	MITRE Corp McLean, VA	C/FP	CECOM Acq Ctr, Ft Monmouth, NJ	Mar 06	Sep 06			YES		
FY 2006	Bearing Point, Inc. Springfield, VA	C/FP	ITEC4, Alexandria, VA	Apr 06	Oct 06			YES		
FY 2006	Electrosystems Engineers, Inc. El Paso, TX	C/FP	ITEC4, Alexandria, VA	Mar 06	Mar 06			YES		
FY 2006	APPTIS Chantilly, VA	C/FP	ITEC4, Alexandria, VA	VAR	VAR			YES		
FY 2006	GTSI, Corp.	F/FP	DOC, Ft Belvoir,	Jan 06	Feb 06			YES		

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

Date:  
February 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
FY 2006	Chantilly, VA Avaya, Inc. Arlington, VA		F/FP	Arlington, VA CECOM Acq Ctr, Ft Monmouth, NJ	Jun 06	Aug 06			YES		
FY 2007	TBS		C/FP	TBS	VAR	VAR			YES		
FY 2008	TBS		C/FP	TBS	VAR	VAR			NO		
FY 2009	TBS		C/FP	TBS	VAR	VAR			NO		
<b>Installation Support Modules</b>											
<b>(ISM) Hardware/Software</b>											
FY 2006	GMRI Manassas, VA		C/FP	DOI, Herndon, VA	VAR	VAR			YES		
FY 2007	TBS		C/FP	TBS	VAR	VAR			YES		
FY 2008	TBS		C/FP	TBS	VAR	VAR			YES		
FY 2009	TBS		C/FP	TBS	VAR	VAR			YES		
<b>Army Concept Development</b>											
<b>Experimentation Campaign Plan</b>											
<b>(ACDEP) Hardware/Software</b>											
FY 2006	GMRI Manassas, VA		C/FP	PEO STRI DOC, Orlando, VL	Apr 06	VAR			YES		
FY 2007	TBS		C/FP	TBS	VAR	VAR			YES		
FY 2008	TBS		C/FP	TBS	VAR	VAR			NO		
FY 2009	TBS		C/FP	TBS	VAR	VAR			NO		
<b>TRADOC Institutional Army Battle</b>											
<b>Command System (ABCS)</b>											
<b>Training Base Hardware/Software</b>											
FY 2006	Lockheed Martin Fort Knox, KY		C/FP	DCMAE, Orlando, FL	Sep 06	Dec 06			YES		
FY 2007	TBS		C/FP	TBS	VAR	VAR			YES		
FY 2008	TBS		C/FP	TBS	VAR	VAR			NO		
FY 2009	TBS		C/FP	TBS	VAR	VAR			NO		
<b>Lewis and Clark Center Hardware/Software</b>											
FY 2006	APPTIS Chantilly, VA		C/FP	NRCC-L, Ft Leavenworth, KS	VAR	VAR			YES		
FY 2007	Lockheed Martin		C/FP	NRCC-L, Ft	VAR	VAR			YES		

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

Date:  
February 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>Training Aids, Devices, Simulators, and Simulations (TADSS) Hardware/Software</b>	Fort Knox, KY		Leavenworth, KS							
FY 2006	Advanced Simulation Technology Herndon, VA	C/FP	DOC, Ft Sill, OK	Jan 06	Mar 06			YES		
FY 2006	Computer Sciences Corporation Falls Church, VA	C/FP	NAVAIR DOC, Orlando, FL	Mar 06	Apr 06			YES		
FY 2006	Morgan Research Corp. Huntsville, AL	C/FP	NAVAIR DOC, Orlando, FL	Jan 06	Mar 06			YES		
FY 2006	TC Communications Irvin, CA	C/FP	DOC, Ft Gordon, GA	VAR	VAR			YES		
<b>Network Enterprise Technology Command (NETCOM) World-wide Support Mission Hardware/Software</b>										
FY 2006	ISEC Ft Huachuca, AZ	MIPR	NETCOM, Ft Huachuca, AZ	VAR	VAR			YES		
FY 2006	TRIBALCO, LLC Bethesda, MD	C/FP	SPAWAR, North Charleston, SC	Dec 06	Mar 07			YES		
FY 2007	ISEC Ft Huachuca, AZ	MIPR	NETCOM, Ft Huachuca, AZ	VAR	VAR			YES		
FY 2008	TBS	C/FP	TBS	VAR	VAR			NO		
FY 2009	TBS	C/FO	TBS	VAR	VAR			NO		
<b>Joint Information Operations Center-Iraq (JIOC-I) Hardware/Software/ Program Management Costs</b>										
FY 2006	SAIC McLean, VA	C/FP	INSCOM DOC, Ft Belvoir, VA	Jul 06	Sep 06			YES		
FY 2006	Classified	MIPR	Classified	VAR	VAR			YES		
FY 2006	GTSI, Corp. Chantilly, VA	C/FP	DLA, New Cumberland, PA	Aug 06	Dec 06			YES		
FY 2006	General Dynamics Needham, MA	C/CPAF	AF DET-8, Robins AFB, GA	Sep 06	Jan 07			YES		
FY 2006	Sierra Nevada Corp	C/FP	USACE Vicksburg,	Sep 06	Dec 06			YES		

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

Date:  
February 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
FY 2006	Alexandria, VA GTSI, Corp. Chantilly, VA	C/FP	Alexandria, V CECOM Acq Ctr, Ft Monmouth, NJ	Sep 06	VAR			YES		
FY 2006	Mantech, Integrated Data Sys Chantilly, VA	C/FP	CECOM Acq Ctr, Ft Monmouth, NJ	Aug 06	Feb 07			YES		
FY 2006	ILEX Manys Landing, NJ	C/FP	CECOM Acq Ctr, Ft Monmouth, NJ	VAR	VAR			YES		
FY 2006	Software Engineering Center Ft Monmouth, NJ	MIPR	PEO IEW&S, Ft Monmouth, NJ	Aug 06	Sep 06			YES		
FY 2006	Classified	C/SS	CECOM Acq Ctr, Ft Monmouth, NJ	Nov 06	Mar 07			YES		
FY 2007	TBS	C/FP	TBS	VAR	VAR			NO		
<b>Army Knowledge Management (AKM)</b>										
<b>Hardware/Software/Program Management</b>										
FY 2006	Cherry Road Technologies Parsippany, NJ	C/FP	GovWorks, Herndon, VA	Oct 05	Aug 06			YES		
FY 2008	TBS	C/FP	TBS	VAR	VAR			NO		
FY 2009	TBS	C/FP	TBS	VAR	VAR			NO		
<b>Paperless Contracting Standard Procurement System</b>										
<b>(SPS) Hardware/Software</b>										
FY 2008	TBS	C/FP	TBS	VAR	VAR			NO		
FY 2009	TBS	C/FP	TBS	VAR	VAR			NO		
<b>Information Technology Continuity of Operations (West Virginia)</b>										
FY 2006	TBS	C/FP	TBS	VAR	VAR			YES		
<b>Virtual Mission Preparation (VMP)</b>										
FY 2006	Booz Allen & Hamilton McLean, VA	C/FP	ACC, Austin, TX	VAR	VAR			YES		
<b>C4 Modularity</b>										
FY 2007	TBS	C/FP	ACA Pacific, Ft Shafter, HI	VAR	VAR			YES		
<b>USARPAC Core Warfighting C4 Network Infrastructure</b>										

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

Date:  
February 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
FY 2007	TBS	C/FP	ACA Pacific, Ft Shafter, HI	VAR	VAR			YES		

REMARKS: All quantities and unit costs vary by configuration and site. VAR-Multiple contracts awarded/delivered throughout the year;ITEC4-W-Information Technology E-Commerce and Commercial Contracting Center West;ITEC4-Information Technology E-Commerce and Commercial Contracting Center;DOC-Directorate of Contracting;DCMAE-Defense Contract Management Agency East;GMRI-Government Micro Resources, Inc.;DOI-Department of Interior;NRCC-L-Northern Region Contracting Center Leavenworth;NAVAIR-Naval Air Systems Command;ACA-Army Contracting Agency;NSA-National Security Agency;JTSI-Jarrett Technology Solutions, Inc.;SAIC-Science Applications International Corporation;DLA-Defense Logistics Agency;INSCOM-US Army Intelligence and Security Command;CECOM-Communications and Electronics Command;Acq Ctr-Acquisition Center;DET-8-Detachment 8 Acquisition;USACE-US Army Corps of Engineers;AFB-Air Force Base;PEO STRI-Program Executive Office for Stimulation, Training, and Instrumentation;SPAWAR-Space and Naval Warfare System Center;PEO IEW&S-Program Executive Office for Intelligence, Electronic Warfare, and Sensors;AAC-Austin Automation Center, Veterans Affairs

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

Date: February 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: PERSONNEL AUTOMATION SYSTEMS (BE4164)

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	457.0	53.2	36.1	43.4	52.6	50.8	55.2	58.4	43.1	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	457.0	53.2	36.1	43.4	52.6	50.8	55.2	58.4	43.1	Continuing	Continuing
Initial Spares											
Total Proc Cost	457.0	53.2	36.1	43.4	52.6	50.8	55.2	58.4	43.1	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**  
 This budget line provides for procurement of Automated Data Processing Equipment (ADPE) for management information systems in the personnel community. All systems are subject to the certification and annual review provisions of the FY05 National Defense Authorization Act (NDAA) and Defense Business Transformation initiatives.

**Justification:**  
**PERSONNEL ENTERPRISE SUPPORT-AUTOMATION (PES-A):** The PES-A program supports the Active Army, Army National Guard Bureau, Army Reserve, and the Enlisted Records and Evaluation Center (EREC). It provides the integrated, automated infrastructure (hardware, software, and telecommunications) and support services for the Army Human Resources community. The infrastructure and technical support provided by PES-A is critical to the execution of the day-to-day operations for the Active Army and its components in terms of strength accounting, personnel movement, assignment actions, career management, training, recruiting, reenlistment, and mobilization. This strong and integrated infrastructure serves as the backbone for applications to ensure that critical data and information is available at all times to Soldiers, Army leaders, the Department of Defense, and ultimately, Congress.  
 FY08/09 procures servers for life cycle replacement and modernization of mainframe components, client servers, network infrastructure to include routers and switches, and additional storage devices for disaster recovery services.

**UNITED STATES MILITARY ENTRANCE PROCESSING COMMAND (MEPCOM) INTEGRATED RESOURCE SYSTEM (MIRS):** MIRS provides the automation and communications capability for USMEPCOM to meet its peacetime, mobilization and wartime military manpower accession mission for the Department of Defense (DoD) at 65 Military Entrance Processing Stations (MEPS) and 500+ Mobile Examining Test Sites (METS) throughout the US and its territories. MIRS is the only official DoD joint accession resource system that processes applicants for enlistment into all Services in the Armed Forces. It collects, stores, edits, processes, and reports applicant and enlistment data on every US Military applicant to determine their aptitude, physical, medical, and moral qualifications for service. MIRS interfaces with the Social Security Administration, the United States Citizen and Immigration Service, the Federal Bureau of Investigation through the Office of Personnel Management, commercial and DoD Drug Laboratories, the Recruiting Services, the Defense Manpower Data Center, and numerous other DoD systems. MIRS processes approximately 1.2 million individual records annually through its Data Services which directly supports the Selective Service System by maintaining approximately 15 million records. Through life cycle replacements and modernizations, the following functions and capabilities will be possible: positive identification of applicants thus preventing possible terrorist infiltrations, professional test takers, ringers, and fraudulent enlistments; real-time Electronic Records Management (ERM) and transfer functions to prevent loss and tampering of applicant files; real-time medical data capture and heightened data integrity; life cycle replacement of aptitude testing equipment, and aptitude technology refresh.



<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: February 2007
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Item Nomenclature PERSONNEL AUTOMATION SYSTEMS (BE4164)
Program Elements for Code B Items:	Code:	Other Related Program Elements:
<p>FY08/09 procures the last phase of biometric equipment, for positive identification functions, such as workstations, biometric capture devices, digital cameras, and data storage; ERM equipment, to prevent data loss and tampering, such as high speed/high volume scanners, servers, and storage; real-time medical data capture equipment, for heightened data integrity, such as workstations, storage, and network infrastructure; life cycle replacement of aptitude testing equipment, in excess of 60 months of continuous use, such as workstations, servers; and aptitude testing technology refresh such as networking equipment and workstations. This will reduce applicant and recruiter time associated with the accession process and minimize the risk of compromised test results.</p> <p>UNITED STATES MILITARY ENTRANCE PROCESSING COMMAND (MEPCOM) VIRTUAL INTERACTIVE PROCESSING SYSTEM (VIPS). VIPS will replace the MEPCOM Integrated Resource System (MIRS). VIPS will achieve Full Operational Capability (FOC) in FY2014 at which time it will provide the automation and communications capabilities required by USMEPCOM to meet its peacetime, mobilization, and wartime military manpower accession mission for the Department of Defense (DoD). VIPS will be the official DoD joint accession resource system that processes applicants for enlistment into all Services. It collects, stores, edits, processes, and reports applicant and enlistment data on every US Military applicant to determine their aptitude, physical, medical, and moral qualifications for military service. VIPS is a major transformation and modernization effort that first applies Business Process Re-engineering (BPR) to MEPCOM core functions and fosters the transformation of MEPCOM in support of its DoD accession mission. A major capability of VIPS will be Global Accession Processing which provides an ability for applicants to pre-qualify online, via the Internet, prior to arriving at one of the 65 Military Entrance Processing Stations (MEPS). It also provides a fully-automated, fast, efficient, and paperless capability for Aptitude Testing which can be executed globally from anywhere and at anytime. Additionally, VIPS provides a prompt and accurate means for identification of disqualifying medical conditions through a pre-screening process. This medical prescreening process will serve to reduce the medical attrition rates both during and after basic training. Overall, applicant processing benefits will be realized by Recruiting Services, Training Centers, and MEPCOM by reducing redundant administrative processes.</p> <p>FY08/09 procures Program Management (PM) support, infrastructure, and hardware support such as servers, storage, workstations, routers, and switches. Without PM support as well as the infrastructure and hardware support, the MEPCOM transformation and modernization effort will be halted.</p> <p>US MILITARY ACADEMY (USMA) INFORMATION TECHNOLOGY: The USMA is an accredited institution of higher learning. Many non-DoD affiliations affect mission requirements, specifically, the Accreditation Board of Engineering and Technology (ABET), Middle States Accreditation Board, and Computer Science Accreditation Board (CSAB). These accreditation efforts look at future plans for information technology. To maintain its accreditation standards and to instruct and prepare future Army leaders to operate in the sophisticated high-tech warfare depicted in Joint and Army Visions for 2020 and beyond, USMA must employ the latest technology in spaces where cadets, staff, and faculty congregate and collaborate to include cadet barracks, administrative buildings, academic classrooms, and laboratories.</p> <p>FY08/09 procures new computers to upgrade several computer labs and network communications equipment such as routers and switches to support infrastructure programs essential to every aspect of education, training, and Command and Control (C2) of the USMA and West Point Garrison.</p> <p>ARMY CENTRALIZED CIVILIAN HUMAN RESOURCES (ACCHR) PROGRAM (FORMERLY ARMY CIVILIAN PERSONNEL REGIONALIZATION (ACPR)): ACCHR was established to support the lifecycle replacement of the Defense Civilian Personnel Database System (DCPDS), a DoD personnel system utilized by each Defense component. ACCHR also supports additional Army-unique human resource systems, controls the Information Technology (IT) assets for the Army Civilian Data Center (ACDC), Army Benefits Center(ABC), Hoffman Civilian Data Center, eight worldwide Civilian Personnel Operations Centers (CPOC), and over 105 Civilian Personnel Advisory Centers (CPAC) located at Army installations worldwide. ACCHR responsibilities include lifecycle of the complete IT infrastructure ensuring standardization and compatibility with the DoD DCPDS application software and integration with the Open System Environment (OSE) architecture at Army sustaining base sites.</p> <p>FY08/09 procures lifecycle replacement of the DCPDS automation infrastructure, OSE-compliant data and process servers, communications infrastructure, network storage, PCs/Monitors/Printers, and Commercial-Off-The-Shelf (COTS) software (operating system, database management systems, office automation), at the ACDC, eight worldwide CPOCs, and the Hoffman Civilian Data Center.</p> <p>US ARMY ACCESSIONS COMMAND (USAAC) INTEGRATED AUTOMATION ARCHITECTURE (AAC-IAA): The AAC-IAA encompasses the entire automation support for the Army</p>		

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: February 2007
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Item Nomenclature PERSONNEL AUTOMATION SYSTEMS (BE4164)
Program Elements for Code B Items:	Code:	Other Related Program Elements:
<p>accessions, recruiting, and Reserve Officer Training Corps (ROTC) commissioning mission to satisfy Army manning and force strength requirements while interfacing with Army and Department of Defense (DoD) personnel systems. The AAC-IAA serves as the automation enabler for Total Army recruiting (Active, Reserve, and Army National Guard) while operating primarily in the public, educational, and commercial sectors, providing essential data on applicants and newly enlisted soldiers. The AAC-IAA provides enhanced automation capabilities to field recruiters and guidance counselors at Military Entrance Processing Stations (MEPS) for the Regular Army, Reserves, Army National Guard, and other accessioning personnel for special missions. The architecture facilitates response to changes from Office of the Secretary of Defense (OSD) and Department of the Army (DA) concerning accession business processes, reduction of administrative tasks, and eliminating manual reports to leadership. Operationally, it electronically captures information about applicants, supports electronic projection of applicant data to the MEPS, backs up data from recruiter laptops, provides Continuity of Operations (COOP) for critical support systems, maintains historical production data (data warehouse), produces management reports, supports the presentation of Army opportunities, and is the sole source for delivering leads to recruiters. The AAC-IAA data warehouse provides critical data storage and retrieval capabilities for mission and production analysis and is used to allocate valuable accessioning resources. The AAC-IAA also provides the overarching support structure for cyber recruiting and applicant self-processing (Army Career Explorer).</p> <p>FY08/09 procures servers, data storage, web-based applications, tape libraries, routers, and security appliances. Funding specifically supports the Recruiting Services Network (RSN) infrastructure, increased load and storage in the electronic enlistment packet workflow, Computer Telephony (VoIP), and lifecycle of components of the Accessioning Leads Processing Module, Business Intelligence Portal, GoArmy Servers and portal interfaces, the Web-based Accessioning Systems, and COOP hardware.</p> <p>DEFENSE INTEGRATED MILITARY HUMAN RESOURCES SYSTEM (DIMHRS)(FORMERLY ARMY ENTERPRISE HUMAN RESOURCE SYSTEM (eHRS)): DIMHRS provides the Army with an integrated, multi-component, personnel and pay system. The personnel and pay functionality addresses major deficiencies in the delivery of military personnel and pay services, such as incorrect pay and inaccurate credit of service, which are caused by myriad systems with multiple complex interfaces. DIMHRS provides a single personnel and payroll record for all Soldiers, a seamless transition of personnel data between components, and internal controls and audit procedures that prevent erroneous payments and loss of funds. DIMHRS is a secure, self-service web-based system that provides the Soldier 24-hours-a-day, 7-days-a-week access to personnel data to update and review key personnel information without seeing a personnel specialist. DIMHRS will transition the Army into the future years with reliable real-time data in managing the force. As the lead Service to field DIMHRS, the Army must validate the DIMHRS functions and Army Service-level requirements in preparation for full deployment. The Army portion of DIMHRS consists of those activities the Army must perform to define Army-specific requirements. Those activities include developing and conducting DIMHRS utilization training, establishing a functional help desk, preparing existing human resources data for migration to DIMHRS, defining and establishing system interface requirements, all testing, business process development, deployment and program management activities as well as transition and shut-down of the legacy systems. FY09 procures servers for life cycle replacement.</p> <p>PERSONNEL SYSTEM DELIVERY REDESIGN (PSDR): PSDR is an initiative that provides the Human Resource (HR) community's response to Army transformation. PSDR eliminates support layers and minimizes support unit footprint in the battle space. PSDR embeds critical personnel functions in the Brigade (BDE) personnel section and empowers commanders to provide HR support directly to their soldiers. It creates modular, scalable, and flexible HR organizations to support casualty, postal, and R5 (reception, replacement, return to duty, rest and relaxation, and redeployment) functions at the theater level. PSDR also eliminates the requirement to unplug personnel services capability from a garrison structure to support wartime deployments. Finally, PSDR leverages web-based systems, connectivity, and bandwidth to support the expeditionary Army. This initiative exploits already existing technology to empower Brigade and Battalion personnel sections by enabling them to establish and maintain reliable lines of communications with Human Resources Command (HRC), Enlisted Records and Evaluation Center (EREC), HRC-St. Louis, Regional Readiness Centers, and State Joint Forces Headquarters.</p> <p>FY08/09 procures laptop computers, Smart Card Readers/Writers, printers and scanners.</p>		

<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: PERSONNEL AUTOMATION SYSTEMS (BE4164)			Weapon System Type:			Date: February 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
Personnel Enterprise System- Automation (PES-A) Hardware/Software	A	6123			5583			6575			7393		
US Military Entrance Processing Command (USMEPCOM) Integrated Resources System (MIRS) Hardware/Software	A	7016			6226			3290			2175		
USMEPCOM Information Technology Modernization - Virtual Interactive Processing System (VIPS) Hardware/Software	A				5372			1795			15882		
US Military Academy Information Technology Hardware/Software	A	2114			2219			2448			2499		
Army Centralized Civilian Human Resources (ACCHR) Hardware/Software	A	4795			7582			8500			4300		
US Army Accessions Command Integrated Automation Architecture (AAC-IAA) Hardware/Software	A	9770			6408			8236			6467		
Defense Integrated Military Human Resource System (Personnel/Payroll) (DIMHRS) Hardware/Software	A				2660						6304		
Personnel System Delivery Redesign (PSDR) Hardware/Software	A	23334						12525			7600		

<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: PERSONNEL AUTOMATION SYSTEMS (BE4164)			Weapon System Type:			Date: February 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>53152</b>			<b>36050</b>			<b>43369</b>			<b>52620</b>		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: PERSONNEL AUTOMATION SYSTEMS (BE4164)								
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>Personnel Enterprise System- Automation (PES-A)</b>										
<b>Hardware/Software</b>										
FY 2006	Applied Global Technologies Chantilly, VA	C/FP	GSA-FEDSIM, Alexandria, VA	Oct 05	Nov 05			YES		
FY 2006	Northrup Grumman Greenbelt, MD	C/FP	GSA-FEDSIM, Alexandria, VA	Nov 05	Dec 05			YES		
FY 2006	SMS Data Products Group Sterling, VA	C/FP	GSA-FEDSIM, Alexandria, VA	Dec 05	Jan 06			YES		
FY 2006	Executive Information Sys LLC Bethesda, MD	C/FP	GSA-FEDSIM, Alexandria, VA	Jan 06	Feb 06			YES		
FY 2006	Konica Business Technologies Arlington, VA	C/FP	GSA-FEDSIM, Alexandria, VA	Mar 06	Jun 06			YES		
FY 2006	Dell Marketing LP Round Rock, TX	C/FP	GSA-FEDSIM, Alexandria, VA	VAR	VAR			YES		
FY 2006	Business Objects America San Jose, CA	C/FP	GSA-FEDSIM, Alexandria, VA	Aug 06	Sep 06			YES		
FY 2007	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2008	TBS	C/FP	TBS	VAR	VAR			NO		
FY 2009	TBS	C/FP	TBS	VAR	VAR			NO		
<b>US Military Entrance Processing Command (USMEPCOM)</b>										
<b>Integrated Resources System (MIRS) Hardware/Software</b>										
FY 2006	IMMIX Technology McLean, VA	C/FP	DOC, Ft. Knox, KY	Sep 06	Oct 06			YES		
FY 2006	Sirius Enterprise Sys Group San Antonio, TX	C/FP	DOC, Ft Knox, KY	Sep 06	Oct 06			YES		
FY 2006	CDW Government, Inc. Vernon Hills, IL	C/FP	DOC, Ft Knox, KY	Sep 06	Oct 06			YES		
FY 2006	WorldWide Technology, Inc. St. Louis, MO	C/FP	DOI, GovWorks, Herndon, VA	May 06	Jun 06			YES		
FY 2006	IBM Bethesda, MD	C/FP	DOI, GovWorks, Herndon, VA	Sep 06	Oct 06			YES		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: PERSONNEL AUTOMATION SYSTEMS (BE4164)								
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
FY 2006	TBS	C/FP	GSA, FEDSIM, Alexandria, VA	TBD	TBD			YES		
FY 2007	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2008	TBS	C/FP	TBS	VAR	VAR			NO		
FY 2009	TBS	C/FP	TBS	VAR	VAR			NO		
<b>USMEPCOM Information</b>										
<b>Technology Modernization - Virtual Interactive Processing System (VIPS) Hardware/Software</b>										
FY 2008	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2009	TBS	C/FP	TBS	VAR	VAR			YES		
<b>US Military Academy Information</b>										
<b>Technology Hardware/Software</b>										
FY 2006	FCN IT Rockville MD	C/FP	DOC, West Point, NY	May 06	May 06			YES		
FY 2006	CDW Government, Inc. Vernon Hills, IL	C/FP	DOC, West Point, NY	VAR	VAR			YES		
FY 2006	Imperatives, Inc. Schenectady, NY	C/FP	DOC, West Point, NY	Jun 06	Jul 06			YES		
FY 2006	Dell Marketing LP Round Rock, TX	C/FP	DOC, West Point, NY	VAR	VAR			YES		
FY 2006	Countdown Technologies Washington DC	C/FP	DOC, West Point, NY	VAR	VAR			YES		
FY 2006	Information Systems Support Gaithersburg, MD	C/FP	GSA, Atlanta, GA	Dec 05	Feb 06			YES		
FY 2007	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2008	TBS	C/FP	TBS	VAR	VAR			NO		
FY 2009	TBS	C/FP	TBS	VAR	VAR			NO		
<b>Army Centralized Civilian Human Resources (ACCHR) Hardware/Software</b>										
FY 2006	Merlin Technical Solutions Greenwood Village, CO	C/FP	DOC, Ft Belvoir, VA	VAR	VAR			YES		
FY 2006	Hewlett Packard/COMPAQ Omaha, NE	C/FP	DOC, Ft Belvoir, VA	VAR	VAR			YES		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: PERSONNEL AUTOMATION SYSTEMS (BE4164)								
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
FY 2006	Force 3 Crofton, MD	C/FP	DOC, Ft Belvoir, VA	VAR	VAR			YES		
FY 2006	GTSI Corp. Chantilly, VA	C/FP	DOC, Ft Belvoir, VA	VAR	VAR			YES		
FY 2006	EC America San Jose, CA	C/FP	DOC, Ft Belvoir, VA	VAR	VAR			YES		
FY 2006	IBM Bethesda, MD	C/FP	DOC, Ft Belvoir, VA	VAR	VAR			YES		
FY 2006	TELOS Ashburn, VA	C/FP	DOC, Ft Belvoir, VA	VAR	VAR			YES		
FY 2006	Carahsoft Technology Corp Reston, VA	C/FP	DOC, Ft Belvoir, VA	VAR	VAR			YES		
FY 2007	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2008	TBS	C/FP	TBS	VAR	VAR			NO		
FY 2009	TBS	C/FP	TBS	VAR	VAR			NO		
<b>US Army Accessions Command</b>										
<b>Integrated Automation Architecture</b>										
<b>(AAC-IAA) Hardware/Software</b>										
FY 2006	CDW Government, Inc. Vernon Hills, IL	C/FP	DOC, Ft Knox, KY	VAR	VAR			YES		
FY 2006	Northrup Grumman Greenbelt, MD	C/FP	DOC, Ft. Knox KY	VAR	VAR			YES		
FY 2006	GTSI Corp. Chantilly, VA	C/FP	DOC, Ft Knox, KY	VAR	VAR			YES		
FY 2006	WorldWide Technology, Inc. St. Louis, MO	C/FP	DOC, Ft Knox, KY	VAR	VAR			YES		
FY 2007	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2008	TBS	C/FP	TBS	VAR	VAR			NO		
FY 2009	TBS	C/FP	TBS	VAR	VAR			NO		
<b>Defense Integrated Military Human</b>										
<b>Resource System (Personnel/Payroll)</b>										
<b>(DIMHRS) Hardware/Software</b>										
FY 2007	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2009	TBS	C/FP	TBS	VAR	VAR			NO		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: PERSONNEL AUTOMATION SYSTEMS (BE4164)								
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>Personnel System Delivery Redesign</b>										
<b>(PSDR) Hardware/Software</b>										
FY 2006	CDW Govt. Vernon Hills, IL	C/FP	TAD, Tobyhanna, PA	VAR	VAR			YES		
FY 2006	TELOS Ashburn, VA	C/FP	ITEC4, Alexandria, VA	VAR	VAR			YES		
FY 2007	Global Communications Systems Victor, NY	C/FP	CECOM DOC, Ft Monmouth, NJ	Nov 06	VAR			YES		
FY 2007	Tobyhanna Army Depot Tobyhanna, PA	WR	TAD, Tobyhanna, PA	Oct 06	VAR			YES		
FY 2006	Apptis, Inc. Chantilly, VA	C/FP	TAD, Tobyhanna, PA	Dec 06	Mar 07			YES		
FY 2008	TBS	C/FP	TBS	VAR	VAR			NO		
FY 2009	TBS	C/FP	TBS	VAR	VAR			NO		

REMARKS: All quantities and unit costs vary by configuration and site.  
 VAR - Multiple Contracts awarded/delivered throughout the year. DOC - Directorate of Contracting; LLC - Limited Liability Company; LP - Limited Partnership; DOI - Department of Interior; GSA-FEDSIM - General Services Administration Federal Systems Integration and Management Center; IT - Information Technology; Inc - Incorporated; ITEC4 - Information Technology E-Commerce and Commercial Contracting Center; CECOM - Communications and Electronics Command; PEO EIS - Program Executive Office Enterprise Information Systems; TAD - Tobyhanna Army Depot



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

Date: February 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: LOGISTICS AUTOMATION SYSTEMS (BE4166)

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	107.4	1.5	3.0							Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	107.4	1.5	3.0							Continuing	Continuing
Initial Spares											
Total Proc Cost	107.4	1.5	3.0							Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**  
 This budget line funds automation initiatives that support transportation, cargo movement, and re-supply under the Army Strategic Mobility Program (ASMP), begun in part as a result of lessons learned from Operation Desert Shield/Storm, continuing with Operation Enduring Freedom, Operation Iraqi Freedom, and the Congressionally mandated Mobility Requirements Study (MRS). All systems are subject to the certification and annual review provisions of the FY05 National Defense Authorization Act (NDAA) and Defense Business Transformation initiatives.

**WORLDWIDE PORT SYSTEM (WPS):** WPS is a military Surface Deployment and Distribution Command (SDDC) Automated Information System (AIS) essential to effective force projection, intransit visibility, and the Army's strategy for rapid power projection to meet unspecified threats. WPS provides movement control for unit equipment and sustainment cargo while in the transportation pipeline. It supports SDDC ocean terminals, US Navy port activities worldwide, Forces Command (FORSCOM) Reserve Component Transportation Terminal Units, and Active Component Automated Cargo Documentation Detachments with worldwide warfighting support missions. Compact and transportable, WPS substantially increases the ability of the Defense Transportation System to provide intransit visibility information to the Combatant Commanders and United States Transportation Command (USTRANSCOM), while reducing the personnel required to operate the system and the transportation required to deploy the system to remote places.

**INTEGRATED COMPUTERIZED DEPLOYMENT SYSTEM (ICODES):** ICODES is a joint decision-support system developed to assist users with planning and executing the loading and stowage of military cargoes aboard military and commercial ships, rail cars, and trucks. ICODES enables users to track cargo movements from the fort through the port (onto the ship for stowage and into the port of debarkation). This application's supporting architecture incorporates service-unique business practices and enables the joint community to easily produce, exchange, and interpret multi-modal cargo movement plans and reports through a single software application. Other features assist users by providing higher quality alternative solutions to complex loading and discharge problems. ICODES integrates multiple expert systems, knowledge bases, databases, and graphical user interfaces within a computer-based, distributed and cooperative operational environment.

**IN TRANSIT VISIBILITY/AUTOMATIC IDENTIFICATION TECHNOLOGY (ITV/AIT):** ITV/AIT is a suite of technologies that enables the automatic capture of source data rapidly and accurately, and enables the transfer of the data to an Automated Information System (AIS) with little or no human intervention. These technologies enhance the ability to identify, track, document, and control deployment and redeployment of forces, equipment, personnel, and sustainment cargo as it moves through the Defense Transportation System (DTS). ITV/AIT will streamline the Surface Deployment and Distribution Command (SDDC) business processes and enhances the Army's logistics and warfighting capability. The ITV/AIT devices are integrated with other

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

Date: February 2007

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

P-1 Item Nomenclature  
LOGISTICS AUTOMATION SYSTEMS (BE4166)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

components of the Department of Defense (DoD) AIT infrastructure to improve interoperability.

<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: LOGISTICS AUTOMATION SYSTEMS (BE4166)			Weapon System Type:			Date: February 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
Worldwide Port System (WPS)	A	1227			1746								
Integrated Computerized Deployment System (ICODES)	A	286			287								
Intransit Visibility/Automatic Identification Technology (ITV/AIT)	A				948								
<b>Total:</b>		<b>1513</b>			<b>2981</b>								

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

Date:  
February 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: LOGISTICS AUTOMATION SYSTEMS (BE4166)					
<b>Worldwide Port System (WPS)</b>										
FY 2006	Westwood Computer Corp Chantilly, VA	C/FP	SDDC, Alexandria, VA	Sep 06	VAR			YES		
FY 2006	Specialty Cases Laurel, MD	C/FP	SDDC, Alexandria, VA	Sep 06	VAR			YES		
FY 2006	Enter Computers Inglewood, CA	C/FP	SDDC, Alexandria, VA	Sep 06	VAR			YES		
FY 2007	TBS	C/FP	TBS	VAR	VAR			YES		
<b>Integrated Computerized Deployment System (ICODES)</b>										
FY 2006	Intemec Technologies Corp Everett, WA	C/FP	SDDC, Alexandria, VA	VAR	VAR			YES		
FY 2006	Norseman, Inc. Elkridge, MD	C/FP	SDDC, Alexandria, VA	VAR	VAR			YES		
FY 2007	TBS	C/FP	SDDC, Alexandria, VA	VAR	VAR			YES		
<b>Intransit Visibility/Automatic Identification Technology (ITV/AIT)</b>										
FY 2007	TBS	C/FP	TBS	VAR	VAR			YES		

REMARKS: All quantities and unit costs vary by configuration and site.  
SDDC - Surface Deployment and Distribution Command; VAR - Multiple contracts awarded/delivered throughout the year

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

Date: February 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			26.7	33.0	49.1	20.2	20.2	16.7	20.2	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1			26.7	33.0	49.1	20.2	20.2	16.7	20.2	Continuing	Continuing
Initial Spares											
Total Proc Cost			26.7	33.0	49.1	20.2	20.2	16.7	20.2	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**

This program supports the Army's battlefield logistic communication requirements under two programs:

COMBAT SERVICE SUPPORT AUTOMATION INFORMATION SYSTEM INTERFACE (CAISI): CAISI allows legacy and emerging battlefield combat service support (CSS) automation devices within the logistics support areas to electronically exchange information via tactical networks. CAISI also interfaces with other battlefield, CSS, and sustaining base automated systems. CAISI provides unit commanders and managers an interface device to support current and future combat service support doctrine during peace and war time, concentrating users and transferring real time information on a highly mobile battlefield.

COMBAT SERVICE SUPPORT SATELLITE COMMUNICATIONS (CSS SATCOM): CSS SATCOM provides a highly effective, easy to use, transportable commercial SATCOM based solution to CSS nodes, supporting broadband information exchange up to Sensitive But Unclassified (SBU), rapidly deployable anywhere in the world, and fully integrated into the Global Information Grid (GIG).

**Justification:**

FY08/09 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.

FY08/09 also procures satellite terminals, critical infrastructure equipment, fielding and new equipment training costs associated with the deployment of remote satellite terminals to CSS units Army wide.

<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 COMMUNICATIONS (BD3501)			Weapon System Type:			Date: February 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
Combat Service Support Automation Information System Interface (CAISI)	A				9875			12002			16140		
Combat Service Support Satellite Communications (CSS SATCOM)	A				16783			20953			33000		
<b>Total:</b>					<b>26658</b>			<b>32955</b>			<b>49140</b>		

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

Date: February 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			9.9	12.0	16.1	17.2	17.2	13.7	17.2	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1			9.9	12.0	16.1	17.2	17.2	13.7	17.2	Continuing	Continuing
Initial Spares											
Total Proc Cost			9.9	12.0	16.1	17.2	17.2	13.7	17.2	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**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. CAISI enables Combat troops to communicate real-time logistics information to reach-back commands and is a critical component of the Army Connect the Logistician program.

**Justification:**  
FY08/09 procures hardware and support to integrate CAISI modules enabling the communication of real-time logistics information.

<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: February 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
System Support Rep Kit Hardware	A				3550	125	28	3750	150	25	3750	150	25
CAISI Bridge Module Hardware	A				3240	1459	2	8252	1032	8	12390	1549	8
CAISI Client Module Hardware	A				3085	617	5						
<b>Total:</b>					<b>9875</b>			<b>12002</b>			<b>16140</b>		



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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: CAISI (BD3512)								
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>System Support Rep Kit Hardware</b>										
FY 2007	Tobyhanna Army Depot Tobyhanna, PA	WR	CECOM, Ft Monmouth, NJ	Oct 06	VAR	125	28	YES	NO	NA
FY 2008	Tobyhanna Army Depot Tobyhanna, PA	WR	CECOM, Ft Monmouth, NJ	Oct 07	VAR	150	25	NO	NO	NA
FY 2009	Tobyhanna Army Depot Tobyhanna, PA	WR	CECOM, Ft Monmouth, NJ	Oct 08	VAR	150	25	NO	NO	NA
<b>CAISI Bridge Module Hardware</b>										
FY 2007	Tobyhanna Army Depot Tobyhanna, PA	WR	CECOM, Ft Monmouth, NJ	Oct 06	VAR	1459	2	YES	NO	NA
FY 2008	Tobyhanna Army Depot Tobyhanna, PA	WR	CECOM, Ft Monmouth, NJ	Oct 07	VAR	1032	8	NO	NO	NA
FY 2009	Tobyhanna Army Depot Tobyhanna, PA	WR	CECOM, Ft Monmouth, NJ	Oct 08	VAR	1549	8	NO	NO	N/A
<b>CAISI Client Module Hardware</b>										
FY 2007	Tobyhanna Army Depot Tobyhanna, PA	WR	CECOM, Ft Monmouth, NJ	Oct 06	VAR	617	5	YES	NO	NA

REMARKS:

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

Date: February 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			16.8	21.0	33.0	3.0	3.0	3.0	3.0	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1			16.8	21.0	33.0	3.0	3.0	3.0	3.0	Continuing	Continuing
Initial Spares											
Total Proc Cost			16.8	21.0	33.0	3.0	3.0	3.0	3.0	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**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). CSS SATCOM is a critical component of the Army Connect the Logistician Program.

**Justification:**

FY08/09 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.

<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: February 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
VSATs					16783	156	108	20953	194	108	33000	306	108
<b>Total:</b>					<b>16783</b>		<b>108</b>	<b>20953</b>		<b>108</b>	<b>33000</b>		<b>108</b>

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment			Weapon System Type:		P-1 Line Item Nomenclature: CSS SATCOM (BD3513)					
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>VSATs</b>										
FY 2007	TAMSCO-GCS West Long Branch, NJ	C/FP	Fort Monmouth, NJ	Oct 06	Jan 07	156	108	YES	NO	NA
FY 2008	TAMSCO-GCS West Long Branch, NJ	C/FP	Fort Monmouth, NJ	Oct 07	Jan 08	194	108	YES	NO	NA
FY 2009	TAMSCO-GCS West Long Branch, NJ	C/FP	Fort Monmouth, NJ	Oct 08	Jan 09	306	108	YES	NO	N/A

REMARKS:

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

Date: February 2007

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

P-1 Item Nomenclature  
RESERVE COMPONENT AUTOMATION SYS (RCAS) (BE4167)

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	1523.3	30.1	28.6	30.4	42.6	42.8	41.7	42.6	43.6	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	1523.3	30.1	28.6	30.4	42.6	42.8	41.7	42.6	43.6	Continuing	Continuing
Initial Spares											
Total Proc Cost	1523.3	30.1	28.6	30.4	42.6	42.8	41.7	42.6	43.6	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**

RCAS is an Automated Information System (AIS) that provides the Army the capability to manage and mobilize Army National Guard and Army Reserve forces more effectively. The RCAS supports the full spectrum of Army Reserve Component operations and achieves information economies of scale and seamless interoperability through centralized data management; common interfaces and applications; shared, tailorable databases; and a standard, open systems architecture. The RCAS links over 57,000 PC-based workstations at 10,500 Guard and Reserve units at over 4,000 sites located in 54 states, territories, and the District of Columbia.

**Justification:**

FY08/09 procures replacement of 20 percent of the RCAS hardware infrastructure fielded to the Army's Reserve Components which satisfies agency information technology mandates in the areas of information assurance, networkiness, server consolidation, and a common operating environment.

<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: RESERVE COMPONENT AUTOMATION SYS (RCAS) (BE4167)			Weapon System Type:			Date: February 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
PRODUCTION	A												
ADP Equipment (Initial)	A												
ADP Equipment (Replacement)	A	30130	1	30130	28560	1	28560	30427	1	30427	42571	1	42571
ADP Software	A												
<b>Total:</b>		<b>30130</b>			<b>28560</b>			<b>30427</b>			<b>42571</b>		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: RESERVE COMPONENT AUTOMATION SYS (RCAS) (BE4167)							
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>PRODUCTION</b>										
FY 2006	SRA Fairfax, VA	IDIQ	NGB, Arlington, VA	Oct 05	Apr 06	1	30130	Yes	No	
FY 2007	SRA Fairfax, VA	IDIQ	NGB, Arlington, VA	Oct 06	Apr 07	1	28560	Yes	No	
FY 2008	TBD	IDIQ	TBD							
FY 2009	TBD	IDIQ	TBD							

REMARKS: REMARKS:

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

Date: February 2007

Appropriation / Budget Activity / Serial No: P-1 Item Nomenclature  
 Other Procurement, Army / 2 / Communications and Electronics Equipment AFRTS (BZ8480)

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	86.1	2.6	1.0	1.0	1.6		0.4	0.4	0.4	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	86.1	2.6	1.0	1.0	1.6		0.4	0.4	0.4	Continuing	Continuing
Initial Spares											
Total Proc Cost	86.1	2.6	1.0	1.0	1.6		0.4	0.4	0.4	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**  
 The American Forces Radio & Television Service (AFRTS) provides English language broadcast services to Department of Defense (DoD) personnel and family members stationed overseas. AFRTS is the only mass communications support to overseas warfighting Combatant Commanders for dissemination of emergency, safety, and command information during peacetime, wartime, and Operations Other Than War (OOTW). AFRTS facilities operate 24 hours a day broadcasting radio and television programming to nearly 350,000 Soldiers, Sailors, Airmen, Marines, DoD civilians, and family members in accordance with DoD Directive 5122.10. Overseas wartime operational Combatant Commanders consider AFRTS a "combat multiplier" and an essential "quality of life" issue for maintaining and enhancing the morale, readiness, and well-being of overseas troops, DoD personnel, and their families. AFRTS service has become increasingly important for dissemination of timely information as the Army shifts resources in support of contingency, peacekeeping, and wartime operations. Congress mandates that AFRTS provides the same type and quality of radio and television programming services to personnel deployed overseas as those that are available to American citizens in the United States. This system is subject to the certification and annual review provisions of the FY05 National Defense Authorization Act (NDAA) and Defense Business Transformation initiatives. The mass communications broadcast mission of AFRTS is not duplicated by the strategic communications mission of the Army or the other services. AFRTS is the only means of direct communication from the President of the United States through Combatant Commanders to US deployed forces worldwide. Plant-in-place broadcast equipment and mobile systems must remain flexible and capable to enable Commanders at every level to communicate time sensitive and relevant information to deployed forces and serve as a force multiplier during natural disasters, civil disturbance, and declared and undeclared conflicts throughout the world.

**Justification:**  
 FY08/09 procures the life cycle replacement of radio and television production, transmission, and distribution systems for use in support of AFRTS' current and contingency operations worldwide.



<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: AFRTS (BZ8480)			Weapon System Type:			Date: February 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
Life Cycle Replacement of Broadcast Systems	A	741			1003			964			1640		
Satellite Production Vehicle Program	A	1849											
(All quantities and unit costs vary by configuration)													
<b>Total:</b>		<b>2590</b>			<b>1003</b>			<b>964</b>			<b>1640</b>		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: AFRTS (BZ8480)								
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>Life Cycle Replacement of Broadcast Systems</b>										
FY 2006	Snader and Associates Inc Roseville, CA	C/FP	DMC T-ASA, Riverside, CA	VAR	VAR			Yes		
FY 2006	Blue Tech Inc San Diego, CA	C/FP	DMC T-ASA, Riverside, CA	Nov 06	Mar 07			Yes		
FY 2006	A and T Marketing, Inc. Columbia, MD	C/FP	DMC T-ASA, Riverside, CA	Dec 06	Mar 07			Yes		
FY 2006	ASAP Software Inc Buffalo Grove, IL	C/FP	DMC T-ASA, Riverside, CA	Dec 06	Mar 07			Yes		
FY 2006	Washington Professional System Wheaton, MD	C/FP	DMC T-ASA, Riverside, CA	Dec 06	Mar 07			Yes		
FY 2006	EHI Company Norfolk, VA	C/FP	DMC T-ASA, Riverside, CA	Dec 06	Mar 07			Yes		
FY 2006	West Coast Business Products Chatsworth, CA	C/FP	DMC T-ASA, Riverside, CA	Dec 06	Mar 07			Yes		
FY 2006	TBS	C/FP	DMC T-ASA, Riverside, CA	TBS	TBS			Yes		
FY 2007	TBS	C/FP	ECO, Wiesbaden AB Germany	TBS	TBS			Yes		
FY 2008	TBS	C/FP	TBS	TBS	TBS			Yes		
FY 2009	TBS	C/FP	TBS	TBS	TBS			Yes		
<b>Satellite Production Vehicle Program</b>										
FY 2006	Naval Air Warfare Center St. Inigoes, MD	MIPR	OCPA, Arlington, VA	May 06	Jun 07			Yes		
FY 2006	L3 Communications / Wolfcoach Auburn MA	C/FP	NAVAIR, St. Inigoes, MD	May 06	Jun 07			Yes		

REMARKS: All quantities and unit costs vary by configuration and site. VAR - Multiple contracts awarded throughout the year. DMC T-ASA - Defense Media Center Television-Audio Support Activity; ECO - European Contracting Office; AB - Air Base; OCPA - Office, Chief of Army Public Affairs; NAVAIR - Naval Air Warfare Center

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

Date: February 2007

Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment  
 P-1 Item Nomenclature: ITEMS LESS THAN \$5.0M (A/V) (BK5289)

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	160.9	2.7	6.7	6.3	6.4	6.1	5.9	5.9	5.9	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	160.9	2.7	6.7	6.3	6.4	6.1	5.9	5.9	5.9	Continuing	Continuing
Initial Spares											
Total Proc Cost	160.9	2.7	6.7	6.3	6.4	6.1	5.9	5.9	5.9	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**  
 MULTIMEDIA/VISUAL INFORMATION SYSTEMS PROGRAM (M/VISP): The M/VISP is a centrally managed program that supports Multimedia/Visual Information (M/VI) processes for all Army installations, Direct Reporting Units (DRU), Army Commands, (ACOM), and Army Service Component Commands (ASCC) at Enterprise Multimedia Visual Information Support Centers (EM/VISC). M/VISP initiatives enable the restructuring and consolidation of assets ranging from the more traditional physical location workspace to the paradigm shift of a network centric workspace. Under this new paradigm shift into net-centricity, it allows for virtual visits, work submissions, and utilization of digital assets and web-based products. The centralization and streamlining efforts for M/VI processes continues to reduce overall operating expenses while expanding the level of services. The M/VISP also provides combat camera support to Active and Reserve Components at theater headquarters and subordinate units to accomplish digital video and still photography documentation during limited combat and combat support operations. This system is subject to the certification and annual review provisions of the FY05 National Defense Authorization Act (NDAA) and Defense Business Transformation initiatives.

Implementation of the EM/VISC provides Command, Control, Communications, Computers, and Information Management (C4IM) services throughout the EM/VISCs to include supporting the realignment of VI resources, functions, and facilities for transforming the institutional Army. The EM/VISC supports forward deployed forces by providing real-time reach back capabilities to home stations. The M/VI and information technology (IT) equipment supporting the EM/VISCs web-portal capability distributes on-demand video, graphics, still imagery, and live web streaming of audio/video to provide the war fighter access to training materials, a medium to connect directly to Family Readiness Groups, and a collaborative tool to communicate with home station assets. The EM/VISCs are symmetrical in design and connected to an Army-wide network with each installation M/VI Activity connected to their supporting EM/VISC for command support.

**Justification:**  
 FY08/09 procures high-end equipment such as: Storage Area Networks (SAN), fiber switches, High Definition (HD) production systems, Closed Circuit TV (CCTV) broadcast systems, HD video editing systems, broadcast production servers, and various media servers to support both the EM/VISC initiative and M/VISP missions.

<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: ITEMS LESS THAN \$5.0M (A/V) (BK5289)			Weapon System Type:			Date: February 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
Multimedia/Visual Information Systems Program (M/VISIP)  Procurement actions consisting of one or more items of Visual Information equipment. Individual items are listed in the M/VISIP for year indicated. The Army maintains a priority listing.	A	2660			6727			6306			6355		
<b>Total:</b>		<b>2660</b>			<b>6727</b>			<b>6306</b>			<b>6355</b>		

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

Date:  
February 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 (A/V) (BK5289)								
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>Multimedia/Visual Information Systems Program (M/VSIP)</b>										
FY 2006	Innovative Technologies, Inc. Chantilly, VA	C/FP	DMC T-ASA, March ARB, CA	VAR	VAR			Yes		
FY 2007	TBS	C/FP	DMC T-ASA, March ARB, CA	TBD	TBD			Yes		
FY 2008	TBS	C/FP	DMC T-ASA, March ARB, CA	TBD	TBD			Yes		
FY 2009	TBS	C/FP	DMC T-ASA, March ARB, CA	TBD	TBD			Yes		

REMARKS: VAR - Multiple contracts awarded/delivered throughout the year. M/VSIP items are procured from contracts with a variety of manufacturers for various sites. DMC T-ASA - Defense Media Center Television-Audio Support Activity; ARB - Air Reserve Base

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

Date: February 2007

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

P-1 Item Nomenclature  
ITEMS LESS THAN \$5M (SURVEYING EQUIPMENT) (BL5300)

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	5.7	2.7	1.7	3.4	4.0	5.6	6.5	5.4	5.1	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	5.7	2.7	1.7	3.4	4.0	5.6	6.5	5.4	5.1	Continuing	Continuing
Initial Spares											
Total Proc Cost	5.7	2.7	1.7	3.4	4.0	5.6	6.5	5.4	5.1	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**

This budget line supports the procurement and upgrade of the Automated Integrated Survey Instrument (AISI) (both Long and Short versions), Digital Levels, Topographic Supplemental Survey Set, General Purpose Survey Set, Hydrographic Survey Set and the Sketch Set. This equipment supports the survey mission of both the Topographic and Construction Engineer. Capabilities provided by this equipment enable engineers to establish the geodetic control necessary to support Artillery (e.g., placement of weapons platforms), Aviation (e.g., aircraft registration, safety surveys) and Topographic support. Additionally, this equipment supports Construction Engineering surveys (e.g., roads, buildings, logistics sites, staging areas, airfield construction). Software functionality, included as part of this procurement, allows the user to accomplish the design work necessary for site design and construction (e.g., materiel calculations, labor, resources).

**Justification:**

FY 2008/2009 procures the Automated Integrated Survey Instrument (AISI) for Active Duty, National Guard, and Army Reserve units.

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

Date: February 2007

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

P-1 Item Nomenclature  
WEAPONIZATION of UNMANNED AERIAL SYSTEM (UAS) (B10300)

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			1.7	15.2	15.2	15.2	15.3				62.6
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1			1.7	15.2	15.2	15.2	15.3				62.6
Initial Spares											
Total Proc Cost			1.7	15.2	15.2	15.2	15.3				62.6
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

Weaponization of Unmanned Aerial Systems (UAS) includes and addresses the full scale integration of weapons system capability for UASs such as: the Extended Range Multi-Purpose (ERMP) UAS. These capability modifications include the refinement of requirements, the iterative selection of the optimum weapons matched to the aircraft capabilities, hardware and software design. This will include requisite airframe, mission management software, or weapon compatibility modifications to allow the system to carry and employ weapons.

**Justification:**

FY08/09 funds procure installation/support kits to support unique UAS mission profiles and mod kits for ground assets to weaponize UASs; such as ERMP.

<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: WEAPONIZATION of UNMANNED AERIAL SYSTEM (UAS) (B10300)			Weapon System Type:			Date: February 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
Installation Kits/Spt Test Eq/ Integrat					1654			15207			15224		
<b>Total:</b>					<b>1654</b>			<b>15207</b>			<b>15224</b>		



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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: WEAPONIZATION of UNMANNED AERIAL SYSTEM (UAS) (B10300)							
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>Installation Kits/Spt Test Eq/ Integrat</b>										
FY 2007	General Atomics San Diego, CA	SS/CPIP	AMCOM	NA	NA					
FY 2008	General Atomics San Diego, CA	SS/CPIP	AMCOM	NA	NA					
FY 2009	General Atomics San Diego, CA	SS/CPIP	AMCOM	NA	NA					

REMARKS:

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

Date: February 2007

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

P-1 Item Nomenclature  
Items under \$5M (SSE) (BF4500)

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			17.4	14.4	15.5	3.5					50.9
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1			17.4	14.4	15.5	3.5					50.9
Initial Spares											
Total Proc Cost			17.4	14.4	15.5	3.5					50.9
Flyaway U/C											
Weapon System Proc U/C											

**Description:**

The Space Support Enhancement Toolset (SSET) system is comprised of four Space Operations Systems (SOS) workstations and one Space Applications Technology User Reachback Node (SATURN) communications suite. The system is primarily configured in a V5 Rigid Walled Shelter, mounted on a M1113 HMMWV, but can also be dismounted for use in fixed sites. The system provides a variety of space related advanced analysis tools and global reach back, broadband, unclassified and classified communications. The Space Common Data Link Terminal (MR-TCDL) allows Corps headquarters to receive sensor downlink from Tactical Satellites (TACSAT), which are part of the Congressionally mandated Operationally Responsive Space (ORS) program.

The modern battlefield has increasingly extended vertically into the region of space. To achieve the information superiority required for advanced full-spectrum operations, the Army must fully exploit the high ground of space and seamlessly integrate it into land force operations. While individual Battlefield Operating System (BOS) elements routinely utilize space-based assets to meet specific requirements, commanders require the capability to effectively coordinate, integrate, and leverage available space support capabilities across all BOS/staff functional lines and space mission areas. To this end, the Army has taken a layered approach to space support, built around a construct of two unique but complementary groupings of Army space forces and capabilities. The first grouping consists of Space Support Elements (SSE) staff sections in the modular Army operational and tactical headquarters. The second grouping consists of Army Space Support Teams (ARSST) organic to United States Army Space and Missile Defense Command (SMDC)/ Army Forces Strategic Command (ARSTRAT), which provide space support to the Joint Force Land Component Commander (JFLCC) and/or Army Force (ARFOR), other joint headquarters, Army modular headquarters, and other government agencies. Space Operations Officers and NCOs in both these groupings provide broad-based space planning, coordination, and integration expertise, working in conjunction with the entire staff to add synergy across the full range of BOS and functional staff responsibilities. Additionally, they rely on space support capabilities to perform mission essential functions such as integrating and synchronizing space assets in support of operations; enhancing access to joint, national, civil, and commercial space systems; providing space input and recommendations to unit planning activities; and coordinating the protection of friendly space capabilities, and the negation of enemy space capabilities. These capabilities are derived from a variety of modular Battle Command systems, C4ISR systems, Space Common Data Link terminals, and from augmenting ARSST teams equipped with SSET.

**Justification:**

FY08/09 funds will procure 7 ARSST SSET equipment sets for newly activating ARSST teams; 20 SOS workstations for Space Support Elements; and provide management/technical services and SSET-to-DCGS-A systems engineering/integration.

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
V5 Rigid Wall Shelter					1350	6	225	1575	7	225	1575	7	225
HMMWV M1152					540	6	90	630	7	90	630	7	90
SOS Workstation					260	4	65	3120	48	65	3120	48	65
SATURN Comms Suite					1830	6	305	2135	7	305	2135	7	305
Interim Contractor Support					2000	1	2000						
Program Administration					400	1	400	500	1	500	600	1	600
Systems Integration					2000	1	2000	3070	1	3070	3300	1	3300
Systems Engineering					1043	1	1043	3400	1	3400	4170	1	4170
Space Common Data Link Terminal					8000	4	2000						
<b>Total:</b>					<b>17423</b>			<b>14430</b>			<b>15530</b>		

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: Items under \$5M (SSE) (BF4500)								
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>V5 Rigid Wall Shelter</b>										
FY 2007	Segovia Colorado Springs, CO	FFP	SMDC, Huntsville, AL	Jan 07	Mar 07	6	225			
FY 2008	Segovia Colorado Springs, CO	FFP	SMDC, Huntsville, AL	Jan 08	Mar 08	7	225			
FY 2009	Segovia Colorado Springs, CO	FFP	SMDC, Huntsville, AL	Jan 09	Mar 09	7	225			
<b>HMMWV M1152</b>										
FY 2007	Segovia Colorado Springs, CO	FFP	SMDC, Huntsville, AL	Jan 07	Mar 07	6	90			
FY 2008	Segovia Colorado Springs, CO	FFP	SMDC, Huntsville, AL	Jan 07	Mar 08	7	90			
FY 2009	Segovia Colorado Springs, CO	FFP	SMDC, Huntsville, AL	Jan 07	Mar 09					
<b>SOS Workstation</b>										
FY 2007	Segovia Colorado Springs, CO	FFP	SMDC, Huntsville, AL	Jan 07	Mar 07	4	65			
FY 2008	Segovia Colorado Springs, CO	FFP	SMDC, Huntsville, AL	Jan 08	Mar 08	48	65			
FY 2009	Segovia Colorado Springs, CO	FFP	SMDC, Huntsville, AL	Jan 09	Mar 09	48	65			
<b>SATURN Comms Suite</b>										
FY 2007	Segovia Colorado Springs, CO	FFP	SMDC, Huntsville, AL	Jan 07	Mar 07	6	305			
FY 2008	Segovia Colorado Springs, CO	FFP	SMDC, Huntsville, AL	Jan 07	Mar 08	7	305			
FY 2009	Segovia Colorado Springs, CO	FFP	SMDC, Huntsville, AL	Jan 07	Mar 09	7	305			
<b>Interim Contractor Support</b>										
FY 2007	Segovia Colorado Springs, CO	FFP	SMDC, Huntsville, AL	Jan 07	Mar 07	1	2000			
FY 2008	Segovia Colorado Springs, CO	FFP	SMDC, Huntsville, AL	Jan 08	Mar 08					
FY 2009	Segovia Colorado Springs, CO	FFP	SMDC, Huntsville, AL	Jan 07	Mar 09					

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

Date:  
February 2007

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: Items under \$5M (SSE) (BF4500)								
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>Program Administration</b>										
FY 2007	Segovia Colorado Springs, CO	FFP	SMDC, Huntsville, AL	Oct 06	Jan 07	1	400			
FY 2008	Segovia Colorado Springs, CO	FFP	SMDC, Huntsville, AL	Oct 07	Sep 08	1	500			
FY 2009	Segovia Colorado Springs, CO	FFP	SMDC, Huntsville, AL	Oct 08	Sep 09	1	600			
<b>Systems Integration</b>										
FY 2007	Segovia Colorado Springs, CO	FFP	SMDC, Huntsville, AL	Oct 06	Jan 07	1	2000			
FY 2008	Segovia Colorado Springs, CO	FFP	SMDC, Huntsville, AL	Oct 07	Sep 08	1	3070			
FY 2009	Segovia Colorado Springs, CO	FFP	SMDC, Huntsville, AL	Oct 08	Sep 09	1	3300			
<b>Systems Engineering</b>										
FY 2007	Segovia Colorado Springs, CO	FFP	SMDC, Huntsville, AL	Oct 06	Jan 07	1	1043			
FY 2008	Segovia Colorado Springs, CO	FFP	SMDC, Huntsville, AL	Oct 07	Jan 08	1	3400			
FY 2009	Segovia Colorado Springs, CO	FFP	SMDC, Huntsville, AL	Oct 08	Jan 09	1	4170			
<b>Space Common Data Link Terminal</b>										
FY 2007	Segovia Colorado Springs, CO	FFP	SMDC, Huntsville, AL	Oct 06	Jan 07	4	2000			
FY 2008	Segovia Colorado Springs, CO	FFP	SMDC, Huntsville, AL	Oct 07	Jan 08					
FY 2009	Segovia Colorado Springs, CO	FFP	SMDC, Huntsville, AL	Oct 08	Jan 09					

REMARKS: These are COTS items

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

Date: February 2007

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

P-1 Item Nomenclature  
PRODUCTION BASE SUPPORT (C-E) (BF5400)

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	182.2	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.6	Continuing	Continuing
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1	182.2	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.6	Continuing	Continuing
Initial Spares											
Total Proc Cost	182.2	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.6	Continuing	Continuing
Flyaway U/C											
Weapon System Proc U/C										Continuing	Continuing

**Description:**

This program provides funding to the Army Test and Evaluation Command (ATEC), Developmental Test Command (DTC) to establish, modernize, expand or replace test facilities used in production testing of Communications and Electronic materiel. It sustains Army production test capabilities through upgrade and replacement of instrumentation and equipment that is technologically and/or economically obsolete. Modernization of test instrumentation and equipment provides increased automation and efficiencies, improved data quality and quantity and cost avoidances to Army Program Managers. Production test instrumentation and equipment at the Electronic Proving Ground (EPG), Fort Huachuca, AZ, will be replaced or upgraded.

The Instrumented Test Range (ITR) intercom system allows the test operations controller to communicate with other range participants such as radar operators, communications personnel, and others for purposes of test coordination and safety management. The majority of the instrumentation being upgraded or replaced is obsolete and has met or exceeded its economic life. This instrumentation is required to ensure complete and accurate test data is collected and safety and environmental hazards are minimized. Benefits of this project include increased test efficiencies and decreased costs and risks to Army Program Managers.

**Justification:**

FY 08/09 procures for the Electronic Proving Ground (EPG), Fort Huachuca, AZ, an improved Global Positioning System (GPS) Environment Monitoring System (IGEMS) to provide a capability to monitor and record GPS interference signal levels (both intentional and unintentional) during Electronic Warfare testing; portable GPS data loggers to provide the capability to collect GPS performance data from test items in the field; and procures a Real-Time Graphics Data Display System (RTGDDS) and range intercommunications (Digital Intercom) system for the Instrumented Test Range which allows test officers and customers to collect data for post-test analysis and viewing test related information on the graphics workstation displays in real-time. The RTGDDS upgrade consists of: Five PC based front-end data processors, seven Unix based graphics data display workstations and real-time data transmission network.