

# DEPARTMENT OF THE ARMY

## Procurement Programs



Committee Staff Procurement Backup Book  
FY 2004/2005 BIENNIAL BUDGET SUBMISSION

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

Budget Activity 2

APPROPRIATION

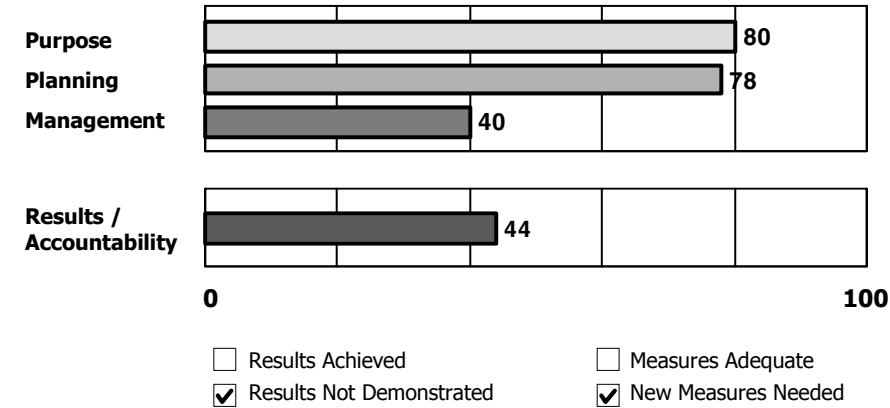
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February 2003

**Program:** *Communications Infrastructure*

**Agency:** *Department of Defense--Military*

**Bureau:** *Department of Defense--Military*



**Key Performance Measures**

**Year Target Actual**

Long-term Measure: DoD is preparing long-term performance metrics, to include system capacity, performance, and user satisfaction. (New measure, target under development)			
Annual Measure: Percent of time that the Non-Secure Internet Protocol Router Network (NIPRNET) access circuit is available. NIPRNET is the unclassified IT system.	2000	> 98.5%	99.63%
	2001	> 98.5%	99.50%
	2002	> 98.5%	
	2003	> 98.5%	
Annual Measure: Number of bases upgraded by the Army Installation Information Infrastructure Modernization Program (I3MP)	2001	5	5
	2002	8	8
	2003	5	

**Rating:** *Results Not Demonstrated*

**Program Type:** *Capital Assets*

**Program Summary:**

The communications infrastructure program includes all networks and systems for transmission of voice, data, and video information for the Department of Defense, with a total investment of about \$5.4 billion in 2003. This analysis includes base level communications activities of the military services, DoD's long distance communications, and the Defense Information System Network (DISN), managed by the Defense Information Systems Agency (DISA), which provides world wide communications capabilities to military personnel. The DISN includes the Global Infrastructure Grid (GIG) Bandwidth Expansion program, which will increase bandwidth connections to over 90 military bases, and the DoD Teleport program, which will improve satellite communications connections.

Overall, the PART reveals that DoD does not manage its communications infrastructure on an enterprise or department-wide basis. Best industry practice suggests a communications infrastructure should be managed with an enterprise approach rather than in a piecemeal fashion by component. The PART assessment also suggests that DoD should develop common performance measures to be used across the entire department for this program. Additional findings include:

1. The program's purpose is clear, owing to the unique military requirements of these systems.
2. The program performs well on planning because it has established clear short-term goals and has taken meaningful steps to address strategic planning deficiencies. It has not, however, established long-term performance measures.
3. While the program does collect performance information and is working to address management deficiencies, it lacks clearly defined long-term performance objectives and does not measure program efficiency or effectiveness.
4. The program results section also shows some weaknesses. Here again the PART highlighted the lack of long-term outcome goals.

In response to these findings, DoD will develop common metrics to assess program performance across the department.

**Program Funding Level (in millions of dollars)**

<u>2002 Actual</u>	<u>2003 Estimate</u>	<u>2004 Estimate</u>
4,426	5,397	5,674

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APPROPRIATION SUMMARY

APPROPRIATION

DOLLARS IN THOUSANDS

	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>PAGE</u>
Other Procurement, Army	4,212,713	5,715,980	4,216,854	4,621,639	3
<b>TOTAL PROCUREMENT PROGRAM</b>	<b>4,212,713</b>	<b>5,715,980</b>	<b>4,216,854</b>	<b>4,621,639</b>	

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APPROPRIATION Other Procurement, Army ACTIVITY		DOLLARS IN THOUSANDS				PAGE
		FY 2002	FY 2003	FY 2004	FY 2005	
01	Tactical and support vehicles	997,049	1,519,198	787,980	925,878	4
02	Communications and Electronics Equipment	2,171,132	2,599,954	2,300,899	2,449,378	6
03	Other support equipment	1,007,433	1,543,832	1,082,011	1,198,794	13
04	Spare and repair parts	37,099	52,996	45,964	47,589	19
<b>APPROPRIATION TOTALS</b>		<b>4,212,713</b>	<b>5,715,980</b>	<b>4,216,854</b>	<b>4,621,639</b>	

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APPROPRIATION Other Procurement, Army

ACTIVITY 02 Communications and Electronics Equipment

DOLLARS IN THOUSANDS

LINE NO	ITEM NOMENCLATURE	ID	FY 2002		FY 2003		FY 2004		FY 2005	
			QTY	COST	QTY	COST	QTY	COST	QTY	COST
<i>COMM - JOINT COMMUNICATIONS</i>										
21	COMBAT IDENTIFICATION PROGRAM (BA0510)			5,556		973				
22	WIN - TACTICAL Program (B79100)	A						3,231		1,467
23	JCSE EQUIPMENT (USREDCOM) (BB5777)			5,555		5,956		4,570		4,584
	<i>SUB-ACTIVITY TOTAL</i>			<u>11,111</u>		<u>6,929</u>		<u>7,801</u>		<u>6,051</u>
<i>COMM - SATELLITE COMMUNICATIONS</i>										
24	DEFENSE SATELLITE COMMUNICATIONS SYSTEM (SPACE) (BB8500)			104,784		87,376		98,272		94,475
25	SHF TERM (BA9350)			9,540		24,193		17,492		17,553
26	SAT TERM, EMUT (SPACE) (K77200)			16,794		8,408		5,154		3,371
27	NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE) (K47800)	B	4,514	19,661	2,505	26,767	14,195	44,290	13,757	39,616
28	SMART-T (SPACE) (BC4002)			21,395		11,935		48,585		57,412
29	SCAMP (SPACE) (BC4003)			3,537		1,516		600		
30	SCAMP BLOCK II (BC4110)									12,775
31	GLOBAL BRDCST SVC - GBS (BC4120)			8,396		11,094		8,859		9,848
32	MOD OF IN-SVC EQUIP (TAC SAT) (BB8417)			11,390		10,704		10,668		9,303
	<i>SUB-ACTIVITY TOTAL</i>			<u>195,497</u>		<u>181,993</u>		<u>233,920</u>		<u>244,353</u>
<i>COMM - C3 SYSTEM</i>										
33	ARMY GLOBAL CMD & CONTROL SYS (AGCCS) (BA8250)	A		8,437		20,576		16,499		16,239
	<i>SUB-ACTIVITY TOTAL</i>			<u>8,437</u>		<u>20,576</u>		<u>16,499</u>		<u>16,239</u>

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DOLLARS IN THOUSANDS

LINE NO	ITEM NOMENCLATURE	ID	FY 2002		FY 2003		FY 2004		FY 2005	
			QTY	COST	QTY	COST	QTY	COST	QTY	COST
<i>COMM - COMBAT COMMUNICATIONS</i>										
34	ARMY DATA DISTRIBUTION SYSTEM (DATA RADIO) (BU1400)	B		63,158		72,811		52,384		178,163
35	Radio Terminal Set, MIDS LVT(2) (B22603)	A						2,937		2,934
36	SINGGARS FAMILY (BW0006)	A		25,560		62,406		39,275		43,968
37	Multi-Purpose Informations Operations Sysems (BC3000)			1,853		4,001	1	6,087	3	7,662
38	JOINT TACTICAL AREA COMMAND SYSTEMS (BA1010)	A		964		2,306		850		849
39	ACUS MOD PROGRAM (BB1600)	A		158,411		100,122		108,391		105,484
40	COMMS-ELEC EQUIP FIELDING (BA5210)			7,162		21,282		15,903		15,956
41	SOLDIER ENHANCEMENT PROGRAM COMME/ELECTRONICS (BA5300)			4,850		11,397		8,025		8,048
42	COMBAT SURVIVOR EVADER LOCATOR (CSEL) (B03200)	B		12,632		11,557		15,393		18,957
43	MEDICAL COMM FOR CBT CASUALTY CARE (MC4) (MA8046)			2,859		4,840		6,602		4,697
	<i>SUB-ACTIVITY TOTAL</i>			<u>277,449</u>		<u>290,722</u>		<u>255,847</u>		<u>386,718</u>
<i>COMM - INTELLIGENCE COMM</i>										
44	JWICS CONNECTIVITY (BD3400)	A		2,000						
45	CI AUTOMATION ARCHITECTURE (BK5284)	A		1,624		1,707		1,241		1,288
	<i>SUB-ACTIVITY TOTAL</i>			<u>3,624</u>		<u>1,707</u>		<u>1,241</u>		<u>1,288</u>
<i>COMM - INFORMATION SECURITY</i>										
46	TSEC - ARMY KEY MGT SYS (AKMS) (BA1201)			12,118		9,875		2,702		2,855
47	INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)	A		67,551		64,948		124,419		118,793

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LINE NO	ITEM NOMENCLATURE	ID	FY 2002		FY 2003		FY 2004		FY 2005	
			QTY	COST	QTY	COST	QTY	COST	QTY	COST
	<i>SUB-ACTIVITY TOTAL</i>			79,669		74,823		127,121		121,648
	<i>COMM - LONG HAUL COMMUNICATIONS</i>									
48	TERRESTRIAL TRANSMISSION (BU1900)			2,024		1,986		10,332		13,669
49	BASE SUPPORT COMMUNICATIONS (BU4160)			13,259		45,164		46,835		40,870
50	ARMY DISN ROUTER (BU0300)			5,912		5,875		6,016		6,179
51	ELECTROMAG COMP PROG (EMCP) (BD3100)			459		449		457		472
52	VW TECH CON IMP PROG (VWTCIP) (BU3610)			2,977		2,910		2,975		3,051
	<i>SUB-ACTIVITY TOTAL</i>			24,631		56,384		66,615		64,241
	<i>COMM - BASE COMMUNICATIONS</i>									
53	INFORMATION SYSTEMS (BB8650)			155,202		278,354		328,188		316,686
54	DEFENSE MESSAGE SYSTEM (DMS) (BU3770)			21,285		26,103		12,435		12,388
55	LOCAL AREA NETWORK (LAN) (BU4165)			96,496		123,803		96,475		125,460
56	PENTAGON INFORMATION MGT AND TELECOM (BQ0100)			40,571		14,109		14,424		14,782
	<i>SUB-ACTIVITY TOTAL</i>			313,554		442,369		451,522		469,316
	<i>ELECT EQUIP - NAT FOR INT PROG (NFIP)</i>									
57	FOREIGN COUNTERINTELLIGENCE PROG (FCI) (BK5282)			871		1,595		1,624		1,624
58	GENERAL DEFENSE INTELL PROG (GDIP) (BD3900)			33,149		19,901		24,632		20,625
	<i>SUB-ACTIVITY TOTAL</i>			34,020		21,496		26,256		22,249
	<i>ELECT EQUIP - TACT INT REL ACT (TIARA)</i>									

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			QTY	COST	QTY	COST	QTY	COST	QTY	COST	
59	ALL SOURCE ANALYSIS SYS (ASAS) (TIARA) (KA4400)	B		51,411		59,240		36,980		36,269	
60	JTT/CIBS-M (TIARA) (V29600)	B	59	17,685		4,693					
61	PROPHET GROUND (TIARA) (BZ7326)		31	15,625	39	34,273		3,175		13,316	
62	TUAV (B00301)	A	5	56,352	9	99,036	8	73,764	6	57,704	
63	Army Common Ground Station (CGS) (TIARA) (BA1080)	B		21,156		8,387		8,261			
64	DIGITAL TOPOGRAPHIC SPT SYS (DTSS) (TIARA) (KA2550)	B		19,889		13,708		13,003		9,442	
65	DRUG INTERDICTION PROGRAM (DIP) (TIARA) (BU4050)			3,407							
66	TACTICAL EXPLOITATION SYSTEM (TIARA) (BZ7317)			34,134		17,100					
67	DCGS-A UNIT OF EMPLOYMENT (JMIP) (BZ7316)			2,277		11,303		2,687		9,494	
68	JOINT TACTICAL GROUND STATION MODS (JTAGS) (BZ8420)									5,868	
69	TROJAN (TIARA) (BA0326)	B		4,818		4,741		6,535		5,884	
70	MOD OF IN-SVC EQUIP (INTEL SPT) (TIARA) (BZ9750)			1,732		1,610		2,619		2,613	
71	CI HUMINT INFO MANAGEMENT SYSTEM (CHIMS) (TIARA) (BK5275)			2,475		9,472		7,892		2,947	
72	ITEMS LESS THAN \$5.0M (TIARA) (BK5278)			2,788		7,953	4	4,983	3	3,324	
	<i>SUB-ACTIVITY TOTAL</i>			<u>233,749</u>		<u>271,516</u>		<u>159,899</u>		<u>146,861</u>	
	<i>ELECT EQUIP - ELECTRONIC WARFARE (EW)</i>										
73	SHORTSTOP (VA8000)			1,688		2,919					
74	COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES (BL5283)			2,284		3,902		2,296		2,354	
	<i>SUB-ACTIVITY TOTAL</i>			<u>3,972</u>		<u>6,821</u>		<u>2,296</u>		<u>2,354</u>	

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			QTY	COST	QTY	COST	QTY	COST	QTY	COST	
<i>ELECT EQUIP - TACTICAL SURV. (TAC SURV)</i>											
75	FAAD GBS (WK5053)			1,874		31					
76	SENTINEL MODS (WK5057)			30,650		39,423		17,595		13,701	
77	NIGHT VISION DEVICES (KA3500)	A		40,102		54,461		65,629		93,236	
78	LONG RANGE ADVANCED SCOUT SURVEILLANCE SYSTEM (K38300)		80	40,675	105	48,577	110	50,125	112	49,548	
79	LTWT VIDEO RECON SYSTEM (LWVRS) (K30800)	A	13	1,323	391	13,931					
80	NIGHT VISION, THERMAL WPN SIGHT (K22900)	B	2,253	36,281	2,638	50,662	3,104	50,504	4,264	67,472	
81	COMBAT IDENTIFICATION / AIMING LIGHT (BA0515)			9,964		6,811					
82	ARTILLERY ACCURACY EQUIP (AD3200)			6,551		5,256		13,594		11,933	
83	MOD OF IN-SVC EQUIP (MMS) (AD3255)			929		337		644		464	
84	MOD OF IN-SVC EQUIP (MVS) (AD3265)			249		264		274		282	
85	PROFILER (K27900)				3	4,743	10	12,591	10	11,627	
86	MOD OF IN-SVC EQUIP (TAC SURV) (BZ7325)			21,009		32,383		35,169		12,576	
87	FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2) (W61900)	B	2,235	83,844	2,179	91,257	2,674	83,200	2,381	81,274	
88	LIGHTWEIGHT LASER DESIGNATOR/RANGEFINDER (LLDR) (K31100)	B	12	11,210	32	9,693	45	12,302	67	17,431	
89	MORTAR FIRE CONTROL SYSTEM (K99300)		90	9,650		28,988	158	39,517	41	14,742	
90	INTEGRATED MET SYS SENSORS (IMETS) - TIARA (BW0021)			2,458		7,034		9,080		4,831	
<i>SUB-ACTIVITY TOTAL</i>					<u>296,769</u>		<u>393,851</u>		<u>390,224</u>		<u>379,117</u>

*ELECT EQUIP - TACTICAL C2 SYSTEMS*

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LINE NO	ITEM NOMENCLATURE	ID	FY 2002		FY 2003		FY 2004		FY 2005	
			QTY	COST	QTY	COST	QTY	COST	QTY	COST
91	TACTICAL OPERATIONS CENTERS (BZ9865)			43,678		41,187		45,613		78,973
92	ADV FA TAC DATA SYS / EFF CTRL SYS (AFATDS/ECS) (B28600)	B		53,509		75,134		22,324		24,519
93	MOD OF IN-SVC EQUIP, AFATDS (B28620)					2,895		2,059		
94	Light Weight Technical Fire Direction Sys (LWTFDS) (B78400)	A		2,659		12,078		3,223		577
95	CMBT SVC SUPT CONTROL SYS (CSSCS) (W34600)			24,507		24,314		22,197		25,570
96	FAAD C2 (AD5050)	A		8,823		24,109		19,474		12,971
97	AIR & MSL DEFENSE PLANNING & CONTROL SYS (AMD PCS) (AD5070)			10,216		9,487		8,996		2,918
98	FORWARD ENTRY DEVICE / LIGHTWEIGHT FED (FED/LFED) (BZ9851)	B		14,772		14,715		6,023		737
99	Knight Family (B78504)	A	31	13,589	55	29,475		6,732		2,253
100	LIFE CYCLE SOFTWARE SUPPORT (LCSS) (BD3955)			929		899		1,814		1,841
101	LOGTECH (BZ8889)	B		5,885		7,493		8,774		9,172
102	TC AIMS II (BZ8900)			22,585		11,185		17,492		16,139
103	GUN LAYING AND POS SYS (GLPS) (A30000)		131	11,717		156				
104	ISYSCON EQUIPMENT (BX0007)			31,942		30,518		21,528		36,375
105	Joint Network Management System (JNMS) (B95700)					6,682		9,452		7,682
106	Tactical Internet Manager (B93900)					11,522		8,321		11,449
107	MANEUVER CONTROL SYSTEM (MCS) (BA9320)	A		9,589		7,378	201	37,141	454	50,658
108	STAMIS TACTICAL COMPUTERS (STACOMP) (W00800)	A		45,782		59,646		46,233		75,716
109	STANDARD INTEGRATED CMD POST SYSTEM (BZ9962)			32,744		28,736		361		

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LINE NO	ITEM NOMENCLATURE	ID	FY 2002		FY 2003		FY 2004		FY 2005	
			QTY	COST	QTY	COST	QTY	COST	QTY	COST
	<i>SUB-ACTIVITY TOTAL</i>			332,926		397,609		287,757		357,550
	<i>ELECT EQUIP - AUTOMATION</i>									
110	ARMY TRAINING MODERNIZATION (BE4169)			28,979		18,712		6,186		25,866
111	AUTOMATED DATA PROCESSING EQUIP (BD3000)			229,109		330,313		213,055		147,847
112	RESERVE COMPONENT AUTOMATION SYS (RCAS) (BE4167)			87,988		74,697		45,789		48,832
	<i>SUB-ACTIVITY TOTAL</i>			346,076		423,722		265,030		222,545
	<i>ELECT EQUIP - AUDIO VISUAL SYSTEMS (AV)</i>									
113	Special Information Operations (SIO) (TIARA) (BK5279)	A		204						
114	AFRTS (BZ8480)			2,472		2,454		2,519		1,760
115	ITEMS LESS THAN \$5.0M (AV) (BK5289)			5,929		5,601		3,879		4,336
116	ITEMS LESS THAN \$5M (SURVEYING EQUIPMENT) (BL5300)			627		975		2,047		2,315
	<i>SUB-ACTIVITY TOTAL</i>			9,232		9,030		8,445		8,411
	<i>ELECT EQUIP - SUPPORT</i>									
117	PRODUCTION BASE SUPPORT (C-E) (BF5400)			416		406		426		437
	<i>SUB-ACTIVITY TOTAL</i>			416		406		426		437
	<b>ACTIVITY TOTAL</b>			<b>2,171,132</b>		<b>2,599,954</b>		<b>2,300,899</b>		<b>2,449,378</b>

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SSN	LINE	PAGE	NOMENCLATURE
MA7700	130	13	< \$5M, COUNTERMINE EQUIPMENT (MA7700)
BB1600	39	7	ACUS MOD PROGRAM (BB1600)
B28600	92	11	ADV FA TAC DATA SYS / EFF CTRL SYS (AFATDS/ECS) (B28600)
BZ8480	114	12	AFRTS (BZ8480)
AD5070	97	11	AIR & MSL DEFENSE PLANNING & CONTROL SYS (AMD PCS) (AD5070)
MA7804	139	14	AIR DROP PROGRAM (MA7804)
KA4400	59	9	ALL SOURCE ANALYSIS SYS (ASAS) (TIARA) (KA4400)
M41800	173	17	ALL TERRAIN LIFTING ARMY SYSTEM (M41800)
M02700	163	16	ARMORED COMBAT EARTHMOVER, M9 ACE (M02700)
D02800	9	4	ARMORED SECURITY VEHICLES (ASV) (D02800)
BA1080	63	9	Army Common Ground Station (CGS) (TIARA) (BA1080)
BU1400	34	7	ARMY DATA DISTRIBUTION SYSTEM (DATA RADIO) (BU1400)
N11400	183	17	ARMY DIAGNOSTICS IMPROVEMENT PGM (ADIP) (N11400)
BU0300	50	8	ARMY DISN ROUTER (BU0300)
BA8250	33	6	ARMY GLOBAL CMD & CONTROL SYS (AGCCS) (BA8250)
BE4169	110	12	ARMY TRAINING MODERNIZATION (BE4169)
AD3200	82	10	ARTILLERY ACCURACY EQUIP (AD3200)
M22300	137	14	Authorized Stockage List Mobility System (ASLMS) (M22300)
BD3000	111	12	AUTOMATED DATA PROCESSING EQUIP (BD3000)
NA0173	179	17	AVIATION COMBINED ARMS TACTICAL TRAINER (AVCATT) (NA0173)
MB7000	186	18	BASE LEVEL COML EQUIPMENT (MB7000)
BU4160	49	8	BASE SUPPORT COMMUNICATIONS (BU4160)
N10000	180	17	CALIBRATION SETS EQUIPMENT (N10000)
MA7900	140	14	CAMOUFLAGE: ULCANS (MA7900)
R97500	169	16	CAUSEWAY SYSTEMS (R97500)
BK5284	45	7	CI AUTOMATION ARCHITECTURE (BK5284)
BK5275	71	9	CI HUMINT INFO MANAGEMENT SYSTEM (CHIMS) (TIARA) (BK5275)
NA0170	178	17	CLOSE COMBAT TACTICAL TRAINER (NA0170)
MA9999	191	18	CLOSED ACCOUNT ADJUSTMENTS (MA9999)
W34600	95	11	CMBT SVC SUPT CONTROL SYS (CSSCS) (W34600)
BA0515	81	10	COMBAT IDENTIFICATION / AIMING LIGHT (BA0515)
BA0510	21	6	COMBAT IDENTIFICATION PROGRAM (BA0510)
MN1000	147	15	COMBAT SUPPORT MEDICAL (MN1000)
B03200	42	7	COMBAT SURVIVOR EVADER LOCATOR (CSEL) (B03200)
MA6601	176	17	Combat Training Centers (CTC) Support (MA6601)
BA5210	40	7	COMMS-ELEC EQUIP FIELDING (BA5210)
X02300	155	15	Compactor (X02300)
M05500	165	16	CONST EQUIP ESP (M05500)
BL5283	74	9	COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES (BL5283)
M06700	160	16	CRANES (M06700)
M07000	161	16	CRUSHING/SCREENING PLANT, 150 TPH (M07000)
BZ7316	67	9	DCGS-A UNIT OF EMPLOYMENT (JMIP) (BZ7316)

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BU3770	54	8	DEFENSE MESSAGE SYSTEM (DMS) (BU3770)
BB8500	24	6	DEFENSE SATELLITE COMMUNICATIONS SYSTEM (SPACE) (BB8500)
M10600	158	16	DEPLOYABLE UNIVERSAL COMBAT EARTH MOVERS (M10600)
KA2550	64	9	DIGITAL TOPOGRAPHIC SPT SYS (DTSS) (TIARA) (KA2550)
G39100	121	13	DISPENSER, MINE M139 (G39100)
M03100	153	15	DISTR, WATER, SP MIN 2500G SEC/NON-SEC (M03100)
MA6000	144	14	DISTRIBUTION SYSTEMS, PETROLEUM & WATER (MA6000)
BU4050	65	9	DRUG INTERDICTION PROGRAM (DIP) (TIARA) (BU4050)
BD3100	51	8	ELECTROMAG COMP PROG (EMCP) (BD3100)
MA9200	129	13	EXPLOSIVE ORDNANCE DISPOSAL EQPMT (EOD EQPMT) (MA9200)
AD5050	96	11	FAAD C2 (AD5050)
WK5053	75	10	FAAD GBS (WK5053)
DA0500	8	4	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV) (DA0500)
D15500	6	4	FAMILY OF MEDIUM TACTICAL VEH (FMTV) (D15500)
M65800	138	14	FIELD FEEDING EQUIPMENT (M65800)
D15800	7	4	FIRETRUCKS & ASSOCIATED FIREFIGHTING EQUIPMENT (D15800)
M32400	167	16	FLOATING CRANE, 100-250 TON (M32400)
M72100	133	14	FLOODLIGHT SET, ELEC, TRL MTD, 3 LIGHTS (M72100)
W61900	87	10	FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2) (W61900)
BK5282	57	8	FOREIGN COUNTERINTELLIGENCE PROG (FCI) (BK5282)
BZ9851	98	11	FORWARD ENTRY DEVICE / LIGHTWEIGHT FED (FED/LFED) (BZ9851)
BD3900	58	8	GENERAL DEFENSE INTELL PROG (GDIP) (BD3900)
MA9800	171	16	GENERATORS AND ASSOCIATED EQUIP (MA9800)
BC4120	31	6	GLOBAL BRDCST SVC - GBS (BC4120)
R03800	151	15	GRADER, ROAD MTZD, HVY, 6X4 (CCE) (R03800)
R68400	126	13	GRND STANDOFF MINE DETECTION SYSTEM (GSTAMIDS) (R68400)
A30000	103	11	GUN LAYING AND POS SYS (GLPS) (A30000)
R68200	124	13	HANDHELD STANDOFF MINEFIELD DETECTION SYS-HSTAMIDS (R68200)
MF9000	131	14	Heaters and ECU's (MF9000)
D22100	18	5	HEAVY ARMORED SEDAN (D22100)
D15400	4	4	HI MOB MULTI-PURP WHLD VEH (HMMWV) (D15400)
R05900	164	16	High Mobility Engineer Excavator (HMEE) (R05900)
DV0021	13	4	HVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV PROG (DV0021)
X01500	157	15	HYDRAULIC EXCAVATOR (X01500)
TA0600	47	7	INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)
BB8650	53	8	INFORMATION SYSTEMS (BB8650)
BS9100	192	19	INITIAL SPARES - C&E (BS9100)
MS3500	193	19	INITIAL SPARES - OTHER SUPPORT EQUIP (MS3500)
MA5120	145	14	INLAND PETROLEUM DISTRIBUTION SYSTEM (MA5120)
MB4000	181	17	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE) (MB4000)
BW0021	90	10	INTEGRATED MET SYS SENSORS (IMETS) - TIARA (BW0021)
BX0007	104	11	ISYSCON EQUIPMENT (BX0007)

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BK5289	115	12	ITEMS LESS THAN \$5.0M (AV) (BK5289)
ML5350	166	16	ITEMS LESS THAN \$5.0M (CONST EQUIP) (ML5350)
MA8050	142	14	ITEMS LESS THAN \$5.0M (CSS EQ) (MA8050)
ML5325	141	14	ITEMS LESS THAN \$5.0M (ENG SPT EQ) (ML5325)
ML5355	170	16	ITEMS LESS THAN \$5.0M (FLOAT/RAIL) (ML5355)
ML5345	150	15	ITEMS LESS THAN \$5.0M (MAINT EQ) (ML5345)
ML5365	175	17	ITEMS LESS THAN \$5.0M (MHE) (ML5365)
DL5110	16	4	ITEMS LESS THAN \$5.0M (TAC VEH) (DL5110)
BK5278	72	9	ITEMS LESS THAN \$5.0M (TIARA) (BK5278)
BL5300	116	12	ITEMS LESS THAN \$5M (SURVEYING EQUIPMENT) (BL5300)
BB5777	23	6	JCSE EQUIPMENT (USREDCOM) (BB5777)
B95700	105	11	Joint Network Management System (JNMS) (B95700)
BA1010	38	7	JOINT TACTICAL AREA COMMAND SYSTEMS (BA1010)
BZ8420	68	9	JOINT TACTICAL GROUND STATION MODS (JTAGS) (BZ8420)
V29600	60	9	JTT/CIBS-M (TIARA) (V29600)
BD3400	44	7	JWICS CONNECTIVITY (BD3400)
R80500	125	13	KIT, STANDARD TELEOPERATING (R80500)
B78504	99	11	Knight Family (B78504)
M80500	136	14	LAND WARRIOR (M80500)
M82700	132	14	LAUNDRIES, SHOWERS AND LATRINES (M82700)
BD3955	100	11	LIFE CYCLE SOFTWARE SUPPORT (LCSS) (BD3955)
B78400	94	11	Light Weight Technical Fire Direction Sys (LWTFDS) (B78400)
K31100	88	10	LIGHTWEIGHT LASER DESIGNATOR/RANGEFINDER (LLDR) (K31100)
MA8061	135	14	LIGHTWEIGHT MAINTENANCE ENCLOSURE (LME) (MA8061)
DV0011	14	4	LINE HAUL ESP (DV0011)
R04500	156	15	LOADERS (R04500)
BU4165	55	8	LOCAL AREA NETWORK (LAN) (BU4165)
M11200	168	16	LOGISTIC SUPPORT VESSEL (LSV) (M11200)
BZ8889	101	11	LOGTECH (BZ8889)
K38300	78	10	LONG RANGE ADVANCED SCOUT SURVEILLANCE SYSTEM (K38300)
K30800	79	10	LTWT VIDEO RECON SYSTEM (LWVRS) (K30800)
MA8975	190	18	MA8975 (MA8975)
BA9320	107	11	MANEUVER CONTROL SYSTEM (MCS) (BA9320)
MA8046	43	7	MEDICAL COMM FOR CBT CASUALTY CARE (MC4) (MA8046)
M41900	174	17	MHE Extended Service Program (ESP) (M41900)
R02000	154	15	MISSION MODULES - ENGINEERING (R02000)
BZ9750	70	9	MOD OF IN-SVC EQUIP (INTEL SPT) (TIARA) (BZ9750)
AD3255	83	10	MOD OF IN-SVC EQUIP (MMS) (AD3255)
AD3265	84	10	MOD OF IN-SVC EQUIP (MVS) (AD3265)
BB8417	32	6	MOD OF IN-SVC EQUIP (TAC SAT) (BB8417)
BZ7325	86	10	MOD OF IN-SVC EQUIP (TAC SURV) (BZ7325)
B28620	93	11	MOD OF IN-SVC EQUIP, AFATDS (B28620)

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DA0924	15	4	MODIFICATION OF IN SVC EQUIP (DA0924)
MA4500	187	18	MODIFICATION OF IN-SVC EQUIPMENT (OPA-3) (MA4500)
K99300	89	10	MORTAR FIRE CONTROL SYSTEM (K99300)
BC3000	37	7	Multi-Purpose Informations Operations Sysems (BC3000)
K47800	27	6	NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE) (K47800)
KA3500	77	10	NIGHT VISION DEVICES (KA3500)
K22900	80	10	NIGHT VISION, THERMAL WPN SIGHT (K22900)
D30000	20	5	NonTactical Vehicles, Other (D30000)
D23000	19	5	PASSENGER CARRYING VEHICLES (D23000)
BQ0100	56	8	PENTAGON INFORMATION MGT AND TELECOM (BQ0100)
MA0780	185	18	PHYSICAL SECURITY SYSTEMS (OPA3) (MA0780)
M08100	162	16	PLANT, ASPHALT MIXING (M08100)
BF5400	117	12	PRODUCTION BASE SUPPORT (C-E) (BF5400)
MA0450	188	18	PRODUCTION BASE SUPPORT (OTH) (MA0450)
K27900	85	10	PROFILER (K27900)
BZ7326	61	9	PROPHET GROUND (TIARA) (BZ7326)
MB6400	143	14	QUALITY SURVEILLANCE EQUIPMENT (MB6400)
B22603	35	7	Radio Terminal Set, MIDS LVT(2) (B22603)
KA6000	184	18	RECONFIGURABLE SIMULATORS (KA6000)
BE4167	112	12	RESERVE COMPONENT AUTOMATION SYS (RCAS) (BE4167)
M80400	128	13	Robotic Combat Support System (RCSS) (M80400)
M41200	172	17	Rough Terrain Container Handler (RTCH) (M41200)
K77200	26	6	SAT TERM, EMUT (SPACE) (K77200)
BC4003	29	6	SCAMP (SPACE) (BC4003)
BC4110	30	6	SCAMP BLOCK II (BC4110)
RA0100	152	15	SCRAPERS, EARTHMOVING (RA0100)
D01001	2	4	Semitrailers, Flatbed: (D01001)
D02001	3	4	Semitrailers, tankers (D02001)
WK5057	76	10	SENTINEL MODS (WK5057)
BA9350	25	6	SHF TERM (BA9350)
M61500	148	15	SHOP EQ CONTACT MAINTENANCE TRK MTD (MYP) (M61500)
VA8000	73	9	SHORTSTOP (VA8000)
BW0006	36	7	SINCGARS FAMILY (BW0006)
BC4002	28	6	SMART-T (SPACE) (BC4002)
MX0600	118	13	SMOKE & OBSCURANT FAMILY: SOF (NON AAO ITEM) (MX0600)
MA6800	134	14	SOLDIER ENHANCEMENT (MA6800)
BA5300	41	7	SOLDIER ENHANCEMENT PROGRAM COMMELECTRONICS (BA5300)
MA6700	189	18	SPECIAL EQUIPMENT FOR USER TESTING (MA6700)
BK5279	113	12	Special Information Operations (SIO) (TIARA) (BK5279)
W00800	108	11	STAMIS TACTICAL COMPUTERS (STACOMP) (W00800)
BZ9962	109	11	STANDARD INTEGRATED CMD POST SYSTEM (BZ9962)
MA8890	120	13	TACTICAL BRIDGE, FLOAT-RIBBON (MA8890)

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MX0100	119	13	TACTICAL BRIDGING (MX0100)
BZ7317	66	9	TACTICAL EXPLOITATION SYSTEM (TIARA) (BZ7317)
B93900	106	11	Tactical Internet Manager (B93900)
BZ9865	91	11	TACTICAL OPERATIONS CENTERS (BZ9865)
DA0100	1	4	TACTICAL TRAILERS/DOLLY SETS (DA0100)
BZ8900	102	11	TC AIMS II (BZ8900)
BU1900	48	8	TERRESTRIAL TRANSMISSION (BU1900)
N11000	182	17	TEST EQUIPMENT MODERNIZATION (TEMOD) (N11000)
G39104	122	13	Towed Volcano Delivery System (G39104)
D15901	11	4	Towing Device, 5th Wheel (D15901)
D09900	17	4	TOWING DEVICE-FIFTH WHEEL (D09900)
M05800	159	16	TRACTOR, FULL TRACKED (M05800)
NA0100	177	17	TRAINING DEVICES, NONSYSTEM (NA0100)
BA0326	69	9	TROJAN (TIARA) (BA0326)
D16001	5	4	TRUCK, DUMP, 20T (CCE) (D16001)
DA0600	10	4	TRUCK, TRACTOR, LINE HAUL, M915/M916 (DA0600)
D16000	12	4	TRUCK, TRACTOR, YARD TYPE, M878 (C/S) (D16000)
BA1201	46	7	TSEC - ARMY KEY MGT SYS (AKMS) (BA1201)
B00301	62	9	TUAV (B00301)
G39103	123	13	Volcano Light (G39103)
R05600	146	15	WATER PURIFICATION SYSTEMS (R05600)
M62700	149	15	WELDING SHOP, TRAILER MTD (M62700)
G01000	127	13	WIDE AREA MUNITIONS (REMOTE CONTROL UNIT) (G01000)
B79100	22	6	WIN - TACTICAL Program (B79100)
BU3610	52	8	WW TECH CON IMP PROG (WWTCIP) (BU3610)

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SSN	LINE	PAGE	NOMENCLATURE
A30000	103	11	GUN LAYING AND POS SYS (GLPS) (A30000)
AD3200	82	10	ARTILLERY ACCURACY EQUIP (AD3200)
AD3255	83	10	MOD OF IN-SVC EQUIP (MMS) (AD3255)
AD3265	84	10	MOD OF IN-SVC EQUIP (MVS) (AD3265)
AD5050	96	11	FAAD C2 (AD5050)
AD5070	97	11	AIR & MSL DEFENSE PLANNING & CONTROL SYS (AMD PCS) (AD5070)
B00301	62	9	TUAV (B00301)
B03200	42	7	COMBAT SURVIVOR EVADER LOCATOR (CSEL) (B03200)
B22603	35	7	Radio Terminal Set, MIDS LVT(2) (B22603)
B28600	92	11	ADV FA TAC DATA SYS / EFF CTRL SYS (AFATDS/ECS) (B28600)
B28620	93	11	MOD OF IN-SVC EQUIP, AFATDS (B28620)
B78400	94	11	Light Weight Techical Fire Direction Sys (LWTFDS) (B78400)
B78504	99	11	Knight Family (B78504)
B79100	22	6	WIN - TACTICAL Program (B79100)
B93900	106	11	Tactical Internet Manager (B93900)
B95700	105	11	Joint Network Management System (JNMS) (B95700)
BA0326	69	9	TROJAN (TIARA) (BA0326)
BA0510	21	6	COMBAT IDENTIFICATION PROGRAM (BA0510)
BA0515	81	10	COMBAT IDENTIFICATION / AIMING LIGHT (BA0515)
BA1010	38	7	JOINT TACTICAL AREA COMMAND SYSTEMS (BA1010)
BA1080	63	9	Army Common Ground Station (CGS) (TIARA) (BA1080)
BA1201	46	7	TSEC - ARMY KEY MGT SYS (AKMS) (BA1201)
BA5210	40	7	COMMS-ELEC EQUIP FIELDING (BA5210)
BA5300	41	7	SOLDIER ENHANCEMENT PROGRAM COMMELECTRONICS (BA5300)
BA8250	33	6	ARMY GLOBAL CMD & CONTROL SYS (AGCCS) (BA8250)
BA9320	107	11	MANEUVER CONTROL SYSTEM (MCS) (BA9320)
BA9350	25	6	SHF TERM (BA9350)
BB1600	39	7	ACUS MOD PROGRAM (BB1600)
BB5777	23	6	JCSE EQUIPMENT (USREDCOM) (BB5777)
BB8417	32	6	MOD OF IN-SVC EQUIP (TAC SAT) (BB8417)
BB8500	24	6	DEFENSE SATELLITE COMMUNICATIONS SYSTEM (SPACE) (BB8500)
BB8650	53	8	INFORMATION SYSTEMS (BB8650)
BC3000	37	7	Multi-Purpose Informations Operations Sysems (BC3000)
BC4002	28	6	SMART-T (SPACE) (BC4002)
BC4003	29	6	SCAMP (SPACE) (BC4003)
BC4110	30	6	SCAMP BLOCK II (BC4110)
BC4120	31	6	GLOBAL BRDCST SVC - GBS (BC4120)
BD3000	111	12	AUTOMATED DATA PROCESSING EQUIP (BD3000)
BD3100	51	8	ELECTROMAG COMP PROG (EMCP) (BD3100)
BD3400	44	7	JWICS CONNECTIVITY (BD3400)
BD3900	58	8	GENERAL DEFENSE INTELL PROG (GDIP) (BD3900)
BD3955	100	11	LIFE CYCLE SOFTWARE SUPPORT (LCSS) (BD3955)

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SSN	LINE	PAGE	NOMENCLATURE
BE4167	112	12	RESERVE COMPONENT AUTOMATION SYS (RCAS) (BE4167)
BE4169	110	12	ARMY TRAINING MODERNIZATION (BE4169)
BF5400	117	12	PRODUCTION BASE SUPPORT (C-E) (BF5400)
BK5275	71	9	CI HUMINT INFO MANAGEMENT SYSTEM (CHIMS) (TIARA) (BK5275)
BK5278	72	9	ITEMS LESS THAN \$5.0M (TIARA) (BK5278)
BK5279	113	12	Special Information Operations (SIO) (TIARA) (BK5279)
BK5282	57	8	FOREIGN COUNTERINTELLIGENCE PROG (FCI) (BK5282)
BK5284	45	7	CI AUTOMATION ARCHITECTURE (BK5284)
BK5289	115	12	ITEMS LESS THAN \$5.0M (A/V) (BK5289)
BL5283	74	9	COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES (BL5283)
BL5300	116	12	ITEMS LESS THAN \$5M (SURVEYING EQUIPMENT) (BL5300)
BQ0100	56	8	PENTAGON INFORMATION MGT AND TELECOM (BQ0100)
BS9100	192	19	INITIAL SPARES - C&E (BS9100)
BU0300	50	8	ARMY DISN ROUTER (BU0300)
BU1400	34	7	ARMY DATA DISTRIBUTION SYSTEM (DATA RADIO) (BU1400)
BU1900	48	8	TERRESTRIAL TRANSMISSION (BU1900)
BU3610	52	8	WW TECH CON IMP PROG (WWTCIP) (BU3610)
BU3770	54	8	DEFENSE MESSAGE SYSTEM (DMS) (BU3770)
BU4050	65	9	DRUG INTERDICTION PROGRAM (DIP) (TIARA) (BU4050)
BU4160	49	8	BASE SUPPORT COMMUNICATIONS (BU4160)
BU4165	55	8	LOCAL AREA NETWORK (LAN) (BU4165)
BW0006	36	7	SINCGARS FAMILY (BW0006)
BW0021	90	10	INTEGRATED MET SYS SENSORS (IMETS) - TIARA (BW0021)
BX0007	104	11	ISYSCON EQUIPMENT (BX0007)
BZ7316	67	9	DCGS-A UNIT OF EMPLOYMENT (JMIP) (BZ7316)
BZ7317	66	9	TACTICAL EXPLOITATION SYSTEM (TIARA) (BZ7317)
BZ7325	86	10	MOD OF IN-SVC EQUIP (TAC SURV) (BZ7325)
BZ7326	61	9	PROPHET GROUND (TIARA) (BZ7326)
BZ8420	68	9	JOINT TACTICAL GROUND STATION MODS (JTAGS) (BZ8420)
BZ8480	114	12	AFRTS (BZ8480)
BZ8889	101	11	LOGTECH (BZ8889)
BZ8900	102	11	TC AIMS II (BZ8900)
BZ9750	70	9	MOD OF IN-SVC EQUIP (INTEL SPT) (TIARA) (BZ9750)
BZ9851	98	11	FORWARD ENTRY DEVICE / LIGHTWEIGHT FED (FED/LFED) (BZ9851)
BZ9865	91	11	TACTICAL OPERATIONS CENTERS (BZ9865)
BZ9962	109	11	STANDARD INTEGRATED CMD POST SYSTEM (BZ9962)
D01001	2	4	Semitrailers, Flatbed: (D01001)
D02001	3	4	Semitrailers, tankers (D02001)
D02800	9	4	ARMORED SECURITY VEHICLES (ASV) (D02800)
D09900	17	4	TOWING DEVICE-FIFTH WHEEL (D09900)
D15400	4	4	HI MOB MULTI-PURP WHLD VEH (HMMVV) (D15400)
D15500	6	4	FAMILY OF MEDIUM TACTICAL VEH (FMTV) (D15500)

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SSN	LINE	PAGE	NOMENCLATURE
D15800	7	4	FIRETRUCKS & ASSOCIATED FIREFIGHTING EQUIPMENT (D15800)
D15901	11	4	Towing Device, 5th Wheel (D15901)
D16000	12	4	TRUCK, TRACTOR, YARD TYPE, M878 (C/S) (D16000)
D16001	5	4	TRUCK, DUMP, 20T (CCE) (D16001)
D22100	18	5	HEAVY ARMORED SEDAN (D22100)
D23000	19	5	PASSENGER CARRYING VEHICLES (D23000)
D30000	20	5	NonTactical Vehicles, Other (D30000)
DA0100	1	4	TACTICAL TRAILERS/DOLLY SETS (DA0100)
DA0500	8	4	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV) (DA0500)
DA0600	10	4	TRUCK, TRACTOR, LINE HAUL, M915/M916 (DA0600)
DA0924	15	4	MODIFICATION OF IN SVC EQUIP (DA0924)
DL5110	16	4	ITEMS LESS THAN \$5.0M (TAC VEH) (DL5110)
DV0011	14	4	LINE HAUL ESP (DV0011)
DV0021	13	4	HVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV PROG (DV0021)
G01000	127	13	WIDE AREA MUNITIONS (REMOTE CONTROL UNIT) (G01000)
G39100	121	13	DISPENSER, MINE M139 (G39100)
G39103	123	13	Volcano Light (G39103)
G39104	122	13	Towed Volcano Delivery System (G39104)
K22900	80	10	NIGHT VISION, THERMAL WPN SIGHT (K22900)
K27900	85	10	PROFILER (K27900)
K30800	79	10	LTWT VIDEO RECON SYSTEM (LWVRS) (K30800)
K31100	88	10	LIGHTWEIGHT LASER DESIGNATOR/RANGEFINDER (LLDR) (K31100)
K38300	78	10	LONG RANGE ADVANCED SCOUT SURVEILLANCE SYSTEM (K38300)
K47800	27	6	NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE) (K47800)
K77200	26	6	SAT TERM, EMUT (SPACE) (K77200)
K99300	89	10	MORTAR FIRE CONTROL SYSTEM (K99300)
KA2550	64	9	DIGITAL TOPOGRAPHIC SPT SYS (DTSS) (TIARA) (KA2550)
KA3500	77	10	NIGHT VISION DEVICES (KA3500)
KA4400	59	9	ALL SOURCE ANALYSIS SYS (ASAS) (TIARA) (KA4400)
KA6000	184	18	RECONFIGURABLE SIMULATORS (KA6000)
M02700	163	16	ARMORED COMBAT EARTHMOVER, M9 ACE (M02700)
M03100	153	15	DISTR, WATER, SP MIN 2500G SEC/NON-SEC (M03100)
M05500	165	16	CONST EQUIP ESP (M05500)
M05800	159	16	TRACTOR, FULL TRACKED (M05800)
M06700	160	16	CRANES (M06700)
M07000	161	16	CRUSHING/SCREENING PLANT, 150 TPH (M07000)
M08100	162	16	PLANT, ASPHALT MIXING (M08100)
M10600	158	16	DEPLOYABLE UNIVERSAL COMBAT EARTH MOVERS (M10600)
M11200	168	16	LOGISTIC SUPPORT VESSEL (LSV) (M11200)
M22300	137	14	Authorized Stockage List Mobility System (ASLMS) (M22300)
M32400	167	16	FLOATING CRANE, 100-250 TON (M32400)
M41200	172	17	Rough Terrain Container Handler (RTCH) (M41200)

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V29600	60	9	JTT/CIBS-M (TIARA) (V29600)
VA8000	73	9	SHORTSTOP (VA8000)
W00800	108	11	STAMIS TACTICAL COMPUTERS (STACOMP) (W00800)
W34600	95	11	CMBT SVC SUPT CONTROL SYS (CSSCS) (W34600)
W61900	87	10	FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2) (W61900)
WK5053	75	10	FAAD GBS (WK5053)
WK5057	76	10	SENTINEL MODS (WK5057)
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95	W34600	CMBT SVC SUPT CONTROL SYS (CSSCS)	404
96	AD5050	FAAD C2	407
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99	B78504	Knight Family	417
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101	BZ8889	LOGTECH	425
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AIR & MSL DEFENSE PLANNING & CONTROL SYS (AMD PCS)	AD5070	97	411
ALL SOURCE ANALYSIS SYS (ASAS) (TIARA)	KA4400	59	208
Army Common Ground Station (CGS) (TIARA)	BA1080	63	230
ARMY DATA DISTRIBUTION SYSTEM (DATA RADIO)	BU1400	34	88
ARMY DISN ROUTER	BU0300	50	173
ARMY GLOBAL CMD & CONTROL SYS (AGCCS)	BA8250	33	85
ARMY TRAINING MODERNIZATION	BE4169	110	462
ARTILLERY ACCURACY EQUIP	AD3200	82	331
AUTOMATED DATA PROCESSING EQUIP	BD3000	111	476
BASE SUPPORT COMMUNICATIONS	BU4160	49	167
CI AUTOMATION ARCHITECTURE	BK5284	45	145
CI HUMINT INFO MANAGEMENT SYSTEM (CHIMS) (TIARA)	BK5275	71	260
CMBT SVC SUPT CONTROL SYS (CSSCS)	W34600	95	404
COMBAT IDENTIFICATION / AIMING LIGHT	BA0515	81	326
COMBAT IDENTIFICATION PROGRAM	BA0510	21	1
COMBAT SURVIVOR EVADER LOCATOR (CSEL)	B03200	42	136
COMMS-ELEC EQUIP FIELDING	BA5210	40	126
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## Alphabetic Listing - Other Procurement, Army

<b>Nomenclature</b>	<b>SSN</b>	<b>BLIN</b>	<b>Page</b>
DCGS-A UNIT OF EMPLOYMENT (JMIP)	BZ7316	67	239
DEFENSE MESSAGE SYSTEM (DMS)	BU3770	54	197
DEFENSE SATELLITE COMMUNICATIONS SYSTEM (SPACE)	BB8500	24	9
DIGITAL TOPOGRAPHIC SPT SYS (DTSS) (TIARA)	KA2550	64	232
DRUG INTERDICTION PROGRAM (DIP) (TIARA)	BU4050	65	235
ELECTROMAG COMP PROG (EMCP)	BD3100	51	176
FAAD C2	AD5050	96	407
FAAD GBS	WK5053	75	272
FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2)	W61900	87	367
FOREIGN COUNTERINTELLIGENCE PROG (FCI)	BK5282	57	206
FORWARD ENTRY DEVICE / LIGHTWEIGHT FED (FED/LFED)	BZ9851	98	414
GENERAL DEFENSE INTELL PROG (GDIP)	BD3900	58	207
GLOBAL BRDCST SVC - GBS	BC4120	31	75
GUN LAYING AND POS SYS (GLPS)	A30000	103	433
INFORMATION SYSTEM SECURITY PROGRAM-ISSP	TA0600	47	149
INFORMATION SYSTEMS	BB8650	53	180
INTEGRATED MET SYS SENSORS (IMETS) - TIARA	BW0021	90	388
ISYSCON EQUIPMENT	BX0007	104	438
ITEMS LESS THAN \$5.0M (A/V)	BK5289	115	547
ITEMS LESS THAN \$5.0M (TIARA)	BK5278	72	264
ITEMS LESS THAN \$5M (SURVEYING EQUIPMENT)	BL5300	116	550

## Alphabetic Listing - Other Procurement, Army

<b>Nomenclature</b>	<b>SSN</b>	<b>BLIN</b>	<b>Page</b>
JCSE EQUIPMENT (USREDCOM)	BB5777	23	6
Joint Network Management System (JNMS)	B95700	105	443
JOINT TACTICAL AREA COMMAND SYSTEMS	BA1010	38	120
JOINT TACTICAL GROUND STATION MODS (JTAGS)	BZ8420	68	242
JTT/CIBS-M (TIARA)	V29600	60	213
Knight Family	B78504	99	417
LIFE CYCLE SOFTWARE SUPPORT (LCSS)	BD3955	100	424
Light Weight Technical Fire Direction Sys (LWTFDS)	B78400	94	401
LIGHTWEIGHT LASER DESIGNATOR/RANGEFINDER (LLDR)	K31100	88	375
LOCAL AREA NETWORK (LAN)	BU4165	55	200
LOGTECH	BZ8889	101	425
LONG RANGE ADVANCED SCOUT SURVEILLANCE SYSTEM	K38300	78	309
LTWT VIDEO RECON SYSTEM (LWVRS)	K30800	79	315
MANEUVER CONTROL SYSTEM (MCS)	BA9320	107	449
MEDICAL COMM FOR CBT CASUALTY CARE (MC4)	MA8046	43	142
MOD OF IN-SVC EQUIP (INTEL SPT) (TIARA)	BZ9750	70	255
MOD OF IN-SVC EQUIP (MMS)	AD3255	83	346
MOD OF IN-SVC EQUIP (MVS)	AD3265	84	348
MOD OF IN-SVC EQUIP (TAC SAT)	BB8417	32	81
MOD OF IN-SVC EQUIP (TAC SURV)	BZ7325	86	355
MOD OF IN-SVC EQUIP, AFATDS	B28620	93	397

## Alphabetic Listing - Other Procurement, Army

<b>Nomenclature</b>	<b>SSN</b>	<b>BLIN</b>	<b>Page</b>
MORTAR FIRE CONTROL SYSTEM	K99300	89	381
Multi-Purpose Informations Operations Sysems	BC3000	37	119
NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE)	K47800	27	59
NIGHT VISION DEVICES	KA3500	77	283
NIGHT VISION, THERMAL WPN SIGHT	K22900	80	320
PENTAGON INFORMATION MGT AND TELECOM	BQ0100	56	203
PRODUCTION BASE SUPPORT (C-E)	BF5400	117	551
PROFILER	K27900	85	349
PROPHET GROUND (TIARA)	BZ7326	61	214
Radio Terminal Set, MIDS LVT(2)	B22603	35	106
RESERVE COMPONENT AUTOMATION SYS (RCAS)	BE4167	112	542
SAT TERM, EMUT (SPACE)	K77200	26	55
SCAMP (SPACE)	BC4003	29	71
SCAMP BLOCK II	BC4110	30	72
SENTINEL MODS	WK5057	76	277
SHF TERM	BA9350	25	49
SHORTSTOP	VA8000	73	270
SINGGARS FAMILY	BW0006	36	107
SMART-T (SPACE)	BC4002	28	65
SOLDIER ENHANCEMENT PROGRAM COMM/ELECTRONICS	BA5300	41	129
Special Information Operations (SIO) (TIARA)	BK5279	113	545

## Alphabetic Listing - Other Procurement, Army

<b>Nomenclature</b>	<b>SSN</b>	<b>BLIN</b>	<b>Page</b>
STAMIS TACTICAL COMPUTERS (STACOMP)	W00800	108	452
STANDARD INTEGRATED CMD POST SYSTEM	BZ9962	109	456
TACTICAL EXPLOITATION SYSTEM (TIARA)	BZ7317	66	236
Tactical Internet Manager	B93900	106	446
TACTICAL OPERATIONS CENTERS	BZ9865	91	391
TC AIMS II	BZ8900	102	429
TERRESTRIAL TRANSMISSION	BU1900	48	160
TROJAN (TIARA)	BA0326	69	252
TSEC - ARMY KEY MGT SYS (AKMS)	BA1201	46	146
TUAV	B00301	62	221
WIN - TACTICAL Program	B79100	22	5
WW TECH CON IMP PROG (WWTCIP)	BU3610	52	177



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

<u>System/Modification</u>	<u>2002 &amp; Prior</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>To Complete</u>	<u>Total Program</u>
<b>GMF Enhancement (B08701)</b>										
AN/TSC-85/93 Modernization			9.5	11.8	4.7					26.0
AN/GSC-52 Modernization	142.6	20.9	16.3	15.9	10.5	11.0	1.9	1.9		221.0
AN/TSC-85/93 Modernization	1.5	11.5								13.0
Terminal Modernization	291.3									291.3
<b>Total</b>	<b>435.4</b>	<b>32.4</b>	<b>25.8</b>	<b>27.7</b>	<b>15.2</b>	<b>11.0</b>	<b>1.9</b>	<b>1.9</b>		<b>551.3</b>
<b>MOD OF IN-SVC EQUIP (TAC SAT) (BB8417)</b>										
SECOMP-I	20.3	10.7	10.7	9.3	10.1	10.2				72.6
<b>Total</b>	<b>20.3</b>	<b>10.7</b>	<b>10.7</b>	<b>9.3</b>	<b>10.1</b>	<b>10.2</b>	<b>1.3</b>			<b>72.6</b>
<b>ACUS MOD PROGRAM (BB1600)</b>										
ACUS Area Common User Modernization Plan	1088.5	100.1	108.4	105.6	85.8	51.2	42.4	31.3		1613.2
<b>Total</b>	<b>1088.5</b>	<b>100.1</b>	<b>108.4</b>	<b>105.6</b>	<b>85.8</b>	<b>51.2</b>	<b>42.4</b>	<b>31.3</b>		<b>1613.2</b>
<b>JOINT TACTICAL GROUND STATION MODS (JTAGS) (BZ8420)</b>										
Institutional Trainer				5.9						5.9
MIDS					3.2					3.2
Life Cycle Management / Technology Insertion					4.4	7.0				11.4
Upgrade Institutional Trainer						8.0				8.0
<b>Total</b>				<b>5.9</b>	<b>7.7</b>	<b>15.0</b>				<b>28.5</b>
<b>MOD OF IN-SVC EQUIP (INTEL SPT) (TIARA) (BZ9750)</b>										
Y2K fixes for GR/CS and ARL	7.3									7.3
Classified Program	0.3	0.3	0.5	0.5	0.5	3.7	2.3	2.3		10.3
REMBASS II for SBCT	0.8	0.7	1.4	1.4	0.7	0.7				6.6
AN/PRD-13(V)2	15.2									15.2
AN/PPS-5D (GSR) for SBCT	0.6	0.6	0.7	0.7	0.5	0.5				4.1

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

<u>System/Modification</u>	<u>2002 &amp; Prior</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>To Complete</u>	<u>Total Program</u>
<b>Total</b>	<b>24.3</b>	<b>1.6</b>	<b>2.6</b>	<b>2.6</b>	<b>1.7</b>	<b>4.9</b>	<b>3.6</b>	<b>2.3</b>		<b>43.6</b>
<b>SENTINEL MODS (WK5057)</b>										
Transmitter Improvements	30.7		0.1	13.3	0.4	0.1	18.7	0.2		63.4
ETRAC Modifications		39.4	17.4	0.3	13.2	14.9	0.2	22.8		108.3
<b>Total</b>	<b>30.7</b>	<b>39.4</b>	<b>17.5</b>	<b>13.6</b>	<b>13.6</b>	<b>15.0</b>	<b>18.9</b>	<b>23.0</b>		<b>171.6</b>
<b>MOD OF IN-SVC EQUIP (MMS) (AD3255)</b>										
AN/TMQ-41A	0.9	0.3	0.6	0.5	0.3	0.4				3.1
<b>Total</b>	<b>0.9</b>	<b>0.3</b>	<b>0.6</b>	<b>0.5</b>	<b>0.3</b>	<b>0.4</b>				<b>3.1</b>
<b>MOD OF IN-SVC EQUIP (TAC SURV) (BZ7325)</b>										
AN/TPQ-36(V)8 Electronics Upgrade	148.0	27.1	25.4	5.5	1.1	9.2	9.3	1.7		227.2
AN/TPQ-36(V)8 False Location Rate Reduction (FLRR)	5.1	0.5	2.9							
AN/TPQ-37 Fire Support Digitization	6.0	1.1	1.6	0.1						8.8
Firefinder MAPS Hybrid	2.4	1.4	0.4	0.2						
AN/TPQ-37 Software Consolidation			2.4	4.4						6.8
AN/TPQ-37 SBCT Fieldings		2.3	2.5	2.4	2.4					9.5
New Mod										
<b>Total</b>	<b>161.5</b>	<b>32.4</b>	<b>35.1</b>	<b>12.5</b>	<b>3.5</b>	<b>9.2</b>	<b>9.3</b>	<b>1.7</b>		<b>252.3</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		2.9	2.1		2.1	3.2	2.5	0.2		13.0
<b>Total</b>		<b>2.9</b>	<b>2.1</b>		<b>2.1</b>	<b>3.2</b>	<b>2.5</b>	<b>0.2</b>		<b>13.0</b>
<b>FAADC2I MODIFICATIONS (AD5090)</b>										
CHS Upgrade	7.8									7.8

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

<u>System/Modification</u>	<u>2002 &amp; Prior</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>To Complete</u>	<u>Total Program</u>
<b>Total</b>	7.8									7.8
<b>MOD OF IN-SVC EQUIP, KNIGHT (B78503)</b>										
New Mod										
<b>Total</b>										
<b>Grand Total</b>	1769.3	219.8	202.7	177.7	140.0	120.1	79.8	60.4		2757.0

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty	56	164										220
Gross Cost	12.6	15.4	5.6	1.0								34.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	12.6	15.4	5.6	1.0								34.6
Initial Spares												
Total Proc Cost	12.6	15.4	5.6	1.0								34.6
Flyaway U/C												
Wpn Sys Proc U/C		0.1										

**Description:**

The Army Acquisition Executive (AAE) signed an Acquisition Decision Memorandum in May 2002 directing termination of the BCIS program and cancellation of all associated contracts. At the May 2002 Army Systems Review, the Chief of Staff, Army (CSA) supported the program termination for affordability reasons but stated the requirement for a combat identification system in the current force still exists. The CSA directed Army Staff (G3) and Training and Doctrine Command (TRADOC) to provide him with a recommendation on fielding alternatives of BCIS to the current force at some quantity below the Army Procurement Objective total deemed unaffordable. Project Manager Objective Force Technology tasked PM Target Identification and Meteorological Sensors to co-chair a Future Combat System (FCS) Combat Identification (CID) Working Group to recommend a FCS Block I CID solution and explore solutions for FCS Block II.

The Combat Identification Panel (CIP) program was Congressionally funded in FY03 in the Combat Identification procurement line. The FY03 funding will procure 8,000 cloth CIPs which are thermal reflective markers for use with thermal sights and viewers operating in the 3 to 12 micron wavelength band. Thermal sights found in the M1A1 Abrams Tank, AH-64 Apache Helicopter and the Air Force Low Altitude Navigation and Targeting Infrared for Night (LANTIRN) system operate in this band. The cloth CIP, now more accurately known as the Thermal Identification Panel (TIP), is used primarily for through-sight, air-to-ground combat identification of friendly forces. Normal installation is on the top of the vehicles or draped over a combat load. They are visible from 3 to 7 kilometers, depending on terrain.

Survivability is one of the seven tenets of the Army Transformation strategy and CIPs represented an integral part of that strategy as it works to reduce incidents of fratricide.

**Justification:**

There is no funding request for FY04/05.

<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 2003			
<b>OPA2 Cost Elements</b>		ID	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>1. BCIS Contract Costs</b>														
B-kits														
Cancellation Fee			2421											
Closeout Costs			267											
<b>2. Government Project Management</b>			2868											
<b>3. CIP Contract Costs</b>														
Cloth Combat ID Panels						973	8000	0						
<b>Total</b>			<b>5556</b>			<b>973</b>								

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>B-kits</b> FY 2002	TRW Carson, CA	SS/M3-3	CECOM, Fort Monmouth, NJ	Jun 02	NA					
<b>Cloth Combat ID Panels</b> FY 2003	Crossroads Industrial Services Indianapolis, IN	C/FP	TACOM, Detroit, MI	Jan 03	Apr 03	8000	0	Yes		NA

REMARKS: The TRW contract was awarded as a sole source multi-year contract. In May 2002, the Army Acquisition Executive directed termination of the BCIS program and all associated contracts. The LRIP contract was cancelled and cancellation fees obligated in June 2002.

FY 02 / 03 BUDGET PRODUCTION SCHEDULE							P-1 Item Nomenclature: COMBAT IDENTIFICATION PROGRAM (BA0510)															Date: February 2003																			
							Fiscal Year 02										Fiscal Year 03										L A T E R														
COST ELEMENTS	M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 02										Calendar Year 03																								
							O C T	N O V	D E C	J A N	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										
Cloth Combat ID Panels																																									
	2	FY 03	A	8000	0	8000																					A						3000	3000	2000					0	
B-kits	1	FY 99	A	10	10	0																																			0
	1	FY 00	A	46	6	40	17	20	3																															0	
	1	FY 01	A	51	0	51								1	1	1											20	20	8											0	
B-kits (Abrams/Bradley)																																									
	1	FY 00	A	57	54	3	3																																	0	
	1	FY 01	A	24	0	24								9	9	6																								0	
Total				8188	70	8118	20	20	3				10	10	7												20	20	8	3000	3000	2000									
MFR																																									

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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

P-1 Item Nomenclature  
WIN - TACTICAL Program (B79100)

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

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost					3.2	1.5	155.8	107.7	259.9	292.0		820.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)					3.2	1.5	155.8	107.7	259.9	292.0		820.2
Initial Spares												
Total Proc Cost					3.2	1.5	155.8	107.7	259.9	292.0		820.2
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

WIN-T is the integrated high-speed and high capacity communications network for the Objective Force (OF). It will be focused on moving information in a manner that supports commanders, staffs, functional units, and capabilities-based information-all mobile, agile, lethal, sustainable, and deployable. Future Combat Systems (FCS), Joint Tactical Radio System (JTRS), satellite terminals and other DoD C4I programs are relying on WIN-T for seamless integration into the DoD Global Information Grid (GIG). WIN-T will be optimized for offensive and joint operations, while providing the Theater Combatant Commander the capability to plan, prepare, and execute multiple missions and tasks simultaneously with campaign quality utilizing a mobile throughput feature. It will be a framework, which will set standards and protocols for OF infospheres while interfacing with and/or replacing equipment in legacy and interim forces. The WIN-T program is essential to the OF and outmodes Mobile Subscriber Equipment (MSE) and Tri-Services Tactical Communications (TRI-TAC) capabilities.

The WIN-T program supports the Objective transformation path of the Transformation Campaign Plan (TCP).

**Justification:**

FY 04/05 procures the nuclear test monitoring and verification areas covers science, technology and procurement items to include prototype sensor particulate and noble gas detection equipment and associated field station infrastructure for automated, remote operation. Items such as infrasound sensors, digitizers for infrasound sensors, radionuclide counters and seismometers will be used to install infrasound and radionuclide equipment at approved US locations and will transmit data back to the Center for Monitoring Research for analysis and retransmission. Funds will be spent on completing infrasound and radionuclide stations and replace seismic station equipment. Items to be procured in support of the stations include automated particulate and noble gas samplers, high purity germanium detectors and seismic monitoring devices. In addition, equipment will be procured such as communication devices, cabling, meteorological equipment, infrasound sensors, digitizers for infrasound sensors, radios and towers for data transmission, radionuclide counters, maintenance monitoring computers, seismometers, portable data loggers, vaults to protect equipment.



# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature JCSE EQUIPMENT (USREDCOM) (BB5777)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	71.0	5.5	5.6	6.0	4.6	4.6	4.2	4.6	4.9	4.9		115.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	71.0	5.5	5.6	6.0	4.6	4.6	4.2	4.6	4.9	4.9		115.8
Initial Spares												
Total Proc Cost	71.0	5.5	5.6	6.0	4.6	4.6	4.2	4.6	4.9	4.9		115.8
Flyaway U/C												
Wpn Sys Proc U/C												

**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 approved and validated by the JCS, the Combattant Commanders, Services and other Defense Agencies. This program supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

The FY 04/05 program procures equipment that contains the latest mature technology available to meet the current and future communication requirements of the warfighting Combattant Commanders. Equipment to be procured includes, mobile satellite systems, commercial off the shelf (COTS) switches, and network equipment (including data terminal equipment and upgrades).

<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 2003			
<b>OPA2 Cost Elements</b>		ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
			TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
(JCSE)			5555			5956			4570			4584		
<b>Total</b>			<b>5555</b>			<b>5956</b>			<b>4570</b>			<b>4584</b>		

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
(JCSE) FY 2000 FY 2001 FY 2002 FY 2002	Multiple (1) Multiple (1) Multiple (1) Multiple (1)	C/FFP C/FFP C/FFP C/FFP	Multiple Multiple Multiple Multiple	Multi Multi Multi Multi	Multi Multi Multi Multi					

REMARKS: (1) Multiple contract awards for small acquisition with various contractors, contracting, agencies, award and delivery dates, quantities and unit costs. MIPRS sent to following orgs who then go out on contract: PM WIN-T; PM MILSATCOM; Tobyhanna Army Depot; Hanscom AFB, MA; Space & Naval Warfare Systems Center; and Naval Air Warfare Center-Aircraft Div, etc.

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment  
 P-1 Item Nomenclature: DEFENSE SATELLITE COMMUNICATIONS SYSTEM (SPACE) (BB8500)

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

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	1929.3	74.3	104.8	87.4	98.3	94.5	55.4	51.6	85.2	95.5		2676.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	1929.3	74.3	104.8	87.4	98.3	94.5	55.4	51.6	85.2	95.5		2676.2
Initial Spares												
Total Proc Cost	1929.3	74.3	104.8	87.4	98.3	94.5	55.4	51.6	85.2	95.5		2676.2
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The Defense Satellite Communications System (DSCS) provides super high frequency (SHF) wideband and anti-jam (AJ) satellite communications supporting critical national strategic and tactical command, control, communications and intelligence (C3I) requirements. It must be survivable during trans- and post- nuclear attack to support communications essential to national survival. The DSCS 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 is used in conjunction with the Terrestrial Transmissions of the Defense Information System Network (DISN) and other communications systems to provide end-to-end communications. The DSCS provides long-haul service between the Continental United States (CONUS) and overseas locations.

This program is designated as a DoD Space program.

**Justification:**

FY04/05 procures hardware for the Wideband Antijam Modem System (WAMS). FY04/05 DSCS Modification of in-service (MIS) procures the installation of AN/GSC-52 Modernization Kits (MOD Kits). FY04/05 also procures equipment components for the Mod Kits. FY04/05 DSCS-SHF Wideband Terminal procures the remaining Ka-Band terminals and initiate the fielding of the Ka-Band terminals. FY04/05 DSCS Operations Control System (DOCS) procures hardware for the Integrated Monitoring & Power Control Sub System (IMPCS), Gapfiller Satellite Configuration Control Element (GSCCE), Replacement Radio Frequency Interconnecting System (RFIS) and Objective DSCS Operations Center (ODOC) programs. FY04/05 also procures software and annualized engineering, system integration, post production software support and fielding. FY04/05 Digital Equipment procures the fabrication of racks and components and their integration into DSCS. FY04/05 Interconnect Facility (ICF) will continue to accomplish DISA and JCS directed satellite ground terminal relocations supporting alignment of US forces worldwide. FY04/05 National Command Authority (NCA) procures the upgrade of Direct Communications Link (DCL) between the President of the United States and leaders from Russia/Ukraine/Belarus/Kazakhstan. FY04/05 DSCS SHF Wideband Terminal procures the remaining terminal and installs the terminals procured in FY02 and FY03.

<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 SATELLITE COMMUNICATIONS SYSTEM (SPACE) (BB8500)			Weapon System Type:			Date: February 2003			
<b>OPA2 Cost Elements</b>		ID	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
DSCS-DIGITAL EQUIPMENT(SPACE)			16672			9382			21558			10179		
DSCS-INTERCONNECT FACILITY(SPACE)			10553			10580			12934			11418		
DSCS-JAM RESISTANT SECURE COMM(SPACE)			6479			6100			4537			3790		
DSCS-OPERATIONS CONTROL SYSTEMS(SPACE)			28879			11195			23972			35061		
DSCS-MOD OF IN-SERVICE EQUIP(SPACE)			42201			49539			16284			15851		
DSCS-NATIONAL CMMD AUTHORITY(SPACE)						580			1787			1744		
DSCS-SHF TERMINAL (SPACE)									7700			4597		
DSCS-GMF ENHANCEMENT(BO8701)									9500			11835		
<b>Total</b>			<b>104784</b>			<b>87376</b>			<b>98272</b>			<b>94475</b>		

# Exhibit P-40, Budget Item Justification Sheet

Date:

February 2003

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 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost					9.5	11.8	4.7					26.0
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)					9.5	11.8	4.7					26.0
Initial Spares												
Total Proc Cost					9.5	11.8	4.7					26.0
Flyaway U/C												
Wpn Sys 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 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. This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP). Funding for FY03 and prior were in the DSCS Mod In Service line (SSN BB8416).

**Justification:**

FY04/05 procures equipment components for the AN/TSC-85 and 93 Upgrade Program.

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

Date:

February 2003

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:

Description		Fiscal Years									
OSIP NO.	Classification	2002 & PR	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	TC	Total
ANTSC-85/93 Modernization											
0-00-00-0000		0.0	0.0	9.5	11.8	4.7	0.0	0.0	0.0	0.0	26.0
Totals		0.0	0.0	9.5	11.8	4.7	0.0	0.0	0.0	0.0	26.0

**INDIVIDUAL MODIFICATION**

Date: February 2003

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. This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP). Funding for FY03 and prior were in the DSCS Mod In Service line (SSN BB8416).  
 Justification: FY04/05 procures equipment components for the AN/TSC-85 and 93 Upgrade Program.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Installation Schedule:

Pr Yr	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Totals																				
Inputs					15	15	15	15	15	15	15	15	15	15	15	5				
Outputs					15	15	15	15	15	15	15	15	15	15	15	5				

	FY 2008				FY 2009				FY 2010				FY 2011				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		170
Outputs																		170

METHOD OF IMPLEMENTATION:	MWO	ADMINISTRATIVE LEADTIME:	4 Months	PRODUCTION LEADTIME:	8 Months
Contract Dates:	FY 2004 Feb 04	FY 2005 Feb 05		FY 2006 Feb 06	
Delivery Date:	FY 2004 Oct 04	FY 2005 Oct 05		FY 2006 Oct 06	



**INDIVIDUAL MODIFICATION**

Date: February 2003

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

FINANCIAL PLAN: (\$ in Millions)

	FY 2002 and Prior		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		TC		TOTAL		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
	<b>Hardware</b>																				
High Voltage Power Supply					46	1.2	90	2.4	43	1.0									179	4.6	
AS-3036 Antenna Kit					36	1.0	70	1.9	22	0.7									128	3.6	
Enhanced Tactical SSP					46	1.3	90	2.3	43	1.3									179	4.9	
TYAD Kits					36	0.8	70	1.6	22	0.6									128	3.0	
Replacement FM Orderwire					75	2.1	61	1.7		0.2									136	4.0	
Non-recurring Engineering																					
Documentation						1.3															1.3
Test																					
Training						0.2		0.2		0.2											0.6
Total Pkg Fielding						0.1		0.1													0.2
Govt/Contractor Support						0.9		0.9		0.3											2.1
<b>Installation of Hardware</b>																					
FY 2004	0				60	0.6														60	0.6
FY 2005	0						70	0.7												70	0.7
FY 2006	0								40	0.4										40	0.4
<b>Total Installment</b>	0	0.0		0.0	60	0.6	70	0.7	40	0.4		0.0		0.0		0.0		0.0	170	1.7	
<b>Total Procurement Cost</b>		0.0		0.0		9.5		11.8		4.7		0.0		0.0		0.0		0.0			26.0

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature NCA Special Communications Links Program (B08900)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost				0.6	1.8	1.7	1.1	1.1	1.5	1.5		9.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)				0.6	1.8	1.7	1.1	1.1	1.5	1.5		9.2
Initial Spares												
Total Proc Cost				0.6	1.8	1.7	1.1	1.1	1.5	1.5		9.2
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The National Command Authority (NCA), Special Communications Link program and the required modernization effort exists through a bi-lateral 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 U.S. 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:**

FY04/05 procures the upgrades for the Direct Communications Link (DCL) between the President of the United States and leaders from Russia/Ukraine/Belarus/Kazakhstan.

# Exhibit P-40, Budget Item Justification Sheet

Date:

February 2003

Appropriation/Budget Activity/Serial No:

Other Procurement, Army /2/Communications and Electronics Equipment

P-1 Item Nomenclature

DSCS - JAM RESISTANT SECURE COMM (JRSC) (SPACE) (BA8300)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	388.4	9.2	6.5	6.1	4.5	3.8	2.9	2.9	6.9	17.7		449.0
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	388.4	9.2	6.5	6.1	4.5	3.8	2.9	2.9	6.9	17.7		449.0
Initial Spares												
Total Proc Cost	388.4	9.2	6.5	6.1	4.5	3.8	2.9	2.9	6.9	17.7		449.0
Flyaway U/C												
Wpn Sys Proc U/C												

**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 WAMS will enable strategic and tactical forces under the command of the U.S. to have interoperable voice and digital data satellite communications capability under jamming and nuclear scintillation, while using non-processing transponders of the DSCS III, NATO or SKYNET 4 satellite systems. This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/05 procures WAMS hardware as well as the Post Production support platform.

<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: DSCS - JAM RESISTANT SECURE COMM (JRSC) (SPACE) (BA8300)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>		<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
ID CD		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
WAMS HARDWARE					3431	15	229	3492	23	152	1198	17	70
WAMS Non-Recurring Engineering					1644								
JRSC/SLEP		2153											
IMPCS Planning System		3311											
Government/Contractor Engineering		790			800			820			850		
PPSS											1517		
PM Admin		225			225			225			225		
<b>Total</b>		<b>6479</b>			<b>6100</b>			<b>4537</b>			<b>3790</b>		

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

Date:  
February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: DSCS - JAM RESISTANT SECURE COMM (JRSC) (SPACE) (BA8300)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>WAMS HARDWARE</b>										
FY 2003	TBS	C/FP	CECOM	Mar-03	Feb-06	15	229	Yes		Jan-03
FY 2004	TBS	C/FP	CECOM	Mar-04	Feb-06	23	152			
FY 2005	TBS	C/FP	CECOM	Dec-05	Jun-06	17	70			

REMARKS: Basic contract will be awarded in Mar 03 with funds from terminated Univeral Modem System contract.









# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature DSCS - MOD OF IN-SVC EQUIP (SPACE) (BB8416)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	384.3	26.7	42.2	49.5	16.3	15.9	10.5	11.0	1.9	1.9		560.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	384.3	26.7	42.2	49.5	16.3	15.9	10.5	11.0	1.9	1.9		560.3
Initial Spares												
Total Proc Cost	384.3	26.7	42.2	49.5	16.3	15.9	10.5	11.0	1.9	1.9		560.3
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

These modifications will modernize the aging AN/GSC-52 Medium Terminal (MT) so that all Defense Satellite Communications System (DSCS) Super High Frequency (SHF) strategic earth terminals use common electronics and logistics support. The result will extend the life of the terminals, increase readiness, reduce training and logistics support, conserve energy and improve maintainability. This modernization effort will eliminate system obsolescence, modernize existing equipment and provide component commonality with other existing strategic terminals. Additionally, the procurement of the ground segment in support of Wideband Gapfiller Satellite System (WGS) commences. The AN/TSC-85 & 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. This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP). Funding for the AN/TSC-85 & 93 modifications are now reflected in the GMF Enhancements justification material (SSN B08701).

**Justification:**

FY04/05 procures the continuation of the installation of the AN/GSC-52 Modernization Kits.

# Exhibit P-40M, Budget Item Justification Sheet

Date:

February 2003

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

P-1 Item Nomenclature  
DSCS - MOD OF IN-SVC EQUIP (SPACE) (BB8416)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

Description		Fiscal Years									
OSIP NO.	Classification	2002 & PR	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	TC	Total
Ka-Band Satellite Earth Terminals (SET)											
0-00-00-0000		17.8	17.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.9
AN/GSC-52 Modernization											
1-89-07-0030		142.6	20.9	16.3	15.9	10.5	11.0	1.9	1.9	0.0	221.0
AN/TSC-85/93 Modernization											
0-00-00-0000		1.5	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0
Terminal Modernization											
1-89-07-0005		291.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	291.3
Totals		453.2	49.5	16.3	15.9	10.5	11.0	1.9	1.9	0.0	560.2

**INDIVIDUAL MODIFICATION**

Date: February 2003

MODIFICATION TITLE: Ka-Band Satellite Earth Terminals (SET) [MOD 1] 0-00-00-0000

MODELS OF SYSTEM AFFECTED:

DESCRIPTION/JUSTIFICATION:

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.  
 FY04/05, See BB8511, DSCS-SHF Wideband Terminal P-Forms.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Installation Schedule:

Pr Yr	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Totals																				
Inputs	0			2	0	1	1	1												
Outputs	0				2	0	1	1	1											

	FY 2008				FY 2009				FY 2010				FY 2011				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		5
Outputs																		5

METHOD OF IMPLEMENTATION:	N/A	ADMINISTRATIVE LEADTIME:	6 Months	PRODUCTION LEADTIME:	14 Months
Contract Dates:	FY 2004		FY 2005		FY 2006
Delivery Date:	FY 2004		FY 2005		FY 2006

**INDIVIDUAL MODIFICATION**

Date: February 2003

MODIFICATION TITLE (Cont): Ka-Band Satellite Earth Terminals (SET) [MOD 1] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	FY 2002 and Prior		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		TC		TOTAL		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
	<b>Procurement</b>	<b>0</b>																			
Non-Recurring Engineering	0	1.6																			1.6
Hardware	2	10.9	3	13.2																	5 24.1
Documentation	0	2.1																			2.1
Test	0	1.9																			1.9
Training	0			0.1																	0.1
Total Pkg Fld	0			0.2																	0.2
Interim Contractor Support	0			0.3																	0.3
Govt/Contr Support	0	1.3		1.7																	3.0
Installation of Hardware	0																				
FY 2002	0		2	1.6																	2 1.6
--	0																				
--	0																				
--	0																				
--	0																				
--	0																				
<b>Total Installment</b>	<b>0</b>	<b>0.0</b>	<b>2</b>	<b>1.6</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>	<b>2</b>	<b>1.6</b>	
<b>Total Procurement Cost</b>		<b>17.8</b>		<b>17.1</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>			<b>34.9</b>

**INDIVIDUAL MODIFICATION**

Date: February 2003

MODIFICATION TITLE: AN/GSC-52 Modernization [MOD 2] 1-89-07-0030

MODELS OF SYSTEM AFFECTED: AN/GSC-52

DESCRIPTION/JUSTIFICATION:

The modernization effort of the AN/GSC-52 System will eliminate obsolescence, modernize the existing equipment and provide commonality with other existing terminals. The acquisition strategy consists of a two contract approach. In FY97, components which are common to the AN/GSC-39 and AN/FSC-78/79 terminals were purchased from an existing contractual vehicle as a cost effective means to insure component commonality for these Defense Satellite Communication Systems (DSCS) terminals. FY04/05 funds are required to continue the installation of the AN/GSC-52 Mod Kits.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Installation Schedule:

Pr Yr	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Totals																					
Inputs	10	2	3	1	3	1	1	0	2	1	1	2	2	1	1	0	2	2	2	2	2
Outputs	9	1	2	3	1	3	1	1	0	2	1	1	2	2	1	1	0	2	2	2	2

	FY 2008				FY 2009				FY 2010				FY 2011				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 2004		FY 2005		FY 2006
Delivery Date:	FY 2004		FY 2005		FY 2006

**INDIVIDUAL MODIFICATION**

Date: February 2003

MODIFICATION TITLE (Cont): AN/GSC-52 Modernization [MOD 2] 1-89-07-0030

FINANCIAL PLAN: (\$ in Millions)

	FY 2002 and Prior		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	Up/Down Converters		31.4																	
Restoral Terminals	4	5.2																	4	5.2
Installation Kits (Recur)																				
- Fixed	25	22.9	8	7.7															33	30.6
- Vanized	6	7.0																	6	7.0
Non-Recurring Engineering		5.9																		5.9
Engineering Change Orders		1.3			2.6		3.4													7.3
Antenna Modernization		4.1																		4.1
Data/Documentation		4.1																		4.1
Testing/TMDE		3.6																		3.6
Training		0.8		0.3																1.1
Total Package Fld (TPF)		4.8		1.6		1.9		1.7		1.1		1.3								12.4
Interim Contractor Support (ICS)		2.9		2.6		3.3		3.2		3.2		3.2								18.4
Project Mgmt Admin		2.5		0.7		0.7		0.7		0.7		0.7		0.7		0.7				7.4
Government Support		17.0		1.0		1.1		1.1		1.2		1.2		1.2		1.2				25.0
Software Development/PPSS		9.1		0.5		1.8														11.4
CMA Retrofit Kits	36	5.4			10	1.5													46	6.9
Retrofit Hardware		8.8		2.4		2.5		3.8		2.1		1.3								20.9
<b>Installation of Hardware</b>	<b>0</b>																			
FY98	3	2.4																	3	2.4
FY99	7	3.4	2	0.9															9	4.3
FY00			6	2.7															6	2.7
FY01			1	0.5	4	0.9	1	0.5											6	1.9
FY02							5	1.5	2	1.1									7	2.6
FY03									2	1.1	6	3.3							8	4.4
<b>Total Installment</b>	<b>10</b>	<b>5.8</b>	<b>9</b>	<b>4.1</b>	<b>4</b>	<b>0.9</b>	<b>6</b>	<b>2.0</b>	<b>4</b>	<b>2.2</b>	<b>6</b>	<b>3.3</b>		<b>0.0</b>		<b>0.0</b>			<b>39</b>	<b>18.3</b>
<b>Total Procurement Cost</b>		<b>142.6</b>		<b>20.9</b>		<b>16.3</b>		<b>15.9</b>		<b>10.5</b>		<b>11.0</b>		<b>1.9</b>		<b>1.9</b>		<b>0.0</b>		<b>221.0</b>

**INDIVIDUAL MODIFICATION**

Date: February 2003

MODIFICATION TITLE: AN/TSC-85/93 Modernization [MOD 3] 0-00-00-0000

MODELS OF SYSTEM AFFECTED:

DESCRIPTION/JUSTIFICATION:

The AN/TSC-85&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 and 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 provide the means for the GMF ground segment to pass data rates and user communications networks. These Upgraded TACSAT Terminals will support the increased communications requirements of the Combatant Commanders. Funding for the AN/TSC-85 & 93 modifications are now reflected in the GMF Enhancements justification material (SSN B08701).

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Installation Schedule:

Pr Yr	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs	0					15	15	15	15	15	15	15	15	15	15	15	3				
Outputs	0					15	15	15	15	15	15	15	15	15	15	15	3				

	FY 2008				FY 2009				FY 2010				FY 2011				To Complete	Totals			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4					
Inputs																					168
Outputs																					168

METHOD OF IMPLEMENTATION:	MWO	ADMINISTRATIVE LEADTIME:	4 Months	PRODUCTION LEADTIME:	8 Months
Contract Dates:	FY 2004 Feb 04	FY 2005 Feb 05		FY 2006 Feb 06	
Delivery Date:	FY 2004 Oct 04	FY 2005 Oct 05		FY 2006 Oct 06	

**INDIVIDUAL MODIFICATION**

Date: February 2003

MODIFICATION TITLE (Cont): AN/TSC-85/93 Modernization [MOD 3] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	FY 2002 and Prior		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		TC		TOTAL		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
	<b>Hardware</b>																				
C Model Upgrades		1.5																			1.5
High Voltage Power Supply			63	1.6																63	1.6
AS-3036 Antenna Kit			44	1.3																44	1.3
Enhanced Tactical SSP			63	1.9																63	1.9
TYAD Kits			46	1.1																46	1.1
Replacement FM Orderwire			43	3.2																43	3.2
Non-recurring Engineering				1.2																	1.2
Documentation				0.1																	0.1
Test				0.2																	0.2
Training				0.1																	0.1
Total Pkg Fielding				0.1																	0.1
Govt/Contractor Support				0.7																	0.7
<b>Installation of Hardware</b>	<b>0</b>																				
FY2003	0																				
FY2004	0																				
FY 2005	0																				
FY 2006	0																				
<b>Total Installment</b>	<b>0</b>	<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>	<b>0.0</b>
<b>Total Procurement Cost</b>		<b>1.5</b>		<b>11.5</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>	<b>13.0</b>



# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment  
 P-1 Item Nomenclature: DSCS - DIGITAL EQUIPMENT (SPACE) (BB8501)

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

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	489.3	10.6	16.7	9.4	21.6	10.2	6.1	6.1	29.8	29.7		629.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	489.3	10.6	16.7	9.4	21.6	10.2	6.1	6.1	29.8	29.7		629.5
Initial Spares												
Total Proc Cost	489.3	10.6	16.7	9.4	21.6	10.2	6.1	6.1	29.8	29.7		629.5
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The Defense Satellite Communications System (DSCS) is a subset of the entire Defense Communications System (DCS). The Army DSCS provides the procurement of the ground segment portion of all strategic satellite communications systems. This equipment accepts voice frequency and digital data from other terrestrial ground systems, i.e., telephone, telephone switching centers, Defense Data Network (DDN), Defense Switched Network (DSN), Secure Voice Communications and microwave and converts the aggregate user signals into a digital signal which is then transmitted to its recipients utilizing DSCS satellites that are in geostationary earth orbits for worldwide coverage. This long haul strategic military communications system equipment maximizes the use of multiplexing, modulation, and coding techniques in order to maximize satellite utilization. This equipment is integrated into the Digital Communications Satellite Subsystem (DCSS) which is a system of electronic equipment and racks integrated into vanized or fixed configurations. DCSS equipment will be required to support the Transformational Communications Program - SATCOM (TCP - SATCOM). The baseband racks support the Joint Chief of Staff (JCS) validated Combatant Commanders/Service long haul communication requirements and Enduring Freedom initiatives. The DCSS provides the maximum efficiency in long-range communications by integrating all digital communications network control and anti-jam secure communications in one system. The DCSS provides for the fabrication of racks and equipment to field the Strategic/Tactical Gateways, the primary means of interoperable communications providing tactical warfighters global connectivity with each other and with strategic commanders, Combatant Commanders, and the Pentagon. This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/05 procures baseband racks and their integration into the DSCS. FY04 continues the upgrade of the DCSS power distribution system which has been in the field since the 1970s. This upgrade will eliminate existing personnel safety hazards. FY04 continues to fund Multiplexer Integration and DCSS Automation System (MIDAS) which provides backward compatibility with the existing tactical infrastructure while providing technology insertion. FY04 continues to procure the baseband equipment necessary to support the Wideband Gapfiller Satellite Program, which provides wideband communications to the warfighter during all levels of conflict. FY04/05 continues the procurement of the Enhanced Bandwidth Efficient Modem (EBEM) which provides greater utilization of limited satellite resources.

<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: DSCS - DIGITAL EQUIPMENT (SPACE) (BB8501)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>Hardware</b>													
DCSS Equipment Racks and Fabrication	A	3381	49	69	2709	43	63	5226	78	67	4473	71	63
DCSS Safety-Equip Racks & Fabrication	A				480	12	40	3720	93	40			
Gapfiller Baseband Equipment	A	2700	3	900	1800	2	900	900	1	900			
Promina	A	6300	37	170									
EBEM	A							4700	188	25	1800	72	25
EBEM Non-Recurring Engineering					1000								
Program Management Admin		1100			1000			1100			1000		
System Integration/Fielding		2191			1393			1412			1406		
Documentation/Configuration Management		500			500			500			500		
ECPs		500			500			4000			1000		
<b>Total</b>		<b>16672</b>			<b>9382</b>			<b>21558</b>			<b>10179</b>		

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

Date:  
February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: DSCS - DIGITAL EQUIPMENT (SPACE) (BB8501)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>DCSS Equipment Racks and Fabrication</b>										
FY 2002	TYAD Tobyhanna, PA	WR	CECOM	Mar-02	Apr-02	49	69	Yes		
FY 2003	TYAD Tobyhanna, PA	WR	CECOM	Nov-02	Dec-02	43	63	Yes		
FY 2004	TYAD Tobyhanna, PA	WR	CECOM	Nov-03	Dec-03	78	67	Yes		
FY 2005	TYAD Tobyhanna, PA	WR	CECOM	Nov-04	Dec-04	71	63	Yes		
<b>DCSS Safety-Equip Racks &amp; Fabrication</b>										
FY 2003	TYAD Tobyhanna, PA	WR	CECOM	Nov-02	Mar-03	12	40	Yes		
FY 2004	TYAD Tobyhanna, PA	WR	CECOM	Nov-03	Mar-04	93	40	Yes		
<b>Gapfiller Baseband Equipment</b>										
FY 2002	Various	C/FFP	CECOM	Jul-02	Apr-03	3	900	Yes		
FY 2003	Various	C/FFP	CECOM	Apr-03	Jan-04	2	900	Yes		
FY 2004	Various	C/FFP	CECOM	Apr-04	Jan-05	1	900	Yes		
<b>Promina</b>										
FY 2002	N.E.T. Federal, Inc. Scott AFB, IL	C/FFP	Scott Air Force Base, IL	Sep-02	Oct-02	37	170	Yes		
<b>EBEM</b>										

REMARKS: WR = WORK REQUEST  
 TYAD = TOBYHANNA ARMY DEPOT  
 EBEM = ENHANCED BANDWIDTH EFFICIENT MODEM  
 MIDAS = MULTIPLEXER INTEGRATION & DCSS AUTOMATION SYSTEM  
 MIDAS sites are each configured differently.  
 ECO = ENGINEERING CHANGE ORDER

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

Date:  
February 2003

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

Weapon System Type:

P-1 Line Item Nomenclature:  
DSCS - DIGITAL EQUIPMENT (SPACE) (BB8501)

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2004	To Be Selected	C/FFP	CECOM	Mar-04	Jul-04	188	25	Yes		
FY 2005	To Be Selected	C/FFP	CECOM	Mar-05	Jul-05	72	25	Yes		

REMARKS: WR = WORK REQUEST  
 TYAD = TOBYHANNA ARMY DEPOT  
 EBEM = ENHANCED BANDWIDTH EFFICIENT MODEM  
 MIDAS = MULTIPLEXER INTEGRATION & DCSS AUTOMATION SYSTEM  
 MIDAS sites are each configured differently.  
 ECO = ENGINEERING CHANGE ORDER







# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature DSCS - INTERCONNECT FACILITY (SPACE) (BB8504)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	141.3	10.3	10.6	10.6	12.9	11.4	11.6	12.7	7.8	7.8		236.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	141.3	10.3	10.6	10.6	12.9	11.4	11.6	12.7	7.8	7.8		236.9
Initial Spares												
Total Proc Cost	141.3	10.3	10.6	10.6	12.9	11.4	11.6	12.7	7.8	7.8		236.9
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

This program executes the Army's responsibility to install and relocate strategic Defense Satellite Communications System (DSCS) satellite communications earth terminals procured by Product Manager, DSCS Terminals and digital communications equipment procured and packaged by Assistant Project Manager, Digital Communications Satellite Subsystem. For the Army, this program also designs, procures and installs the interconnection facility to interface this equipment with existing Technical Control and Special User Facilities. This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/05 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. Changes in overseas manning, troop dispositions, and reach-back requirements necessitate a flexibility in the deployment of the strategic ground resources. In addition, sustaining the Defense Satellite Communications System (DSCS) systems requires marginal or obsolete systems to be replaced by newer equipment.



<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: DSCS - INTERCONNECT FACILITY (SPACE) (BB8504)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Engineer, Install, and Test		2243			2286			5184			4718		
Deactivation/relocation		1543			1595			1450			1000		
Interconnect Facility Upgrades		200			200			1200			1000		
Non-recurring Engineering		2602			2618			2400			2100		
Bill of Materials/Supplies								500			400		
Project Management Administration		683			605			600			600		
Government Support		1000			1000			1600			1600		
Bill of Materiel System		539			649								
Terminal Installations		1543			1427								
DCSS Installations		200			200								
<b>Total</b>		<b>10553</b>			<b>10580</b>			<b>12934</b>			<b>11418</b>		

# Exhibit P-40, Budget Item Justification Sheet

Date:

February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment					P-1 Item Nomenclature DSCS - OPERATIONS CONTROL SYS (DOCS) (SPACE) (BB8509)							
Program Elements for Code B Items:				Code:	Other Related Program Elements:							
	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	525.9	17.6	28.9	11.2	24.0	35.1	17.5	17.3	17.3	17.3		711.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	525.9	17.6	28.9	11.2	24.0	35.1	17.5	17.3	17.3	17.3		711.9
Initial Spares												
Total Proc Cost	525.9	17.6	28.9	11.2	24.0	35.1	17.5	17.3	17.3	17.3		711.9
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The Defense Satellite Communications System (DSCS) Operations Control System (DOCS) provides for the management of DSCS & Wideband Gapfiller earth terminal and satellite resources which are required for rapid and efficient reaction to operational needs in support of the warfighter. DOCS is made up of a number of semi-automated subsystems which configure, monitor, maintain, and restore all communications links, and automatically control operations over these links. The Objective DSCS Operations Center (ODOC) will modernize the existing DOCS subsystems to provide improved satellite communications to Ground Mobile Forces and Strategic users. It will replace the existing (largely manual) control system, provide greatly enhanced responsive system control and increase overall system availability with associated reductions in operations and maintenance costs. DOCS supports control of the satellite payload, satellite communications network planning, satellite communications link performance monitoring, and control of ground satellite terminals. DOCS assures reliable satellite communications networks to support unique user mission requirements vital to national security under stressed and unstressed conditions. This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/05 procures hardware quantities for the Integrated Monitoring Power Control Subsystem (IMPCS), Gapfiller Satellite Configuration Control Element (GSCCE), Replacement Radio Frequency Interconnecting System (RRFIS), and Objective DSCS Operations Center (ODOC) programs. FY04/05 also procures software, engineering, system integration, post production software support, and fielding support of current and prior year procurements.

<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: DSCS - OPERATIONS CONTROL SYS (DOCS) (SPACE) (BB8509)			Weapon System Type:			Date: February 2003			
<b>OPA2 Cost Elements</b>		ID	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>Hardware:</b>														
IMPCS			4228	31	136				2020	4	505	1500	3	500
GSCCE			8630	4	2158							2300	1	2300
ODOC												6608	23	287
RRFIS												1535	7	219
CNPS Hardware			400	15	27									
SOFTWARE			1821			1087			6961			7091		
ECPs			6653			2671			4676			1836		
Government Engineering			2372			2666			2670			2680		
Contractor Engineering			1275			1551			1610			1655		
System Integration			1912			2089			2868			2650		
Documentation									600			2194		
Fielding			444			60			1347			3722		
PM Admin			1144			1071			1220			1290		
<b>Total</b>			<b>28879</b>			<b>11195</b>			<b>23972</b>			<b>35061</b>		

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

Date:  
February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: DSCS - OPERATIONS CONTROL SYS (DOCS) (SPACE) (BB8509)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>IMPCS</b>										
FY 2002	ITT Industries Colorado Springs, CO	C/FP (Opt)	CECOM	JUL 02	APR 04	31	136	Yes		0
FY 2004	ITT Industries Colorado Springs, CO	C/FP (Opt)	CECOM	JUN 04	MAY 05	4	505	Yes		0
FY 2005	ITT Industries Colorado Springs, CO	C/FP (Opt)	CECOM	OCT 04	SEP 05	3	500	Yes		0
<b>GSCCE</b>										
FY 2002	Boeing Satellite Systems Los Angeles, CA	C/FP (Opt)	AIR FORCE	APR 02	JUL 03	4	2158	Yes		0
FY 2005	Boeing Satellite Systems Los Angeles, CA	C/FP (Opt)	AIR FORCE	JAN 05	APR 06	1	2300	Yes		0
<b>ODOC</b>										
FY 2005	TBS	C/FP	CECOM	MAR 05	SEP 06	23	287	Yes		0
<b>RRFIS</b>										
FY 2005	TBS	C/FP	CECOM	MAR 05	SEP 06	7	219	No		0
<b>CNPS Hardware</b>										
FY 2002	ITT Industries Colorado Springs, CO	C/FP	ARMY SPACE COMMAND	MAR 02	JAN 03	15	27	Yes		0

REMARKS:

FY 02 / 03 BUDGET PRODUCTION SCHEDULE							P-1 Item Nomenclature: DSCS - OPERATIONS CONTROL SYS (DOCS) (SPACE) (BB8509)											Date: February 2003								
COST ELEMENTS	MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Fiscal Year 02											Fiscal Year 03							LATER	
							Calendar Year 02											Calendar Year 03								
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR		APR
IMPCS																										
	1	FY 02	A	31	0	31																				
	1	FY 04	A	4	0	4																				
	1	FY 05	A	3	0	3																				
GSCCE																										
	2	FY 02	A	4	0	4																				
	2	FY 05	A	1	0	1																				
ODOC																										
	4	FY 05	A	23	0	23																				
RRFIS																										
	5	FY 05	A	7	0	7																				
CNPS Hardware																										
	3	FY 02	A	15	0	15																				
Total				88		88																				
MFR	NAME/LOCATION		PRODUCTION RATES			REACHED	MFR Number	ADMINLEAD TIME		MFR	TOTAL	REMARKS														
			MIN.	1-8-5	MAX.	D+		Prior 1 Oct	After 1 Oct	After 1 Oct	After 1 Oct															
1	ITT Industries, Colorado Springs, CO		1.00	4.00	8.00	0	1	INITIAL		4	8	45	53													
								REORDER		0	5	11	16													
2	Boeing Satellite Systems, Los Angeles, CA		1.00	1.00	1.00	0	2	INITIAL		0	5	15	20													
								REORDER		0	5	15	20													
3	ITT Industries, Colorado Springs, CO		1.00	5.00	8.00	0	3	INITIAL		3	5	10	15													
								REORDER		0	3	5	8													
4	TBS		1.00	3.00	5.00	0	4	INITIAL		0	5	18	23													
								REORDER		0	5	12	17													
5	TBS		1.00	1.00	2.00	0	5	INITIAL		4	5	18	23													
								REORDER		0	5	18	23													



<b>FY 06 / 07 BUDGET PRODUCTION SCHEDULE</b>	P-1 Item Nomenclature: DSCS - OPERATIONS CONTROL SYS (DOCS) (SPACE) (BB8509)	Date: February 2003
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COST ELEMENTS	MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Fiscal Year 06												Fiscal Year 07												LATER
							Calendar Year 06												Calendar Year 07												
							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	A	S	
IMPCS																															
	1	FY 02	A	31	31	0																			0						
	1	FY 04	A	4	4	0																			0						
	1	FY 05	A	3	1	2	1	1																	0						
GSCCE																															
	2	FY 02	A	4	4	0																			0						
	2	FY 05	A	1	0	1					1														0						
ODOC																															
	4	FY 05	A	23	0	23										2	3	3	3	3	3	3	3	3	0						
RRFIS																															
	5	FY 05	A	7	0	7									1	1	1	1	1	1	1	1	1	1	0						
CNPS Hardware																															
	3	FY 02	A	15	15	0																			0						
<b>Total</b>				<b>88</b>	<b>55</b>	<b>33</b>	<b>1</b>	<b>1</b>					<b>1</b>			<b>3</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>3</b>							
							<b>O</b>	<b>N</b>	<b>D</b>	<b>J</b>	<b>F</b>	<b>M</b>	<b>A</b>	<b>M</b>	<b>J</b>	<b>J</b>	<b>A</b>	<b>S</b>	<b>O</b>	<b>N</b>	<b>D</b>	<b>J</b>	<b>F</b>	<b>M</b>							
							<b>C</b>	<b>O</b>	<b>E</b>	<b>A</b>	<b>E</b>	<b>A</b>	<b>P</b>	<b>A</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>E</b>	<b>C</b>	<b>O</b>	<b>E</b>	<b>A</b>	<b>E</b>	<b>A</b>							
							<b>T</b>	<b>V</b>	<b>C</b>	<b>N</b>	<b>B</b>	<b>R</b>	<b>R</b>	<b>Y</b>	<b>N</b>	<b>L</b>	<b>G</b>	<b>P</b>	<b>T</b>	<b>V</b>	<b>C</b>	<b>N</b>	<b>B</b>	<b>R</b>							

MFR	NAME/LOCATION	PRODUCTION RATES			REACHED D+	MFR Number	ADMINLEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN.	1-8-5	MAX.			Prior 1 Oct	After 1 Oct				
1	ITT Industries, Colorado Springs, CO	1.00	4.00	8.00	0	1	INITIAL	4	8	45	53	MFR#1 = IMPCS MFR#2 = GSCCE MFR#3 = CNPS HW MFR#4 = ODOC MFR#5 = RRFIS
						2	REORDER	0	5	11	16	
2	Boeing Satellite Systems, Los Angeles, CA	1.00	1.00	1.00	0	2	INITIAL	0	5	15	20	
						3	REORDER	0	5	15	20	
3	ITT Industries, Colorado Springs, CO	1.00	5.00	8.00	0	3	INITIAL	3	5	10	15	
						4	REORDER	0	3	5	8	
4	TBS	1.00	3.00	5.00	0	4	INITIAL	0	5	18	23	
						5	REORDER	0	5	12	17	
5	TBS	1.00	1.00	2.00	0	5	INITIAL	4	5	18	23	
						6	REORDER	0	5	18	23	

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature DSCS - SHF Wideband Terminal (BB8511)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost					7.7	4.6	1.0	0.5	20.0	19.6		53.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)					7.7	4.6	1.0	0.5	20.0	19.6		53.4
Initial Spares												
Total Proc Cost					7.7	4.6	1.0	0.5	20.0	19.6		53.4
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

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 supports the Legacy transition path of the Transformation Campaign Plan (TCP).

NOTE: FY02/03 costs are shown in the BB8416 Mod-of-In Service Equipment P-Forms.

**Justification:**

FY04/05 procures the remaining Ka-Band terminal and initiates the fielding of the terminals.



<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: DSCS - SHF Wideband Terminal (BB8511)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Hardware							3700	1	3700				
Training							300				100		
Total Package Fielding							400						
Interim Contractor Support							600				2797		
Government/Contractor Support							1200				1100		
Installation of Hardware							1500				600		
*Note- FY02-03 Costs are shown in the BB8416 Mod-of-In Service Equip Forms													
<b>Total</b>							<b>7700</b>				<b>4597</b>		

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

Date:  
February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: DSCS - SHF Wideband Terminal (BB8511)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Hardware</b> FY 2004	ITT Industries Colorado Springs, CO	C/FFP	CECOM	Mar-04	Sep-05	1	3700	Yes		

REMARKS:

<b>FY 04 / 05 BUDGET PRODUCTION SCHEDULE</b>	P-1 Item Nomenclature: DSCS - SHF Wideband Terminal (BB8511)	Date: February 2003
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<b>COST ELEMENTS</b>	MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Fiscal Year 04										Fiscal Year 05										<b>L A T E R</b>
							Calendar Year 04										Calendar Year 05										
							O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	
C	O	E	A	E	A	P	A	U	U	U	E	C	O	V	E	A	E	A	P	A	U	U	A	S			
T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	Y	N	L	G	P	E				
Ka-Band Terminals																											
	1	FY 04	A		0	1																					
Total						1																				1	

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	P	A	U	U	A	S
T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	Y	N	L	G	P	E	

MFR	NAME/LOCATION	PRODUCTION RATES			REACHED D+	MFR Number	ADMINLEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN.	1-8-5	MAX.			Prior 1 Oct	After 1 Oct			
1	ITT Industries, Colorado Springs, CO	1.00	1.00	2.00	0	1	INITIAL	0	0	0	0
							REORDER	3	3	18	21
							INITIAL				
							REORDER				
							INITIAL				
							REORDER				
							INITIAL				
							REORDER				
							INITIAL				
							REORDER				

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature SHF TERM (BA9350)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	68.9	17.7	9.5	24.2	17.5	17.6	4.9	2.9				163.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	68.9	17.7	9.5	24.2	17.5	17.6	4.9	2.9				163.3
Initial Spares												
Total Proc Cost	68.9	17.7	9.5	24.2	17.5	17.6	4.9	2.9				163.3
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

PM WIN-T is currently embarking on a procurement to satisfy critical operational requirements for tactical SHF capability as articulated in validated Operational Needs Statements (ONS). The requirements will be satisfied via the SHF terminal, multi-band SHF terminal, providing C, X, and Ku-Band satellite communications capability, and operating over commercial and military SHF satellites. The SHF terminal will satisfy tactical, highly mobile, command and control, intelligence, fire support, air defense and logistics wideband communications requirements in support of Army and multi-service users. The SHF terminal will be integrated on the Expanded Capability Vehicle (ECV) and will be upgradable to Ka-Band capability. This program is designated as a DoD Space Program. This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/05 procures 11 tactical SHF terminals and fields prior year procurements. HQDA has validated the operational need and directed procurement of an SHF terminal to meet near term reachback requirements. The SHF terminal will provide critical wideband communications capability which will significantly enhance the warfighter's intra- and inter-theater communications.

<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 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Hardware (Terminals):	A				11197	7	1600	8142	5	1628	9954	6	1659
NRE					4111								
GFE					1855			2078			1591		
Data					1134								
Contractor Support					1934			2341			2084		
Government Engineering		90			891			1079			961		
Government Program Management					1892			2289			2038		
Logistics/Fielding					979			1563			925		
ETSSP					200	16							
FTSAT Requirement		9450	14										
.													
Note: FY01 funding was utilized to fund FY02 Internal costs.													
<b>Total</b>		<b>9540</b>			<b>24193</b>			<b>17492</b>			<b>17553</b>		

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Hardware (Terminals):</b>										
FY 2003	TBS	C/FP	CECOM	Mar 03	Dec 03	7	1600	Yes		Oct 02
FY 2004	TBS	C/OPT	CECOM	Jan 04	Oct 04	5	1628			
FY 2005	TBS	C/OPT	CECOM	Jan 05	Oct 05	6	1659			

REMARKS:









# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature SAT TERM, EMUT (SPACE) (K77200)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	87.2	16.9	16.8	8.4	5.2	3.4	0.5					138.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	87.2	16.9	16.8	8.4	5.2	3.4	0.5					138.4
Initial Spares												
Total Proc Cost	87.2	16.9	16.8	8.4	5.2	3.4	0.5					138.4
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The Enhanced Manpack UHF Terminal (i.e., EMUT and also known as SPITFIRE) program replaces the existing inventory of single channel Satellite Communication (SATCOM) radios to add 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. 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 program is designated as a DoD Space Program. This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/05 funding will field SPITFIRE prior year procurements to the Stryker Brigade Combat Teams (SBCTs). In addition, the funds will be used to field upgraded modules and acquire SOTM capability for the Army's transformation requirements.

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: SAT TERM, EMUT (SPACE) (K77200)			Weapon System Type:			Date: February 2003			
<b>OPA2 Cost Elements</b>		ID	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Spitfire AN/PSC-5s														
Other Hardware (PSC-5 Upgrades)			10488			5458			2772			1877		
Engineering Support						71								
Contractor Engineering			276			120								
Government Engineering			355			287			405			303		
Project Management Administration			410			210			332			270		
ECPS			3000			780								
Test			340			160			146					
Fielding			1925			1322			1499			921		
<b>Total</b>			<b>16794</b>			<b>8408</b>			<b>5154</b>			<b>3371</b>		

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

Date:  
February 2003

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

Weapon System Type:

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

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Spitfire AN/PSC-5s FY 2001	Raytheon Sys Co. Largo, FL	SS/OPTION	CECOM	Jan-01	Jul-01	366	25	YES		

REMARKS:

<b>FY 02 / 03 BUDGET PRODUCTION SCHEDULE</b>						P-1 Item Nomenclature: SAT TERM, EMUT (SPACE) (K77200)														Date: February 2003																	
COST ELEMENTS	MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Fiscal Year 02												Fiscal Year 03												L A T E R						
							Calendar Year 02												Calendar Year 03																		
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP							
Spitfire AN/PSC-5s																																					
	1	FY 01	A	366	116	250	50	25	25	25	25	25	25	25	25	25																					0
Total				366	116	250	50	25	25	25	25	25	25	25	25	25																					

MFR	NAME/LOCATION	PRODUCTION RATES			REACHED	MFR Number	ADMIN LEAD TIME		MFR	TOTAL	REMARKS	
		MIN.	1-8-5	MAX.	D+	Prior 1 Oct	After 1 Oct	After 1 Oct	After 1 Oct			
1	Raytheon Sys Co., Largo, FL	50.00	150.00	215.00	0	1	INITIAL REORDER	2 0	9 4	10 6		19 10
							INITIAL REORDER					
							INITIAL REORDER					
							INITIAL REORDER					
							INITIAL REORDER					
							INITIAL REORDER					

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty	39720	11239	4514	2505	14195	13757	14628	12569	6599	6471	Continuing	Continuing
Gross Cost	244.0	21.7	19.7	26.8	44.3	39.6	42.3	37.9	25.0	27.0		
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	244.0	21.7	19.7	26.8	44.3	39.6	42.3	37.9	25.0	27.0	Continuing	Continuing
Initial Spares												
Total Proc Cost	244.0	21.7	19.7	26.8	44.3	39.6	42.3	37.9	25.0	27.0	Continuing	Continuing
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The Navstar Global Positioning System (GPS) is a passive, space-based, radio positioning and navigation system providing precise, three-dimensional position, navigation, velocity and timing information to warfighters. The Navstar GPS program is designated as a DoD Space Program and the United States Air Force (USAF) is the executive service. The USAF develops GPS User Equipment (PE 35164F) at the GPS Joint Program Office (JPO) with Army 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, battlefield distribution and information dominance/superiority functions that will enhance the technologies to support the Objective Force. Current GPS User Equipment support Army aviation (Miniaturized Airborne GPS Receiver, Stand Alone GPS Receiver, and Cargo Utility GPS Receiver) and both ground users and host vehicles (Precision Lightweight GPS Receiver [PLGR]). Future GPS User Equipment will be in both handheld (Defense Advanced GPS Receiver) and platform embedded (GPS Receiver Applications Module) forms. This is a Legacy-to-Objective capability supporting all axes of the Army Transformation Campaign Plan. This program has been designated as a DoD Space Program.

**Justification:**

FY04/05 procures the Defense Advanced GPS Receiver (DAGR), funds the software upgrade to the Cargo Utility GPS Receiver (CUGR) and the Stand Alone GPS Receiver (SAGR), continues to support the PLGR in the field via warranty, provides for engineering and technical support, and Product Management 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 Nonenclature: NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE) (K47800)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>Hardware:</b>													
1. Precision Lightweight GPS Receiver		10051	4514	2	1500	1055	1						
2. Defense Advanced GPS Receiver DAGR - NRE					3250	250	13	31230	14195	2	30266	13757	2
3. GPS Receiver Application Module GRAM - NRE					2850	1200	2						
Software Upgrade		1500			500			1700			825		
PLGR External Protection Module					900			1000					
PLGR Warranty		833			1051			1401					
<b>Engineering Support:</b>													
Engineering Support		3451			3455			3808			3825		
Government In-House		1199			1280			1393			1400		
Integration Engineering		303			290			419			250		
Test and Evaluation (DAGR & GRAM)					3151			200			120		
Total Package Fielding		145			280			420			390		
Technical/Logistics Support		396			400			615			420		
Program Management Administration		1783			1960			2104			2120		
<b>Total</b>		<b>19661</b>			<b>26767</b>			<b>44290</b>			<b>39616</b>		

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

Date:  
February 2003

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

Weapon System Type:

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

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1. Precision Lightweight GPS Receiver</b>										
FY 2002	Rockwell International Cedar Rapids, IA	FFP/Opt	Warner Robins ALC,GA	Jun 02	Jul 02	4514	2.2	Yes		
FY 2003	Rockwell International Cedar Rapids, IA	FFP/Opt	Los Angeles AFB, CA	Jan 03	Jul 03	1055	1.4	Yes		
<b>2. Defense Advanced GPS Receiver</b>										
FY 2003	Rockwell Collins/Raytheon Cedar Rapids, IA/El Segundo, C	FFP/ID/IQ	Los Angeles AFB, CA	Dec 02	May 03	250	13.0	Yes		
FY 2004	Rockwell Collins/Raytheon Cedar Rapids, IA/El Segundo, C	FFP/ID/IQ	Los Angeles AFB, CA	Dec 03	May 04	14195	2.2	Yes		
FY 2005	Rockwell Collins/Raytheon Cedar Rapids, IA/El Segundo, C	FFP/ID/IQ	Los Angeles AFB, CA	Dec 04	May 05	13757	2.2	Yes		
<b>3. GPS Receiver Application Module</b>										
FY 2003	TBS (GRAM)	FFP/ID/IQ	CECOM, Ft. Monmouth	Mar 03	Oct 03	1200	2.4	Yes		

REMARKS:









# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	161.7	31.6	21.4	11.9	48.6	57.4	68.6	48.6	49.3	5.1		504.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	161.7	31.6	21.4	11.9	48.6	57.4	68.6	48.6	49.3	5.1		504.3
Initial Spares	4.3	4.0	0.5	0.0	1.0	1.6	4.6	5.7	10.3	7.1		39.1
Total Proc Cost	166.1	35.5	21.9	11.9	49.6	59.0	73.3	54.3	59.6	12.2		543.4
Flyaway U/C												
Wpn Sys 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 Mobile Subscriber Equipment (MSE) and emerging Warfighter Information Network - Tactical, a critical requirement to support current and future combat operations. 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. The SMART-T improves the battlefield Command, Control, and Communications capability. SMART-T provides connectivity between MSE Node Centers (NC), Large Extension Nodes (LEN), Small Extension Nodes (SEN), and Remote Radio Access Units (RAU), to support Echelons Corps and below as well as Special Contingency Operations. 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 assured 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 support Advanced EHF (AEHF) satellites. The AEHF upgrade to SMART-T provides a four-fold increase in communication capacity over the current SMART-T. The upgraded AEHF SMART-T supports communications on the AEHF Waveform, and retains full backward compatibility with LDR and MDR Waveforms, UHF Follow-On (UFO) and Fleet SATCOM EHF Package (FEP) satellites. This program is designated as a DoD Space Program. This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/05 procures 91 SMART-T terminals and supports fielding, logistics, and training for prior year procurements.

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: SMART-T (SPACE) (BC4002)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>		<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
ID CD		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
SMART-T													
Contract Terminal Cost		15673	17	922	3605	3	1202	33898	39	869	42611	52	819
Engineering Support					2897			3102			3318		
System Project Mgmt/Gov't		3799			3459			4052			4392		
System Test & Evaluation		112			140			783			797		
GFE		513			484			4475			3899		
Fielding		1298			1350			2275			2395		
<b>Total</b>		<b>21395</b>			<b>11935</b>			<b>48585</b>			<b>57412</b>		

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>SMART-T</b>										
FY 2002	Raytheon Largo, FL	SS/FP	CECOM	Jun 02	Nov 03	17	922	Yes		
FY 2003	Raytheon Largo, FL	SS/OPT	CECOM	Dec 02	Mar 04	3	1202			
FY 2004	Raytheon Largo, FL	SS/OPT	CECOM	Dec 03	Mar 05	39	869			
FY 2005	Raytheon Largo, FL	SS/OPT	CECOM	Dec 04	Mar 06	52	819			

REMARKS: 1) FY01/FY02 terminals procured in Jun 02 after successful FOTE.  
2) Unit prices will vary depending upon total quantity procured in each fiscal year's ordering period, including other service requirements.









# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature SCAMP (SPACE) (BC4003)
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Program Elements for Code B Items:	Code: A	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	57.8	4.2	3.5	1.5	0.6							67.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	57.8	4.2	3.5	1.5	0.6							67.6
Initial Spares												
Total Proc Cost	57.8	4.2	3.5	1.5	0.6							67.6
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The SCAMP BLK I 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. Block I 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 BLK I 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 BLK I will operate on all satellites which utilize the MIL-STD-1582C/D LDR waveform. It operates in environmental conditions that include smoke, aerosol, rain, fog, snow, haze and dust, and operates in the transmit, receive or stand-by mode throughout an entire mission (typically 30 days). SCAMP BLK I 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 Block I terminals are designated for Commanders at Division and Above levels. SCAMP Block I provides manportable EHF/LDR communications using the on-orbit satellites, and future launches. This program is designated as a DoD Space Program. This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04 funds Contractor Technical Services Option and Warranty Review Board efforts.

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature SCAMP BLOCK II (BC4110)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost						12.8	17.0	6.7	30.3	16.1		83.0
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)						12.8	17.0	6.7	30.3	16.1		83.0
Initial Spares												
Total Proc Cost						12.8	17.0	6.7	30.3	16.1		83.0
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The Single Channel Anti-Jam Manportable (SCAMP) Block II Program supports the upgrade of the existing SCAMP Block I terminals with an Advanced Extremely High Frequency (AEHF) capability in support of the AEHF Satellite Program. The SCAMP System Enhancement Program (SEP) supports the requirements in the Joint AEHF Operations Requirement Document (JORD) and provides worldwide secure, low probability of intercept and detection, and assured voice and data communications for the Joint warfighter. SCAMP SEP will transmit in the Extremely High Frequency (EHF) band and receive in the Super High Frequency (SHF) band and will operate over Milstar, other MIL-STD-1582 compatible payloads and the future AEHF payload, providing secure voice and data services. SCAMP SEP will transmit and receive intelligence, situational awareness, as well as command and control traffic. SCAMP SEP provides up to 64 Kbps Uplink (narrowband) and up to 128 Kbps Downlink AEHF capability to units, Division Headquarters and Above, and Special Operations Forces that require increased data rates for range extended command and control communications. A future SCAMP Block II Manpack program effort will be procured in the out years. This program is designated as a DOD Space Program. This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY05 procures and installs retrofit kits to upgrade the SCAMP Block I terminals with an AEHF 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: SCAMP BLOCK II (BC4110)			Weapon System Type:			Date: February 2003			
<b>OPA2 Cost Elements</b>		ID	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
SEP Retrofit Hardware												8828		
Engineering Support												1251		
Government Program Management												1045		
System Test												129		
Non-Recurring Engineering (Refurb)												1522		
<b>Total</b>												<b>12775</b>		

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

Date:  
February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: SCAMP BLOCK II (BC4110)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>SEP Retrofit Hardware</b> FY 2005	Rockwell Collins, Inc. Cedar Rapids, IA	SS/FP	CECOM	APR 05	N/A					

REMARKS:

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature GLOBAL BRDCST SVC - GBS (BC4120)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	24.0	4.2	8.4	11.1	8.9	9.8	10.0	10.2	31.9	28.0		146.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	24.0	4.2	8.4	11.1	8.9	9.8	10.0	10.2	31.9	28.0		146.5
Initial Spares												
Total Proc Cost	24.0	4.2	8.4	11.1	8.9	9.8	10.0	10.2	31.9	28.0		146.5
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

Global Broadcast Service (GBS) is a Joint Service program that responds to the need for a high-speed, one-way broadcast of high volume multi-media information such as imagery, maps, weather data, logistics, air tasking orders, etc., to users worldwide. GBS is an integral part of the Defense Information Infrastructure (DII) and part of the overall DoD MILSATCOM architecture. The DoD GBS initiative was formalized by a Joint Acquisition Decision Memorandum, 27 Mar 96. The need for the GBS communication system was validated by the Joint Requirements Oversight Council (JROC) in a Joint Mission Need Statement, dated 3 Aug 95, and the updated Joint Operational Requirements Document, dated 23 May 01. The GBS Phase II concept was validated by use of a GBS Phase I demonstration system in support of the Bosnia peace mission and Joint Warfighting Interoperability Demonstration (JWID) 95. The Army supports the Air Force GBS Joint Program Office (JPO) for the Transportable Ground Receive Suite (TGRS) and the Theater Injection Point (TIP).

The GBS TGRS consist of a small satellite tracking and receiving antenna, which receives and demodulates the RF downlink signal into a bit stream for the receive broadcast management computer to decrypt and distribute to end users. An in-theater injection capability via the Theater Injection Point (TIP) will broadcast vital Combatant Commanders/Commander Joint Task Force in-theater information to in-theater TGRS. The Army's Authorized Acquisition Objective is a total of three TIPs and 551 TGRSs. This program is designated as a DoD Space Program. This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/05 procures 80 Internet Protocol (IP) TGRS and IP replacement equipment for TGRS previously procured.

<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 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Standard Receive Suite		2808	27	104									
Enhanced Receive Suite							4200	40	105	4200	40	105	
Theater Injection Point (TIP)					5500	1	5500						
Engineering Change Orders					376		379			327			
GFE		165			503		649			657			
Government Engineering		1540			1640		1720			1736			
Government Program Management		768			798		880			885			
Support Equipment		230											
Integration & Connectivity		132											
Test		199			657					243			
Contractor Logistics Support		157			800		560			570			
Fielding		922			820		471			1230			
GapFiller Data Relay Terminals		1475											
<b>Total</b>		<b>8396</b>			<b>11094</b>		<b>8859</b>			<b>9848</b>			

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

Date:  
February 2003

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)

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Standard Receive Suite</b> FY 2002	Raytheon (TGRS) Reston, VA	C/OPT	Hanscom AFB, MA	Jun 02	Feb 03	27	104	Yes		
<b>Enhanced Receive Suite</b> FY 2004	Raytheon (TGRS) Reston, VA	C/OPT	Hanscom AFB, MA	Jan 04	Sep 04	40	105	Yes		
FY 2005	Raytheon (TGRS) Reston, VA	C/OPT	Hanscom AFB, MA	Jan 05	Sep 05	40	105			
<b>Theater Injection Point (TIP)</b> FY 2003	Raytheon (TIP) Reston, VA	C/OPT	Hanscom AFB, MA	Mar 03	Sep 04	1	5500	Yes		

REMARKS:









# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	7.4	1.5	11.4	10.7	10.7	9.3	10.1	10.2	1.3			72.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	7.4	1.5	11.4	10.7	10.7	9.3	10.1	10.2	1.3			72.5
Initial Spares												
Total Proc Cost	7.4	1.5	11.4	10.7	10.7	9.3	10.1	10.2	1.3			72.5
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

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. This program is designated as a DoD Space Program. This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/05 procures 38 Secure Enroute Communications Package - Improved (SECOMP-I) Block I systems. This system is a lightweight, highly compact, communications system which is designed to easily roll on and off aircraft and utilize existing radios. This system is designed for the use of Corps/Joint Task Force (JTF)/Army forces commanders and staff while deploying to a theater of operations onboard aircraft or while dismounted for ground operations. It provides long range, beyond line of sight and Very High Frequency (VHF) secure voice and data for Command, Control, Communications, Computers and Intelligence (C4I).

# Exhibit P-40M, Budget Item Justification Sheet

Date:

February 2003

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	2002 & PR	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	TC	Total
SECOMP-I											
1-84-07-0019	Added Capability	20.3	10.7	10.7	9.3	10.1	10.2	1.3	0.0	0.0	72.6
Totals		20.3	10.7	10.7	9.3	10.1	10.2	1.3	0.0	0.0	72.6

**INDIVIDUAL MODIFICATION**

Date: February 2003

MODIFICATION TITLE: SECOMP-I [MOD 1] 1-84-07-0019

MODELS OF SYSTEM AFFECTED: Not Applicable

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. GMF are those components of the Army, Navy, Air Force, Marine Corps, Special Operations Forces and Joint Communications Support Element engaged in land, air combat and amphibious operations ranging from single -service crisis to mutually supportive joint-service combat missions. Mod Of In-Svc Equipment (TACSAT) funds the upgrades to Army tactical satellite communications.

FY04/05 funds procure 38 Secure Enroute Communications Package - Improved (SECOMP-I) Block I systems. SECOMP-I is a lightweight, highly compact, communications system designed to easily roll on and off aircraft and utilizes existing radios. The system is designed for the use of Corps/Joint Task Force (JTF)/Army commanders and staff while deploying to a theater of operations on-board aircraft or while dismounted for ground operations. It provides long range, beyond line of sight and Very High Frequency secure voice and data for C4I. The estimated system life is 15 years.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

The SECOMP system is currently operational as a non standard Army system. Based upon the users positive evaluation/feedback of the system, the Army has decided to produce SECOMP-I systems. A DA Directed Procurement was awarded in FY02. These funds procured ten (10) limited capability SECOMP-I(-)s to meet an urgent user requirement. The full capability SECOMP-I program will begin in FY03 with an LRIP award of 14 systems.

Note: There are no costs to install the system into aircraft. As a result, the "Installation Schedule" below is not required.

Installation Schedule:

Pr Yr	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Totals																				
Inputs	0																			
Outputs	0																			

	FY 2008				FY 2009				FY 2010				FY 2011				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		0
Outputs																		0

METHOD OF IMPLEMENTATION: Contractor ADMINISTRATIVE LEADTIME: 4 Months PRODUCTION LEADTIME: 12 Months  
 Contract Dates: FY 2004 03-31-04 FY 2005 01-31-05 FY 2006 01-31-06  
 Delivery Date: FY 2004 03-31-05 FY 2005 01-31-06 FY 2006 01-31-07

**INDIVIDUAL MODIFICATION**

Date: February 2003

MODIFICATION TITLE (Cont): SECOMP-I [MOD 1] 1-84-07-0019

FINANCIAL PLAN: (\$ in Millions)

	FY 2002 and Prior		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RD T&amp;E</b>	<b>0</b>																		
<b>Procurement</b>	<b>0</b>																			
Contract System Cost	10	2.5	14	7.8	21	9.2	17	7.7	19	8.5	19	8.6	0						100	44.3
System Project Mgmt -Gov't	0	4.9		1.7		1.1		1.1		1.1		1.1		0.9						11.9
Test and Evaluation	0	0.1		0.9		0.1		0.2		0.2		0.2		0.1						1.8
Fielding	0	0.1		0.3		0.3		0.3		0.3		0.3		0.3						1.9
Engineering Support	0	3.8																		3.8
LHGXA Antennas	0	8.9																		8.9
Note: FY02 funding procured urgently required DA directed procurement. FY03 begins LRIP.	0																			
.	0																			
<b>Installation of Hardware</b>	<b>0</b>																			
FY2002 & Prior Equip-- Kits	0																			
FY2003 Equip-- Kits	0																			
FY2004 Equip-- Kits	0																			
FY2005 Equip-- Kits	0																			
FY2006 Equip-- Kits	0																			
FY2007 Equip-- Kits	0																			
FY2008 Equip-- Kits	0																			
FY2009 Equip-- Kits	0																			
TC Equip- Kits	0																			
<b>Total Installment</b>	<b>0</b>	<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>
<b>Total Procurement Cost</b>		<b>20.3</b>		<b>10.7</b>		<b>10.7</b>		<b>9.3</b>		<b>10.1</b>		<b>10.2</b>		<b>1.3</b>		<b>0.0</b>		<b>0.0</b>		<b>72.6</b>

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature ARMY GLOBAL CMD & CONTROL SYS (AGCCS) (BA8250)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	97.7	10.6	8.4	20.6	16.5	16.2	17.0	17.2	20.7	22.3		247.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	97.7	10.6	8.4	20.6	16.5	16.2	17.0	17.2	20.7	22.3	Continuing	Continuing
Initial Spares												
Total Proc Cost	97.7	10.6	8.4	20.6	16.5	16.2	17.0	17.2	20.7	22.3	Continuing	Continuing
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The Global Command and Control System-Army (GCCS-A) provides the Army's interface to the Joint Staff Global Command and Control System (GCCS) program. GCCS-A provides automated command and control tools for Army Strategic and Theater Commanders to enhance warfighter capabilities throughout the spectrum of conflict during joint and combined operations in support of the National Command Authority (NCA).

GCCS-A is being implemented in accordance with the GCCS concept of Common Operating Environment (COE) and the Army Battle Command System (ABCS) Capstone Requirements Document (CRD). The GCCS-A is the integration of software, hardware and communication architecture. GCCS-A is the Army's Strategic and Theater Command and Control (C2) System. It provides readiness, planning, mobilization and deployment capability information for the strategic commanders. For Theater commanders, GCCS-A provides Common Operational Picture (COP) and associated friendly and enemy status information, force employment planning and execution tools (receipt of forces, intra-theater planning, readiness, force tracking, onward movement, and execution status), and overall interoperability with Joint, Coalition and the tactical Army Battle Command Systems (ABCS). It will support major Army commands (MACOMS), Army Commanders in Chiefs (CINCs), Army Commands and Components, and Army elements within the Pentagon. The GCCS-A will support all staff sections within a headquarters that support all phases of conflict and Stability and Support Operations (SASO). Continuing emphasis will be on upgrading previously fielded hardware to ensure consistency and compatibility with current technologies. This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/05 procures software support for previously fielded software at all Army-managed, worldwide command and control sites and procures hardware upgrades for all Army sites and Joint Commands for which the Army has been given responsibility for Joint hardware in accordance with Joint Publication 5100.3, dated 15 Nov 99. Support and fielding is mandatory in order for the Army to remain in lockstep with GCCS milestones, and support the Army Battle Command 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: ARMY GLOBAL CMD & CONTROL SYS (AGCCS) (BA8250)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Enterprise Server		532	2	266	1150	5	230	1205	5	241	1265	5	253
LAN/WAN Servers		552	12	46	5312	83	64	2680	40	67	2840	40	71
Workstations/Laptops		555	111	5	2990	598	5	1020	170	6	2400	400	6
Bill of Material (BOM)		160			250			254			253		
Software Licenses					500			500			500		
S/W Support - Fielding (Lockheed-Martin)		4027			6379			5862			4000		
Fielding (FCBS/Corcen)		355			448								
PMO Fielding Support		1133			1225			1024			1029		
GCCS-A Training Support		1048			1339			1341			1247		
Central Test Support Facility (CTSF)		75			79			80			80		
Engineering Support					904								
Deployables (LAN/WAN Servers)								1541	23	67	1633	23	71
Deployables (Workstations/Laptops)								342	57	6	342	57	6
Deployable Support								650			650		
<b>Total</b>		<b>8437</b>			<b>20576</b>			<b>16499</b>			<b>16239</b>		

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Enterprise Server</b>										
FY 2002	General Dynamics Tauton, MA	IDIQ	CECOM	FEB 02	JUN 02	2	266	Yes		
FY 2003	General Dynamics Taunton, MA	IDIQ	CECOM	FEB 03	JUN 03	5	230	Yes		
FY 2004	General Dynamics Taunton, MA	IDIQ	CECOM	FEB 04	JUN 04	5	241	Yes		
FY 2005	General Dynamics Tauton, MA	IDIQ	CECOM	FEB 05	JUN 05	5	253	Yes		
<b>LAN/WAN Servers</b>										
FY 2002	General Dynamics Tauton, MA	IDIQ	CECOM	FEB 02	JUN 02	12	46	Yes		
FY 2003	General Dynamics Tauton, MA	IDIQ	CECOM	FEB 03	JUN 03	83	64	Yes		
FY 2004	General Dynamics Taunton, MA	IDIQ	CECOM	FEB 04	JUN 04	40	67	Yes		
FY 2005	General Dynamics Tauton, MA	IDIQ	CECOM	FEB 05	JUN 05	40	71	Yes		
<b>Workstations/Laptops</b>										
FY 2002	Telos Ashburn, VA	IDIQ	GSA, KANSAS CITY	FEB 02	JUN 02	111	5	Yes		
FY 2003	Telos Ashburn, VA	IDIQ	GSA, KANSAS CITY	FEB 03	JUN 03	598	5	Yes		
FY 2004	Telos Ashburn, VA	IDIQ	GSA, KANSAS CITY	FEB 04	JUN 04	170	6	Yes		
FY 2005	Telos Ashburn, VA	IDIQ	GSA, KANSAS CITY	FEB 05	JUN 05	400	6	Yes		

REMARKS: The above equipment is Commercial-Off-The-Shelf (COTS)

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	690.1	80.8	63.2	72.8	52.4	178.2	153.1	134.0	126.2	125.5		
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	690.1	80.8	63.2	72.8	52.4	178.2	153.1	134.0	126.2	125.5	Continuing	Continuing
Initial Spares	15.4											15.4
Total Proc Cost	705.5	80.8	63.2	72.8	52.4	178.2	153.1	134.0	126.2	125.5	Continuing	Continuing
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The Army Data Distribution System (ADDS) is a Command, Control, Communication and Intelligence (C3I) program consisting of several data radio systems: Near Term Digital Radio (NTDR), Enhanced Position Location Reporting System (EPLRS), and Joint Tactical Radio System (JTRS). EPLRS 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 approved Net Control Station (NCS) downsizing initiative and EPLRS Net Manager (ENM). The JTRS Cluster 1 program will enable the Army to acquire and field a family of affordable, scaleable, high capacity, interoperable radio sets based on a common JTRS Software Communications Architecture (SCA). The JTRS is a key enabler of the Army Transformation and will provide critical communications capabilities across the spectrum of operations in a Joint environment. These systems support the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

EPLRS: FY04/05 procures 711 EPLRS Radio Sets (RSs). FY04/05 continues the fielding of prior year hardware procurements to the 3rd, 4th and 6th Stryker Brigade Combat Teams (SBCTs), 3rd Armored Cavalry Division, Army National Guard III Corps, and III Corps Troops. FY04/05 funding will also provide New Equipment Training (NET), kit procurement, integration, Engineering Change Orders (ECOs), life cycle software engineering and program management support. FY04/05 includes procurement and fielding of ENMs. FY 04/05 also includes fielding support for NTDR Tactical Operations Center (TOC) radios.  
 JTRS Cluster 1: FY05 procurement procures radios for Multi-service Operational Test and Evaluation (MOT&E) and fielding to the SBCTs. MOT&E assets will be fielded to SBCTs after test. Quantities also support Aviation recapitalization.

<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 DATA DISTRIBUTION SYSTEM (DATA RADIO) (BU1400)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>Enhanced Position Location Reporting System (EPLRS)</b>													
*													
EPLRS User Unit Receiver Transmitter		28787	1076	26.754	29907	1046	28.592	23158	711	32.571			
EPLRS Network Manager (ENM) (1)		356	20	17.800	1148	33	34.788	731	16	45.688			
Other Hardware		8300			6808			4798			21667		
Government Engineering		5523			5431			5855			4854		
Engineering Change Orders (ECOs)								528					
Integration/ Upgrades		6708			4584			2266			2664		
Life Cycle Software Engineering		2650			2300			2345			1617		
Tooling, Test Equipment/ Non-Recurring		194			197			201					
Project Management Administration		3314			3258			3513			2913		
Total Package Fielding		4310			7627			7281			6063		
Engineering Support		2932			2551								
Tactical Operations Center Data Radio		84			9000	248	36.290	1708			1833		
<b>EPLRS Total</b>		<b>63158</b>			<b>72811</b>			<b>52384</b>			<b>41611</b>		
<b>Joint Tactical Radio System (JTRS)</b>													
JTRS Cluster 1 Ground Sets											37854	209	181.120
JTRS Cluster 1 Aviation Sets											34052	129	263.969
Other Hardware											2919		
Engineering Change Orders											2883		
Contractor Program Management											19530		
Project Management Administration											9184		
Tooling, Test and NRE											15094		
Training/Data											4431		
Fielding											6723		
Technical Insertion											3882		
<b>Cluster 1 Total</b>											<b>136552</b>		
(1) ENM unit costs are driven by unique platform designs and accessory equipment This information is presented to explain variations in this report.													
<b>Total</b>		<b>63158</b>			<b>72811</b>			<b>52384</b>			<b>178163</b>		

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>EPLRS User Unit Receiver Transmitter</b>										
FY 2002	Raytheon Systems Co Forest, MS	SS/FFP	CECOM	Jun-02	Oct-03	1076	26.754	Yes		May-02
FY 2003	Raytheon Systems Co Forest, MS	SS/FFP	CECOM	Feb-03	Jun-04	1046	28.592	Yes		May-02
FY 2004	Raytheon Systems Co Forest, MS	SS/FFP	CECOM	Jan-04	Apr-05	711	32.571	Yes		May-02
<b>JTRS Cluster 1 Ground Sets</b>										
FY 2005	Boeing Anaheim, CA	C/Option	CECOM	Jan-05	Apr-06	209	181.120	No		
<b>JTRS Cluster 1 Aviation Sets</b>										
FY 2005	Boeing Anaheim, CA	C/Option	CECOM	Jan-05	Apr-06	129	263.969	No		

REMARKS: CECOM - Communications Electronics Command

For JTRS Army Cluster 1 Ground and Aviation Sets, LRIP award is Fixed Price Incentive with Successive Target Options negotiated as part of the System Demonstration and Development Contract with Boeing (FY05 & FY06).

The JTRS Army Cluster 1 Ground sets consists of 2 through 9 channel capability. Most of the sets in the near term are 4 channels or greater. The Army Cluster 1 Aviation sets consists of the configurations for Army Rotary Wing (8-channel requirement)and the A2C2S (16-channel requirement).

The Full Rate Production division of assets for JTRS Cluster 1 will be competitively awarded in FY07 and out.





























**FY 10 / 11 BUDGET PRODUCTION SCHEDULE**

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

Date: February 2003

COST ELEMENTS	MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Fiscal Year 10												Fiscal Year 11												LATER	
							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		
JTRS Cluster 1 Ground Sets																																
	4	FY 05	A	209	209	0																								0		
	4	FY 05	AF	7	7	0																								0		
	4	FY 05	MC	44	44	0																								0		
	4	FY 06	A	98	98	0																								0		
	4	FY 06	AF	39	39	0																								0		
	4	FY 06	MC	70	70	0																								0		
	5	FY 07	A	127	127	0																								0		
	5	FY 07	AF	25	25	0																								0		
	5	FY 07	MC	300	300	0																								0		
	5	FY 08	A	124	85	39	13	13	13																					0		
	5	FY 08	AF	165	105	60	20	20	20																					0		
	5	FY 08	MC	300	210	90	30	30	30																					0		
	5	FY 09	A	208	0	208				25	25	25	25	17	17	17	17	10	10	10	10									0		
	5	FY 09	AF	160	0	160				20	20	20	15	15	15	15	15	10	5	5	5									0		
	5	FY 09	MC	300	0	300				30	30	30	30	30	25	25	25	25	20	15	15									0		
JTRS Cluster 1 Aviation Sets																																
	4	FY 05	A	129	129	0																								0		
	4	FY 06	A	193	193	0																								0		
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
MFR	PRODUCTION RATES				REACHED	MFR Number	ADMINLEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS																					
	NAME/LOCATION	MIN.	1-8-5	MAX.			D+	Prior 1 Oct				After 1 Oct																				
1	Raytheon System Co (Hughes), Forest, MS	65.00	200.00	220.00	0	1	INITIAL	0	5	16	21																					
							REORDER	0	4	14	18																					
2	Raytheon Systems Co, Forest, MS	65.00	200.00	250.00	0	2	INITIAL	0	5	33	38																					
							REORDER	0	4	27	31																					
3	Raytheon Systems Co II, Forest, MS	65.00	200.00	250.00	0	3	INITIAL	0	5	16	21																					
4	Boeing, Anaheim, CA	20.00	420.00	500.00	0	4	INITIAL	0	1	12	13																					
							REORDER	0	1	12	13																					
5	TBD, TBD	20.00	420.00	500.00	0	5	INITIAL	0	1	12	13																					
							REORDER	0	1	12	13																					





# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature Radio Terminal Set, MIDS LVT(2) (B22603)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost					2.9	2.9	2.9	2.9	2.9	2.9		17.6
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)					2.9	2.9	2.9	2.9	2.9	2.9		17.6
Initial Spares												
Total Proc Cost					2.9	2.9	2.9	2.9	2.9	2.9		17.6
Flyaway U/C	0.0								0.0	0.0		
Wpn Sys Proc U/C												

**Description:**

The Multifunctional Information Distribution System Low Volume Terminal (MIDS LVT) is a subsystem of a tactical platform's 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 (TMDA) 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. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/05 procures system project management and some 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) and Forward Area Air Defense (FAAD) formerly known as Short Range Area Defense (SHORAD).

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature SINCGARS FAMILY (BW0006)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	2962.0	51.9	25.6	62.4	39.3	44.0	13.0					3198.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	2962.0	51.9	25.6	62.4	39.3	44.0	13.0					3198.1
Initial Spares	15.9											15.9
Total Proc Cost	2977.9	51.9	25.6	62.4	39.3	44.0	13.0					3214.1
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The Single Channel Ground and Airborne Radio System (SINCGARS) VHF-FM Radio Communications System provides the primary means of command and control for combat/ combat support/ combat service support units. The SINCGARS radio provides state-of-the-art communications in manpack, vehicle, and airborne configurations. Its Frequency-Hopping and jam resistant capabilities offset current threat jamming techniques. SINCGARS continues its evolutionary development with the fielding of the Advanced SINCGARS System Improvement Program (ASIP) radio. The SINCGARS ASIP radio provides for enhanced data and voice communications while using commercial Internet Protocols. The SINCGARS radio is an essential component of the Tactical Internet enabling commanders to conduct operations on the digitized battlefield. The family of SINCGARS radios is employed on such systems as the Bradley M2A3, PATRIOT, ABRAMS M1A2SEP, and the Longbow Apache. Funding through FY 06 buys 245,888 of the total requirement of 252,091 radios (97.5%). This system supports the legacy transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/FY05 procures and fields ground ASIP radios for high priority National Guard units, Brigade Combat Teams (BCT), and procures SINCGARS Test Sets (AN/GRM-122).

A total of 16,475 NON-ICOM radios were declared obsolete in June 2001.

FY03 includes a \$34,000,000 Congressional add as follows:

\$22,100,000 was provided from the Defense Emergency Response Fund (DERF) for acquisition and fielding of 500 High-Frequency (HF) radios, \$10,500,000 SINCGARS radios and \$1,400,000 AN/GRM-122 radio test sets.

Acquisition Objective of Airborne radios was increased by 363 to a revised quantity of 9,611 on 30 Sep 2002.

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature SINGGARS - GROUND (B00500)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	2707.7	40.7	17.3	62.4	39.3	44.0	13.0					2924.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	2707.7	40.7	17.3	62.4	39.3	44.0	13.0					2924.3
Initial Spares	15.0											15.0
Total Proc Cost	2722.7	40.7	17.3	62.4	39.3	44.0	13.0					2939.3
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The Single Channel Ground and Airborne Radio System (SINGGARS) VHF-FM Radio Communications System provides the primary means of command and control for combat/ combat support/ combat service support units. The SINGGARS 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. SINGGARS continues its evolutionary development with the fielding of the Advanced SINGGARS System Improvement Program (ASIP) radio. The SINGGARS ASIP radio provides for enhanced data and voice communications while using commercial Internet Protocols. The SINGGARS radio is an essential component of the Tactical Internet enabling commanders to conduct operations on the digitized battlefield. The family of SINGGARS radios is employed on such systems as the Bradley M2A3, PATRIOT, ABRAMS M1A2SEP, and the Longbow Apache. Funding through FY 06 buys 236,640 radios (97.6%) of the 242,480 Army Acquisition Objective. This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/FY05 procures and fields ground ASIP radios for high priority National Guard units, Brigade Combat Teams (BCT), and procures SINGGARS Test Sets (AN/GRM -122).

A total of 16,475 NON-ICOM radios were declared obsolete in June 2001.

FY03 includes a \$34,000,000 Congressional add as follows:

\$22,100,000 HF radios, \$10,500,000 SINGGARS radios and \$1,400,000 AN/GRM-122 radio test 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: SINCGARS - GROUND (B00500)			Weapon System Type:			Date: February 2003			
<b>OPA2 Cost Elements</b>		ID	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
HARDWARE - PRIMARY			4489	500	9	14458	1850	8	16650	2000	8	19800	2400	8
CONTRACTOR ENG'G SUPPORT			1296			4452			2760			1584		
GOVERNMENT ENGINEERING			882			1354			1487			1430		
PROJECT MANAGEMENT ADMIN			607			1329			1608			1594		
ENGINEERING SUPPORT			942			1975								
OTHER HARDWARE			7076			31599			15183			17863		
TEST			60			70			50			50		
<b>FIELDING</b>														
NEW EQUIPMENT TRAINING			245			374			272			286		
TOTAL PACKAGE FIELDING			1705			1495			1265			1361		
2nd IBCT														
ENGINEERING CHANGE PROPOSAL						5300								
<b>Total</b>			<b>17302</b>			<b>62406</b>			<b>39275</b>			<b>43968</b>		



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

Date:  
February 2003

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

Weapon System Type:

P-1 Line Item Nomenclature:  
SINGARS - GROUND (B00500)

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>HARDWARE - PRIMARY</b>										
FY 2002	ITT Ft. Wayne, IN	SS/FP/OP	CECOM	Apr 02	Apr 03	500	9	Y		Sep 99
FY 2003	ITT Ft. Wayne, IN	SS/FP/OP	CECOM	Feb 03	Apr 04	1850	8	Y		Sep 99
FY 2004	TBS	COMP/FP	CECOM	Apr 04	Apr 05	2000	8	Y		
FY 2005	TBS	COMP/FP/OP	CECOM	Apr 05	Apr 06	2400	8	Y		

REMARKS:

FY 02 / 03 BUDGET PRODUCTION SCHEDULE							P-1 Item Nomenclature: SINGGARS - GROUND (B00500)												Date: February 2003												
COST ELEMENTS	MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Fiscal Year 02												Fiscal Year 03												LATER
							Calendar Year 02												Calendar Year 03												
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
HARDWARE - PRIMARY																															
	2	FY 01 & PR	A	54371	54371	0																							0		
	1	FY 01 & PR	A	162257	160997	1260																		210	210	210	210	210	210	0	
	1	FY 02	A	500	0	500																							0		
	1	FY 03	A	1850	0	1850																							248		
	1	FY 04	A	2000	0	2000																							2000		
	1	FY 05	A	2400	0	2400																							2400		
	1	FY 01 & PR	AF	1985	1985	0																							0		
	2	FY 01 & PR	AF	178	178	0																							0		
	1	FY 01 & PR	AR	3000	3000	0																							0		
	1	FY 01 & PR	MC	29346	29346	0																							0		
	1	FY 01 & PR	NA	2567	2567	0																							0		
	2	FY 01 & PR	NA	374	374	0																							0		
	1	FY 03	NA	507	0	507																							507		
	1	FY 01 & PR	NG	10162	9676	486																							0		
	1	FY 02	NG	100	0	100																							40		
	2	FY 01 & PR	OTH	1013	1013	0																							0		
Total				272610	263507	9103																									
							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	PRODUCTION RATES				REACHED	MFR Number	ADMINLEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS																				
NAME/LOCATION	MIN.	1-8-5	MAX.	D+			Prior 1 Oct	After 1 Oct																							
1	ITT, Ft. Wayne, IN	160.00	1000.00	1500.00	0	1	INITIAL	2	6	12	18																				
							REORDER	2	6	12	18																				
2	GDLS, Tallahassee, FL	550.00	1375.00	1790.00	0	2	INITIAL	2	6	12	18																				
							REORDER	2	6	12	18																				
							INITIAL																								
							REORDER																								
							INITIAL																								
							REORDER																								



FY 06 / 07 BUDGET PRODUCTION SCHEDULE							P-1 Item Nomenclature: SINGGARS - GROUND (B00500)										Date: February 2003														
COST ELEMENTS	MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Fiscal Year 06												Fiscal Year 07												LATER
							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	
HARDWARE - PRIMARY																															
	2	FY 01 & PR	A	54371	54371	0																							0		
	1	FY 01 & PR	A	162257	162257	0																							0		
	1	FY 02	A	500	500	0																							0		
	1	FY 03	A	1850	1850	0																							0		
	1	FY 04	A	2000	990	1010	165	165	165	165	165	185																	0		
	1	FY 05	A	2400	0	2400							200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	0		
	1	FY 01 & PR	AF	1985	1985	0																							0		
	2	FY 01 & PR	AF	178	178	0																							0		
	1	FY 01 & PR	AR	3000	3000	0																							0		
	1	FY 01 & PR	MC	29346	29346	0																							0		
	1	FY 01 & PR	NA	2567	2567	0																							0		
	2	FY 01 & PR	NA	374	374	0																							0		
	1	FY 03	NA	507	507	0																							0		
	1	FY 01 & PR	NG	10162	10162	0																							0		
	1	FY 02	NG	100	100	0																							0		
	2	FY 01 & PR	OTH	1013	1013	0																							0		
Total																															
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
MFR	NAME/LOCATION	PRODUCTION RATES			REACHED D+	MFR Number	ADMINLEAD 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	160.00	1000.00	1500.00	0	1	INITIAL	2	6	12	18	Note: Facility 1 has adjusted capacity to meet program requirements. Facility 2 is no longer producing radios.																			
							REORDER	2	6	12	18																				
2	GDLS, Tallahassee, FL	550.00	1375.00	1790.00	0	2	INITIAL	2	6	12	18																				
							REORDER	2	6	12	18																				
							INITIAL																								
							REORDER																								
							INITIAL																								
							REORDER																								

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature SINCGARS - AIRBORNE (J30500)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	254.3	11.2	8.3									273.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	254.3	11.2	8.3									273.8
Initial Spares	0.9											0.9
Total Proc Cost	255.2	11.2	8.3									274.7
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

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

**Justification:**

The FY02 funding completed the buy of the previous Army Acquisition Objective (AAO) of 9,248 radios.  
In FY02, the AAO was increased by 363 radios to a revised quantity of 9,611.

<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 - AIRBORNE (J30500)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>		<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
ID CD		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
AIRBORNE HARDWARE		5693	224	25									
GOVERNMENT ENGINEERING		549											
DATA													
PROJECT MANAGEMENT ADMIN		64											
FIELDING													
ENGINEERING SUPPORT		326											
OTHER HARDWARE		1626											
<b>Total</b>		<b>8258</b>											

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

Date:  
February 2003

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

Weapon System Type:

P-1 Line Item Nomenclature:  
SINGGARS - AIRBORNE (J30500)

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
AIRBORNE HARDWARE FY 2002	ITT Ft. Wayne, IN	SS/FP/OP	CECOM	APR 02	APR 03	224	25			

REMARKS:







# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature Multi-Purpose Informations Operations Sysems (BC3000)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost			1.9	4.0	6.1	7.7	8.4	9.8	6.5	5.9		50.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)			1.9	4.0	6.1	7.7	8.4	9.8	6.5	5.9		50.3
Initial Spares												
Total Proc Cost			1.9	4.0	6.1	7.7	8.4	9.8	6.5	5.9		50.3
Flyaway U/C												
Wpn Sys Proc U/C												

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

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature JOINT TACTICAL AREA COMMAND SYSTEMS (BA1010)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
------------------------------------	-------	---------------------------------

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	574.2	1.0	1.0	2.3	0.9	0.8	0.9	0.9	0.5	0.5		582.9
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	574.2	1.0	1.0	2.3	0.9	0.8	0.9	0.9	0.5	0.5		582.9
Initial Spares												
Total Proc Cost	574.2	1.0	1.0	2.3	0.9	0.8	0.9	0.9	0.5	0.5		582.9
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

Joint Tactical Area Command Systems funding supports the Legacy Systems of the Area Common User System-Modernization Plan (ACIS-MP) which is comprised of the Communication Networks, which evolved from the original Tri Service Tactical Communications and Mobile Subscriber Equipment. The Communication System Control Element(CSCE)and Network Planning Terminal (NPT) provide critical management functions for the tactical to strategic communications links through control and management of switching and radio networks. Radio Sets,AN/GRC-222 and AN/GRC-226 provide the necessary bandwidth to transmit voice and digital information. Quick Erect Antena Mast(QEAM) allows rapid setup/tear down and movement on the tactical battlefield. This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

For FY03, a new requirment has been added to the BA1010 line - ARS-6 which is a piece of the Positioning Locator System (PLS). Funds were provided to award a contract with American Competitive Institute (ACI) to upgrade existing PLS electronics to state of the art, reduce the cost of system procurement and maintenance, add needed capability for the PLS to talk to the next generation survival radio - the Combat Survivor Evader System (CSEL) and to upgrade PLS to operate with Air Force and Navy AN/PRC-112 HOOK radios.

**Justification:**

CECOM/JTACS System Branch Allocation - FY 04/05 funds are required to provide Level II Project Management of equipments transferred from PM JTACS/WIN-T to CECOM.

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature ACUS MOD PROGRAM (BB1600)
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Program Elements for Code B Items:	Code: A	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	730.1	199.9	158.4	100.1	108.4	105.5	85.8	51.2	42.5	31.3		1613.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	730.1	199.9	158.4	100.1	108.4	105.5	85.8	51.2	42.5	31.3		1613.2
Initial Spares												
Total Proc Cost	730.1	199.9	158.4	100.1	108.4	105.5	85.8	51.2	42.5	31.3		1613.2
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The ACUS Mod Program funds the ongoing and planned modifications to the Area Common User System (ACUS) and supports its migration to the Army's Warfighter Information Network (WIN) Tactical systems architecture by recapitalizing legacy systems. WIN-Tactical is the architecture that will seamlessly link diverse information resources into a network the Army warfighters can use on the 21st Century's digitized battlefield. The ACUS-Modernization Plan (MP) includes ongoing modifications/upgrades and the recapitalization of the Mobile Subscriber Equipment (MSE) system at Echelons Corps and Below (ECB) and the Tri-Service Tactical Communications (TRI-TAC) system at Echelons Above Corps (EAC). The Switch Modernization effort is the production and fielding effort to upgrade selected legacy area common user system switches with Asynchronous Transfer Mode (ATM) capable switches. The Radio Modernization effort provides an increased transmission capacity between switches to move voice, video, and data for the digitized battlefield III Corps and for the entire Army. The Tactical High Speed Data Network (THSDN) technology insertion provides for the more efficient use of available bandwidth and increased throughput to support high speed data access through TRI-TAC/MSE to the Brigade Tactical Operations Center (TOC). Other modifications include the Secure Wireless LAN (SWLAN) which provides secure wireless connectivity between mobile command post platforms; Network Operations Center-Vehicle (NOC-V), which integrates Commercial Off the Shelf (COTS) and Government Off the Shelf (GOTS) hardware and software to the TOC; Battlefield Video Teleconferencing (BVTC) which provides internet working of video terminals; Brigade Subscriber Node (BSN) which is an integrated switching/transmission shelter providing voice/data/video capabilities for the Stryker Brigade Combat Team (SBCT); and Information Assurance (IA) enhancements which provide for perimeter security protection and defense-in-depth management. The Baseband Node (BBN) 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. The ACUS Mod program supports downsizing ACUS legacy systems via the Single Shelter Switch (SSS), and High Mobility DGM Assemblage (HMDA) systems. ACUS Mod also supports the secure digital facsimile program (AN/UXC-10). Spares and training devices are provided with the above mentioned upgrades.

The ACUS Mod Program supports the Legacy transition path of the Transformation Campaign Plan (TCP).

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

Date:

February 2003

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:

**JUSTIFICATION:**

FY04/05 procures Army recapitalization efforts through the ACUS MP and provides systems engineering, integration, testing, and necessary production/contractor engineering support. The ACUS is an area switched communication system that is comprised of the Echelons Above Corps (EAC) communication network, which evolved from the original TRI -TAC concept, and the Echelons Corps and Below Mobile Subscriber Equipment (ECB MSE). The Army recapitalizes Army signal units, via a Signal Battalion equivalent, by restoring legacy assemblages, providing selected upgrades to add warfighting capability improvements, and inserting new technology. This will provide increased bandwidth and data capacity, dynamic allocation to support video and data, and information security. (As an example, the 1st CAV Division's Signal Battalion (13th) consists of six Node Center Switches (NCS), twenty-four Small Extension Nodes (SENs), thirty-one Line-Of-Sight (LOS) Radio Assemblage V1, twenty-four LOS Radio Assemblage V3, and one LOS Radio Assemblage V4.) FY04/FY05 will continue to support the Army's Transformation Initiatives by inserting new technologies [Brigade Subscriber Node (BSN), Battlefield Video TeleConferencing (BVTC), Secure Wireless LAN (SWLAN), Network Operations Center-Vehicle (NOC-V)] into the Army's Stryker Brigade Combat Teams (SBCTs). At the same time, the Digitized III Corps at Fort Hood [Asynchronous Transfer Mode (ATM), High Capacity Line of Sight Radios (HCLoS), Information Assurance (IA), Battlefield Video TeleConferencing (BVTC), Secure Wireless LAN (SWLAN), Network Operations Center-Vehicle (NOC-V) into III Corps] will complete its fielding. In addition, HCLoS and Tactical High Speed Data Network (THSDN) (8MBPS) continue procurement and fielding of XVIII Corps signal units. Acquisition and fielding of Baseband Nodes (BBN) in support of JTF/JFLCC will begin in FY04.

# Exhibit P-40M, Budget Item Justification Sheet

Date: February 2003

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:

Description Fiscal Years

OSIP NO.	Classification	2002 & PR	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	TC	Total
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ACUS Area Common User Modernization Plan

0-00-00-0000		1088.4	100.1	108.4	105.5	85.8	51.2	42.5	31.3	0.0	1613.2
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Totals		1088.4	100.1	108.4	105.5	85.8	51.2	42.5	31.3	0.0	1613.2
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**INDIVIDUAL MODIFICATION**

Date: February 2003

MODIFICATION TITLE: ACUS Area Common User Modernization Plan [MOD 1] 0-00-00-0000

MODELS OF SYSTEM AFFECTED: Network Management and Control, Circuit Switching, Data Switching, Terminals and Transmission System

DESCRIPTION/JUSTIFICATION:

The ACUS Mod Program funds the ongoing and planned modifications to the Area Common User System (ACUS) and supports its migration to the Army's Warfighter Information Network (WIN) Tactical systems architecture by recapitalizing legacy systems. WIN-Tactical is the architecture that will seamlessly link diverse information resources into a network the Army warfighters can use on the 21st Century's digitized battlefield. The ACUS-Modernization Plan (MP) includes ongoing modifications/upgrades and the recapitalization of the Mobile Subscriber Equipment (MSE) system at Echelons Corps and Below (ECB) and Tri-Service Tactical Communications (TRI-TAC) system at Echelons Above Corps (EAC). The ACUS Mod Program supports the Army's transformation initiatives by inserting new technologies and selected upgrades into the Army's Stryker Brigade Combat Teams (SBCT), III Corps, and remaining Army Signal units.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Installation Schedule:

Pr Yr	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs	11		1			4				4				3				4		
Outputs	3	1		2		1	1	2	1		0	0	1	1	1	1	1	1	1	1

	FY 2008				FY 2009				FY 2010				FY 2011				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs		4				4				3				1			0	39
Outputs	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	4	39

METHOD OF IMPLEMENTATION:      OPTIONS                      ADMINISTRATIVE LEADTIME:      0 Months                      PRODUCTION LEADTIME:      24 Months  
 Contract Dates:                      FY 2004      JAN04                      FY 2005      JAN05                      FY 2006      JAN06  
 Delivery Date:                      FY 2004      JAN06                      FY 2005      JAN07                      FY 2006      JAN08

**INDIVIDUAL MODIFICATION**

Date: February 2003

MODIFICATION TITLE (Cont): ACUS Area Common User Modernization Plan [MOD 1] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	FY 2002 and Prior		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>																			
<b>Procurement</b>																				
Kit Quantity																				
Installation Support		32.6		8.4		9.6		9.5		7.6		4.4		3.6		2.7				78.4
Installation Kits, Nonrecurring																				
Equipment		779.6		61.3		70.9		70.2		56.1		32.2		25.8		19.7				1115.8
Equipment, Nonrecurring		100.1		0.5																100.6
Engineering Change Orders		6.8		1.7		1.9		1.9		1.5		0.9		0.7		0.5				15.9
Data		0.3																		0.3
Training Equipment		13.5		1.0		2.0														16.5
Proj Mgmt Admin/Other		88.8		11.8		12.4		12.5		11.4		8.4		8.1		5.2				158.6
Other-Spares		37.8		10.1		11.6		11.4		9.2		5.3		4.3		3.2				92.9
IBCT2		28.9																		28.9
Engineering Support				5.3																5.3
<b>Installation of Hardware</b>		<b>0</b>																		
FY2002 & Prior Equip-- Kits																				
FY2003 Equip-- Kits																				
FY2004 Equip-- Kits																				
FY2005 Equip-- Kits																				
FY2006 Equip-- Kits																				
FY2007 Equip-- Kits																				
FY2008 Equip-- Kits																				
FY2009 Equip-- Kits																				
TC Equip- Kits																				
<b>Total Installment</b>	<b>0</b>	<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>
<b>Total Procurement Cost</b>		<b>1088.4</b>		<b>100.1</b>		<b>108.4</b>		<b>105.5</b>		<b>85.8</b>		<b>51.2</b>		<b>42.5</b>		<b>31.3</b>		<b>0.0</b>		<b>1613.2</b>



# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature COMMS-ELEC EQUIP FIELDING (BA5210)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	166.7	7.0	7.2	21.3	15.9	16.0	16.6	16.9	7.5	8.0		283.1
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	166.7	7.0	7.2	21.3	15.9	16.0	16.6	16.9	7.5	8.0		283.1
Initial Spares												
Total Proc Cost	166.7	7.0	7.2	21.3	15.9	16.0	16.6	16.9	7.5	8.0		283.1
Flyaway U/C	0.0								0.0	0.0		
Wpn Sys Proc U/C												

**Description:**

This line is required to fully fund the Transformation Campaign Plan (TCP), the acquisition of 400 AN/PRC-150C HF and 1812 AN/PRC-148 AM/FM Radios for Stryker Brigade Combat Teams (SBCT) 3,4,5 and 6, sustainment of USARPAC/SETAF C4ISR programs and HQ DA-G8 Distant Learning Center, Integrated Theater Signal Battalions (ITSB) and for Total Package Fieldings (TPF) of displaced equipment, containerized Joint Worldwide Intelligence Communications System (C-JWICS) and Pentagon/C-JWICS support contracts. TPF includes the recovery, testing and operational checkout of DA controlled Communications-Electronic Systems.

**Justification:**

The primary efforts to be funded in FY04/05 are execution of the Transformation Campaign Plan (TCP) for the USARPAC effort, DA government and contractual personnel, HF Radios for the Stryker BCTs and residual SINCGARS Cascade TPF (units delayed because of lack of availability of kits/equipment). Funds for the USARPAC C4ISR mission and systems, RDEC engineering support and laboratory requirements and Interactive electronic technical manuals and Pentagon support contract. Funds for the Advanced Multiband Secure Squad and HF/VHF Radios, AN/PRC-150/148 for SBCT 3,4,5 and 6, SETAF C4ISR systems and mission, Containerized Joint Worldwide Intelligence Communications System (C-JWICS) and Pentagon/C-JWICS support contracts. HQDA-G8 directed TPF of displaced C-E systems and equipment. This includes the recovery, testing and operational checkout of equipment. This includes salaries, TDY expenditures of both government and contractual personnel and the HQDA-G8 distance Learning Center located at Fort Monmouth, NJ

<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 2003		
<b>OPA2 Cost Elements</b>		<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
ID CD		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>HARDWARE</b>													
SBCT HF Radios		2476			3400			6700			2500		
Communication-Electronics					2546			1000			3856		
SINCGARS					4200								
CONTRACT SERVICE SUPPORT		4686			11136			8203			9600		
<b>Total</b>		<b>7162</b>			<b>21282</b>			<b>15903</b>			<b>15956</b>		

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

Date:  
February 2003

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

Weapon System Type:

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

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>HARDWARE</b>										
<b>SBCT HF Radios</b>										
FY 2002	Lear-Siegler Herndon, VA	SVCS	FORT MONMOUTH,NJ	UNK	UNK					
FY 2002	Harris FL	HARDWARE	FORT MONMOUTH,NJ	UNK	UNK					
FY 2002	EPS Shrewsbury, NJ	SVCS	FORT MONMOUTH,NJ	9/00	10/00					
<b>CONTRACT SERVICE SUPPORT</b>										

REMARKS:

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature SOLDIER ENHANCEMENT PROGRAM COMM/ELECTRONICS (BA5300)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	9.2	19.5	4.9	11.4	8.0	8.0	8.3	14.4	8.3	4.4		96.3
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	9.2	19.5	4.9	11.4	8.0	8.0	8.3	14.4	8.3	4.4	Continuing	Continuing
Initial Spares												
Total Proc Cost	9.2	19.5	4.9	11.4	8.0	8.0	8.3	14.4	8.3	4.4	Continuing	Continuing
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

This program procures modernization and enhancement items that benefit Soldiers by improving their lethality, survivability, mobility, command and control, and sustainment. The Soldier Intercom (SI) and the Integrated Laser White Light Pointer (ILWLP) are two items currently being procured under this program. (1) The SI is a small voice radio with a tethered speaker/microphone for use by individuals within a squad to coordinate their movement. SI will allow squad members to communicate more effectively while conducting day/night combat operations over short distances without relying on hand and arm signals, particularly in Military Operations in Urban Terrain (MOUT). The SI is an inexpensive means of coordinating squad communication and consists of a receiver/transmitter, antenna, speaker/microphone and carrying case. SI is an interim solution for Infantry intrasquad communication until Land Warrior is fielded. (2) The ILWLP is an integrated laser/white light device that can be weapon-mounted or hand-held. When weapon-mounted, it will provide the Soldier with the capability to accurately aim his weapon during periods of darkness at the maximum effective range of his weapon when used in conjunction with other image intensification devices. It also provides a limited visible laser capability and a white light capability during MOUT conditions. The ILWLP will be mounted on the M16A2, the M4 Carbine, the M16/M4 Modular Weapon System, and the M9 Semi-automatic Pistol. This project supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

The FY04/05 funding procures 1692 Individual Soldier Intercoms and continues the procurement of the Integrated Laser White Light Pointer with a quantity of 8187. (1) Command and control through radios currently ends at the squad leader level. The SI extends the ability of the squad leader to disseminate voice information to members of the squad by using a small rugged, non-developmental radio. (2) The ILWLP will provide combat Soldiers with a compact, lightweight, integrated laser/white light device for use in a variety of combat scenarios and weather conditions. It will allow the combat and combat support forces to acquire and engage targets with small arms weapons on the battlefield and in close quarters combat engagements during limited visibility conditions or in total darkness.

<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 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>Hardware - SI</b>													
SI - Individual	A	2459	4622	1	374	703	1	540	1015	1	189	356	1
SI - Platoon Support Package	A	134	283	0	11	22	0	23	48	0	4	9	0
SI - Company Support Package	A	145	100	1	12	8	1	23	16	1	6	4	1
Program Management	A	505			600			731			316		
Engineering Support		142			100			120					
Integrated Logistics Support		153			50			75					
<b>Hardware - CDA</b>													
Commanders Digital Assistant	A	899	300	3	2400	800	3	405	150	3	375	150	3
Model 302C Digital Remotes					3631	1120	3	580	200	3	540	200	3
<b>Hardware - ILWLP</b>													
Integrated Laser White Light Pointer	A	413	300	1	3194	2404	1	4903	3684	1	5993	4503	1
<b>Non-Recurring Production Costs - ILWLP</b>													
Production Engineering	A				333								
<b>Recurring Production Costs - ILWLP</b>													
Program Management	A				152			150			150		
Quality Assurance					61			75			75		
Acceptance Testing					15			15			15		
Engineering Support	A				75			75			75		
Integrated Logistics Support	A				75			75			75		
Safety	A				35			35			35		
Engineering Changes	A				175			100			100		
Fielding	A				104			100			100		
<b>Total</b>		<b>4850</b>			<b>11397</b>			<b>8025</b>			<b>8048</b>		

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

Date:  
February 2003

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>SI - Individual</b>										
FY 2002	ICOM America, Inc Bellevue, WA	GSA Sch	SBCCOM	Jan 02	Feb 02	4622	1	Yes		
FY 2003	ICOM America, Inc Bellevue, WA	GSA Sch	SBCCOM	Dec 02	Jan 03	703	1	Yes		
FY 2004	ICOM America, Inc Bellevue, WA	GSA Sch	SBCCOM	Dec 03	Jan 04	1015	1	Yes		
FY 2005	ICOM America, Inc Bellevue, WA	GSA Sch	SBCCOM	Dec 04	Jan 05	356	1	Yes		
<b>SI - Platoon Support Package</b>										
FY 2002	ICOM America, Inc Bellevue, WA	GSA Sch	SBCCOM	Jan 02	Feb 02	283	0	Yes		
FY 2003	ICOM America, Inc Bellevue, WA	GSA Sch	SBCCOM	Dec 02	Jan 03	22	0	Yes		
FY 2004	ICOM America, Inc Bellevue, WA	GSA Sch	SBCCOM	Dec 03	Jan 04	48	0	Yes		
FY 2005	ICOM America, Inc Bellevue, WA	GSA Sch	SBCCOM	Dec 04	Jan 05	9	0	Yes		
<b>SI - Company Support Package</b>										
FY 2002	ICOM America, Inc Bellevue, WA	GSA Sch	SBCCOM	Jan 02	Feb 02	100	1	Yes		
FY 2003	ICOM America, Inc Bellevue, WA	GSA Sch	SBCCOM	Dec 02	Jan 03	8	1	Yes		
FY 2004	ICOM America, Inc Bellevue, WA	GSA Sch	SBCCOM	Dec 03	Jan 04	16	1	Yes		
FY 2005	ICOM America, Inc Bellevue, WA	GSA Sch	SBCCOM	Dec 04	Jan 05	4	1	Yes		

REMARKS:

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

Date:  
February 2003

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>Integrated Laser White Light Pointer</b>										
FY 2003	TBD	FFP	CECOM	Dec 03	Sept 04	2404	1	No	Aug 03	Dec 03
FY 2004	TBD	FFP	CECOM	Dec 04	Sept 05	3684	1	No		
FY 2005	TBD	FFP	CECOM	Dec 05	Sept 06	4503	1	No		

REMARKS:

FY 02 / 03 BUDGET PRODUCTION SCHEDULE							P-1 Item Nomenclature: SOLDIER ENHANCEMENT PROGRAM COMM/ELECTRONICS (BA5300)												Date: February 2003																		
COST ELEMENTS	M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Fiscal Year 02												Fiscal Year 03												L A T E R						
							Calendar Year 02						Calendar Year 03						Calendar Year 02						Calendar Year 03												
							O C T	N O V	D E C	J A N	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							
SI - Individual																																					
	1	FY 02	A	4622	0	4622				A	247	1095	2420	860											A	203	250	250									
	1	FY 03	A	703	0	703																															
	1	FY 04	A	1015	0	1015																															
	1	FY 05	A	356	0	356																															
SI - Platoon Support Package																																					
	1	FY 02	A	283	0	283				A	40	126	117																								
	1	FY 03	A	22	0	22																			A	11	11										
	1	FY 04	A	48	0	48																															
	1	FY 05	A	9	0	9																															
SI - Company Support Package																																					
	1	FY 02	A	100	0	100				A	23	16	41	20																							
	1	FY 03	A	8	0	8																			A	8											
	1	FY 04	A	16	0	16																															
	1	FY 05	A	4	0	4																															
Integrated Laser White Light Pointer																																					
	3	FY 03	A	2404	0	2404																															
	3	FY 04	A	3684	0	3684																															
	3	FY 05	A	4503	0	4503																															
Total				17777		17777					310	1237	2578	880													222	261	250							12039	
M F R			PRODUCTION RATES																																		
			MIN.	1-8-5	MAX.	REACHED D+	MFR Number							ADMINLEAD TIME																							
														Prior 1 Oct	After 1 Oct																						
3	TBD		2400.00	2800.00	11520.00	2	3	INITIAL						0	1												9	10									
								REORDER						0	1												9	10									
								INITIAL																													
								REORDER																													
								INITIAL																													
								REORDER																													
								INITIAL																													
								REORDER																													







# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	1.4		12.6	11.6	15.4	19.0	16.3	16.6	9.4	9.4		111.7
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	1.4		12.6	11.6	15.4	19.0	16.3	16.6	9.4	9.4		111.7
Initial Spares												
Total Proc Cost	1.4		12.6	11.6	15.4	19.0	16.3	16.6	9.4	9.4		111.7
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The Combat Survivor Evader Locator (CSEL) system is a joint program for a hand-held survival radio that will provide downed aircrew members and Special Operations Forces (SOF) personnel multiple communications capabilities and precision location. The CSEL will replace the AN/PRC-90 and AN/PRC-112 radio that are currently fielded to aviation and SOF units. 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. Army requirements are for approximately 18,531 radios for Force Package (FP) 1-4 aviation and SOF units. A Milestone review was approved in January 02 for LRIP-Lot 2. A LRIP-Lot 3 is scheduled for second quarter FY03 and a Full Rate Production decision is scheduled for FY04.

This system supports the Legacy-to-Objective transition path for the Transformation Campaign Plan (TCP).

**Justification:**

FY04/FY05 funding continues FRP procurement and starts fielding to Force Package 1 SOF units.

Based on current Unit Cost projections- a total of 9,630 units are currently resourced out of a projected AAO of 18,531.

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: COMBAT SURVIVOR EVADER LOCATOR (CSEL) (B03200)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>		<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
ID CD		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Hardware		10442	896	12	9070	750	12	13847	1380	10	17247	1678	10
Engineering Change Orders		227			155			143			199		
Engineering Support		631			744								
System Project Management		795			773			637			687		
Government Engineering		207			179			166			127		
Test		300			150			143			151		
<b>Fielding</b>													
New Equipment Training		30			286			266			311		
Total Package Fielding					200			191			235		
<b>Total</b>		<b>12632</b>			<b>11557</b>			<b>15393</b>			<b>18957</b>		

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

Date:  
February 2003

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

Weapon System Type:

P-1 Line Item No menclature:  
COMBAT SURVIVOR EVADER LOCATOR (CSEL) (B03200)

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Hardware</b>										
FY 2002	Boeing, North America Anaheim, CA	SS/OPT	USAF/Los Angeles AFB	Jun 02	Mar 03	896	12	Y		
FY 2003	Boeing, North America Anaheim, CA	SS/OPT	USAF/Los Angeles AFB	Mar 03	Jan 04	750	12	Y		
FY 2004	Boeing, North America Anaheim, CA	SS/OPT	USAF/Los Angeles AFB	Feb 04	Dec 04	1380	10	Y		
FY 2005	Boeing, North America Anaheim, CA	SS/OPT	USAF/Los Angeles AFB	Feb 05	Dec 05	1678	10	Y		

REMARKS:









# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	22.8	1.6	2.9	4.8	6.6	4.7	10.4	27.3	28.9	22.0		131.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	22.8	1.6	2.9	4.8	6.6	4.7	10.4	27.3	28.9	22.0		131.9
Initial Spares												
Total Proc Cost	22.8	1.6	2.9	4.8	6.6	4.7	10.4	27.3	28.9	22.0		131.9
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

Medical Communications for Combat Casualty Care (MC4) is a capstone program which provides support to the deployable Army medical force structure through the acquisition of existing digital communications equipment and existing/emerging information management/technology capabilities for modular hospital platforms and non-hospital units throughout the wartime theater of operations as well as peace operations, humanitarian assistance and operations in aid of civil authorities. MC4 will also link the Medical Information Systems to the Army Command and Control (C2) and key Combat Service Support structures, which are evolving to support the Army transformation into the future. PM MC4 engineers, acquires, tests and deploys automation infrastructure for Army implementation of the Office of the Assistant Secretary of Defense, Health Affairs managed Joint Theater Medical Information Program (TMIP).

This system supports Legacy -to-Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/05 procures hardware to continue infrastructure deployment to provide TMIP applications to the remainder of the First Digitized Corps (FDC) at Fort Hood, Texas and additional Stryker Brigade Combat Teams (SBCT). MC4 acquires, deploys and integrates automation infrastructure for Army users of the Joint Theater Medical Information Program (TMIP), to include specified warfighting Combatant Commanders.

<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: MEDICAL COMM FOR CBT CASUALTY CARE (MC4) (MA8046)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Digitized Combat Support Hospital Hardware consisting of: Pentium -based desktop workstations and Pentium-based laptops, wireless LAN and equipment, Routers, servers, and printers. Engineer, furnish, install, test, deploy and New Equipment Training (NET) +++++	A				975			3327			3363		
Division/Corps Support Slice and SBCT Hardware consisting of: Pentium -based desktop workstations and Pentium-based laptops, wireless LAN and equipment, hand-held radios, routers and servers. Engineer, furnish, inst all, test, deploy and New Equipment Training (NET)	A	2859			3865			3275			1334		
<b>Total</b>		<b>2859</b>			<b>4840</b>			<b>6602</b>			<b>4697</b>		

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Digitized Combat Support Hospital</b>										
FY 2002	Dell Computer Corp Round Rock, TX	C/FP	CAC-W	MAR-02	APR-02			YES		
FY 2002	Compaq Computer Corp Houston, TX	C/FP	CAC-W	MAR-02	APR-02			YES		
FY 2003	TBS	C/FP	CAC-W	TBD	TBD			YES		
FY 2004	TBS	C/FP	ITEC-4	TBD	TBD			YES		
FY 2005	TBS	C/FP	ITEC-4	TBD	TBD			YES		
<b>Division/Corps Support Slice and SBCT</b>										
FY 2002	Medical Comms Systems Old Bridge, NJ	C/FP	CAC-W	MAR-02	APR-02			YES		
FY 2002	Symbol Technologies Inc. Holtsville, NY	C/FP	CAC-W	JAN-02	APR-02			YES		
FY 2003	GTSI Chantilly, VA	C/FP	ITEC-4	DEC-02	JAN-03			YES		
FY 2004	TBS	C/FP	ITEC-4	TBD	TBD			YES		
FY 2005	TBS	C/FP	ITEC-4	TBD	TBD			YES		

REMARKS: CAC-W - Communication and Electronics Command (CECOM) Acquisition Center - Washington  
ITEC-4 - Information Technology E-Commerce and Commercial Contracting Center

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature CI AUTOMATION ARCHITECTURE (BK5284)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	8.5	1.2	1.6	1.7	1.2	1.3	1.3	1.4	1.4	1.4		21.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	8.5	1.2	1.6	1.7	1.2	1.3	1.3	1.4	1.4	1.4		21.1
Initial Spares												
Total Proc Cost	8.5	1.2	1.6	1.7	1.2	1.3	1.3	1.4	1.4	1.4		21.1
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

This program provides the Army, as a member of the DoD counterintelligence 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.

**Justification:**

FY04/05 supports the development and recapitalization of the Defense Counterintelligence Information System (DCIIS). Funds will procure 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 and at major subordinate command levels. Funds will provide capabilities at 21 large sites, 52 medium sites and 253 small sites in support of Echelons Above Corps (EAC) and Echelons at Corps and Below (ECB) organizations employment of DCIIS.

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature TSEC - ARMY KEY MGT SYS (AKMS) (BA1201)
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Program Elements for Code B Items: 0303140A	Code: A	Other Related Program Elements: Z16800 Battlefield Electronics Communications System (BECS)
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	40.7	10.9	12.1	9.9	2.7	2.9	3.1	3.2	3.2	3.3		91.9
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	40.7	10.9	12.1	9.9	2.7	2.9	3.1	3.2	3.2	3.3		91.9
Initial Spares												
Total Proc Cost	40.7	10.9	12.1	9.9	2.7	2.9	3.1	3.2	3.2	3.3		91.9
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

Army Key Management System (AKMS) is the Army's system to automate the functions of Communications Security (COMSEC) key management control and distribution, Electronic Counter-Countermeasures (ECCM) generation and distribution and Signal Operation Instructions (SOI) management. AKMS will electronically generate and distribute Army key and key-related material, thereby limiting adversarial access to, and reducing the vulnerability of, Army C4I systems. It provides key management to communications and network planning. Direction was provided in FY98 to separate the Local COMSEC Management Software (LCMS) from the Automated Communications Engineering System (ACES). LCMS is the COMSEC accounting and generation software and ACES is the network planning software. 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 will provide enhanced automated functions of net/cryptonet management and engineering, Signal Operating Instructions and Electronic Protection. The Data Transfer Device (DTD) moves the ACES/LCMS data to End Crypto Units (ECUs). The 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). AKMS is part of the management/support infrastructure for the Area Common User System (ACUS) program, which provides critical functions for supporting Army's transformation.

This system supports the Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/05 procures SKL/DTD, continues the fielding of the SKL and provides for the associated government and contractor engineering support and training. The SKL will be utilized to perform all Tier Three functions of EKMS.

<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 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Software Integration		4879											
Simple Key Loader Host					4098	3152	1.300	859	649	1.324	958	711	1.347
Simple Key Loader Card					1576	3152	0.500	330	649	0.508	369	711	0.519
Gov't Engineering		855			873			263			271		
Contractor Engineering		865			791			350			357		
Fielding/NET Legacy Systems		4452			1462			400			400		
Software Upgrade		1067			575			500			500		
Test					500								
<b>Total</b>		<b>12118</b>			<b>9875</b>			<b>2702</b>			<b>2855</b>		

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

Date:  
February 2003

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 Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Simple Key Loader Host</b>										
FY 2003	TBS	C/IDIQ	GSA	Mar-03	Jan-04	3152	1.300	Yes		
FY 2004	TBS	C/IDIQ	GSA	Mar-04	Jan-05	649	1.324	Yes		
FY 2005	TBS	C/IDIQ	GSA	Mar-05	Jan-06	711	1.347	Yes		
<b>Simple Key Loader Card</b>										
FY 2003	SYPRIS TAMPA, FL	S/FFP	NSA	Mar-03	Jan-04	3152	0.500	Yes		
FY 2004	SYPRIS TAMPA, FL	OPT/FFP	NSA	Mar-04	Jan-05	649	0.508	Yes		
FY 2005	TBS	C/FFP	NSA	Mar-05	Jan-06	711	0.519	Yes		

REMARKS: The above equipment is Commercial-Off-The-Shelf (COTS)

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	205.5	62.4	67.6	64.9	124.4	118.8	77.6	61.1	53.1	53.2		888.6
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	205.5	62.4	67.6	64.9	124.4	118.8	77.6	61.1	53.1	53.2		888.6
Initial Spares												
Total Proc Cost	205.5	62.4	67.6	64.9	124.4	118.8	77.6	61.1	53.1	53.2		888.6
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

Funds the Army's Information Systems Security (INFOSEC) Program (ISSP). Provides communication security (COMSEC), biometrics, crypto security, transmission security, emission security, computer security, information assurance and equipment and products as a means for protecting telecommunications and information systems which process classified, mission sensitive, national security, and related sensitive information. Acquires for tactical and sustaining based, password access management Information and Information based systems transformation technology, which is biometrically based in accordance with technology specifications and requirements and preferred products from the Department of Defense Biometrics Management Office. Prevents exploitation through intercept, unauthorized electronic access, or related technical intelligence threats. Ensures authenticity, integrity, protection and availability of information transmitted by information and communication systems. These systems support the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

The FY 04/05 budget procures Network Security, In-Line Encryptors, and High Assurance Guards to secure Army's portion of the Defense Information Infrastructure. Tactical-Secure Terminal Equipment (T-STE) to provide INFOSEC transparent to the soldier and solutions for TOP SECRET/Special Intelligence subscribers to echelons above and below corps communication systems to resolve problems of secure interface of strategic, tactical, and commercial communication systems as identified by the Joint Staff (J6) in the Multiservice Communications Electronics Board (MCEB) in August 1993/March 1996. Link Encryptors secure systems used for intelligence gathering and video teleconferencing. Trunk Encryptors provide digital data encryption for large robust data connections. The Assistant Secretary of Defense for Command and Control, Communications and Intelligence (C3I) sent a memorandum, dated 3 Feb 01, and directed the Services to implement an aggressive Cryptographic Modernization Program. It is imperative that Army COMSEC inventory and associated Key Management/Public Key Infrastructure be modernized to avert catastrophic susceptibility/threat to information security due to many of these devices having hard-wired cryptographic algorithms that are obsolete or nearing the end of their useful life. In addition the legacy inventory is becoming logistically non-supportable. This presents unacceptable "vulnerability" and substantial risk to operational and national security. The Top Level Architecture (Secure) equipment provides boundary defenses for unprotected systems within the Army enclave. Ensures an acceptable level of availability by defending against denial of service attacks. Provides gateway protection/detection capability. Enables rapid detection of and response to intrusions. Defends against unauthorized modification or disclosure of data. Ensures that physical and logical enclaves are adequately protected. Provides new equipment training, first destination transportation, and consumable parts for total package fieldings.



<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 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
IN-LINE ENCRYPTOR	A				2650	265	10						
IN-LINE ENCRYPTOR					8393	508	17	16461	1028	16	4068	250	16
IN-LINE ENCRYPTORS UPGRADE		4556			160								
LINK ENCRYPTORS	A	3000	826	4	800	203	4	8000	2000	4	1800	450	4
SECURE TERMINAL EQUIPMENT	A	5841	1537	4	4000	971	4	40480	10120	4	47984	11996	4
SECURE TERMINAL UPGRADE		3250			158			7670					
SECURE TERMINAL EQUIPMENT HAND HELD	A	6462	2500	3	4820	1929	2	4528	1811	3	1250	500	3
SECURE TERMINAL SWITCH					2598	5	520						
SECURE WIRELINE TERMINALS	A	1600	1000	2	450	265	2	3000	1500	2	1500	750	2
TRUNK ENCRYPTORS	A							9750	2166	5	10971	2438	5
KEY MANAGEMENT INFRASTRUCTURE	A	1233											
DATA TRANSFER DEVICE	A							5250	2500	2			
DATA TRANSFER DEVICE UPGRADE		2250											
IDENTIFICATION FRIEND OR FOE											1700	340	5
CTIC/CDH											1506	753	2
TACTICAL KEY GENERATOR											1750	35	50
TACTICAL SECURE TERMINAL											1312	328	4
FIELDING	A	4616			4482			13156			16466		
TOP LEVEL ARCHITECTURE (SECURE)		5181			5800			5903			21536		
NATIONAL GUARD STE					6964	1840	4						
NATIONAL GUARD NETWORK SECURITY					8233								
BIOMETRICS		8938			12341			4965			1462		
PKI Smart Card Reader	A	5100	214754	0									
PKI Smart Card Reader Middleware	A	1600	160345	0									
PKI Smart Card Reader Installation	A	1618	80900	0									
PKI Fielding and Training	A	5521											
PKI CAC Pin Reset	A	975											
PKI Portable Rapids Workstations	A	4244											
PKI Common Access Card (CAC)	A	1566			3099			5256			5488		
-----													
<b>Total</b>		<b>67551</b>			<b>64948</b>			<b>124419</b>			<b>118793</b>		

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>IN-LINE ENCRYPTOR</b>										
FY 2003	GENERAL DYNAMICS NEEDHAM MA	IDIQ	NSA, FT MEADE, MD	JAN 03	JAN 04	265	10	YES		
FY 2004	GENERAL DYNAMICS NEEDHAM MA	IDIQ	NSA, FT MEADE, MD	JAN 04	JAN 05			YES		
FY 2005	GENERAL DYNAMICS NEEDHAM MA	IDIQ	NSA, FT MEADE, MD	JAN 05	JAN 06			YES		
<b>IN-LINE ENCRYPTOR</b>										
FY 2003	GENERAL DYNAMICS NEEDHAM MA	IDIQ	NSA, FT MEADE, MD	JAN 03	JAN 04	508	17	YES		
FY 2004	GENERAL DYNAMICS NEEDHAM MA	IDIQ	NSA, FT MEADE, MD	JAN 04	JAN 05	1028	16	YES		
FY 2005	GENERAL DYNAMICS NEEDHAM MA	IDIQ	NSA, FT MEADE, MD	JAN05	JAN 06	250	16	YES		
<b>LINK ENCRYPTORS</b>										
FY 2002	MYKOTRONX, INC TORRANCE, CA	IDIQ	NSA, FT MEADE, MD	JAN 02	JAN 03	826	4	YES		
FY 2003	MYKOTRONX, INC TORRANCE, CA	IDIQ	NSA, FT MEADE, MD	JAN 03	JAN 04	203	4	YES		
FY 2004	MYKOTRONX, INC TORRANCE, CA	IDIQ	NSA, FT MEADE, MD	JAN 04	JAN 05	2000	4	YES		
FY 2005	MYKOTRONX, INC TORRANCE, CA	IDIQ	NSA, FT MEADE, MD	JAN 05	JAN 06	450	4	YES		
<b>SECURE TERMINAL EQUIPMENT</b>										
FY 2002	L3 CAMDEN, NJ	IDIQ	NSA, FT MEADE, MD	JAN 02	JAN 03	1537	4	YES		

REMARKS: IDIQ = INDEFINITE DELIVERY INDEFINITE QUANTITY  
NSA = NATIONAL SECURITY AGENCY  
BPA = BLANKET PURCHASE AGREEMENT  
CECOM = U.S. ARMY COMMUNICATIONS-ELECTRONICS COMMAND

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2003	L3 CAMDEN, NJ	IDIQ	NSA, FT MEADE, MD	JAN 03	JAN 04	971	4	YES		
FY 2004	L3 CAMDEN, NJ	IDIQ	NSA, FT MEADE, MD	JAN 04	JAN 05	10120	4	YES		
FY 2005	L3 CAMDEN, NJ	IDIQ	NSA, FT MEADE, MD	JAN 05	JAN 06	11996	4	YES		
<b>SECURE TERMINAL EQUIPMENT HAND HELD</b>										
FY 2002	GENERAL DYNAMICS NEEDHAM MA	IDIQ	NSA, FT MEADE, MD	AUG 02	AUG 03	2500	3	YES		
FY 2002	QUALCOM San Diego, CA	IDIQ	NSA, FT MEADE, MD	AUG 02	JAN 03			YES		
FY 2003	GENERAL DYNAMICS NEEDHAM MA	IDIQ	NSA, FT MEADE, MD	JAN 03	JAN 04	1929	2	YES		
FY 2004	GENERAL DYNAMICS NEEDHAM MA	IDIQ	NSA, FT MEADE, MD	JAN 04	JAN 05	1811	3	YES		
FY 2004	QUALCOM San Diego, CA	IDIQ	NSA, FT MEADE, MD	JAN 04	JUN 05			YES		
FY 2005	GENERAL DYNAMICS NEEDHAM MA	IDIQ	NSA, FT MEADE, MD	JAN 05	JAN 06	500	3	YES		
FY 2005	QUALCOM San Diego, CA	IDIQ	NSA, FT MEADE, MD	JAN 05	JUN 05			YES		
<b>SECURE TERMINAL SWITCH</b>										
FY 2003	TELOS TECH SANTA CLARA, CA	IDIQ	NSA, FT MEADE,MD	JAN 03	JAN 04	5	520	YES		
<b>SECURE WIRELINE TERMINALS</b>										
FY 2002	GENERAL DYNAMICS NEEDHAM MA	IDIQ	NSA, FT MEADE, MD	AUG 02	AUG 03	1000	2	YES		

REMARKS: IDIQ = INDEFINITE DELIVERY INDEFINITE QUANTITY  
NSA = NATIONAL SECURITY AGENCY  
BPA = BLANKET PURCHASE AGREEMENT  
CECOM = U.S. ARMY COMMUNICATIONS-ELECTRONICS COMMAND

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2003	GENERAL DYNAMICS NEEDHAM MA	IDIQ	NSA, FT MEADE, MD	JAN 03	JAN 04	265	2	YES		
FY 2004	L3 CAMDEN, NJ	IDIQ	NSA, FT MEADE, MD	JAN 04	JAN 05			YES		
FY 2004	GENERAL DYNAMICS NEEDHAM MA	IDIQ	NSA, FT MEADE, MD	JAN 04	JAN 05	1500	2	YES		
FY 2005	GENERAL DYNAMICS NEEDHAM MA	IDIQ	NSA, FT MEADE, MD	JAN 05	JAN 06	750	2	YES		
<b>TRUNK ENCRYPTORS</b>										
FY 2004	GROUP TECHNOLOGIES CORP TAMPA, FL	IDIQ	NSA, FT MEADE, MD	JAN 04	JUN 04	2166	5	YES		
FY 2005	GROUP TECHNOLOGIES CORP TAMPA, FL	IDIQ	NSA, FT MEADE, MD	JAN 05	JUN 05	2438	5	YES		
<b>DATA TRANSFER DEVICE</b>										
FY 2004	COMSEC Utility Program NSA Fort Meade, MD	IDIQ	NSA, FT MEADE, MD	JAN 04	JAN 05	2500	2	YES		
<b>NATIONAL GUARD STE</b>										
FY 2003	L3 CAMDEN, NJ	IDIQ	NSA, FT MEADE, MD	JAN 03	JAN 04	1840	4	YES		

REMARKS: IDIQ = INDEFINITE DELIVERY INDEFINITE QUANTITY  
 NSA = NATIONAL SECURITY AGENCY  
 BPA = BLANKET PURCHASE AGREEMENT  
 CECOM = U.S. ARMY COMMUNICATIONS-ELECTRONICS COMMAND















<b>FY 07 / 08 BUDGET PRODUCTION SCHEDULE</b>	P-1 Item Nomenclature: INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)	Date: February 2003
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COST ELEMENTS	M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Fiscal Year 07												Fiscal Year 08												L A T E R
							Calendar Year 07												Calendar Year 08												
							O	N	D	J	F	M	A	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	
C	O	E	A	E	A	P	A	U	U	A	S	O	O	E	A	E	A	P	A	U	U	A	S								
T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	Y	N	L	G	P									
IN-LINE ENCRYPTOR																															
	1	FY 03	A	265	265	0																									
IN-LINE ENCRYPTOR																															
	1	FY 03	A	508	508	0																									
	1	FY 04	A	1028	765	263	87	87	89																						
	1	FY 05	A	250	0	250																									
LINK ENCRYPTORS																															
	2	FY 02	A	826	826	0																									
	2	FY 03	A	203	203	0																									
	2	FY 04	A	2000	1670	330	110	110	110																						
	2	FY 05	A	450	0	450																									
SECURE TERMINAL EQUIPMENT																															
	3	FY 02	A	1537	1537	0																									
	3	FY 03	A	971	971	0																									
	3	FY 04	A	10120	9000	1120	1000	100	20																						
	3	FY 05	A	11996	0	11996																									
SECURE TERMINAL EQUIPMENT HAND HELD																															
	1	FY 02	A	2500	2500	0																									
	5	FY 02	A	0	0	0																									

M F R	NAME/LOCATION	PRODUCTION RATES				REACHED D+	MFR Number	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS		
		MIN.	1-8-5	MAX.	D+			INITIAL	REORDER				Prior 1 Oct	After 1 Oct
1	GENERAL DYNAMICS, NEEDHAM MA	10.00	500.00	1000.00	6	1	INITIAL	0	3	12	15	THESE ARE MULTISERVICE CONTRACTS WITH MULTIPLE DELIVERIES TO EACH DEPARTMENT OF DEFENSE AGENCY.		
2	MYKOTRONX, INC, TORRANCE, CA	10.00	500.00	1000.00	6	2	INITIAL	0	3	12	15			
3	L3, CAMDEN, NJ	10.00	1000.00	1500.00	6	2	REORDER	0	3	12	15			
4	GROUP TECHNOLOGIES CORP, TAMPA, FL	10.00	500.00	1000.00	6	3	INITIAL	0	3	12	15			
5	QUALCOM, San Diego, CA	10.00	250.00	500.00	6	3	REORDER	0	3	12	15			
6	COMSEC Utility Program, NSA Fort Meade, MD	10.00	500.00	1000.00	6	4	INITIAL	0	3	6	9			
7	TELOS TECH, SANTA CLARA, CA	5.00	1.00	10.00	0	4	REORDER	0	3	6	9			
						5	INITIAL	0	3	6	9			
						5	REORDER	0	3	6	9			
						6		0	3	12	15			
								0	3	12	15			
								0	1	3	4			
								0	1	3	4			





# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	57.3	2.0	2.0	2.0	10.3	13.7	6.8	7.2	2.1	2.1		105.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	57.3	2.0	2.0	2.0	10.3	13.7	6.8	7.2	2.1	2.1		105.6
Initial Spares												
Total Proc Cost	57.3	2.0	2.0	2.0	10.3	13.7	6.8	7.2	2.1	2.1		105.6
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

This program is a component of the Army's seamless Enterprise Network that provides 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 theater Combatant Commanders require a robust infrastructure that will facilitate mobilization and sustainment of a deployed force.

**Justification:**

FY04/05 procures on-going Project Management and engineering efforts to accomplish the Army unique requirements as defined by European Command (EUCOM) initiatives. 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. FY04 begins the upgrade of power, timing and alarm systems for the European Transmission Systems.

FY04/05 procures the continuation of the Korean Optical Backbone Replacement program initiated by US Forces Korea. This will replace the existing 420-mile, 13-link fiber optic cable plant with technically advanced fiber optic cable. The Korean Digital Microwave Upgrade will continue with the upgrade of 10 Microwave Links. FY05 will begin the effort to replace the existing AN/FCC-98 multiplex units in Korea; 70 of the required 140 will be replaced. Continuing the Okinawa Microwave Upgrade, FY04/05 procures and installs the bulk encryption for all the radio links as well as the fiber optic links mandated by Pacific Command (PACOM) Directive.

<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 2003			
<b>OPA2 Cost Elements</b>		ID	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
TERRESTRIAL TRANSMISSION EUROPE			1007			979			981			976		
TERRESTRIAL TRANSMISSION PACIFIC			1017			1007			9351			12693		
<b>Total</b>			<b>2024</b>			<b>1986</b>			<b>10332</b>			<b>13669</b>		

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature TERRESTRIAL TRANSMISSION (BU2000)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	21.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		30.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	21.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		30.1
Initial Spares												
Total Proc Cost	21.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		30.1
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

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

The Digital European Backbone (DEB) Programs realign the DISN in Europe to comply with mandates of the Conventional Forces, 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) and bulk encryption.

**Justification:**

FY04/05 procures on-going Project Management and engineering efforts to accomplish the Army unique requirements as defined by European Command (EUCOM) initiatives. The objective is an integrated, survivable network that provides voice, data messaging, video and transmission services to the warfighter through the application of technology such as ATM, SONET, bulk encryption and network management systems. FY04 begins the upgrade of power, timing and alarm systems for the European Transmission Systems.



# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	36.1	1.0	1.0	1.0	9.4	12.7	5.9	6.3	1.1	1.1		75.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	36.1	1.0	1.0	1.0	9.4	12.7	5.9	6.3	1.1	1.1		75.5
Initial Spares												
Total Proc Cost	36.1	1.0	1.0	1.0	9.4	12.7	5.9	6.3	1.1	1.1		75.5
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

This program is to modernize the information 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 objective is an integrated survivable network that provides voice, data, messaging, video and transmission services to the warfighter through the application of emerging technologies.

**Justification:**

FY04/05 procures the continuation of the Korean Optical Backbone Replacement program initiated by US Forces Korea. This will replace the existing 420-mile, 13-link fiber optic cable plant with technically advanced fiber optic cable. The Korean Digital Microwave Upgrade will continue with the upgrade of 10 Microwave Links. FY 05 will begin the effort to replace the existing AN/FCC-98 multiplex units in Korea; 70 of the required 140 will be replaced. Continuing the Okinawa Microwave Upgrade, FY04/05 procures and installs the bulk encryption for all the radio links as well as the fiber optic links mandated by PACOM Directive.

<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 PACIFIC (BU2100)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>HARDWARE:</b>													
Okinawa Digital Microwave Equipment		532	1	532	50	1	50						
Okinawa Digital Microwave Crypto Equip								2100	10	210	2700	10	270
Korean Digital Microwave PH5 Upgrade								1400	4	350	1839	6	307
Korean Digital Microwave PH6 Upgrade											864	1	864
Okinawa Teltronic Systems					450	15	30						
Okinawa Fiber Optic Cable Replacement								131	3	44	250	3	83
Korean Fiber Optic Cable Replacement								1106	1	1106	670	1	670
Korean Optical Transport Network Equip								1874	12	156	87	1	87
AN/FCC-98 Replacement-Korea Equip											1000	70	14
<b>SITE PREP/SURVEYS:</b>													
Okinawa Digital Microwave Site Prep/Surv					150			150					
Korean Digital Micro Upgrade Site Prep					50						200		
Okinawa Fiber Optic Cable Replacement					127			300					
Korean Fiber Optic Cable Replacement								200			100		
Korean Optical Transport Network Site								100					
AN/FCC-98 Replacement-Korea Site Survey											250		
Program Management Administration		180			180			350			375		
<b>NON-RECURRING ENGINEERING:</b>													
Korean Digital Microwave Upgrade Site											1000		
<b>INSTALLATIONS:</b>													
Okinawa Digital Microwave Installation		305						150			250		
Korean Digital Microwave Upgrade											1721		
Okinawa Fiber Optic Cable Replacement											187		
Korean Fiber Optic Cable Replacement								1390			1000		
Korean Fiber Optic Transport Install								100			200		
<b>Total</b>		<b>1017</b>			<b>1007</b>			<b>9351</b>			<b>12693</b>		

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Okinawa Digital Microwave Equipment</b> FY 2002	Alcatel Richardson, TX	GSA Sch	Alexandria, VA	Feb-02	Mar-02	1	532	Yes		
FY 2003	GSA	GSA Sch	CECOM	Dec-02	Dec-02	1	50			
<b>Okinawa Digital Microwave Crypto Equip</b> FY 2004	To Be Selected	GSA Sch		Jan-04	Apr-04	10	210	Yes		
FY 2005	To Be Selected	GSA Sch		Jan-05	Apr-05	10	270	Yes		
<b>Korean Digital Microwave PH5 Upgrade</b> FY 2004	To Be Selected			Jan-04	Apr-05	4	350	Yes		
FY 2005	To Be Selected			Jan-05	Apr-05	6	307	Yes		
<b>Okinawa Teltronic Systems</b> FY 2003	To Be Selected	GSA Sch	CECOM			15	30	Yes		
<b>Okinawa Fiber Optic Cable Replacement</b> FY 2004	To Be Selected	GSA Sch	CECOM	Jan-04	Feb-04	3	44	Yes		
FY 2005	To Be Selected	GSA Sch	CECOM	Jan-05	Feb-05	3	83	Yes		
<b>Korean Fiber Optic Cable Replacement</b>										

REMARKS:

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2004	TBD	GSA Sch	CECOM	Feb-04	Apr-04	1	1106	Yes		
FY 2005	TBD	GSA Sch	CECOM	Feb-05	Apr-05	1	670	Yes		
<b>Korean Optical Transport Network Equip</b>										
FY 2004	To Be Selected			Jan-04	Apr-04	12	156	Yes		
FY 2005	To Be Selected			Jan-05	Feb-05	1	87	Yes		
<b>AN/FCC-98 Replacement-Korea Equip</b>										
FY 2005	To Be Selected					70	14	Yes		

REMARKS:

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	169.8	4.7	13.3	45.2	46.8	40.9	35.1	34.0	34.6	35.3		459.7
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	169.8	4.7	13.3	45.2	46.8	40.9	35.1	34.0	34.6	35.3		459.7
Initial Spares												
Total Proc Cost	169.8	4.7	13.3	45.2	46.8	40.9	35.1	34.0	34.6	35.3		459.7
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

This program funds Army-wide requirements for base support radio systems and Test, Measurement and Diagnostic Equipment (TMDE) for the Network Enterprise Technology Command (NETCOM). Base support radios are used by installation military police, fire departments, medical personnel, and other emergency response activities to coordinate and support emergency response efforts and for critical communications support during mobilization, deployment, and split-based operations. Base support radio systems will permit users to share frequencies, thus conserving scarce radio spectra and also provide secure voice/data transmission and access to local telephone systems from portable hand-held radios. Army non-tactical trunked radios are Commercial Land Mobile Radio (LMR) systems that provide mobile/portable radio support to garrison safety, force protection, and facilities maintenance operations. This equipment must be compatible with state and local fire protection and law enforcement organizations. 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 band frequency. Law enforcement, security, and other base functions would be greatly constrained without adequate communications capability. This program also supports the phased replacement of obsolete, nonsupportable TMDE and interim mission support for command, control, communications and computers worldwide. The NETCOM TMDE inventory consists of general purpose and special purpose test equipment. Additionally, long lead times for acquisition of new TMDE results in this program supporting interim acquisition of special purpose TMDE to satisfy mission requirements. Densities of TMDE supported by this program are determined by Defense Information Systems Agency (DISA) standards and maintenance support plans for information systems.

**Justification:**

FY04/05 procures upgrades and replacement base support radio systems that are critical to public safety and force protection missions and also procures program management for the radio systems. Army has designated a centralized management office to ensure non-negotiable NTIA deadlines are met both within Continental US (CONUS) and overseas. FY04/05 also procures replacement TMDE, which include spectrum analyzers, transmission test sets, communication analyzers, protocol analyzers, category 5/6 local area network cable test sets, fiber optic cable analyzers, fiber optic test sets, integrated services digital network testers, optical time domain reflectometers, asynchronous transfer mode broadband test systems, cable fault locators, earth ground test sets, power analyzer/monitor ups, power meters, video teleconference multimedia test systems and interim support of authorized special test equipment. These funds will replenish and rebuild expensive, unique test equipment identified as non-repairable through standard Army maintenance systems. All procurements are designed to satisfy mission requirements and equipment shortages based on critical need and the five-year TMDE Acquisition Plan. Equipment will be distributed to NETCOM units and will enable NETCOM to continue to meet the required 99.9% availability rate for all communication systems 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: BASE SUPPORT COMMUNICATIONS (BU4160)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
. Test Measurement and Diagnostic Equipment (TMDE) Replacement/Quality Assurance TMDE . . .	A	1455			1500			1500			1500		
. Commercial Land Mobile Radio Systems and program management Army Wide . . .	A	10279			43664			45335			39370		
. Deployable Data Communications Packages Hardware/Software . . .	A	1525											
<b>Total</b>		<b>13259</b>			<b>45164</b>			<b>46835</b>			<b>40870</b>		

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
. <b>Test Measurement and Diagnostic Equipment (TMDE) Replacement/Quality Assurance TMDE</b>										
FY 2002	Tucker Electronics Co. Garland, TX	C/FP	CECOM, Ft Huachuca, AZ	VAR	VAR			YES	NO	
FY 2002	Acterna, LLC Germantown, MD	C/FP	CECOM, Ft Huachuca, AZ	VAR	VAR			YES	NO	
FY 2002	Agilent Technologies Englewood, CO	C/FP	CECOM, Ft Huachuca, AZ	DEC 01	DEC 01			YES	NO	
FY 2002	Communications Supply Corp. Tukwila, WA	C/FP	CECOM, Ft Huachuca, AZ	DEC 01	DEC 01			YES	NO	
FY 2002	Delta Information Systems, Inc Horsham, PA	C/FP	CECOM, Ft Huachuca, AZ	DEC 01	JAN 02			YES	NO	
FY 2003	TBS	C/FP	CECOM, Ft Huachuca, AZ	VAR	VAR			YES	NO	
FY 2004	TBS	C/FP	CECOM, Ft Huachuca, AZ	VAR	VAR			YES	NO	
FY 2005	TBS	C/FP	CECOM, Ft Huachuca, AZ	VAR	VAR			YES	NO	
. . .										

REMARKS: All quantities and unit cost vary by configuration and site.  
 ACA - Army Contracting Agency  
 CECOM - Communications Electronics Command  
 DOC - Director of Contracting  
 ITEC4 - Information Technology E-Commerce and Commercial Contracting Center  
 VAR - Multiple contracts awarded/delivered throughout the year.

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Commercial Land Mobile Radio Systems</b>										
FY 2002	Motorola Hanover, MD	C/FP	DOC, West Point, NY	VAR	VAR			YES	NO	
FY 2002	Booze Allen Hamilton Inc. Fairfax, VA	C/FP	CECOM, Ft Monmouth, NJ	VAR	VAR			YES	NO	
FY 2002	E.F. Johnson Waseca, MN	C/FP	CECOM, Ft Monmouth, NJ	VAR	VAR			YES	NO	
FY 2002	Engineered Systems Inc. Omaha, NE	C/FP	CECOM, Ft Monmouth, NJ	VAR	VAR			YES	NO	
FY 2002	M/A COM Inc. Lowell, MA	C/FP	CECOM, Ft Monmouth, NJ	VAR	VAR			YES	NO	
FY 2002	M/A COM Public Radio Systems Lynchburg, VA	C/FP	CECOM, Ft Monmouth, NJ	VAR	VAR			YES	NO	
FY 2002	Motorola Hanover, MD	C/FP	CECOM, Ft Monmouth, NJ	VAR	VAR			YES	NO	
FY 2003	TBS	C/FP	ACA/ITEC4, Ft. Belvoir, VA	VAR	VAR			YES	NO	
FY 2004	TBS	C/FP	ACA/ITEC4, Ft. Belvoir, VA	VAR	VAR			YES	NO	
FY 2005	TBS	C/FP	ACA/ITEC4, Ft. Belvoir, VA	VAR	VAR			YES	NO	
.										
<b>Deployable Data Communications Packages</b>										
<b>Hardware/Software</b>										
FY 2002	Forgent Austin, TX	C/FP	CECOM, Ft Huachuca, AZ	JAN 02	FEB 02			YES	NO	

REMARKS: All quantities and unit cost vary by configuration and site.  
 ACA - Army Contracting Agency  
 CECOM - Communications Electronics Command  
 DOC - Director of Contracting  
 ITEC4 - Information Technology E-Commerce and Commercial Contracting Center  
 VAR - Multiple contracts awarded/delivered throughout the year.



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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2002	Hardigg South Deerfield, MA	C/FP	CECOM, Ft Huachuca, AZ	FEB 02	MAR 02			YES	NO	
FY 2002	Red River Computer Lebanon, NH	C/FP	CECOM, Ft Huachuca, AZ	FEB 02	MAR 02			YES	NO	
FY 2002	Compaq Computer Corp. Houston, TX	C/FP	CECOM, Ft Huachuca, AZ	FEB 02	APR 02			YES	NO	
FY 2002	R&R Limited Independence, MO	C/FP	CECOM, Ft Huachuca, AZ	FEB 02	MAR 02			YES	NO	
FY 2002	CDW Government Inc. Vernon Hills, IL	C/FP	CECOM, Ft Huachuca, AZ	FEB 02	MAR 02			YES	NO	
FY 2002	Network Technologies Aurora, OH	C/FP	CECOM, Ft Huachuca, AZ	FEB 02	MAR 02			YES	NO	
FY 2002	Leasing Technologies Reston, VA	C/FP	CECOM, Ft Huachuca, AZ	FEB 02	FEB 02			YES	NO	
FY 2002	IGOV.COM McLean, VA	C/FP	CECOM, Ft Huachuca, AZ	FEB 02	MAR 02			YES	NO	
FY 2002	Titan Systems Corp Hanover, MD	C/FP	CECOM, Ft Huachuca, AZ	FEB 02	MAR 02			YES	NO	
FY 2002	Ryaim International San Jose, CA	C/FP	CECOM, Ft Huachuca, AZ	FEB 02	MAR 02			YES	NO	
FY 2002	Connect-Tel, Inc Long Island City, NY	C/FP	CECOM, Ft Huachuca, AZ	FEB 02	MAR 02			YES	NO	
FY 2002	Internet Security Systems Atlanta, GA	C/FP	CECOM, Ft Huachuca, AZ	FEB 02	MAR 02			YES	NO	
FY 2002	Susquehanna Wire Corp New Cumberland, PA	C/FP	CECOM, Ft Huachuca, AZ	FEB 02	APR 02			YES	NO	
FY 2002	GTSI Government Tech Chantilly, VA	C/FP	CECOM, Ft Huachuca, AZ	FEB 02	MAY 02			YES	NO	
FY 2002	Pacific Star Communications Portland, OR	C/FP	CECOM, Ft Huachuca, AZ	MAR 02	APR 02			YES	NO	

REMARKS: All quantities and unit cost vary by configuration and site.  
 ACA - Army Contracting Agency  
 CECOM - Communications Electronics Command  
 DOC - Director of Contracting  
 ITEC4 - Information Technology E-Commerce and Commercial Contracting Center  
 VAR - Multiple contracts awarded/delivered throughout the year.

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2002	Sypris Electronics Tampa, FL	C/FP	CECOM, Ft Meade, MD	SEP 02	OCT 02			YES	NO	
FY 2002	Mykotronx Inc Torrance, CA	C/FP	CECOM, Ft Meade, MD	SEP 02	OCT 02			YES	NO	
FY 2002	Datapath Inc Alpharetta, GA	C/FP	CECOM, Ft Monmouth, NJ	SEP 02	OCT 02			YES	NO	

REMARKS: All quantities and unit cost vary by configuration and site.  
 ACA - Army Contracting Agency  
 CECOM - Communications Electronics Command  
 DOC - Director of Contracting  
 ITEC4 - Information Technology E-Commerce and Commercial Contracting Center  
 VAR - Multiple contracts awarded/delivered throughout the year.

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature ARMY DISN ROUTER (BU0300)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	59.3	4.2	5.9	5.9	6.0	6.2	6.3	6.4	6.5	6.7		113.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	59.3	4.2	5.9	5.9	6.0	6.2	6.3	6.4	6.5	6.7		113.4
Initial Spares												
Total Proc Cost	59.3	4.2	5.9	5.9	6.0	6.2	6.3	6.4	6.5	6.7		113.4
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The Army Defense Information System Network (DISN) Router Program (ADRP) provides the hub for the site networking connections and the connection to the Top Level Architecture (TLA). These connections include Army host computers, servers, Local Area Networks (LANs), and Campus Area Networks (CANs) to the TLA. The ADRP includes the acquisition of routers and switches for direct connections, access servers and modems for dial-in connections. Program acquisition also includes testing, installation, Installation Bill of Materials (IBOM), warranty and training. The ADRP equipment is upgradable to satisfy future Army, DoD, and industry standards and is an integral part of the Installation Information Infrastructure Modernization Program (I3MP) initiative.

**Justification:**

FY 04/05 procures routers, cache engines, port expansions, switches and access servers (and upgrades to existing switches and access servers) to meet emerging program requirements in support of I3MP.

<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 DISN ROUTER (BU0300)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>		<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
ID CD		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
ADRP Equipment		4913			4309			5525			5664		
Project Management Support		235			266			268			281		
Engineering Support		764			1300			223			234		
<b>Total</b>		<b>5912</b>			<b>5875</b>			<b>6016</b>			<b>6179</b>		

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

Date:  
February 2003

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

Weapon System Type:

P-1 Line Item Nomenclature:  
ARMY DISN ROUTER (B U0300)

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>ADRP Equipment</b>										
FY 2002	Lockheed Martin Greenbelt, MD	C/FP	GSA, KANSAS CITY, MO	MAR-02	VAR			YES		
FY 2003	TBS	C/FP	GSA, KANSAS CITY, MO	JAN-03	VAR			YES		
FY 2004	TBS	C/FP	GSA, KANSAS CITY, MO	FEB-04	VAR			YES		
FY 2005	TBS	C/FP	GSA, KANSAS CITY, MO	FEB-05	VAR			YES		

REMARKS:

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	14.6	0.4	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5		18.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	14.6	0.4	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5		18.8
Initial Spares												
Total Proc Cost	14.6	0.4	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5		18.8
Flyaway U/C												
Wpn Sys Proc U/C												

**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. The use of computer models 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:**

The FY04/05 funds will 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. The rapidly evolving communication equipment made possible by digital signal processing and melding of computer technology with transmitters and receivers requires that we keep pace in order to accomplish our prevention and resolution mission. 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. Advanced equipment and software will help reduce the susceptibility of Army communication systems to interference from outside sources and help prevent financial liability that may result from interference with civil, defense and commercial users.

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	99.9	2.8	3.0	2.9	3.0	3.1	3.1	3.2	3.2	3.3		127.4
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	99.9	2.8	3.0	2.9	3.0	3.1	3.1	3.2	3.2	3.3		127.4
Initial Spares												
Total Proc Cost	99.9	2.8	3.0	2.9	3.0	3.1	3.1	3.2	3.2	3.3		127.4
Flyaway U/C												
Wpn Sys Proc U/C												

**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 CONUS Power Projection Bases and Defense Satellite Communications Systems.

**Justification:**

FY04/05 procures equipment to improve, expand, automate and integrate Technical Control Facilities (TCF) and Patch and Test Facilities (PTF) in various CONUS sites. This will include continuing the automation of manual technical controls at Fort Detrick and Fort Belvoir, the upgrade of timing and synchronization systems and replacement of obsolete DC power systems for Okinawa.

<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 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>HARDWARE:</b>													
Okinawa Equipment		1732	1	1732	210	1	210	295	1	295			
Fort Detrick Equipment					2000	1	2000	2000	1	2000			
Fort Belvoir Equipment											2266	1	2266
Program Management Administration		275			275			280			285		
Engineer, Install & Test		970			425			400			500		
<b>Total</b>		<b>2977</b>			<b>2910</b>			<b>2975</b>			<b>3051</b>		



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

Date:  
February 2003

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)

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Okinawa Equipment</b>										
FY 2002	Cornet Springfield, VA	C/FP	CECOM	Nov-01	Jan-02	1	1732	Yes		
FY 2003	GSA Fort Monmouth, NJ	C/FP	CECOM	Jan-03	Apr-03	1	210	Yes		
FY 2004	GSA Fort Monmouth, NJ	C/FP	CECOM	Jan-04	Apr-04	1	295	Yes		
<b>Fort Detrick Equipment</b>										
FY 2003	Cornet Springfield, VA	C/FP	CECOM	Nov-02	Jan-03	1	2000	Yes		
FY 2004	Cornet Springfield, VA	C/FP	CECOM	Nov-03	Jan-04	1	2000	Yes		
<b>Fort Belvoir Equipment</b>										
FY 2005	Cornet Springfield, VA	C/FP	CECOM	Nov-04	Jan-05	1	2266	Yes		

REMARKS:

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	1130.9	86.7	155.2	278.4	328.2	316.7	335.3	301.4	261.7	267.4		3461.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	1130.9	86.7	155.2	278.4	328.2	316.7	335.3	301.4	261.7	267.4		3461.8
Initial Spares												
Total Proc Cost	1130.9	86.7	155.2	278.4	328.2	316.7	335.3	301.4	261.7	267.4		3461.8
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

This program provides for improvement/modernization of Army base level voice, data and video networks worldwide. It encompasses nontactical telecommunications services in support of Army base operations, Army Knowledge Management (AKM), Army Transformation and Information Systems for Command and Control (C2) requirements and also funds the acquisition of common user information systems in support of Military Construction, Army (MCA) projects.

**Justification:**

FY 04/05 procures the Information Systems upgrades to the Army's installation information infrastructure. It is comprised of four separate programs to include:

The Information Systems (CONUS/Western Hem) provides for the convergence of voice, video and data on one platform and is an integral part of the Installation Information Infrastructure Modernization Program (I3MP). DSSMP supports Army Transformation, Army Knowledge Management (AKM), power projection support platforms and split based operations through the modernization or replacement of the Army's voice switch systems.

The Information Systems (EUCOM) program provides high capacity and near real time data through put for data, cable and voice solutions to sustaining base installations throughout the European Area of Operations.

The Information Systems (PACOM) program provides for the modernization of the non-tactical telecommunications requirements that support Army base operations and U.S. military Command and Control requirements at U.S. posts, camps and stations in Korea and Japan.

The Information Systems (MCA Support) program finances acquisition of information systems equipment and switch expansion equipment to be installed in conjunction with military construction projects worldwide, which are not included in the MCA 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 (BB8650)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>		<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
ID CD		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Information Systems(CONUS/Western Hem)		48164			49531			39944			50376		
Information Systems (EUCOM)		59474			178302			191467			170459		
Information Systems (PACOM)		42902			45568			90790			89722		
Information Systems (MCA Support)		4662			4953			5987			6129		
<b>Total</b>		<b>155202</b>			<b>278354</b>			<b>328188</b>			<b>316686</b>		

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	69.0	4.9	4.7	5.0	6.0	6.1	6.2	6.4	6.5	6.6		121.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	69.0	4.9	4.7	5.0	6.0	6.1	6.2	6.4	6.5	6.6		121.3
Initial Spares												
Total Proc Cost	69.0	4.9	4.7	5.0	6.0	6.1	6.2	6.4	6.5	6.6		121.3
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

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

**Justification:**

FY 04/05 procures information systems requirements associated with approved MCA projects. Funding is applied to specific projects based upon mission priority, timing of construction schedules, beneficial occupancy dates (BOD) and minimum lead time required for acquisition and installation of associated information system equipment. Funding supports regulatory requirements as outlined in AR 415-15 and other applicable US Army directives. These funds are essential to insure that information systems are installed in sync with Corps of Engineer construction schedules. FY04/05 will also procure additional remote switching units (RSU) in support of the Battle Simulation Center at Fort Lewis, the Efficient Basing East project at Grafenwoehr, Germany and the USARPAC C2 facility at Fort Shafter. The remaining FY04/05 funds will provide Information System support for an additional ninety five (95) approved MCA projects.

<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 (MCA SUPPORT) (BB1400)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>		<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
ID CD		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Telephone Switch		750	1	750	2446	2	1223	3015	2	1508	1666	1	1666
Switch Upgrades		946	44	22	508	80	7	500	32	16	900	44	21
Telephone System		545	55	10	400	80	5	400	40	10	700	59	12
Engineering Svcs		858			1117			1223			1218		
LAN Transport System		1563	53	29	482	34	14	849	32	27	1645	52	32
<b>Total</b>		<b>4662</b>			<b>4953</b>			<b>5987</b>			<b>6129</b>		

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Telephone Switch</b>										
FY 2002	General Dynamics Needham, MA	C/FP	CECOM, Ft Monmouth, NJ	AUG 02	DEC 02	1	750	YES		
FY 2003	TBS	C/FP	ITEC4, Ft Monmouth, NJ	JAN 03	JUL 03	2	1223	YES		
FY 2004	TBS	C/FP	ITEC4, Ft Monmouth, NJ	JAN 04	JUL 04	2	1508	YES		
FY 2005	TBS	C/FP	ITEC4, Ft Monmouth, NJ	JAN 05	JUL 05	1	1666	YES		
<b>Switch Upgrades</b>										
FY 2002	General Dynamics Needham, MA	C/FP	GSA	FEB 02	MAY 02	44	22	YES		
FY 2003	TBS	C/FP	GSA	FEB 03	MAY 03	80	7	YES		
FY 2004	TBS	C/FP	GSA	FEB 04	MAY 04	32	16	YES		
FY 2005	TBS	C/FP	GSA	FEB 05	MAY 05	44	21	YES		
<b>Telephone System</b>										
FY 2002	General Dynamics Needham, MA	C/FP	GSA	FEB 02	MAY 02	55	10	YES		
FY 2003	TBS	C/FP	GSA	FEB 03	MAY 03	80	5	YES		
FY 2004	TBS	C/FP	GSA	FEB 04	MAY 04	40	10	YES		
FY 2005	TBS	C/FP	GSA	FEB 05	MAY 05	59	12	YES		

REMARKS:

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Engineering Svcs</b>										
FY 2002	Signal Corp Fairfax, VA	C/FP	ISEC-FDEO	JUL 02	OCT 02			YES		
FY 2003	TBS	C/FP	ISEC-FDEO	JUL 03	OCT 03			YES		
FY 2004	TBS	C/FP	ISEC-FDEO	JUL 04	OCT 04			YES		
FY 2005	TBS	C/FP	ISEC-FDEO	JUL 05	OCT 05			YES		
<b>LAN Transport System</b>										
FY 2002	Cabletron Rochester, NY	C/FP	GSA	FEB 02	MAY 02	53	29	YES		
FY 2003	TBS	C/FP	GSA	FEB 03	MAY 03	34	14	YES		
FY 2004	TBS	C/FP	GSA	FEB 04	MAY 04	32	27	YES		
FY 2005	TBS	C/FP	GSA	FEB 05	MAY 05	52	32	YES		

REMARKS:

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature INFORMATION SYSTEMS (CONUS/WESTERN HEM) (BB8700)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	741.1	56.2	48.2	49.5	39.9	50.4	51.3	52.3	53.3	54.3		1196.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	741.1	56.2	48.2	49.5	39.9	50.4	51.3	52.3	53.3	54.3		1196.6
Initial Spares												
Total Proc Cost	741.1	56.2	48.2	49.5	39.9	50.4	51.3	52.3	53.3	54.3		1196.6
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The Digital Switched Systems Modernization Program (DSSMP) 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.

**Justification:**

FY 04/05 procures the modernization of switch systems at multiple I3MP installations in CONUS. These modernization programs will upgrade the voice communications infrastructure in support of Army Transformation, Army Knowledge Management, power projection support platforms and split based operations. Voice communication is a key component of the installation level telecommunications network which allows deployed forces to stay digitally linked to their support base at home. 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 protocol, health and morale calls, computer telephony integration, wireless telecommunication, remote access, automated directory assistance and network management.



<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 2003			
<b>OPA2 Cost Elements</b>		ID	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>DSSMP</b>														
Digital Switching System			44754	22		46049	25		36152	20		46400	25	
Project Management Support			1894			1682			2217			2323		
ISEC Engineering Support			1516			1800			1575			1653		
<b>Total</b>			<b>48164</b>			<b>49531</b>			<b>39944</b>			<b>50376</b>		

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

Date:  
February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: INFORMATION SYSTEMS (CONUS/WESTERN HEM) (BB8700)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Digital Switching System</b>										
FY 2002	General Dynamics Needham, MA	C/FP	CECOM, Ft Monmouth, NJ	FEB-02	NOV-02	9		YES		
FY 2002	General Dynamics Needham, MA	C/FP	CECOM, Ft Monmouth, NJ	MAY-02	SEP-02	1		YES		
FY 2002	General Dynamics Needham, MA	C/FP	CECOM, Ft Monmouth, NJ	JUN-02	OCT-02	3		YES		
FY 2002	Halifax Alexandria, VA	C/FP	CECOM, Ft Monmouth, NJ	DEC-01	FEB-02	1		YES		
FY 2002	Nextira Federal Herndon, VA	C/FP	CECOM, Ft Monmouth, NJ	FEB-02	NOV-02	1		YES		
FY 2002	Siemens Vienna, VA	C/FP	CECOM, Ft Monmouth, NJ	MAY-02	JAN-03	1		YES		
FY 2002	Halifax Alexandria, VA	C/FP	CECOM, Ft Monmouth, NJ	JUN-02	SEP-02	1		YES		
FY 2002	General Dynamics Needham, MA	C/FP	CECOM, Ft Monmouth, NJ	MAR-02	JUN-02	1		YES		
FY 2002	Nextira Federal Herndon, VA	C/FP	CECOM, Ft Monmouth, NJ	SEP-02	NOV-02	1		YES		
FY 2002	Southwestern Bell St Louis, MO	C/FP	CECOM, Ft Monmouth, NJ	FEB-02	APR-02	3		YES		
FY 2003	General Dynamics Needham, MA	C/FP	ITEC4, Ft Monmouth, NJ	NOV-02	JAN-03	1		YES		
FY 2003	Southwestern Bell St Louis, MO	C/FP	ITEC4, Ft Monmouth, NJ	NOV-02	JAN-03	2		YES		
FY 2003	General Dynamics Needham, MA	C/FP	ITEC4, Ft Monmouth, NJ	DEC-02	FEB-03	3		YES		
FY 2003	TBS	C/FP	ITEC4, Ft Monmouth, NJ	VAR	VAR	19		YES		

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

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

Date:  
February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: INFORMATION SYSTEMS (CONUS/WESTERN HEM) (BB8700)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2004 FY 2005	TBS TBS	C/FP C/FP	ITEC4, Ft Monmouth, NJ ITEC4, Ft Monmouth, NJ	VAR VAR	VAR VAR	20 25		YES YES		

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

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	198.8	24.6	59.5	178.3	191.5	170.5	182.5	152.7	156.0	159.6		1473.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	198.8	24.6	59.5	178.3	191.5	170.5	182.5	152.7	156.0	159.6		1473.9
Initial Spares												
Total Proc Cost	198.8	24.6	59.5	178.3	191.5	170.5	182.5	152.7	156.0	159.6		1473.9
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The Information Systems (EUCOM) mission encompasses two major programs. The Defense Information Systems Network-Europe (DISN-E) Telephone Switch Modernization Program is currently replacing the European Telephone Switch (ETS) network in support of USCINCEUR and USAREUR switching requirements, as documented in CINCEUR letter dated 9 Oct 97 and USAREUR letter dated 20 Oct 97. The Installation Information Infrastructure Modernization Program (I3MP) Europe is the primary initiative to provide increased data pipes and connectivity to the installation, other support activities and deployed combat forces in the EUCOM theaters. This program provides high capacity capabilities and near real time throughput for data, cable and voice solutions to sustaining base installations throughout the European Area of operations. This program supports the Defense Reform Initiative in such areas as Army Transformation, Army Knowledge Management, web enabled applications, image processing for intelligence missions, command and control, telemedicine and telemaintenance. In addition to DISN-E and I3MP, this line also provides for Videoteleconferencing (VTC) hubs which support video interconnection and conference capability between HQ, USAREUR and its major subordinate commands and deployed troops in areas such as Bosnia and Kosovo.

**Justification:**

FY 04/05 procures state-of-the-art telephone switches for the Defense Information Systems Network-Europe (DISN-E) telephone switch modernization program. The new telephone switches will have Integrated Services Digital Network (ISDN) and other commercial features as well as military unique requirements. The number of switches upgraded each year will depend on the type of switch (large or small multifunction, end office or remote switching unit) and the price negotiated with the contractor. Switch installation will be accomplished in accordance with the Installation Sequence List (a prioritized list of ordered installations issued by the Army, G3). FY 04/05 procures two additional classified and unclassified VTC hubs to support HQ, USAREUR mission requirements.

FY 04/05 procures I3MP OCONUS EUROPE engineering support to furnish and install backbone Wide Area Networks (WAN) and Campus Area Networks (CAN) at 45 sites in accordance with the EUCOM Installation Sequence List (ISL). WAN connectivity and CAN installations are critical to support the ever increasing data transport requirements attributable to actions 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), Distance Learning, DoD Standard Procurement System (SPS), Global Combat Support System Army (GCSSA), Combined Health Care System (CHCS), Installation Support Module (ISM), Defense Message System (DMS), Joint Computer-Aided Acquisition and Logistics System (JCALS) and other web enabled applications.

<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 (EUCOM) (BB8800)			Weapon System Type:			Date: February 2003			
<b>OPA2 Cost Elements</b>		ID	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>DISN-E</b>														
DISN -E Telephone Switch			19602	15		18803	18		26423	33		12928	48	
ISEC Engineering Support			1725			1865			1958			2056		
Project Management Support			2226			2303			2569			2697		
<b>I3MP</b>														
I3MP Implementation/Engr			29935	6		146014	19		151208	23		145462	22	
ISEC Engineering Support			5000			7475			6500			4000		
Project Management Support			230			1003			1575			1654		
<b>VTC Hub</b>														
Unclassified VTC Hub			479	1		492	1		719	1		968	1	
Classified VTC Hub			277	1		347	1		515	1		694	1	
<b>Total</b>			<b>59474</b>			<b>178302</b>			<b>191467</b>			<b>170459</b>		

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

Date:  
February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: INFORMATION SYSTEMS (EUCOM) (BB8800)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>DISN-E Telephone Switch</b>										
FY 2002	SIEMENS Reston, VA	C/FP	CECOM, Ft. Monmouth, NJ	Mar-02	Jan-03	15		YES		
FY 2003	TBS	C/FP	ITEC4, Ft. Monmouth, NJ	Feb-03	Nov-03	18		YES		
FY 2004	TBS	C/FP	ITEC4, Ft. Monmouth, NJ	Jan-04	Nov-04	33		YES		
FY 2005	TBS	C/FP	ITEC4, Ft. Monmouth, NJ	Jan-05	Nov-05	48		YES		
<b>I3MP Implementation/Engr</b>										
FY 2002	SIEMENS Reston, VA	C/FP/OP	CECOM, Ft. Monmouth, NJ	Jun-02	Jun-04	2		YES		
FY 2002	General Dynamics Needham, MA	C/FP/OP	CECOM, Ft. Monmouth, NJ	Jul-02	Jul-04	4		YES		
FY 2003	TBS	C/FP/OP	ITEC4, Ft. Monmouth, NJ	Feb-03	Nov-03	19		YES		
FY 2004	TBS	C/FP/OP	ITEC4, Ft. Monmouth, NJ	Mar-04	Nov-04	23		YES		
FY 2005	TBS	C/FP/OP	ITEC4, Ft. Monmouth, NJ	Mar-05	Nov-05	22		YES		
<b>Unclassified VTC Hub</b>										
FY 2002	UNISYS Corp Hanover, MD	OPTION	Wiesbaden, GE	May-02	Jun-02	1		YES		
FY 2003	UNISYS Corp Hanover, MD	OPTION	Wiesbaden, GE	May-03	Jun-03	1		YES		
FY 2004	UNISYS Corp Hanover, MD	OPTION	Wiesbaden, GE	May-04	Jun-04	1		YES		

REMARKS: Quantities reflect the number of sites at which 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 2003

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

Weapon System Type:

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

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2005 <b>Classified VTC Hub</b>	UNISYS Corp Hanover, MD	OPTION	Wiesbaden, GE	May-05	Jun-05	1		YES		
FY 2002	UNISYS Corp Hanover, MD	OPTION	Wiesbaden, GE	May-02	Jun-02	1		YES		
FY 2003	UNISYS Corp Hanover, MD	OPTION	Wiesbaden, GE	May-03	Jun-03	1		YES		
FY 2004	UNISYS Corp Hanover, MD	OPTION	Wiesbaden, GE	May-04	Jun-04	1		YES		
FY 2005	UNISYS Corp Hanover, MD	OPTION	Wiesbaden, GE	May-05	Jun-05	1		YES		

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

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	121.9	0.9	42.9	45.6	90.8	89.7	95.3	90.0	46.0	46.9		670.0
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	121.9	0.9	42.9	45.6	90.8	89.7	95.3	90.0	46.0	46.9		670.0
Initial Spares												
Total Proc Cost	121.9	0.9	42.9	45.6	90.8	89.7	95.3	90.0	46.0	46.9		670.0
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The Information Systems (PACOM) Program is an integral part of the OCONUS Installation Information Infrastructure Modernization Program (I3MP) and is the primary initiative to digitize and provide connectivity to the installation, other support activities and deployed combat forces in the PACOM theater. Its objective is to create an infrastructure sufficiently flexible to meet ever increasing telecommunication requirements. This program digitizes the sustaining base installations to support the Defense Reform Initiative in such areas as web enabled applications, multimedia applications, image processing for intelligence missions, maneuver control, telemedicine and telemaintenance.

Information Systems (PACOM) program is also responsible for the upgrade of the fixed plant telephone systems in Korea. The upgrades to the Korean Telephone Network (KTN) will modernize the Army telephone system and provide the capability to meet requirements that are not presently satisfied.

**Justification:**

FY 04/05 procures I3MP OCONUS PACOM engineering support to furnish and install backbone Campus Area Networks (CAN) in accordance with the PACOM Installation Sequence List (ISL). The ISL is a prioritized list of ordered installations issued by the Army, G3. CAN installations are critical to support the ever increasing data transport requirements attributable to actions supporting key Army wartime doctrine. The Army is currently using outdated and eroding cable systems, overstressed communication resources and expensive, non-standard measures to satisfy the ever increasing telecommunications requirements. High speed backbone CANs will be installed to modernize installation transport capability, standardize transport networks, digitize the sustaining base, and increase capacity for key Army systems such as Army Knowledge Management (AKM), Distance Learning, DoD Standard Procurement System (SPS), Global Combat Support System Army (GCSSA), Combat Service Support Control System (CSSCS), Combined Health Care System (CHCS), Installation Support Module (ISM), Defense Message System (DMS), Joint Computer-Aided Acquisition and Logistics System (JCALS) and other web enabled applications.

FY 04/05 procures essential hardware to expand the line capacity for Camp Market, Yongsan South 3 and the Far East District Engineer (FEDE), Korea Switch Upgrades. FY 04/05 funds will continue efforts in support of Camp Page, Chinhae, Camp Colbern, Camp Market, Yongsan South 3 and the FEDE Compound.



<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 (PACOM) (BB8900)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>		<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
ID CD		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>I3MP</b>													
I3MP Implementation/Engr		34792	4		37785	15		82637	15		81186	15	
ISEC Engineering Support		7000			4600			4830			5072		
OCONUS Project Management		324			2300			2415			2536		
<b>KTN</b>													
Upgrade Korean Telephone Network		786			883			908			928		
<b>Total</b>		<b>42902</b>			<b>45568</b>			<b>90790</b>			<b>89722</b>		

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

Date:  
February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: INFORMATION SYSTEMS (PACOM) (BB8900)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>I3MP Implementation/Engr</b>										
FY 2002	General Dynamics Needham, MA	C/FP	CECOM, Ft. Monmouth, NJ	Jul 02	Jan 04	1		Yes		
FY 2002	Lucent Greensboro, NC	C/FP	CECOM, Ft. Monmouth, NJ	Apr 02	Oct 02	1		Yes		
FY 2002	General Dynamics Needham, MA	C/FP	CECOM, Ft. Monmouth, NJ	Jun 02	Dec 02	1		Yes		
FY 2002	General Dynamics Needham, MA	C/FP	CECOM, Ft. Monmouth, NJ	Sep 02	Mar 03	1		Yes		
FY 2003	TBS	C/FP	ITEC4, Ft. Monmouth, NJ	Apr 03	Dec 03	15		Yes		
FY 2004	TBS	C/FP	ITEC4, Ft. Monmouth, NJ	Apr 04	Dec 04	15		Yes		
FY 2005	TBS	C/FP	ITEC4, Ft. Monmouth, NJ	Apr 05	Dec 05	15		Yes		
<b>Upgrade Korean Telephone Network</b>										
FY 2002	Nortel Richardson, TX	C/FP/OP	CECOM, Ft. Monmouth, NJ	Mar 02	Nov 02			Yes		
FY 2002	General Dynamics Needham, MA	C/FP/OP	CECOM, Ft. Monmouth, NJ	Mar 02	Nov 02			Yes		
FY 2003	TBS	C/FP/OP	ITEC4, Ft. Monmouth, NJ	Mar 03	Nov 03			Yes		
FY 2004	TBS	C/FP/OP	ITEC4, Ft. Monmouth, NJ	Mar 04	Nov 04			Yes		
FY 2005	TBS	C/FP/OP	ITEC4, Ft. Monmouth, NJ	Mar 05	Nov 05			Yes		

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

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature DEFENSE MESSAGE SYSTEM (DMS) (BU3770)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	236.1	19.2	21.3	26.1	12.4	12.4	7.5	7.5	7.6	7.8		357.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	236.1	19.2	21.3	26.1	12.4	12.4	7.5	7.5	7.6	7.8		357.9
Initial Spares												
Total Proc Cost	236.1	19.2	21.3	26.1	12.4	12.4	7.5	7.5	7.6	7.8		357.9
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The Defense Message System (DMS) is replacing today's Telecommunication Centers and Automatic Digital Network (AUTODIN) Switching Centers. DMS will serve as a single, seamless global messaging system supporting administrative, command and control, and intelligence traffic from the sustaining base to the battlefield. DMS is being implemented in two Phases. The focal points of Phase I, which is complete, included the AUTODIN Mail Server (AMS) Desktop Interface to AUTODIN Host (DINAH), Automated Special Security Information System Terminal (ASSIST) and other AUTODIN terminals. Phase II focuses on the full-scale implementation of Consultative Committee on International Telegraphy and Telephony (CCITT) standardized X.400/X.500 messaging products and the phase out of the AUTODIN system. Implementation of DMS within the Army (DMS-Army) will modernize message services by providing special features including a free-flow message format, Joint and Coalition interoperability, multifunction workstations for most users, guaranteed timely delivery, sender and receiver authentication through the use of electronic signature, and end-to-end security. It will provide regional, installation level and user interfaces to DoD record communications services Army wide. DMS-Army will be the Army's Command and Control messaging system of record. Special features of this new message system include: (1) a user operated service concept, (2) a single form of message service using a simplified message format, (3) multilevel secure processing, and (4) automated local distribution via information transfer networks. The program's implementation emphasis transitioned from the Sustaining Base to the Tactical environment in December 1999. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/05 procures Tactical Message System (TMS) sets, which provide Sensitive But Unclassified (AN/TYC-24V2), Secret (AN/TYC-24V3), and Top Secret (AN/TYC-24V4) capabilities. It also procures Fielding, Field Service Representatives and Government Furnished Equipment necessary to support the fielding of the Army's TMS and continues the extension of DMS to the battlefield in support of the Warfighter in accordance with the Operational Requirements Document (ORD). TMS' will be fielded IAW Basis of Issue Plan (BOIP) as established by the US Army Signal Center at Ft. Gordon.

<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 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
DMS Testing/Spares	A	77			42			43			44		
Engineer Installation Teams (IASED)	A	2999			3102			1385			1327		
H/W & S/W NT Upgrades	A	1768			1072						1803		
Vitronics ( TMS Integration Support)	A	2866			2184			390					
PMO Operations (MATRIX, Contr., PMO)	A	6868			4837			4618			4410		
Systems Upgrades/DMDS	A	400			342			1531			1561		
Deployment Support Center	A	1500			1527						1718		
Tactical Message System (TMS) (Production, GFE, Fielding, FSR)	A	4807	24		12997	42		4468	15		1525		
TMS unit costs and quantities vary by user configuration requirements													
<b>Total</b>		<b>21285</b>			<b>26103</b>			<b>12435</b>			<b>12388</b>		

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>H/W &amp; S/W NT Upgrades</b>										
FY 2003	Lockheed Martin Manassas, VA	C/FP	USAF	MAR-03	APR-03			Yes		
FY 2005	Lockheed Martin Manassas, VA	C/FP	USAF	MAR-05	APR-05			Yes		
<b>Deployment Support Center</b>										
FY 2002	Vitronics Eatontown,NJ	T&M	CECOM	JUN-02	JUL-02			Yes		
FY 2003	Vitronics Eatontown,NJ	T&M	CECOM	DEC-02	FEB-03			Yes		
FY 2004	Vitronics Eatontown,NJ	T&M	CECOM	DEC-03	FEB-04			Yes		
FY 2005	Vitronics Eatontown,NJ	T&M	CECOM	VAR	VAR			Yes		

REMARKS: Configurations vary by user requirements and site locations.

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment  
 P-1 Item Nomenclature: LOCAL AREA NETWORK (LAN) (BU4165)

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

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	289.4	64.9	96.5	123.8	96.5	125.5	153.9	202.8	265.6	270.8		1689.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	289.4	64.9	96.5	123.8	96.5	125.5	153.9	202.8	265.6	270.8		1689.6
Initial Spares												
Total Proc Cost	289.4	64.9	96.5	123.8	96.5	125.5	153.9	202.8	265.6	270.8		1689.6
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The Local Area Network (LAN) Program is comprised of two different efforts; the Common User Installation Transport Network (CUITN) and the Outside Cable Rehabilitation (OSCAR) program. CUITN provides the common user backbone Campus Area Network (CAN) consisting of the data networking electronics and fiber optic cable to interconnect the communications nodes supporting users in office buildings. CUITN provides an intelligent and secure data networking information infrastructure which supports the Army Installation Information Infrastructure Modernization Program (I3MP) at posts, camps and stations. It provides the necessary bandwidth and data-networking capabilities for digital communications as the Army undergoes transformation. It is sufficiently robust and scalable to easily meet the installation's data requirements in support of the legacy force, the interim force and the objective force. CUITN also provides the capability to transport high-volume and near real time data throughout the installation and to the Defense Information Systems Network (DISN) in support of sustainment, contingencies and split-based operations. OSCAR provides for the manhole, ductwork and cabling for the infrastructure upgrade. It also augments and supports replacement and expansion of information transport medium to meet the requirements of voice, data and the single line concept. Transport mediums include single mode fiber optic cable, copper wire and wireless systems.

**Justification:**

FY 04/05 procures CUITN and OSCAR program engineering and implementation support to furnish and install backbone local area networks at the Minimum Essential Requirements (MER) level on the Installation Sequence List (ISL). (The ISL is a prioritized list of ordered installations issued by the Army, G3). In FY 04/05 the CUITN Program will engineer, furnish and install Campus Area Networks that provide the infrastructure to manage the ever increasing data transfer requirements supporting key Army wartime doctrine and information technology transformation initiatives. The Army is currently using outdated systems, obsolete, overstressed communication resources, and expensive, non-standard measures to satisfy the increasing data communications requirements. High speed backbone networks will be installed to modernize site data transport capability, improve connectivity, standardize transport networks and increase capacity for key Army systems such as Army Knowledge Management (AKM), Defense Message System (DMS), Installation Support Module (ISM), Combined Health Care System (CHCS), Global Combat Support System, Army (GCSS,A), Distance Learning, Joint Computer-Aided Acquisition and Logistics System (JCALS) and other web enabled applications. In FY 04/05 the OSCAR program will engineer, furnish and install manhole, duct and cable systems to Minimum Essential Requirements (MER) level under the Army Installation Information Infrastructure Modernization Program (I3MP). Sites will be implemented in accordance with the Army Installation Sequence List (ISL).

<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: LOCAL AREA NETWORK (LAN) (BU4165)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>		<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
ID CD		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
LAN (CUITN/OSCAR)		82753	12		111780	15		85054	13		108899	16	
Project Management Support		2443			2623			2946			3092		
Engineering Support		11300			9400			8475			13469		
<b>Total</b>		<b>96496</b>			<b>123803</b>			<b>96475</b>			<b>125460</b>		

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

Date:  
February 2003

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

Weapon System Type:

P-1 Line Item Nomenclature:  
LOCAL AREA NETWORK (LAN) (BU4165)

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>LAN (CUITN/OSCAR)</b>										
FY 2002	Lucent Greensboro, NC	C/FP	CECOM, Ft Monmouth, NJ	MAR-02	SEP-02	4		YES		
FY 2002	Verizon Washington, DC	C/FP	CECOM, Ft Monmouth, NJ	JUN-02	DEC-02	2		YES		
FY 2002	General Dynamics Needham, MA	C/FP	CECOM, Ft Monmouth, NJ	MAR-02	SEP-02	2		YES		
FY 2002	SBC St. Louis, MO	C/FP	CECOM, Ft Monmouth, NJ	MAY-02	NOV-02	1		YES		
FY 2002	Siemens Vienna, VA	C/FP	CECOM, Ft Monmouth, NJ	FEB-02	MAY-02	1		YES		
FY 2002	Southwestern Bell St Louis, MO	C/FP	CECOM, Ft Monmouth, NJ	MAY-02	JUL-02	2		YES		
FY 2003	General Dynamics Needham, MA	C/FP	ITEC4, Ft Monmouth, NJ	OCT-02	AUG-04	1		YES		
FY 2003	Verizon Washington, DC	C/FP	ITEC4, Ft Monmouth, NJ	NOV-02	MAY-04	1		YES		
FY 2003	NextiraOne Fairfax, VA	C/FP	ITEC4, Ft Monmouth, NJ	NOV-02	JUN-04	1		YES		
FY 2003	TBS	C/FP	ITEC4, Ft Monmouth, NJ	FEB-03	AUG-03	12		YES		
FY 2004	TBS	C/FP	ITEC4, Ft Monmouth, NJ	FEB-04	AUG-04	13		YES		
FY 2005	TBS	C/FP	ITEC4, Ft Monmouth, NJ	FEB-05	AUG-05	16		YES		

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



# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	175.4	32.3	40.6	14.1	14.4	14.8	15.0	15.3	15.6	15.9		353.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	175.4	32.3	40.6	14.1	14.4	14.8	15.0	15.3	15.6	15.9		353.5
Initial Spares												
Total Proc Cost	175.4	32.3	40.6	14.1	14.4	14.8	15.0	15.3	15.6	15.9		353.5
Flyaway U/C												
Wpn Sys 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 Manger (OSD/WHS) and an Army Project Manger, Information Management & Telecommunications-PR (PM, IM&T-PR). PM, IM&T -PR is responsible for the relocation of existing IT facilities while sustaining operations and implementing a new modernized Pentagon telecommunications infrastructure in concert with Pentagon Renovation Construction. Relocation activities include moving the National Military Command Center (NMCC) Services Operations Center, merging seven Technical Control Facilities, consolidating 11 Automated Data Processing (ADP) facilities to two facilities, and consolidating 15 Command and Control tactical and administrative telephone switches to eight (8). The IT infrastructure includes the installation of an unclassified/classified backbone and a Network and System Management Center. The implementation of IT requirements is integral to each phase of the Pentagon Renovation construction program due to the synchronization of both programs. The Pentagon Renovation IM&T Project will provide modern integrated information and telecommunication capabilities to all levels of command in the Pentagon including OSD, the Joint Staff, Army, Navy, Marine Corps, Air force and Defense Agencies.

**Justification:**

FY04/05 procures the backbone network infrastructure equipment and services for Wedge 2, including data switches, routers, media and cable. In addition, FY04/05 funds also procure servers, workstations, and management software required to integrate the Wedge 2 network into the Network and Systems Management Center, which manages the Unclassified and Classified Backbones for the Pentagon. FY05 funds will also initiate efforts for Wedge 3.

<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 2003			
<b>OPA2 Cost Elements</b>		ID	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
<b>PENTAGON RENOVATION IM&amp;T</b>														
Consolidated Tech Cntrl Equip			2105											
Total Switch Architecture/Voice			8242											
Unclass/Class Backbone			20000			14109			14424			14782		
Program Mgmt Support			3000											
Command Commo Survivability Program			7224											
<b>Total</b>			<b>40571</b>			<b>14109</b>			<b>14424</b>			<b>14782</b>		

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Consolidated Tech Cntrl Equip</b>										
FY 2002	NET DISA	C/FP	DISA	Oct-01	Nov-01			Yes		
FY 2002	SAIC Ft Huachuca, AZ	Rqmts	Ft Huachuca, AZ	Oct-01	Nov-01			Yes		
<b>Total Switch Architecture/Voice</b>										
FY 2002	Raytheon St. Petersburg, FL	C/FP	SM-ALC	Oct-01	Nov-01			Yes		
FY 2002	Lucent Silverspring, MD	C/FP	Arlington, VA	Oct-01	Nov-01			Yes		
FY 2002	CSC Fallschurch, VA	IDIQ	CAC-W	Jan-02	Feb-02			Yes		
<b>Unclass/Class Backbone</b>										
FY 2002	General Dynamics Arlington, VA	C/FP/OP	Arlington, VA	Oct-01	Nov-01			Yes		
FY 2003	General Dynamics Arlington, VA	C/FP/OP	Arlington, VA	Oct-02	Nov-02			Yes		
FY 2004	General Dynamics Arlington, VA	C/FP/OP	Arlington VA	Oct-03	Nov-03			Yes		
FY 2005	General Dynamics Arlington, VA	C/FP/OP	Arlington, VA	Oct-04	Nov-04			Yes		
<b>Command Commo Survivability Program</b>										
FY 2002	Washington HQs Service Arlington, VA	MIPR*	Arlington, VA	Jul-02	Jul-02			Yes		

REMARKS: DISA=Defense Information Systems Agency  
SM-ALC=Sacramento Air Logistics Center, Sacramento, CA, NET=Network Equipment Technologies, Rockville, MD,  
SAIC=Science Application International Corp.,  
CSC=Computer Sciences Corporation

# Exhibit P-40, Budget Item Justification Sheet

Date:

February 2003

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

P-1 Item Nomenclature  
FOREIGN COUNTERINTELLIGENCE PROG (FCI) (BK5282)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost												
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)												
Initial Spares												
Total Proc Cost												
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

CLASSIFIED PROGRAM: INFORMATION AVAILABLE UPON REQUEST

# Exhibit P-40, Budget Item Justification Sheet

Date:

February 2003

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

P-1 Item Nomenclature  
FOREIGN COUNTERINTELLIGENCE PROG (FCI) (BK5282)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost												
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)												
Initial Spares												
Total Proc Cost												
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

CLASSIFIED PROGRAM: INFORMATION AVAILABLE UPON REQUEST

# Exhibit P-40, Budget Item Justification Sheet

Date:

February 2003

Appropriation/Budget Activity/Serial No:

P-1 Item Nomenclature

Other Procurement, Army /2/Communications and Electronics Equipment

ALL SOURCE ANALYSIS SYS (ASAS) (TIARA) (KA4400)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	388.9	71.6	51.4	59.2	37.0	36.3	32.1	23.7	26.4	26.9		
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	388.9	71.6	51.4	59.2	37.0	36.3	32.1	23.7	26.4	26.9	Continuing	Continuing
Initial Spares												
Total Proc Cost	388.9	71.6	51.4	59.2	37.0	36.3	32.1	23.7	26.4	26.9	Continuing	Continuing
Flyaway U/C												
Wpn Sys Proc U/C												

### Description:

The All Source Analysis System (ASAS) provides US Army commanders at echelons above corps through battalion a standard all source intelligence processing and reporting system that provides the means for gaining a timely and comprehensive understanding of Opposing Force (OPFOR) deployments, capabilities, and potential courses of action. The system interfaces with selected national, joint, and theater Intelligence assets, adjacent/higher/lower military intelligence preprocessors, Distributed Common Ground Station-Army (DCGS-A), Army Battle Command System (ABCS), and organic deployed Intelligence/Electronic Warfare (IEW) teams and assets. The ASAS product set currently includes: ASAS Remote Workstation (RWS), ASAS-Light, Analysis and Control Team Enclave(ACT-E), Analysis and Control Element (ACE), Trusted Workstation (TWS), and the Communications Control Set (CCS). The ASAS system uses standard joint and Army protocols and message formats to interface with forward deployed sensor/teams, intelligence preprocessors and joint/national/Army C3I systems. This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

Digital Reconnaissance, Surveillance and Target Acquisition (DRSTA), SSN K28808, is a combined sensor and computer system that provides support for rapid and accurate gathering and digital transfer of Long Range Surveillance (LRS) unit intelligence messages and images from surveillance sites into the All Source Analysis System (ASAS). Digital RSTA supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP)

### Justification:

FY 04-05 procures and completes the fielding of RWS, ACT-E, and ASAS Light. FY 05 begins hardware replacement of RWS, to include the ACT-E workstations, with ASAS Light. ACE fielding begins in FY 05.

FY 04-05 procures DRSTA systems to support 82nd AB Division, 10th MTN Division, XVIII AB Corps, and V Corps.

# Exhibit P-40, Budget Item Justification Sheet

Date:

February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment					P-1 Item Nomenclature ASAS - MODULES (TIARA) (K28801)							
Program Elements for Code B Items:				Code:	Other Related Program Elements:							
	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	388.9	71.6	51.4	59.2	36.7	32.2	27.3	23.7	25.1	25.5		741.5
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	388.9	71.6	51.4	59.2	36.7	32.2	27.3	23.7	25.1	25.5	Continuing	Continuing
Initial Spares												
Total Proc Cost	388.9	71.6	51.4	59.2	36.7	32.2	27.3	23.7	25.1	25.5	Continuing	Continuing
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The All Source Analysis System (ASAS) provides US Army commanders at echelons above corps through battalion a standard all source intelligence processing and reporting system that provides the means for gaining a timely and comprehensive understanding of Opposing Force (OPFOR) deployments, capabilities, and potential courses of action. The system interfaces with selected national, joint, and theater Intelligence assets, adjacent/higher/lower military intelligence preprocessors, Distributed Common Ground Station-Army (DCGS-A), Army Battle Command System (ABCS), and organic deployed Intelligence/Electronic Warfare (IEW) teams and assets. The ASAS product set currently includes: ASAS Remote Workstation (RWS), ASAS-Light, Analysis and Control Team Enclave(ACT-E), Analysis and Control Element (ACE), Trusted Workstation (TWS), and the Communications Control Set (CCS). The ASAS system uses standard joint and Army protocols and message formats to interface with forward deployed sensors/teams, intelligence preprocessors and national/joint/Army C3I systems. These systems support the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY 04-05 procures and completes the fielding of RWS, ACT-E, and ASAS Light. FY 05 begins hardware replacement of RWS, to include the ACT-E workstations, with ASAS Light. ACE fielding begins in FY 05.

<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 (TIARA) (K28801)			Weapon System Type:			Date: February 2003			
<b>OPA2 Cost Elements</b>		ID	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
ASAS Hardware Modules			33438			35518			20159			15426		
Project Management Administration			1879			1880			1880			1880		
Post Production Software Support			8057			10083			10717			11653		
Fielding			7837			8650			3732			3060		
Depot Support			200			200			200			200		
Engineering Support						2909								
<b>Total</b>			<b>51411</b>			<b>59240</b>			<b>36688</b>			<b>32219</b>		



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

Date:  
February 2003

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

Weapon System Type:

P-1 Line Item Nomenclature:  
ASAS - MODULES (TIARA) (K28801)

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>ASAS Hardware Modules</b>										
FY 2002	GTE Taunton,MA	C/Option	Taunton, MA	Dec-01	Apr-02					
FY 2003	GTE Taunton,MA	C/Option	Taunton, MA	Nov-02	Apr-03					
FY 2004	GTE Taunton,MA	C/Option	Taunton, MA	Nov-03	Apr-04					
FY 2005	GTE Taunton,MA	C/Option	Taunton, MA	Nov-04	Apr-05					

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 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature Digital RSTA (K28808)
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Program Elements for Code B Items: 0604710A L70	Code: B	Other Related Program Elements:
--	------------	---------------------------------

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost					0.3	4.1	4.8		1.4	1.4		
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)					0.3	4.1	4.8		1.4	1.4	Continuing	Continuing
Initial Spares												
Total Proc Cost					0.3	4.1	4.8		1.4	1.4	Continuing	Continuing
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

Digital Reconnaissance, Surveillance, and Target Acquisition (DRSTA), SSN K28808, is a common sensor control station that can work with a variety of sensors to provide support for rapid and accurate gathering and digital transfer of intelligence messages and images from surveillance sites into the All Source Analysis System (ASAS). DRSTA leverages existing hardware and software efforts for sensors, computers, and software. DRSTA interfaces with current and future Frequency Modulation (FM), High Frequency (HF), and Satellite Communication (SATCOM) radios to provide an end-to-end digitization solution. The DRSTA system is comprised of an out station, a ruggedized PDA-based Hide Site Computer, and a base station. Digital RSTA supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

The FY04/05 funding will procure DRSTA systems to support 82nd ABN Division, 10th MTN Division, XVIII ABN Corps, and V Corps.

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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

P-1 Item Nomenclature  
JTT/CIBS-M (TIARA) (V29600)

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

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty	465	10	59									534
Gross Cost	183.4	16.5	17.7	4.7								222.2
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	183.4	16.5	17.7	4.7								222.2
Initial Spares												
Total Proc Cost	183.4	16.5	17.7	4.7								222.2
Flyaway U/C												
Wpn Sys Proc U/C		1.7	0.3									

**Description:**

The Integrated Broadcast Service (IBS) is the worldwide DoD standard network for transmitting tactical and strategic intelligence and targeting data within a common format and migrating to a single family of Joint Tactical Terminals (JTT) and CIBS modules for improved operational jointness with Army, Navy, Air Force and Marine platforms. The Common Integrated Broadcast Service - Modules (CIBS-M) is a totally integrated Joint Program (all services and Special Operations Command (SOCOM)) which was created to consolidate and replace existing IBS receiver functionality/capability, with a "common family" of IBS modules (both hardware and software). This is required to implement the IBS Plan and consolidate/eliminate duplicative efforts. The Joint Tactical Terminal (JTT) program leverages, to the maximum extent possible, early tech-based efforts initiated by organizations such as the National Reconnaissance Office (NRO). The CIBS-M family of modules will be the "sole" provider, ensuring continued IBS interoperability to a variety of tactical receivers across DoD and the services. CIBS-M will be provided to Joint Tactical Radio System (JTRS) JPO for inclusion into the the JTRS Library to meet intelligence broadcast requirements. The JTT terminals deliver critical, time sensitive battlefield intelligence and targeting information at collateral and system high security levels in near real time (NRT) to worldwide tactical commanders and intelligence nodes at all echelons. The terminals provide direct, secure and dedicated connectivity/interoperability for rapid targeting, threat avoidance, battlefield management, mission planning and sensor cueing. The equipment can be mounted in fixed and rotary wing aircraft as well as fixed or mobile ground platforms. The JTTs are a subcomponent in major Air Force, Navy and Marine Corp systems. The reduced size JTT Briefcases (B) were fielded to the US Army Special Operations Command to satisfy real world events. This system supports the Legacy transition path of the Transformation Campaign Plan (TCP) and lays the foundation for the CIBS-M effort in support of the Objective Force.

**Justification:**

There is no funding request for FY04/05.

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature PROPHET GROUND (TIARA) (BZ7326)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty		6	31	39							Continuing	Continuing
Gross Cost	139.4	11.2	15.6	34.3	3.2	13.3	13.2	25.1	30.0	26.4		
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	139.4	11.2	15.6	34.3	3.2	13.3	13.2	25.1	30.0	26.4	Continuing	Continuing
Initial Spares												
Total Proc Cost	139.4	11.2	15.6	34.3	3.2	13.3	13.2	25.1	30.0	26.4	Continuing	Continuing
Flyaway U/C												
Wpn Sys Proc U/C		1.9	0.5	0.9								

**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 Multi-Sensor system for the Division, Stryker Brigade Combat Team (SBCT) and Armored Cavalry Regiments (ACR). Prophet provides the tactical commander with the next generation Signals Intelligence/Electronic Warfare (SIGINT/EW) - radio detection/direction finding and electronic attack capabilities. Prophet operates in direct support (DS) as an embedded and integral part of the Future Combat System (FCS) Unit of Action (UA) maneuver element and FCS Unit of Employment (UE)1. Prophet replaces the division level Trailblazer and Teammate legacy SIGINT systems in Block I, and TrafficJam in Block II. 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. Block II/III will add Electronic Attack (EA) and an improved signal type detection capability. This increased capability will provide the Brigade Commander with the ability to detect and suppress all types of communications anticipated in the future battlespace. 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). Initially Prophet will interface with the maneuver brigade Analysis 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) in Blocks I to III. Prophet Control's functionality will be integrated on the Objective Force DCGS-A platform. The ACT will forward the gathered information to the division and armored cavalry Analysis Control Element's (ACE) ASAS. Block I fielding started in 1QFY03 to 101 AAD. Block II/III upgrade will start fielding in 4QFY05. Prophet enables the Brigade Commander to detect signals while the vehicle is moving, a first for a Tactical SIGINT system. Prophet is being developed in a user prioritized five block approach: Block I - Electronic Support (ES) (COMINT), Block II - Electronic Attack (EA), Block III - Modern Signals (TAS), Block IV - SIGINT/MASINT Fusion and Block V - Micro-Sensors and Robotics sensor extension capabilities. Blocks IV/V Capabilities are being acquired as requirements in the Future Combat System (FCS) vehicles. Prophet Block II/III is being developed to support integration into the Unit of Action (UA) reconnaissance and surveillance vehicles to provide SIGINT and EA sensors to support the Intelligence, Surveillance, and Reconnaissance (ISR) requirements. Future block upgrades capability will be modular and scalable to support UA vehicle integration. The Prophet System supports the Legacy to Objective transition path of the Army Transformation Campaign Plan (TCP).

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

Date:

February 2003

Appropriation/Budget Activity/Serial No:

Other Procurement, Army /2/Communications and Electronics Equipment

P-1 Item Nomenclature

PROPHET GROUND (TIARA) (BZ7326)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

**Justification:**

FY04 funds will be utilized to resume Prophet Block I fieldings IAW approved fielding plans. FY05 starts procuring Prophet Block II/III systems.

This program was provided \$5.65M supplemental Defense Emergency Response (DERF) funding in FY 02 as a non-add. This funding line was provided \$15M as a transfer from DERF during the FY 03 Congressional Budget process.

<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: PROPHETGROUND(TIARA)(BZ7326)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Hardware		9269	31	299	11934	39	306				5100	2	2550
ES/EA Subsystems					810								
Spares					3450								
Support Equipment		1356			1293			1650			600		
Enhanced Interoperability					574								
ECPs		234									500		
Non Recurring Engineering											3300		
System Engineering		510			510						1766		
Follow-on Test		2000											
Government Program Mgmt		1568			1893			397			1800		
New Equipment Training (NET)		230			1370			328			100		
Total Package Fielding (TPF)		458			755			800			150		
Technical Insertion					11684								
<b>Total</b>		<b>15625</b>			<b>34273</b>			<b>3175</b>			<b>13316</b>		

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

Date:  
February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: PROPHET GROUND (TIARA) (BZ7326)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Hardware</b>										
FY 2001	Titan Systems Corporation San Diego, CA	C/FP	CECOM	Jun 01	Jun 02	6	330	yes		
FY 2002	Titan Systems Corporation San Diego, CA	OPTION	CECOM	Nov 01	Jul 02	31	299	yes		
FY 2003	Titan Systems Corporation San Diego, CA	OPTION	CECOM	Dec 02	May 03	39	306	yes		
<b>ES/EA Subsystems</b>										
FY 2005	TBS TBS	C/FP	CECOM	Jan 05	Sep 05	2	2550	no		Sep 04

REMARKS:









# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature TUAV (B00301)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty		4	5	9	8	6	4	5	8	11		60
Gross Cost	7.1	47.4	56.4	99.0	73.8	57.7	134.3	230.0	295.5	335.7		
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	7.1	47.4	56.4	99.0	73.8	57.7	134.3	230.0	295.5	335.7	Continuing	Continuing
Initial Spares												
Total Proc Cost	7.1	47.4	56.4	99.0	73.8	57.7	134.3	230.0	295.5	335.7	Continuing	Continuing
Flyaway U/C												
Wpn Sys Proc U/C		11.9	11.3	11.0	9.2	9.6	33.6	46.0	36.9	30.5		

**Description:**

The Tactical Unmanned Aerial Vehicle (TUAV) Shadow 200 provides the Army maneuver commander with dedicated Reconnaissance, Surveillance and Target Acquisition (RSTA) and Battle Damage Assessment (BDA). The TUAV Shadow 200 air vehicle will meet a minimum range of 50 kilometers and remain on station for up to four hours. The baseline payload is electro-optic infrared (EO/IR). Procurement of systems including attrition air vehicles commenced in FY 2001. The TUAV Shadow 200 system consists of four air vehicles, each configured with an EO/IR sensor payload, ground control equipment, including communications equipment, launch and recovery equipment, remote video terminals, and High Mobility Multipurpose Wheeled Vehicles with trailer(s). The Shadow 200 is a brigade asset. Each system is supported at the brigade level by a Maintenance Section-Multifunctional and at the division level by a Mobile Maintenance facility. Flyaway and Weapon System procurement costs do not include attrition air vehicles. The TUAV Shadow 200 is an Objective Force System and is to be fielded to the Counter Offensive Force/Counter Attack Corps.

This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

Funding in FY 2004 procures 8 Full Rate Production TUAV Shadow 200 systems in accordance with the Army Transformation Strategy. These systems will be fielded to 25 ID, 10 MNT, 2nd ACR, 2nd ACR, 11th ACR, 1st CAV, 82nd ABN and 4th ID. Funding in FY 2005 procures 6 Full Rate Production TUAV Shadow 200 systems in accordance with the Army Transformation Strategy. These systems will be fielded to 10 MNT, 1st AD, 1st AD, 56th BDE, 1st ID and 101st AA. System contributes to the commander's dominant situational awareness and allows him to shape the battlefield to ensure mission success.

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment  
 P-1 Item Nomenclature: TACTICAL UNMANNED AERIAL VEHICLE (TUAV) (JMIP) (BA0330)

Program Elements for Code B Items: Code: Other Related Program Elements: 0305204A - RDT&E

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty		4	5	9	8	6	2	2	1			37
Gross Cost	7.1	47.4	56.4	99.0	73.8	57.7	8.6	8.6	10.2	9.4		
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	7.1	47.4	56.4	99.0	73.8	57.7	8.6	8.6	10.2	9.4	Continuing	Continuing
Initial Spares												
Total Proc Cost	7.1	47.4	56.4	99.0	73.8	57.7	8.6	8.6	10.2	9.4	Continuing	Continuing
Flyaway U/C												
Wpn Sys Proc U/C		11.9	11.3	11.0	9.2	9.6	4.3	4.3	10.2			

**Description:**

The Tactical Unmanned Aerial Vehicle (TUAV) Shadow 200 provides the Army maneuver commander with dedicated Reconnaissance, Surveillance and Target Acquisition (RSTA) and Battle Damage Assessment (BDA). The TUAV Shadow 200 air vehicle will meet a minimum requirement range of 50 kilometers and remain on station for up to four hours. The baseline payload is electro-optic infrared (EO/IR). Procurement of systems including attrition air vehicles commenced in FY 2001. The TUAV Shadow 200 system consists of four air vehicles, each configured with an EO/IR sensor payload, ground control equipment, including communications equipment, launch and recovery equipment, remote video terminals, and High Mobility Multipurpose Wheeled Vehicles with trailer(s). The Shadow 200 is a brigade asset. Each system is supported at the brigade level by a Maintenance Section - Multifunctional and at the division level by a Mobile Maintenance facility. Flyaway and Weapon System procurement costs do not include attrition air vehicles. The TUAV Shadow 200 is an Objective Force System and is to be fielded to the Counter Offensive Force/Counter Attack Corps.

TUAV was provided a supplemental fund called Defense Emergency Response Fund (DERF), as a non-add, for \$5.0M in FY02 for Shadow.

This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

Funding in FY 2004 procures 8 full rate production TUAV Shadow 200 systems in accordance with the Army Transformation Strategy. These systems will be fielded to 1st 25 ID, 10 MNT, 2nd ACR, 2nd ACR, 11th ACR, 1st CAV, 82nd ABN and 4th ID. Funding in FY 2005 procures 6 Full Rate Production TUAV Shadow 200 systems in accordance with the Army Transformation Strategy. These systems will be fielded to 10 MNT, 1st AD, 1st AD, 56th BDE, 1st ID and 101st AA. System contributes to the commander's dominant situational awareness and allows him to shape the battlefield to ensure mission success.

<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 UNMANNED AERIAL VEHICLE (TUAV) (JMIP)(BA0330)			Weapon System Type:			Date: February 2003			
<b>OPA2 Cost Elements</b>		ID	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
TACTICAL UNMANNED AERIAL VEHICLE														
<b>SHADOW</b>														
Shadow Systems Hardware Cost			28874	5	5775	54095	9	6011	47196	8	5900	35397	6	5900
MSM			5132	5	1026	9422	9	1047	1232	8	154	1060	6	177
MMF without Air Vehicle			1382	2	691	2290	6	382	1527	4	382	382	1	382
Attrition Air Vehicle			1960	4	490									
Training Devices														
Training			1944											
Technical Manuals			256			67			2100			1500		
Test Support			1042			1500			1500			1500		
Engineering Support			2564			4000			3317			3500		
Engineering Changes						5079						463		
Mods/Block Retrofit						301			301			301		
<b>AAI Prime Contractor Cost Growth</b>			<b>43154</b>			<b>76754</b>			<b>57173</b>			<b>44103</b>		
Government Furnished Equipment			3037			5861			5000			3700		
Program Management (Government)			4582			3538			3653			3600		
Material Fielding			1793			1280			2605			900		
Government Training / IMSs									4083	7	583	2917	5	583
Site Activation												1484	2	742
System Test and Acceptance			300			900			1250			1000		
INITIAL SPARES			3486											
HUNTER Upgrades/Shelters						10703								
<b>Total</b>			<b>56352</b>			<b>99036</b>			<b>73764</b>			<b>57704</b>		

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

Date:  
February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: TACTICAL UNMANNED AERIAL VEHICLE (TUAV) (JMIP) (BA0330)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>TACTICAL UNMANNED AERIAL VEHICLE</b>										
FY 2001	AAI Hunt Valley, MD	C/FPIF	AMCOM	Apr - 01	Mar - 02	4	5050	Yes	N/A	May 99
FY 2002	AAI Hunt Valley, MD	SS/FPIF	AMCOM	Feb - 02	Dec - 02	5	5775	Yes	N/A	N/A
FY 2003	AAI Hunt Valley, MD	SS/FPIF	AMCOM	Dec - 03	Dec - 04	9	6011	Yes	N/A	N/A
FY 2004	AAI Hunt Valley, MD	SS/FPIF	AMCOM	Nov - 04	Nov - 05	8	5900	Yes	N/A	N/A
FY 2005	AAI Hunt Valley, MD	SS/FPIF	AMCOM	Nov - 05	Nov - 06	6	5900	Yes	N/A	N/A
FY 2006	AAI Hunt Valley, MD	SS/FPIF	AMCOM	Nov - 06	Nov - 07	2	6612	Yes	N/A	N/A
FY 2007	AAI Hunt Valley, MD	SS/FPIF	AMCOM	Nov - 07	Nov - 08	2	6737	Yes	N/A	N/A
FY 2008	AAI Hunt Valley, MD	SS/FPIF	AMCOM	Nov - 08	Nov - 09	1	5899	Yes	N/A	N/A

REMARKS: SDD contract with production options through FY 02 was awarded via competition to AAI in December 1999.













# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty	62	10										72
Gross Cost	622.6	65.8	21.2	8.4	8.3							726.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	622.6	65.8	21.2	8.4	8.3							726.2
Initial Spares	10.2											10.2
Total Proc Cost	632.8	65.8	21.2	8.4	8.3							736.4
Flyaway U/C												
Wpn Sys Proc U/C		6.6										

**Description:**

The Common Ground Station (CGS) is a rapidly deployable and mobile tactical sensor data processing and dissemination center mounted on 2 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. The CGS/JSWS supports the Interim transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04 completes field upgrades of CGS systems replacing the Commanders Tactical Terminal (CTT) with the Joint Tactical Terminal (JTT) and incorporating enhanced Modeling and Simulation (M&S) capabilities to improve unit training and operator competency.

<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 Common Ground Station (CGS) (TIARA) (BA1080)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Version 2 Retrofit		4654											
MWO Kits		4285											
Field Install of Product Improvements					3625			4820					
P31 NRE / Post Deployment SW Supt (PDSS)		2109											
Field Support		5976			2642			1303					
In-House Engineering		490			230			250					
Contractor Engineering Spt		460			136			230					
Fielding		1966			1198			1100					
Program Management		1216			556			558					
<b>Total</b>		<b>21156</b>			<b>8387</b>			<b>8261</b>					

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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

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

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty											Continuing	Continuing
Gross Cost	101.8	20.1	19.9	13.7	13.0	9.4	6.6	22.0	21.5	20.0		248.0
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	101.8	20.1	19.9	13.7	13.0	9.4	6.6	22.0	21.5	20.0	Continuing	Continuing
Initial Spares												
Total Proc Cost	101.8	20.1	19.9	13.7	13.0	9.4	6.6	22.0	21.5	20.0	Continuing	Continuing
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The Digital Topographic Support System (DTSS) will provide digital maps and updates to commanders and weapons platforms in support of mission planning (e.g., imagery exploitation, Cover and Concealment, other Intelligence Preparation Battlefield (IPB)), rehearsal (e.g., 3D fly throughs, simulations) and execution (e.g., Common Tactical Picture, route planning). The DTSS automates terrain analysis and visualization, data base development/update/management/distribution, 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-Heavy (DTSS-H)(5-ton), DTSS-Deployable (DTSS-D), DTSS-Base (DTSS-B) and the High Volume Map Production (HVMP) equipment. Fielding of the DTSS-H has been completed. The DTSS-H systems will be replaced by DTSS-Ls. The DTSS-L is a highly mobile systems 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 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 training, mission rehearsal and contingency operations. The DTSS-B is designed to augment National Imagery and Mapping Agency (NIMA) capabilities at the Echelons above Corps (EAC) level by providing quick response, special purpose mapping, terrain analysis and data base generation. The DTSS-B includes a component that is capable of handling national technical means information in a secure environment. The HVMP will provide a tactical capability to rapidly reproduce large volumes of topographic materiel. HVMP will be capable of reproducing information from a variety of digital and hardcopy sources via direct digital interfaces. A Milestone C decision will be completed during 2QFY03. Additionally, an institutional training classroom environment has been delivered to the National Geospatial/Intelligence School (NGS)(formerly the Defense Mapping School). NGS provides critical MOS specific training on the operation of CTIS developed systems. CTIS systems operate within the Army Battle Command System (ABCS) architecture and are deployed from Brigade through EAC. CTIS systems support the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/05 procures the DTSS-L and HVMP. Procurement of the DTSS-L and HVMP support HQDA approved Army Order of Precedence fielding requirements. CTIS systems will be fielded to Army Engineer Terrain Teams at Brigade through Echelons Above Corps.

<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) (TIARA) (KA2550)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>Hardware</b>													
DTSS-Deployable	A												
DTSS-Light	A	8407	16	525	7600	15	507	6600	20	330	5280	15	352
DTSS-Base	A	1500	3	500									
HVMP	A				1400	2	700	2660	4	665			
<b>Hardware Total</b>		<b>9907</b>			<b>9000</b>			<b>9260</b>			<b>5280</b>		
<b>Engineering Support</b>													
Design Engineering		3203			927			843			1058		
Misc Out -of -House Engineering		1329			1000			200			404		
<b>Engineering Support Total</b>		<b>4532</b>			<b>1927</b>			<b>1043</b>			<b>1462</b>		
<b>Fielding</b>													
Total Package Fielding		250			200			200			200		
New Equipment Training		300			300			300			300		
First Destination Transportation		400			300			300			300		
<b>Fielding Total</b>		<b>950</b>			<b>800</b>			<b>800</b>			<b>800</b>		
Project Management and Administration		2000			1681			1600			1600		
Interim Contractor Support		300			300			300			300		
Institutional Training		2200											
<b>Total</b>		<b>19889</b>			<b>13708</b>			<b>13003</b>			<b>9442</b>		

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

Date:  
February 2003

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) (TIARA) (KA2550)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>DTSS-Light</b>										
FY 2002	Sechan Electronics Lititz, PA	C/FP	USA Topo Eng Center	Feb 02	May 03	16	525	Yes		
FY 2003	Sechan Electronics Lititz, PA	C/FP	USA Topo Eng Center	Jan 03	May 04	15	507	Yes		
FY 2004	TBS TBS	C/FP	USA Topo Eng Center	Jan 04	May 05	20	330	No		
FY 2005	TBS TBS	C/FP	USA Topo Eng Center	Jan 05	May 06	15	352	No		
<b>DTSS-Base</b>										
FY 2002	Northrup Grumman, Inc. Chantilly, VA	C/FP	USA Topo Eng Center	Dec 01	May 02	3	500	Yes		
<b>HVMP</b>										
FY 2003	TBS TBS	C/FP	USA Topo Eng Center	Feb 03	May 04	2	700	Yes		
FY 2004	TBS TBS	C/FP	USA Topo Eng Center	Feb 04	May 05	4	665	No		

REMARKS: FY04/05 procures the DTSS-L and HVMP. Procurement of the DTSS-L and HVMP support HQDA approved Army Order of Precedence fielding requirements. CTIS systems will be fielded to Army Engineer Terrain Teams at Brigade through Echelons Above Corps.



# Exhibit P-40, Budget Item Justification Sheet

Date:

February 2003

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 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	103.5	14.4	3.4									121.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	103.5	14.4	3.4									121.3
Initial Spares												
Total Proc Cost	103.5	14.4	3.4									121.3
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

CLASSIFIED PROGRAM: INFORMATION WILL BE PROVIDED UPON REQUEST

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment  
 P-1 Item Nomenclature: TACTICAL EXPLOITATION SYSTEM (TIARA) (BZ7317)

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

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty			4	3								7
Gross Cost			34.1	17.1								51.2
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)			34.1	17.1								51.2
Initial Spares												
Total Proc Cost			34.1	17.1								51.2
Flyaway U/C												
Wpn Sys Proc U/C			8.5	5.7								

**Description:**

The Tactical Exploitation System (TES) is an interim DCGS-A that provides tactical commanders with Intelligence products at the level of engagement. Division TES (DTES) at the division level offers a standalone system, with multiple communication interfaces and capabilities. DTES is packaged in High Mobility Multi-Wheeled Vehicles (HMMWV) type vehicles and power source for operations. DTES is C-130 transportable and has On-the-Move (OTM) and Under-the-Hood (UTH) power capability. DTES is a self-contained and integrated system with multiple, remoteable, and reconfigurable Multi-Functional Workstations (MFWS) to handle Imagery (IMINT) and Signal (SIGINT) Intelligence data. DTES will be in limited production relegated to replacing predecessor legacy systems and bridging capability at the division-level until DCGS-A architectures and production objectives are solidified.

DTES supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/09 has no 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: TACTICAL EXPLOITATION SYSTEM (TIARA) (BZ7317)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>		<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
ID CD		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
DTES		18664	4	4666	11850	3	3950						
DTES 1 & 2 Spiral Products					5250		5250						
MIDAS		1425	1	1425									
CIP		850	1	850									
DE		575	1	575									
TSS		4500	1	4500									
DAMA Capable Radio		6920	18	384									
MRT		1000	2	500									
DB Master (Korea/I Corps)		200	1	200									
<b>Total</b>		<b>34134</b>			<b>17100</b>								

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

Date:  
February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: TACTICAL EXPLOITATION SYSTEM (TIARA) (BZ7317)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>DTES</b> FY 2003	Northrop Grumman Linthicum, MD	SS/CPAF	Classified	1Q03	1Q04	3	3950			
<b>DTES 1 &amp; 2 Spiral Products</b> FY 2003	Northrop Grumman Linthicum, MD	SS/CPAF	Classified	2Q03	4Q04		5250			

REMARKS: Coverage for full cost of DTES #3 - 10 fielding shared with other PEs for FY-03. Other PE required to finish DTES deliveries FY-04 and beyond.

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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

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

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	5.3	2.8	2.3	11.3	2.7	9.5	9.9	24.3	33.0	33.7		134.7
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	5.3	2.8	2.3	11.3	2.7	9.5	9.9	24.3	33.0	33.7		134.7
Initial Spares												
Total Proc Cost	5.3	2.8	2.3	11.3	2.7	9.5	9.9	24.3	33.0	33.7		134.7
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

Advanced Intelligence, Surveillance and Reconnaissance (ISR) capabilities -- integrated vertically and horizontally from strategic to tactical level -- will form the knowledge backbone of the Future Combat System of Systems (FCS) and the Objective Force and enable all other capabilities. Distributed Common Ground System -- Army (DCGS-A) will draw information from a wide variety of automated and manual sources; on-board sensors, space platforms, unattended air and ground vehicles, traditional and new ISR capabilities, and an assortment of correlated databases -- all interactive and updated in near-real time. 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, and the environment and to understand the consequences as each interact -- the essence of the Army's vision and requirements for network centric warfare. Key objective of DCGS-A is to reduce forward deployed footprint, executing the preponderance of ISR processing and exploitation at rear Unit of Employment and CONUS based facilities. A key early DCGS initiative is the creation of CONUS based Home Station Nodes within the various Unit of Employment echelons, that directly support tactical Commanders through reach and split based operations. This line also procures key DCGS-A components. The Common Imagery Ground/Surface System (CIG/SS) is a subcomponent of DCGS-A and a Department of Defense (DoD) project aggregating all imagery ground/surface systems into a single project. The CIG/SS objective is to enable all systems to receive, process, exploit, and report any imagery source regardless of platform or sensor type to meet the intelligence and targeting needs of tactical commanders. The CIG/SS project provides the warfighter with an integrated and interoperable airborne reconnaissance imagery processing and exploitation capability that can be tailored for all levels of conflict. CIG/SS consolidated the Joint Service Imagery Processing System (JSIPS) program including the JSIPS-Navy, JSIPS-Air Force, JSIPS-Marine Corps, Tactical Exploitation System (TES), PACAF Interim National Exploitation System (PINES), and Tactical Exploitation Group (TEG) into a single project. Further information can be found in the Joint Military Intelligence Program (JMIP) Congressional Budget Justification Book.

This system supports the Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY 04/05 procures Home Station Nodes for fixed Echelon Above Corps DCGS-A capability. Will support ISR split-based and reach operations with forward deployed units.  
 FY 04/05 procures DTES equipment and Spiral 1 & 2 DTES Product buys.

<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 UNIT OF EMPLOYMENT (JMIP) (BZ7316)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>		<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
ID CD		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
DTES Spiral 1 & 2 GOTS COTS Products								2687	2	1344			
CCRB CLIN2					2617						1700		
OSF Build/Upgrade											1013		
Procures DEs		1150	2	575									
Procures CIP		850	1	850									
Procures various HW/SW for TES		277	7	40									
DCGS-A Data Storage					8686								
DCGS-A Integration of ASAS Block II											6781		
TES Trainer Upgrade Builds													
<b>Total</b>		<b>2277</b>			<b>11303</b>			<b>2687</b>			<b>9494</b>		

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

Date:  
February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: DCGS-A UNIT OF EMPLOYMENT (JMIP) (BZ7316)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>DTES Spiral 1 &amp; 2 GOTS COTS Products</b> FY 2004	Northrop Grumman Linthicum, MD	SS/CPAF	Classified	2Q01	4Q01	2	1344			
<b>CCRB CLIN2</b> FY 2003	Northrop Grumman Linthicum, MD	C/CPAF	Classified	1Q03	3Q04		2617			
FY 2005	Northrop Grumman Linthicum, MD	C/CPAF	Classified	1Q05	3Q05		1700			
<b>OSF Build/Upgrade</b> FY 2006	Northrop Grumman Linthicum, MD	C/CPAF	Classified	1Q03	3Q06		943			
<b>Procures DEs</b>										
<b>Procures CIP</b>										
<b>Procures various HW/SW for TES</b> FY 2002	Northrop Grumman Linthicum, MD	C/CPAF	Classified	1Q02	2Q03	7	40			
FY 2006	Northrop Grumman Linthicum, MD	C/CPAF	Classified	1Q06	3Q06		5247			
<b>TES Trainer Upgrade Builds</b> FY 2006	Northrop Grumman Linthicum, MD	C/CPAF	Classified	1Q03	3Q06		750			

REMARKS: DE : Dissemination Element  
CIP: Common Imagery Processor

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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

P-1 Item Nomenclature  
JOINT TACTICAL GROUND STATION MODS (JTAGS) (BZ8420)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty									6			6
Gross Cost	2.6					5.9	7.7	22.8	6.9			45.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	2.6					5.9	7.7	22.8	6.9			45.9
Initial Spares												
Total Proc Cost	2.6					5.9	7.7	22.8	6.9			45.9
Flyaway U/C												
Wpn Sys Proc U/C									1.2			

**Description:**

The JTAGS M3P Pre-Planned Product Improvement (P3I) Phase II program will procure an Institutional Trainer; initiate the JTAGS M3P Technology Insertion program; and begin integration of M3P with current and future communications architectures.

**Justification:**

FY05 funding procures the Institutional Trainer which will provide trained and ready users (soldier and sailor) fully capable to utilize the JTAGS M3P system. Training provided will include both strategic and theater mission requirements per Army and Air Force agreements.

This system supports the Legacy to Objective transition path of the Transformation Campaign Plan.



# Exhibit P-40M, Budget Item Justification Sheet

Date:

February 2003

Appropriation/Budget Activity/Serial No:

Other Procurement, Army /2/Communications and Electronics Equipment

P-1 Item Nomenclature

JOINT TACTICAL GROUND STATION MODS (JTAGS) (BZ8420)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

Description		Fiscal Years									
OSIP NO.	Classification	2002 & PR	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	TC	Total
Institutional Trainer											
TBD1	Added Capability	0.0	0.0	0.0	5.9	0.0	0.0	0.0	0.0	0.0	5.9
MIDS											
TBD2	Added Capability	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	3.2
Life Cycle Management / Technology Insertion											
TBD3	Added Capability	0.0	0.0	0.0	0.0	4.4	7.0	0.0	0.0	0.0	11.4
Upgrade Institutional Trainer											
TBD 4	Added Capability	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	8.0
Totals		0.0	0.0	0.0	5.9	7.6	15.0	0.0	0.0	0.0	28.5

**INDIVIDUAL MODIFICATION**

Date: February 2003

MODIFICATION TITLE: Institutional Trainer [MOD 1] TBD1

MODELS OF SYSTEM AFFECTED: Data Processing Subsystem

DESCRIPTION/JUSTIFICATION:

The Institutional Trainer will provide trained and ready users (soldier and sailor) fully capable to utilize the JTAGS M3P system. Training provided will include both strategic and theater mission requirements per Army and Air Force agreements.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Initiate Development - 1QFY05  
 Complete Development - 3QFY05

Installation Schedule:

Pr Yr	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Totals									1							1				
Inputs																				
Outputs												1								

	FY 2008				FY 2009				FY 2010				FY 2011				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		1
Outputs																		1

METHOD OF IMPLEMENTATION:

Contract Dates:	FY 2004	FY 2005	ADMINISTRATIVE LEADTIME:	3 Months	PRODUCTION LEADTIME:	5 Months
Delivery Date:	FY 2004	FY2005	FY 2005	FY 2005	FY 2006	FY 2005
	FY 2004	FY2005	FY 2005	FY2005	FY 2006	FY 2005

**INDIVIDUAL MODIFICATION**

Date: February 2003

MODIFICATION TITLE (Cont): Institutional Trainer [MOD 1] TBD1

FINANCIAL PLAN: (\$ in Millions)

	FY 2002 and Prior		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		TC		TOTAL		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
	<b>RD&amp;E</b>																				
<b>Procurement</b>																					
Kit Quantity																					
Installation Kits																					
Installation Kits, Nonrecurring																					
Equipment																					
Equipment, Nonrecurring																					
Engineering Change Orders																					
Data																					
Training Equipment							1	5.9												1	5.9
Support Equipment																					
Other																					
Interim Contractor Support																					
<b>Installation of Hardware</b>																					
FY 2002 & Prior Equip -- Kits																					
FY 2003 -- Kits																					
FY 2004 Equip -- Kits																					
FY 2005 Equip -- Kits																					
FY 2006 Equip -- Kits																					
FY 2007 Equip -- Kits																					
FY 2008 Equip -- Kits																					
FY 2009 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
Total Procurement Cost		0.0		0.0		0.0		5.9		0.0		0.0		0.0		0.0		0.0		0.0	5.9

**INDIVIDUAL MODIFICATION**

Date: February 2003

MODIFICATION TITLE: MIDS [MOD 2] TBD2

MODELS OF SYSTEM AFFECTED: Data Processing Subsystem

DESCRIPTION/JUSTIFICATION:

Without funds requested, procurement of technology necessary for the upgrade of JTAGS/M3Ps to interface with the evolving (MIDS) will not occur. Failure of the JTAGS/M3P mobile ground processor to inter-operate with all elements on the digitized battlefield will result in loss of shared data among all participating users, degradation of the force, and loss of information dominance on the digitized battlefield. The JTAGS/M3P ground processor is identified in the Army Transformation Campaign Plan as a Legacy to Objective System.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Initiate Development - 1QFY06  
 Complete Development - 4QFY06

Installation Schedule:

Pr Yr	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007					
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Inputs														6								
Outputs																	6					
	FY 2008				FY 2009				FY 2010				FY 2011				To Complete	Totals				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
Inputs																						6
Outputs																						6

METHOD OF IMPLEMENTATION:

Contract Dates:	FY 2004	FY2006	ADMINISTRATIVE LEADTIME:	3 Months	PRODUCTION LEADTIME:	5 Months
Delivery Date:	FY 2004	FY2006	FY 2005	FY2006	FY 2006	FY2006
	FY 2004	FY2006	FY 2005	FY2006	FY 2006	FY2006

**INDIVIDUAL MODIFICATION**

Date: February 2003

MODIFICATION TITLE (Cont): MIDS [MOD 2] TBD2

FINANCIAL PLAN: (\$ in Millions)

	FY 2002 and Prior		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RD T&amp;E</b>																			
<b>Procurement</b>																				
Kit Quantity																				
Installation Kits									6	3.2									6	3.2
Installation Kits, Nonrecurring																				
Equipment																				
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other																				
Interim Contractor Support																				
<b>Installation of Hardware</b>																				
FY 2002 & Prior Equip -- Kits																				
FY 2003 -- Kits																				
FY 2004 Equip -- Kits																				
FY 2005 Equip -- Kits																				
FY 2006 Equip -- Kits																				
FY 2007 Equip -- Kits																				
FY 2008 Equip -- Kits																				
FY 2009 Equip -- Kits																				
TC Equip- Kits																				
<b>Total Installment</b>		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0
<b>Total Procurement Cost</b>		0.0		0.0		0.0		0.0		3.2		0.0		0.0		0.0		0.0		3.2

**INDIVIDUAL MODIFICATION**

Date: February 2003

MODIFICATION TITLE: Life Cycle Management / Technology Insertion [MOD 3] TBD3

MODELS OF SYSTEM AFFECTED: Data Processing Subsystem

DESCRIPTION/JUSTIFICATION:

With the short life and supportability of COTS computing processors and because JTAGS M3P is primarily composed of COTS computer processors, it is necessary to conduct periodic life cycle management / technology reviews and fusion to maintain operations and sustainability. Without the requested funding, periodic technology review, and upgrade will not occur and operational efficiency may be compromised. The JTAGS/M3P is identified in the Army Transformation Campaign Plan as a Legacy to Objective System.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Initiate Development - 1QFY06  
 Complete Development - 4QFY06

Installation Schedule:

Pr Yr	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Totals													6							
Inputs																				
Outputs																6				

	FY 2008				FY 2009				FY 2010				FY 2011				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		6
Outputs																		6

METHOD OF IMPLEMENTATION:

Contract Dates:	FY 2004	FY2006	ADMINISTRATIVE LEADTIME:	3 Months	PRODUCTION LEADTIME:	5 Months
Delivery Date:	FY 2004	FY2006	FY 2005	FY2006	FY 2006	FY2006
	FY 2004	FY2006	FY 2005	FY2006	FY 2006	FY2006

**INDIVIDUAL MODIFICATION**

Date: February 2003

MODIFICATION TITLE (Cont): Life Cycle Management / Technology Insertion [MOD 3] TBD3

FINANCIAL PLAN: (\$ in Millions)

	FY 2002 and Prior		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RD&amp;E</b>																			
<b>Procurement</b>																				
Kit Quantity																				
Installation Kits																				
Installation Kits, Nonrecurring																				
Equipment																				
Equipment, Nonrecurring																				
Engineering Change Orders									6	4.4	6	7.0							12	11.4
Data																				
Training Equipment																				
Support Equipment																				
Other																				
Interim Contractor Support																				
<b>Installation of Hardware</b>																				
FY 2002 & Prior Equip -- Kits																				
FY 2003 -- Kits																				
FY 2004 Equip -- Kits																				
FY 2005 Equip -- Kits																				
FY 2006 Equip -- Kits																				
FY 2007 Equip -- Kits																				
FY 2008 Equip -- Kits																				
FY 2009 Equip -- Kits																				
TC Equip- Kits																				
<b>Total Installment</b>		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0
<b>Total Procurement Cost</b>		0.0		0.0		0.0		0.0		4.4		7.0		0.0		0.0		0.0		11.4

**INDIVIDUAL MODIFICATION**

Date: February 2003

MODIFICATION TITLE: Upgrade Institutional Trainer [MOD 4] TBD 4

MODELS OF SYSTEM AFFECTED: Data Processing Subsystem

DESCRIPTION/JUSTIFICATION:

The Institutional Trainer will be upgraded to GM3P configuration in order to provide trained and ready users (soldier and sailor) fully capable to utilize the JTAGS M3P system. Training provided will include both strategic and theater mission requirements per Army and Air Force agreements.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Initiate Development - 1QFY07  
 Complete Development - 3QFY07

Installation Schedule:

Pr Yr	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Totals																				
Inputs																	1			
Outputs																				1

	FY 2008				FY 2009				FY 2010				FY 2011				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		1
Outputs																		1

METHOD OF IMPLEMENTATION:

Contract Dates:	FY 2004	2007	ADMINISTRATIVE LEADTIME:	3 Months	PRODUCTION LEADTIME:	5 Months
Delivery Date:	FY 2004	2007				



**INDIVIDUAL MODIFICATION**

Date: February 2003

MODIFICATION TITLE (Cont): Upgrade Institutional Trainer [MOD 4] TBD 4

FINANCIAL PLAN: (\$ in Millions)

	FY 2002 and Prior		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RD T&amp;E</b>																			
<b>Procurement</b>																				
Kit Quantity																				
Installation Kits																				
Installation Kits, Nonrecurring																				
Equipment																				
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment											1	8.0							1	8.0
Support Equipment																				
Other																				
Interim Contractor Support																				
<b>Installation of Hardware</b>																				
FY 2002 & Prior Equip -- Kits																				
FY 2003 -- Kits																				
FY 2004 Equip -- Kits																				
FY 2005 Equip -- Kits																				
FY 2006 Equip -- Kits																				
FY 2007 Equip -- Kits																				
FY 2008 Equip -- Kits																				
FY 2009 Equip -- Kits																				
TC Equip- Kits																				
<b>Total Installment</b>		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0
<b>Total Procurement Cost</b>		0.0		0.0		0.0		0.0		0.0		8.0		0.0		0.0		0.0		8.0

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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

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

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	165.5	4.2	4.8	4.7	6.5	5.9	5.2	5.3	5.3	5.4		213.0
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	165.5	4.2	4.8	4.7	6.5	5.9	5.2	5.3	5.3	5.4		213.0
Initial Spares												
Total Proc Cost	165.5	4.2	4.8	4.7	6.5	5.9	5.2	5.3	5.3	5.4		213.0
Flyaway U/C	0.0								0.0	0.0		
Wpn Sys Proc U/C												

**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, TCXII 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.

Trojan supports Legacy to Objective Transition path of the Transformation Campaign Plan (TCP).

**Justification:**

TCXXI is a major hardware and software upgrade to components of the TROJAN Classic, AN/FSQ-144, Special Purpose Receiving System.

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

Date:

February 2003

Appropriation/Budget Activity/Serial No:

Other Procurement, Army /2/Communications and Electronics Equipment

P-1 Item Nomenclature

TROJAN (TIARA) (BA0326)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

TCXXI upgrade is mission critical to Warfighters, enabling them to visualize, comprehend and shape their battlespace. The TCXXI system provides the capability to collect, analyze, process, and disseminate perishable strategic, operational, and tactical intelligence in assigned areas of interest to support crisis, stability and support operations, transition to war, military operations other than war (MOOTW) and wartime operations. TCXXI continues the capability of providing a seamless strategic to tactical communications link, ensuring Army intelligence support to combat commanders.

The TCXXI System is the intelligence backbone of the national to tactical partnership and associated remote SIGINT collection system interoperability facilitating collaborative analysis and reporting. TCXXI provides interoperable digital file transfer among national and tactical activities supporting daily global collection, and provide interface with individual unit all source analysis and production elements. TCXXI will support Army units, laboratories and battle simulation centers as they conduct exercises that include experimentation, modeling and simulations and distance learning using data relevant to the organization being trained. Target technical databases will be used to support operational forces and the development and deployment of Quick Reaction Capability (QRC) and Purpose Built Systems and equipment. Collaboration will be a key element of these efforts and will be used to support crisis response and contingency rehearsal.

Funding is used for the procurement of material (hardware/software) in support of planned TROJAN Classic XXI system upgrades and fieldings activities.

Under the present acquisition strategy here are no major acquisitions to Prime Contractors. The fabrication, integration and fielding efforts for TCXXI are conducted "in-house" by USA CECOM, with the assistance of INSCOM, other TROJAN related Government agencies, and associated support contractors.

<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 (TIARA) (BA0326)			Weapon System Type:			Date: February 2003			
<b>OPA2 Cost Elements</b>		ID	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>TROJAN CLASSIC XXI</b>														
(MC03c) Hardware			1650	4	413	1655	4	414	1665	4	416	905	2	453
(MC03d) Hardware			2832	4	708	2721	4	680	2810	4	703	2118	3	706
(MC05) Hardware									1685	2	843	2276	3	759
Integration/Fielding			336			365			375			585		
<b>SUBTOTAL</b>			<b>4818</b>			<b>4741</b>			<b>6535</b>			<b>5884</b>		
<b>Total</b>			<b>4818</b>			<b>4741</b>			<b>6535</b>			<b>5884</b>		

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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

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

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	252.3	1.7	1.7	1.6	2.6	2.6	1.7	4.9	3.6	2.3		
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	252.3	1.7	1.7	1.6	2.6	2.6	1.7	4.9	3.6	2.3	Continuing	Continuing
Initial Spares												
Total Proc Cost	252.3	1.7	1.7	1.6	2.6	2.6	1.7	4.9	3.6	2.3	Continuing	Continuing
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

BZ9750 contains two baby ssns, BZ9751 and BZ9752.

BZ9751: Classified Program and information will be provided upon request.

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. REMBASS-II 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 is 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%.

These systems support the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/05 procures Ground Intelligence Hardware, (REMBASS-II & PPS-5D) in support of the Stryker Brigade Combat Teams (SBCT).

# Exhibit P-40M, Budget Item Justification Sheet

Date:

February 2003

Appropriation/Budget Activity/Serial No:

Other Procurement, Army /2/Communications and Electronics Equipment

P-1 Item Nomenclature

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

Program Elements for Code B Items:

Code:

Other Related Program Elements:

Description		Fiscal Years									
OSIP NO.	Classification	2002 & PR	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	TC	Total
Y2K fixes for GR/CS and ARL											
1-99-07-0001	Operational	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Classified Program											
0-00-00-0000		0.3	0.3	0.5	0.5	0.5	3.7	2.3	2.3	0.0	10.4
REMBASS II for SBCT											
1-02-07-0001	Operational	0.8	0.7	1.4	1.4	0.7	0.7	0.9	0.0	0.0	6.6
AN/PRD-13(V)2											
1-97-07-0001	Operational	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AN/PPS-5D (GSR) for SBCT											
1-02-07-0002	Operational	0.6	0.6	0.7	0.7	0.5	0.5	0.5	0.0	0.0	4.1
Totals		1.7	1.6	2.6	2.6	1.7	4.9	3.7	2.3	0.0	21.1

# Exhibit P-40, Budget Item Justification Sheet

Date:

February 2003

Appropriation/Budget Activity/Serial No:

Other Procurement, Army /2/Communications and Electronics Equipment

P-1 Item Nomenclature

SPECIAL PURPOSE SYSTEMS (TIARA) (BZ9751)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	82.1		0.3	0.3	0.5	0.5	0.5	3.7	2.3	2.3		
Less PY Adv Proc	0.0								0.0	0.0		
Plus CY Adv Proc	0.0								0.0	0.0		
Net Proc (P-1)	82.1		0.3	0.3	0.5	0.5	0.5	3.7	2.3	2.3	Continuing	Continuing
Initial Spares												
Total Proc Cost	82.1		0.3	0.3	0.5	0.5	0.5	3.7	2.3	2.3	Continuing	Continuing
Flyaway U/C	0.0								0.0	0.0		
Wpn Sys Proc U/C												

**Description:**

CLASSIFIED PROGRAM: INFORMATION PROVIDED UPON REQUEST

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment  
 P-1 Item Nomenclature: MODS FOR IEW TAC SIG WAR (TIARA) (BZ9752)

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

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	108.5	1.7	1.4	1.3	2.1	2.1	1.2	1.2	1.4			120.9
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	108.5	1.7	1.4	1.3	2.1	2.1	1.2	1.2	1.4			120.9
Initial Spares												
Total Proc Cost	108.5	1.7	1.4	1.3	2.1	2.1	1.2	1.2	1.4			120.9
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

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. REMBASS-II 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 is 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%.

These systems support the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/FY05 funds procure Ground Intelligence Hardware (REMBASS-II and PPS-5D) in support of the Stryker Brigade Combat Teams (SBCT).



# Exhibit P-40M, Budget Item Justification Sheet

Date:

February 2003

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

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

Program Elements for Code B Items:

Code:

Other Related Program Elements:

Description		Fiscal Years									
OSIP NO.	Classification	2002 & PR	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	TC	Total
Y2K fixes for GR/CS and ARL											
1-99-07-0001	Operational	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AN/PPS-5D (GSR) for SBCT											
0-00-00-0000		0.6	0.6	0.7	0.7	0.5	0.5	0.5	0.0	0.0	4.1
REMBASS II for SBCT											
0-00-00-0000		0.8	0.7	1.4	1.4	0.7	0.7	0.9	0.0	0.0	6.6
AN/PRD-13(V2)											
1-97-07-0001	Operational	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Totals		1.4	1.3	2.1	2.1	1.2	1.2	1.4	0.0	0.0	10.7

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature CI HUMINT INFO MANAGEMENT SYSTEM (CHIMS) (TIARA) (BK5275)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	7.7	3.0	2.5	9.5	7.9	2.9	3.9	6.5	3.3	5.9		53.2
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	7.7	3.0	2.5	9.5	7.9	2.9	3.9	6.5	3.3	5.9		53.2
Initial Spares												
Total Proc Cost	7.7	3.0	2.5	9.5	7.9	2.9	3.9	6.5	3.3	5.9		53.2
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The Counterintelligence/Human Intelligence (CI/HUMINT) Management System (CHIMS) is the tactical CI/HUMINT system. It meets the requirements for Army tactical and strategic CI/HUMINT information collection, investigation, interrogation, operations, document exploitation, and force protection. The total CHIMS automation architecture extends from the Corps and Division Analysis and Control Element (ACE) to the individual agent/collector. The AN/PYQ-7 Counterintelligence Operations/Interrogation Operations (CI & I OPS) workstation provides automation and analysis capabilities to Military Intelligence units, and CI Staff Officers (CISO) at Division and Corps. It provides a common interface to the Defense Counterintelligence Information System (DCIIS).

CI/HUMINT teams require two types of automation support. The first, a Team Leader device, is the AN/PYQ-3 CI/HUMINT Automated Tool Set (CHATS). It interfaces with the ASAS Remote Workstation (RWS), CI & I OPS workstation and individual CI/HUMINT agents/collectors device. The second, the AN/PYQ-8 Individual Tactical Reporting Tool (ITRT) provides a hand held automated collection and processing device for agent operations. It provides automation capabilities to collect, manage, receive, store and export text, electronic data, and digital imagery information. It is also capable of preparing, processing and disseminating standard messages. CHIMS is the HUMINT component of the Army Distributed Common Ground System (DCGS-Army) planning. CHIMS will play a vital role in the Army's Objective Force through the DCGS-A to be fielded at the 18th Airborne Corps in FY03 and fielded to III Corps in FY04.

This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04 funding procures CHIMS systems to be fielded to USAREUR, 513th MI BDE, and SBCT #4. Additionally, FY 04 begins procurement and fielding to RC Training Base. FY05 funding continues full scale production and fielding to include SBCT #5 and completes Reserve Component Training Base.

<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: CI HUMINT INFO MANAGEMENT SYSTEM (CHIMS) (TIARA)(BK5275)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>Hardware</b>													
--CHATS V3					3072	96	33.0	2409	73	33.0	891	27	33.0
--ITRT					1675	335	5.0	1555	311	5.0	425	85	5.0
--CI & I OPS					1008	28	36.0	972	27	36.0	144	4	36.0
<b>SBCT Hardware</b>													
--SBCT CHATS V2		384	16	24.0									
--SBCT CHATS V3					512	16	33.0	528	16	33.0	528	16	33.0
--SBCT ITRT		154	44	3.5	220	44	5.0	220	44	5.0	220	44	5.0
--SBCT CI & I OPS		30	1	30.0	36	1	36.0	36	1	36.0	36	1	36.0
<b>Other</b>													
Production Engineering		604			459			279			82		
Total Package Fielding (TPF)		1105			1711			1248			380		
Program Support		198			779			645			241		
<b>Total</b>		<b>2475</b>			<b>9472</b>			<b>7892</b>			<b>2947</b>		

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

Date:  
February 2003

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) (TIARA) (BK5275)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>--CHATS V3</b>										
FY 2003	Engineering System Solutions Frederick, MD	C/FFP	CECOM	Jan 03	Apr 03	96	33			
FY 2004	TBD	C/FFP	CECOM	Dec-03	Mar-04	73	33			
FY 2005	TBD	C/FFP	CECOM	Dec-04	Mar-05	27	33			
<b>--IIRT</b>										
FY 2003	Engineering System Solutions Frederick, MD	C/FFP	CECOM	Jan 03	Apr 03	335	5			
FY 2004	TBD	C/FFP	CECOM	Dec-03	Mar-04	311	5			
FY 2005	TBD	C/FFP	CECOM	Dec-04	Mar-05	85	5			
<b>--CI &amp; I OPS</b>										
FY 2003	Engineering System Solutions Frederick, MD	C/FFP	CECOM	Jan 03	Apr 03	28	36			
FY 2004	TBD	C/FFP	CECOM	Dec-03	Mar-04	27	36			
FY 2005	TBD	C/FFP	CECOM	Dec-04	Mar-05	4	36			
<b>--SBCT CHATS V2</b>										
FY 2002	Engineering System Solutions Frederick, MD	C/FFP	CECOM	Dec-01	Mar-02	16	24			
<b>--SBCT CHATS V3</b>										

REMARKS: Equipment costs vary by version. The CHATS V2 to V3 unit cost increased due to the inclusion of language translator software and change in system platforms.

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

Date:  
February 2003

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) (TIARA) (BK5275)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2003	Engineering System Solutions Frederick, MD	C/FFP	CECOM	Jan 03	Apr 03	16	33			
FY 2004	TBD	C/FFP	CECOM	Dec-03	Mar-04	16	33			
FY 2005	TBD	C/FFP	CECOM	Dec-04	Mar-05	16	33			
<b>--SBCT ITRT</b>										
FY 2002	Engineering System Solutions Frederick, MD	C/FFP	CECOM	Dec-01	Mar-02	44	4			
FY 2003	Engineering System Solutions Frederick, MD	C/FFP	CECOM	Jan 03	Apr 03	44	5			
FY 2004	TBD	C/FFP	CECOM	Dec-03	Mar-04	44	5			
FY 2005	TBD	C/FFP	CECOM	Dec-04	Mar-05	44	5			
<b>--SBCT CI &amp; I OPS</b>										
FY 2002	Engineering System Solutions Frederick, MD	C/FFP	CECOM	Dec-01	Mar-02	1	30			
FY 2003	Engineering System Solutions Frederick, MD	C/FFP	CECOM	Jan 03	Apr 03	1	36			
FY 2004	TBD	C/FFP	CECOM	Dec-03	Mar-04	1	36			
FY 2005	TBD	C/FFP	CECOM	Dec-04	Mar-05	1	36			

REMARKS: Equipment costs vary by version. The CHATS V2 to V3 unit cost increased due to the inclusion of language translator software and change in system platforms.

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment  
 P-1 Item Nomenclature: ITEMS LESS THAN \$5.0M (TIARA) (BK5278)

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

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty					4	3						7
Gross Cost	41.6	6.5	2.8	8.0	5.0	3.3						67.1
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	41.6	6.5	2.8	8.0	5.0	3.3						67.1
Initial Spares												
Total Proc Cost	41.6	6.5	2.8	8.0	5.0	3.3						67.1
Flyaway U/C												
Wpn Sys Proc U/C					1.2	1.1						

**Description:**

This budget line supports automation requirements for the Army Intelligence and Electronic Warfare Master Plan (AIMP) and procurement of TROJAN Special Purpose Integrated Remote Intelligence Terminals (TROJAN SPIRIT) for the Transformation Brigades.

This system supports the Legacy-to-Objective path of the Transformation Campaign Plan (TCP).

AIMP uses capabilities from the Force Integration Masterplanner (FIM) to develop decision support aids that facilitate development and display of intelligence force structure, architectures and systems. The FIM is a computer-based system of systems using commercial-off-the-shelf (COTS) software to support PPBES decision making in the Intelligence and Electronic Warfare (IEW) community. The AIMP is a publication mechanism that presents the IEW future vision to Army consumers over Intelink and Intelink-S.

TROJAN SPIRIT provides both the Legacy Force and the Transformation Brigades 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. TROJAN SPIRIT LITE supports Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

**JUSTIFICATION:**

AIMP - funding will be used to continue replacing proprietary and obsolete hardware with standard COTS UNIX platforms and software. This provides the potential for interoperability with other UNIX applications, reduces hardware maintenance costs, and provides significantly better processing capability. These funds will also be used to acquire high speed product servers for Intelink & Intelink-S networks making the FIM products available to any Army consumer, world-wide. Hardware and Software procured will support Headquarters, Department of the Army, and FIM field support sites at Fort Belvoir, Fort Huachuca, and Fort Monmouth.

TROJAN SPIRIT LITE - funds the procurement integration and fielding of TROJAN SPIRIT Lightweight Integrated Telecommunications Equipment (TS LITE),(AN/TSQ-226 V) systems for the Transformation Brigades and National Guard. Each Brigade requires three TS LITE systems, one of which will be fielded with a HMMWV-mounted shelter, Modular Command Post System (MCPS), HMT trailer and SCI-capable workstation. Funding will be used to procure TS LITE systems for Transformation Brigades 3-8.

<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 (TIARA) (BK5278)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>TROJAN SPIRIT LITE (V)</b>													
Hardware		2058	2	1029	2850	3	950	4189	4	1047	2524	3	841
Integration/Fielding		350			343			794			800		
<b>Sub Total</b>		<b>2408</b>			<b>3193</b>			<b>4983</b>			<b>3324</b>		
<b>TROJAN SPIRIT P3I</b>													
Hardware													
Integration/Fielding													
<b>AIMP</b>													
Software/Publications		380			260								
-----													
JMEG SYSTEMS - JMICS/JWICS					2500								
TIARA COOP SUPPORT					2000								
<b>Total</b>		<b>2788</b>			<b>7953</b>			<b>4983</b>			<b>3324</b>		

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

Date:  
February 2003

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 (TIARA) (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</b>										
FY 2001	GLOBAL SATCOM Gaithersburg, MD	FFP	GSA	Jan 01	May 01	6	950	yes		
FY 2002	GLOBAL SATCOM Gaithersburg, MD	FFP	Ft. Monmouth	Jan 02	July 02	2	1029	yes		
FY 2003	GLOBAL SATCOM Gaithersburg, MD	FFP	Ft. Monmouth	Jan 03	July 03	3	950	yes		
FY 2004	GLOBAL SATCOM Gaithersburg, MD	FFP	Ft. Monmouth	Jan 04	July 04	4	1047	yes		
FY 2005	GLOBAL SATCOM Gaithersburg, MD	FFP	Ft. Monmouth	Jan 05	July 05	3	841	yes		

REMARKS:









# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment  
 P-1 Item Nomenclature: SHORTSTOP (VA8000)

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

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	61.4	15.9	1.7	2.9								81.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	61.4	15.9	1.7	2.9								81.9
Initial Spares												
Total Proc Cost	61.4	15.9	1.7	2.9								81.9
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The SHORTSTOP Electronic Protection System (SEPS) is a fully integrated Radio Frequency Countermeasure system which is designed to provide protection for personnel and high value assets against proximity fuzes. There are three configurations of SEPS: a manpack system, a stand alone system, and a vehicle mounted system. SEPS will maximize tactical utility and provide protection against indirect fire. SEPS will be used by Infantry, Engineering, Armor, Field Artillery and Intelligence units to enhance survivability.

SEPS has received Congressional adds from FY97 thru FY03 which procured hardware and associated documentation to support urgent Combatant Commanders requirements.

This system supports the current force of the Transformation Campaign Plan (TCP).

**Justification:**

There is no funding request for FY04/05.

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES (BL5283)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
------------------------------------	-------	---------------------------------

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	14.2	2.3	2.3	3.9	2.3	2.4	2.4	2.5	2.4	2.4		37.0
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	14.2	2.3	2.3	3.9	2.3	2.4	2.4	2.5	2.4	2.4		37.0
Initial Spares												
Total Proc Cost	14.2	2.3	2.3	3.9	2.3	2.4	2.4	2.5	2.4	2.4		37.0
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**  
CLASSIFIED PROGRAM: INFORMATION AVAILABLE UPON REQUEST

# Exhibit P-40, Budget Item Justification Sheet

Date:

February 2003

Appropriation/Budget Activity/Serial No:

Other Procurement, Army /2/Communications and Electronics Equipment

P-1 Item Nomenclature

FAAD GBS (WK5053)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty	134	6										140
Gross Cost	367.0	23.9	1.9	0.0								392.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	367.0	23.9	1.9	0.0								392.8
Initial Spares												
Total Proc Cost	367.0	23.9	1.9	0.0								392.8
Flyaway U/C												
Wpn Sys Proc U/C		4.0										

**Description:**

Sentinel AN/MPQ-64 consists of a radar-based sensor with its prime mover/power, identification friend or foe (IFF), and Forward Area Air Defense (FAAD) Command, Control and Intelligence (C2I) interfaces. The sensor is an advanced three-dimensional battlefield X-Band air defense phased-array radar with an instrumented range of 40 km. The Sentinel is capable of operating day or night, in adverse weather conditions, in the battlefield environments of dust, smoke, aerosols and enemy countermeasures. It provides 360-degree azimuth coverage for acquisition tracking. The Sentinel contributes to the digital battlefield by automatically detecting; classifying, identifying and reporting targets (cruise missiles, unmanned aerial vehicle, rotary wing and fixed wing aircraft). Targets can be hovering to fast moving, as well as from nap of the earth to the maximum engagement altitude of Short Range Air Defense (SHORAD) weapons. Very accurate and quick reacting, Sentinel acquires targets sufficiently forward of the Forward Line of Troops to improve SHORAD weapons reaction time and allow engagement at optimum ranges. The Sentinel integrated IFF reduces the potential for fratricide of US aircraft. Highly mobile and reliable, the Sentinel Anti-Radiation Missile and Electronic Countermeasures resistant performance supports Army Corps and Divisional Air Defense operations across the full spectrum of conflict.

This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

**Justification:**

There is no funding request for FY04/05

<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 GBS (WK5053)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Sentinel Systems Hardware													
Trainers/Training		8											
Engineering Change Orders													
System Test and Evaluation													
Interim Contractor Support													
<b>Subtotal</b>		<b>8</b>											
<b>Engineering Support</b>													
Engineering Support-Labor													
Engineering Support - Simulations		29			31								
Engineering Support-Contractor													
<b>Engineering Support Total</b>		<b>29</b>			<b>31</b>								
Initial Spares													
Fielding		1248											
<b>Subtotal</b>		<b>1248</b>											
System Software Changes													
<b>Program Mgt/Admin</b>													
PM/Admin Labor In house		370											
PM/Admin Labor Contracts		219											
<b>TOTAL PM/Admin</b>		<b>589</b>											
<b>Total</b>		<b>1874</b>			<b>31</b>								

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

Date:  
February 2003

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

Weapon System Type:

P-1 Line Item Nomenclature:  
FAAD GBS (WK5053)

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Sentinel Systems Hardware FY 2001	Raytheon Systems Co Forest, MS	SS/FP/Opt	AMCOM	Nov 00	Apr 03			yes		

REMARKS: FY01 Deliveries-Reflects exercise of reopen option for Full Scale Production Option 5(FSP5) buy (FY00). One consideration for new FY00 delivery schedule was the addition of an option that allows additional systems to be purchased at the FSP5 price. The option was exercised on 30 November 00. Award of this option eliminated the need to negotiate and award a new production contract (FSP6) to procure the 6 Sentinels in FY01. As a consideration for this option, Raytheon would procure systems for marketing and direct sales and deliver US systems at the end of the contract.





FY 02 / 03 BUDGET PRODUCTION SCHEDULE							P-1 Item Nomenclature: FAAD GBS (WK5053)											Date: February 2003																					
COST ELEMENTS	MFR	FY	SERV	PROC QTY Each	ACCEP TO 1 OCT	BAL DUE AS OF 1 OCT	Fiscal Year 02											Fiscal Year 03						LATER															
							Calendar Year 02											Calendar Year 03																					
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB		MAR	APR	MAY	JUN	JUL	AUG	SEP								
Sentinel Systems Hardware																																							
	1	FY 99	A	24	24	0																																	
	1	FY 00	A	21	0	21		2	2	2	2	2	2	2	2	2	1	2												0									
	1	FY 01	A	6	0	6																					1	2	2	1	0								
Total				51	24	27		2	2	2	2	2	2	2	2	2	1	2									1	2	2	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	MFR Number	ADMINLEAD 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, Forest, MS	1.00	3.00	4.00	0	1	INITIAL	0	4	15	19																												
							REORDER	0	4	15	19																												
							INITIAL																																
							REORDER																																
							INITIAL																																
							REORDER																																
							INITIAL																																
							REORDER																																

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost			30.7	39.4	17.6	13.7	13.7	15.1	19.0	22.9		172.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)			30.7	39.4	17.6	13.7	13.7	15.1	19.0	22.9		172.1
Initial Spares												
Total Proc Cost			30.7	39.4	17.6	13.7	13.7	15.1	19.0	22.9		172.1
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

Sentinel consists of a radar-based sensor system with its prime mover/power, identification friend or foe (IFF), and Forward Air Defense (FAAD) Command, Control and Intelligence (C2I) Interfaces. Sentinel Modernization is a material enhancement of the Sentinel system. Sentinel Modernization upgrades provide Sentinel with the capability to classify and detect cruise missiles and UAVs. The system provides forward area Short Range Air Defense (SHORAD) systems information dominance via a digital air picture for support of maneuver forces and critical assets. The data acquired and processed by the system provides the commander an integrated battlefield picture and cueing/target identification information for SHORAD assets. The Modernization program will provide the capability for Sentinel to detect and classify small radar cross-section targets, such as cruise missiles and unmanned aerial vehicles. In order to engage at ranges beyond visual range, the SHORAD system must detect and track the target at sufficient range to alert, then cue the gunner to the target. The Sentinel Modernization efforts extend the range of Sentinel, so gunners will receive cues with sufficient time to engage targets at ranges beyond visual range. Cueing alone is not sufficient to support an engagement. The target must be identified as a friend or recognized as an engageable target based on the rules of engagement (ROE) and requirement of the defended assets. The Modernization program allows Sentinel to determine aircraft type or to support manned vs. unmanned determinations to fully support precision engagements beyond visual range. Sentinel Modernization supports growth to multi-mission radar capability. Based on the multi-mission radar desired performance matrix, Sentinels with Enhanced Target Range and Classification (ETRAC) modifications supports the Active Defense Fire Control baseline requirements and supports Air Defense surveillance and Air Traffic Control requirements. This system supports the Legacy to Objective transition path of the Army Transformation Campaign Plan (TCP) by ensuring that the Sentinel systems support the acquisition, tracking and classification of targets to enable the SHORAD weapons to engage these targets at maximum effective range.

Note: Funding supports modernization of counter attack force.

**Justification:**

FY04 funds procure ETRAC retrofit kits. FY05 funds procure transmitter kits. The transmitter kits will replace the current Sentinel transmitter with Power Amplifier Modules (PAM). The ETRAC retrofit kits include waveform upgrades for the Receiver/Exciter, Variable Rotation Rate and Target Classification upgrades. Installation of these kits will provide Sentinel with the capability to classify cruise missiles, UAVs, rotary and fixed wing aircraft to support precision engagements beyond visual range. Sentinel is the only sensor available that detects cruise missiles, UAVs, rotary and fixed wing aircraft in the forward battle area at low altitude.

# Exhibit P-40M, Budget Item Justification Sheet

Date:

February 2003

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:

Description		Fiscal Years									
OSIP NO.	Classification	2002 & PR	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	TC	Total
Transmitter Improvements											
111-11	Operational	30.6	0.0	0.1	13.4	0.4	0.1	18.8	0.2	0.0	63.6
ETRAC Modifications											
111-12	Operational	0.0	39.4	17.5	0.3	13.2	15.0	0.2	22.8	0.0	108.4
Totals		30.6	39.4	17.6	13.7	13.6	15.1	19.0	23.0	0.0	172.0

**INDIVIDUAL MODIFICATION**

Date: February 2003

MODIFICATION TITLE: Transmitter Improvements [MOD 1] 111-11

MODELS OF SYSTEM AFFECTED:

DESCRIPTION/JUSTIFICATION:

Funds provide for the replacement of the current Sentinel transmitter with Power Amplifier Modules (PAM). Initially, the upgraded transmitter will replicate the existing transmitter function. With the implementation of the "waveforms" portion of the modernization program, both increased average power and classification waveforms capabilities will be activated. PAMs were selected because they offer excellent power conversion efficiency, are sufficiently stable to support subclutter visibility and classification waveform requirements and allow incremental growth and graceful degradation in the event of failure. Without these improvements, maneuver forces and critical assets are at risk against advancing threat capabilities, because Sentinel would not be able to detect and classify UAVs and cruise missiles. Sentinel Modernization supports growth to a multi-mission radar capability. Sentinels with ETRAC modifications support the Active Defense Fire Control baseline requirements and support Air Defense Surveillance and Air Traffic Control requirements.

Note: Funding supports modernization of counter attack force. The installation schedule is dictated by the Unit Set Fielding Schedule set by DA and the procurements are at economic quantities.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Note: Transmitter/ETRAC kits will be applied during the same retrofit to minimize trips to contractor's facility and cost.

Installation Schedule:

Pr Yr	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Totals																				
Inputs	0						1	3	6	6	6	2	6	6	6	6	6	0	0	0
Outputs	0						1	3	6	6	6	2	6	6	6	6	6	0	0	0

	FY 2008				FY 2009				FY 2010				FY 2011				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs	6	6	0	0	6	6			6	1	3	6	6	6	6	2		114
Outputs	6	6	0	0	6	6			6	1	3	6	6	6	6	2		114

METHOD OF IMPLEMENTATION:	Contractor's Facility	ADMINISTRATIVE LEADTIME:	4 Months	PRODUCTION LEADTIME:	13 Months
Contract Dates:	FY 2004 Jul 02	FY 2005	Feb 05	FY 2006	Feb 08
Delivery Date:	FY 2004 May 04	FY 2005	May 06	FY 2006	Mar 09

**INDIVIDUAL MODIFICATION**

Date: February 2003

MODIFICATION TITLE (Cont): Transmitter Improvements [MOD 1] 111-11

FINANCIAL PLAN: (\$ in Millions)

	FY 2002 and Prior		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RD&amp;E</b>	0																		
<b>Procurement</b>	0																			
Kit Quantity	0																			
Installation Kits	0																			
Equipment	60	27.3					28	10.8					26	16.8					114	54.9
Engineering Change Orders	0	1.2																		1.2
Data	0	0.3						0.4						0.3						1.0
Training Equipment	0																			
Program Management	0	1.8						1.9						1.5						5.2
<b>Installation of Hardware</b>	0																			
FY2002 & Prior Equip-- 60 Kits	0				4	0.1	20	0.3	24	0.4	6	0.1	6	0.1					60	1.0
FY2003 Equip-- Kits	0																			
FY2004 Equip-- Kits	0																			
FY2005 Equip-- 28 Kits	0										0		6	0.1	12	0.2			18	0.3
FY2006 Equip-- Kits	0																			
FY2007 Equip-- Kits	0																			
FY2008 Equip-- 26 Kits	0																			
FY2009 Equip-- Kits	0																			
TC Equip- Kits	0																			
<b>Total Installment</b>	0	0.0		0.0	4	0.1	20	0.3	24	0.4	6	0.1	12	0.2	12	0.2		0.0	78	1.3
<b>Total Procurement Cost</b>		30.6		0.0		0.1		13.4		0.4		0.1		18.8		0.2		0.0		63.6

**INDIVIDUAL MODIFICATION**

Date: February 2003

MODIFICATION TITLE: ETRAC Modifications [MOD 2] 111-12

MODELS OF SYSTEM AFFECTED:

DESCRIPTION/JUSTIFICATION:

ETRAC Modifications include waveform upgrades for the Receiver/Exciter; Variable Rotation Rate and Target Classification upgrades. 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. Implementation of the ETRAC modification will enable SHORAD weapons to engage cruise missiles, UAVs, and fixed and rotary wing aircraft at the maximum effective range protecting critical assets from aggressors.

Note: Funding supports modernization of counter attack force. The installation schedule is dictated by the Unit Set Fielding Schedule set by DA and the procurements are at economic quantities.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Note: Transmitter/ETRAC kits will be applied during the same retrofit to minimize trips to contractor's facility and cost.

Installation Schedule:

Pr Yr	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Totals																				
Inputs	0						1	3	6	6	6	2	6	6	6	6	6	0	0	0
Outputs	0						1	3	6	6	6	2	6	6	6	6	6	0	0	0

	FY 2008				FY 2009				FY 2010				FY 2011				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs	6	6	0	0	6	6			6	1	3	6	6	6	6	2		114
Outputs	6	6	0	0	6	6			6	1	3	6	6	6	6	2		114

METHOD OF IMPLEMENTATION:	Contractor's Facility	ADMINISTRATIVE LEADTIME:	4 Months	PRODUCTION LEADTIME:	9 Months
Contract Dates:	FY 2004 July 02	FY 2005	Feb 04	FY 2006	Feb 06
Delivery Date:	FY 2004 May 04	FY 2005	Apr 05	FY 2006	Dec 06

**INDIVIDUAL MODIFICATION**

Date: February 2003

MODIFICATION TITLE (Cont): ETRAC Modifications [MOD 2] 111-12

FINANCIAL PLAN: (\$ in Millions)

	FY 2002 and Prior		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		TC		TOTAL		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
	<b>RD&amp;E</b>																				
<b>Procurement</b>																					
Kit Quantity																					
Installation Kits																					
Equipment			40	33.7	22	15.1			16	10.9	18	12.9			28	20.8			124	93.4	
Engineering Change Orders				0.7																	0.7
Data				0.4		0.4				0.4		0.4				0.3					1.9
Training Equipment				2.7																	2.7
Program Management				1.9		1.9				1.6		1.6				1.5		0			8.5
<b>Installation of Hardware</b>	<b>0</b>																				
FY2002 & Prior Equip-- Kits	0																				
FY2003 Equip-- 40 Kits	0				4	0.1	20	0.3	16	0.2									40	0.6	
FY2004 Equip-- 22 Kits	0						0		8	0.1	6	0.1	8	0.1					22	0.3	
FY2005 Equip-- Kits	0																				
FY2006 Equip-- 16 Kits	0												4	0.1	12	0.2			16	0.3	
FY2007 Equip-- 18 Kits	0																				
FY2008 Equip-- Kits	0																				
FY2009 Equip-- 28 Kits	0																				
TC Equip-Kits	0																				
<b>Total Installment</b>	<b>0</b>	<b>0.0</b>		<b>0.0</b>	<b>4</b>	<b>0.1</b>	<b>20</b>	<b>0.3</b>	<b>24</b>	<b>0.3</b>	<b>6</b>	<b>0.1</b>	<b>12</b>	<b>0.2</b>	<b>12</b>	<b>0.2</b>		<b>0.0</b>	<b>78</b>	<b>1.2</b>	
<b>Total Procurement Cost</b>		<b>0.0</b>		<b>39.4</b>		<b>17.5</b>		<b>0.3</b>		<b>13.2</b>		<b>15.0</b>		<b>0.2</b>		<b>22.8</b>		<b>0.0</b>		<b>108.4</b>	



# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment  
 P-1 Item Nomenclature: NIGHT VISION DEVICES (KA3500)

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

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty		28664	13700	23618	21177	29828	35863	31397	21781	21708	Continuing	Continuing
Gross Cost	1281.3	89.3	40.1	54.5	65.6	93.2	134.2	138.7	151.1	136.7		
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	1281.3	89.3	40.1	54.5	65.6	93.2	134.2	138.7	151.1	136.7	Continuing	Continuing
Initial Spares												
Total Proc Cost	1281.3	89.3	40.1	54.5	65.6	93.2	134.2	138.7	151.1	136.7	Continuing	Continuing
Flyaway U/C												
Wpn Sys Proc U/C		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

**Description:**

Night Vision Devices (KA3500) is a summary budget line including the following programs: (1). (K36400) AN/PVS-7 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 two eyepiece lens assemblies. The AN/PVS-14 Monocular Night Vision Device (MNVD) is similar to the AN/PVS-7, except that it presents an image to only one eye (the soldier views the AN/PVS-7 with both eyes). Beginning in FY06 the production will begin transition to the Enhanced Night Vision Goggle (ENVG). The ENVG will be a lightweight device providing soldiers a passive sensor, fused electro-optical night vision device with the ability to engage and execute Close Combat (including MOUT), Combat Support, and Combat Service Support operations in all light levels, adverse weather, and battlefield obscurant conditions over existing night vision goggles. (2). (K35000) AN/PAQ-4 Infrared Aiming Light (IAL) is a lightweight, weapon mounted and boresighted aiming light. The line also includes the AN/PEQ-2 Infrared Target Pointer/Infrared Aiming Light (ITPIAL). The aiming light output is visible only when used with a night vision goggle, such as the AN/PVS-7. (3). (K31300) AN/VAS-5 DVE is an uncooled thermal imaging system developed for use on combat and tactical wheeled vehicles. (4). (B53800) AN/PVS-6 Mini Eyesafe Laser Infrared Observation Set (MELIOS) is an integrated, eyesafe laser rangefinder with Compass/Vertical Angle Measurement and digital data display. This line currently funds an upgrade for digital connectivity and interface with an Image Intensification device for 24 hour mission capability. (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. The SNS provides the sniper with the capability to accurately fire the M24 at night to a range of 600 meters and during the day to a range of 800 meters. These programs support the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY 2004/2005 funds will continue procurement of AN/PVS-14, AN/PEQ-2A, AN/PVS-10 SNS and AN/VAS-5 DVE systems. Fielding continues to Special Operations Forces, 75th Ranger Regiment, 10th Mountain, and Brigade Combat Team (BCT) 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: NIGHT VISION DEVICES (KA3500)			Weapon System Type:			Date: February 2003			
<b>OPA2 Cost Elements</b>		ID	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Night Vision, AN/PVS-7 AID			36913			46321			43133			59386		
Infrared Aiming Light, AN/PAQ-4/PEQ-2			1087			6257			4847			7384		
Night Vision, Driver's Vision Enhancer			2102			1883			8899			16448		
Night Vision, Sniper Night Sight									8750			10018		
<b>TOTAL</b>			<b>40102</b>			<b>54461</b>			<b>65629</b>			<b>93236</b>		
<b>Total</b>			<b>40102</b>			<b>54461</b>			<b>65629</b>			<b>93236</b>		

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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: A Other Related Program Elements:

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty	86	455	59	56	372	815	2181	1242	959	1096	Continuing	Continuing
Gross Cost	3.5	11.5	2.1	1.9	8.9	16.4	40.1	23.3	19.2	22.1		
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	3.5	11.5	2.1	1.9	8.9	16.4	40.1	23.3	19.2	22.1	Continuing	Continuing
Initial Spares												
Total Proc Cost	3.5	11.5	2.1	1.9	8.9	16.4	40.1	23.3	19.2	22.1	Continuing	Continuing
Flyaway U/C												
Wpn Sys Proc U/C		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

**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 safer movement of combat and tactical wheeled vehicles in support of their operational missions in all environmental conditions. DVE facilitates fast paced force projection operations by providing enhanced mobility during darkness and in degraded battlefield conditions (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.

This system supports the legacy-to-objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/05 procures DVE systems for the TOW HMMWV vehicles in the 82nd Airborne Division, 2nd Infantry Division, 10th Mountain Division, SETAF(1/508 Infantry), the 101st Airborne Assault Division, and portions of the tactical wheeled vehicles for two Stryker Brigade Combat Teams (SBCTs).

<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 2003			
<b>OPA2 Cost Elements</b>		ID	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
AN/VAS-5 Driver's Vision Enhancer (DVE)		A	899	59	15	983	56	18	6610	372	18	14233	815	17
Program Management Admin			242			176			383			364		
Engineering Support			545			527			1149			1091		
Engineering Change Orders			250			47			274			544		
Qualification Testing									327					
Fielding			166			150			156			216		
<b>Total</b>			<b>2102</b>			<b>1883</b>			<b>8899</b>			<b>16448</b>		
<b>Total</b>			<b>2102</b>			<b>1883</b>			<b>8899</b>			<b>16448</b>		

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

Date:  
February 2003

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 2002	Raytheon Dallas, TX	Option	CECOM	Aug 02	Jun 03	59	15	Yes		
FY 2003	TBS	C/FPM3-1	CECOM	Apr 03	Feb 04	56	18	Yes		
FY 2004	TBS	C/FPM3-2	CECOM	Jan 04	Sep 04	372	18	Yes		
FY 2005	TBS	C/FPM3-3	CECOM	Jan 05	Sep 05	815	17	Yes		

REMARKS:





FY 06 / 07 BUDGET PRODUCTION SCHEDULE							P-1 Item Nomenclature: DRIVER VISION ENHANCER (DVE) (K31300)												Date: February 2003												
COST ELEMENTS	MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Fiscal Year 06												Fiscal Year 07												LATER
							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	
AN/VAS-5 Driver's Vision Enhancer (DVE)																															
	1	FY 01	A	318	318	0																							0		
	1	FY 02	A	59	59	0																							0		
	2	FY 03	A	56	56	0																							0		
	2	FY 04	A	372	372	0																							0		
	2	FY 05	A	815	67	748	68	68	68	68	68	68	68	68	68	68													0		
	1	FY 01	OTH	282	282	0																							0		
	1	FY 02	OTH	857	857	0																							0		
	2	FY 03	OTH	280	280	0																							0		
	2	FY 04	OTH	328	328	0																							0		
	2	FY 05	OTH	320	26	294	26	26	26	27	27	27	27	27	27	27													0		
Total																															
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
MFR	PRODUCTION RATES				REACHED	MFR	ADMINLEAD TIME		MFR	TOTAL	REMARKS																				
NAME/LOCATION	MIN.	1-8-5	MAX.	D+	Number	INITIAL	Prior 1 Oct	After 1 Oct	After 1 Oct	After 1 Oct	OTHER is comprised of Stryker and M56 funded requirements. FY02 exceeds 12 months due to multiple awards for multiple customers.																				
1 Raytheon, Dallas, TX	5.00	90.00	190.00	0	1	INITIAL	0	0	0	0																					
2 TBS	5.00	90.00	190.00	0	2	REORDER	0	10	10	20																					
						INITIAL		8	8	16																					
						REORDER	0	3	8	11																					
						INITIAL																									
						REORDER																									
						INITIAL																									
						REORDER																									



# Exhibit P-40, Budget Item Justification Sheet

Date:

February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature INFRARED AIMING LIGHT, AN/PAQ-4 (K35000)	
Program Elements for Code B Items:	Code:	Other Related Program Elements:

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty	52360	10957	3136	9046	6760	9918	18854	19095	5261	5229	Continuing	Continuing
Gross Cost	56.5	15.4	1.1	6.3	4.8	7.4	14.1	14.3	3.9	3.9		
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	56.5	15.4	1.1	6.3	4.8	7.4	14.1	14.3	3.9	3.9	Continuing	Continuing
Initial Spares												
Total Proc Cost	56.5	15.4	1.1	6.3	4.8	7.4	14.1	14.3	3.9	3.9	Continuing	Continuing
Flyaway U/C												
Wpn Sys Proc U/C		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

**Description:**

The AN/PEQ-2A, Target Pointer/ Illuminator/ Aiming Light (TPIAL) is a dual laser device which can be hand-held or weapon mounted (threshold: M16A1/A2, M4, M249, Modular Weapons; objective: M136, M203, M60, M240B, M2 and MK19), using the same Mounting Brackets available for the AN/PAQ-4C. The laser beams can only be detected with Night Vision Goggles. The AN/PEQ-2A emits a highly collimated invisible infrared light for precise aiming of the weapon as well as a separate infrared illumination beam with adjustable focus. Both beams can be zeroed to the weapon and each other. The beams can be operated individually or in combination. The AN/PAQ-4C is a lightweight, eye-safe aiming light which is attached to several weapons. The AN/PAQ-4C sends out an invisible light beam along the Line-Of- Sight. Visible only with Night Vision Goggles, the projected spot of light appears at the exact point where the weapon is aimed. This aiming light can be used only in the weapon-mounted mode using the various mounting brackets or the Rail Grabber Bracket Assembly for the Modular Weapons.

**Justification:**

FY04/05 funds procure critically needed AN/PEQ-2A Infrared Target Pointer and AN/PAQ-4C Infrared Aiming Lights for fieldings to Stryker Brigade Combat Team (SBCT), Aviation units, and the National Guard Separate Infantry Brigade (SIB) 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: INFRARED AIMING LIGHT, AN/PAQ-4 (K35000)			Weapon System Type:			Date: February 2003			
<b>OPA2 Cost Elements</b>		ID	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
AN/PEQ-2A Infrared Target Pointer/IAL		A	747	603	1.2	4990	6889	0.7	3500	4684	0.7	5932	7890	0.8
AN/PAQ-4C Infrared Aiming Light		A	177	397	0.4	872	2157	0.4	1000	2076	0.5	1001	2028	0.5
Government Engineering Support			106			200			247			286		
Fielding			57			75			100			165		
Engineering Change Orders (ECO)						60								
Testing						60								
<b>Total</b>			<b>1087</b>			<b>6257</b>			<b>4847</b>			<b>7384</b>		
<b>Total</b>			<b>1087</b>			<b>6257</b>			<b>4847</b>			<b>7384</b>		

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

Date:  
February 2003

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

Weapon System Type:

P-1 Line Item Nomenclature:  
INFRARED AIMING LIGHT, AN/PAQ4 (K35000)

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>AN/PEQ -2A Infrared Target Pointer/IAL</b>										
FY 2002	Insight Technology (PEQ-2) Nashua, NH	C/FPIDIQ	CECOM	Jul 02	Jan 03	1024	1	Yes		
FY 2003	Insight Technology (PEQ-2) Nashua, NH	C/FPIDIQ	CECOM	May 03	Nov 03	6889	1	Yes		
FY 2004	Insight Technology (PEQ-2) Nashua, NH	C/FPIDIQ	CECOM	May 04	Nov 04	4684	1	Yes		
FY 2005	Insight Technology (PEQ-2) Nashua, NH	C/FPIDIQ	CECOM	May 05	Nov 04	7890	1	Yes		
<b>AN/PAQ-4C Infrared Aiming Light</b>										
FY 2002	Insight Technology (PAQ-4) Nashua, NH	C/FPIDIQ	CECOM	Jul 02	Jan 03	397	0	Yes		
FY 2003	Insight Technology (PAQ-4) Nashua, NH	C/FPIDIQ	CECOM	May 03	Nov 03	2157	0	Yes		
FY 2004	Insight Technology (PAQ-4) Nashua, NH	C/FPIDIQ	CECOM	May 04	Nov 04	2076	0	Yes		
FY 2005	Insight Technology (PAQ-4) Nashua, NH	C/FPIDIQ	CECOM	May 05	Nov 05	2028	0	Yes		

REMARKS:







# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature NIGHT VISION, AN/PVS-7 AID (K36400)
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Program Elements for Code B Items:	Code: A	Other Related Program Elements: 64710 A DL70
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty	163030	17072	10505	14516	13505	18471	14170	10383	15561	15383	Continuing	Continuing
Gross Cost	949.8	57.8	36.9	38.5	43.1	59.4	69.8	90.6	128.0	110.8		
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	949.8	57.8	36.9	38.5	43.1	59.4	69.8	90.6	128.0	110.8	Continuing	Continuing
Initial Spares												
Total Proc Cost	949.8	57.8	36.9	38.5	43.1	59.4	69.8	90.6	128.0	110.8	Continuing	Continuing
Flyaway U/C												
Wpn Sys Proc U/C		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

**Description:**

The AN/PVS-7/14 systems support the Army Transformation objectives by increasing situational awareness, mobility, and lethality during times of low light and night. The AN/PVS-7 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 two eyepiece lens assemblies. The AN/PVS-14 Monocular Night Vision Device (MNVD) is similar to the AN/PVS-7, except that it presents an image to only one eye. These systems support the tactical level of war: enabling the individual soldier to see, understand, and act first, permitting superior tactical mobility during night and low light conditions. Individual soldiers use the AN/PVS-7 or AN/PVS-14 to perform Combat, Combat Support, and Combat Service Support functions during night operations. The AN/PVS-7 and AN/PVS-14 enhance survivability, lethality, and tactical mobility for individual soldiers of the Legacy and Interim Force precluding a capability gap during limited visibility operations.

**Justification:**

FY 04/05 procures AN/PVS-14 systems for fielding to fulfill night vision equipment shortages in Stryker Brigade Combat Team 4 (SBCT 4), SBCT 5, SBCT6, III Corps, I Corps, 1st Infantry Division (IID), and 1st Armor Division (1AD). These systems will provide the Legacy and Interim Force the capability to continue to dominate night operations while development of the next generation night vision goggle is performed. The AN/PVS-14 will enable the Legacy and Interim forces to maintain dominance and win the close-in fight with individual combatant overmatch during night operations across the full spectrum of conflict and battlefield 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: NIGHT VISION, AN/PVS-7 AID (K36400)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
AN/PVS-7/14	A	34389	10505	3.3	42908	14516	3.0	39676	13505	2.9	56454	18471	3.1
Government Engineering Support		611			807			817			692		
Project Management Admin		626			867			878			745		
Fielding		167			261			265			225		
Contractor Engineering Support		1107			1461			1480			1255		
Testing		13			17			17			15		
<b>Total</b>		<b>36913</b>			<b>46321</b>			<b>43133</b>			<b>59386</b>		
<b>Total</b>		<b>36913</b>			<b>46321</b>			<b>43133</b>			<b>59386</b>		



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

Date:  
February 2003

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

Weapon System Type:

P-1 Line Item Nomenclature:  
NIGHT VISION, AN/PVS-7 AID (K36400)

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>AN/PVS-7/14</b>										
FY 2002	ITT ROANOKE, VA	C/FPM	CECOM	May 02	May 03	6321	3	YES		
FY 2002	LITTON TEMPE, AZ	C/FPM	CECOM	May 02	Mar 03	4184	3	YES		
FY 2003	ITT ROANOKE, VA	C/FPM	CECOM	Jan 03	Jan 04	8710	3	YES		
FY 2003	LITTON TEMPE, AZ	C/FPM	CECOM	Jan 03	Jan 04	5806	3	YES		
FY 2004	ITT ROANOKE, VA	C/FPM	CECOM	Dec 03	Dec 04	8103	3	YES		
FY 2004	LITTON TEMPE, AZ	C/FPM	CECOM	Dec 03	Dec 04	5402	3	YES		
FY 2005	ITT ROANOKE, VA	C/FPM	CECOM	Dec 04	Dec 05	11083	3	YES		
FY 2005	LITTON TEMPE, AZ	C/FPM	CECOM	Dec 04	Dec 05	7388	3	YES		

REMARKS:







# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature SNIPER NIGHT SIGHT (K41500)
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Program Elements for Code B Items:	Code: A	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty	60190	180			540	624	658	677			Continuing	Continuing
Gross Cost		1.7			8.8	10.0	10.3	10.6				41.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)		1.7			8.8	10.0	10.3	10.6				41.4
Initial Spares												
Total Proc Cost		1.7			8.8	10.0	10.3	10.6				41.4
Flyaway U/C												
Wpn Sys Proc U/C		0.0			0.0	0.0	0.0	0.0				

**Description:**

The AN/PVS-10 Sniper Night Sight (SNS) supports the Army Transformation objectives by increasing the sniper's ability to detect, identify and engage targets in darkness and extremely low light conditions, it enhances the sniper's situational awareness, survivability and lethality. The AN/PVS-10 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 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. The SNS utilizes passive third generation image intensification technology for night operations.

**Justification:**

FY04/05 procures requirements for a night sight to mount on the .50 cal Long Range Sniper Rifle (LRSR) being fielded to United States Army Special Operations Command (USASOC). 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 AN/PVS-10 allows the special operator to engage enemy vehicles, command and control centers and snipers at an increased stand-off distance even during low light and night conditions, thus increasing the special operator's survivability and lethality.

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: SNIPER NIGHT SIGHT (K41500)			Weapon System Type:			Date: February 2003			
<b>OPA2 Cost Elements</b>		ID	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
AN/PVS-10 SNS Hardware									7293	540	13.5	8434	624	13.5
Program Management Admin									715			820		
CLS									103			106		
Fielding									308			317		
ECP									176			181		
Testing									155			160		
<b>Total</b>									<b>8750</b>			<b>10018</b>		
<b>Total</b>									<b>8750</b>			<b>10018</b>		

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

Date:  
February 2003

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)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>AN/PVS-10 SNS Hardware</b>										
FY 2004	TBS	C/FFP	CECOM	Dec 03	Sep 04	540	14	Yes		
FY 2005	TBS	C/FFP	CECOM	Dec 04	Sep 05	624	14	Yes		

REMARKS:









# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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: A Other Related Program Elements: 0604710 DL74

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty	60	77	80	105	110	112	91	2				637
Gross Cost	45.0	45.7	40.7	48.6	50.1	49.5	42.3	1.7				323.8
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	45.0	45.7	40.7	48.6	50.1	49.5	42.3	1.7				323.8
Initial Spares												
Total Proc Cost	45.0	45.7	40.7	48.6	50.1	49.5	42.3	1.7				323.8
Flyaway U/C												
Wpn Sys Proc U/C		0.6	0.5	0.5	0.5	0.4	0.5	0.9				

**Description:**

The Long Range Advanced Scout Surveillance System (LRAS3) is a long range reconnaissance and surveillance system operable 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 will enable information superiority by interfacing with Force XXI Battle Command Brigade and Below (FBCB2) to provide target acquisition and FTL information, which supports early and accurate intelligence preparation of the battlespace. LRAS3 utilizes the Horizontal Technology Integration (HTI) Second Generation FLIR (SGF) thermal sensor, enabling 24 hours a day operations in adverse weather and penetrate battlefield obscurants. 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 supports 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 SBCTs. This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY 04/05 procures LRAS3 systems which will be fielded to the 1st Infantry Division, 76th Armored Cavalry Regiment, 3rd Infantry Division, 5th and 6th Stryker Brigade Combat Teams (SBCT), and the First Armored Division, directly supporting the Army Order of Precedence (AOP) and the Unit Set Fielding Modernization schedule.

<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: LONG RANGE ADVANCED SCOUT SURVEILLANCE SYSTEM (K38300)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
K38300 LRAS3	A	32541	80	407	43832	105	417	45784	110	416	45155	112	403
Engineering Support		1817			1954			1564			1602		
Project Management Admin		606			651			521			534		
Engineering Change Orders		1500			971			1060			1039		
Testing		764			1169			1196			1218		
Fielding													
Interim Contractor Support		3447											
<b>Total</b>		<b>40675</b>			<b>48577</b>			<b>50125</b>			<b>49548</b>		
<b>Total</b>		<b>40675</b>			<b>48577</b>			<b>50125</b>			<b>49548</b>		

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

Date:  
February 2003

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)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>K38300 LRAS3</b>										
FY 2002	Raytheon Systems Co. McKinney, TX	C/FPM5-3	CECOM	Feb 02	Feb 03	80	407	Yes		
FY 2003	Raytheon Systems Co. McKinney, TX	C/FPM5-4	CECOM	Jan 03	Mar 04	105	417	Yes		
FY 2004	Raytheon Systems Co. McKinney, TX	C/FPM5-5	CECOM	Dec 03	Feb 05	110	416	Yes		
FY 2005	Raytheon Systems Co. McKinney, TX	Option	CECOM	Dec 04	Feb 06	112	403	Yes		

REMARKS:









# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: P-1 Item Nomenclature  
Other Procurement, Army /2/Communications and Electronics Equipment LTWT VIDEO RECON SYSTEM (LWVRS) (K30800)

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

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty	392	21	13	391								817
Gross Cost	17.1	1.2	1.3	13.9								33.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	17.1	1.2	1.3	13.9								33.5
Initial Spares												
Total Proc Cost	17.1	1.2	1.3	13.9								33.5
Flyaway U/C												
Wpn Sys Proc U/C		0.1	0.1	0.0								

**Description:**

The AN/PVH 1&2, Lightweight Video Reconnaissance System (LVRS) supports the Army Transformation by enhancing situational awareness during all light conditions especially low light and low visibility operations. The LVRS captures and transmits still frame video images through military radios and provides near real-time intelligence to gain and retain the initiative, expedite the decision-action cycle, and facilitate the establishment of a common operating picture of the battlefield at the tactical level of war. The images are captured with a portable Out Station LVRS (AN/PVH-1) that also enables the user to attach operational intelligence messages and then transmit the captured images and intelligence to the Base Station LVRS (AN/PVH-2) for intelligence analysis and further dissemination. The LVRS provides the first day/night image transmission capability between ground scouts, long range surveillance units (LRS), and special operation forces (SOF), and their higher headquarters, facilitating rapid target identification and analysis of key structures/terrain and other data critical to mission planning/execution. LVRS supports the Army Transformation while upholding the Army Objective Force tenets of lethality, mobility, and survivability. LVRS enhances situational awareness by providing relevant real-time information for evaluation. LVRS permits infantry-based forces to gain and maintain information superiority, and enhances the ability to dominate and win the close fight with individual combatant overmatch across the full spectrum of conflict. LVRS will enable the Legacy, Interim, and Objective Forces to dominate Battlefield Functional Areas (BFA) of Maneuver and Intelligence, Surveillance, and Reconnaissance. LVRS enhances Legacy Force situational awareness during daylight and limited visibility operations and will facilitate Interim and Objective Force survivability and lethality while capitalizing on advances in technology. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

There is no funding request for FY04/05

<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: LTWT VIDEO RECON SYSTEM (LWVRS) (K30800)			Weapon System Type:			Date: February 2003			
<b>OPA2 Cost Elements</b>		ID	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
			\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
AN/PVH-1&2 LVRS (Base & Out Stations)		A	391	13	30.1	11886	391	30.4						
Project Management Admin			608			905								
Government Engineering			195			198								
Fielding			65			611								
Interim Contractor Support			64			69								
ECP						180								
Testing						82								
<b>Total</b>			<b>1323</b>			<b>13931</b>								
<b>Total</b>			<b>1323</b>			<b>13931</b>								

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

Date:  
February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: LTWT VIDEO RECON SYSTEM (LWVRS) (K30800)					
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/PVH-1&amp;2 LVRS (Base &amp; Out Stations)</b>										
FY 2002	Phototelesis San Antonio, TX	SS/FP	CECOM	Jun 02	Jan 03	13	30	Yes		
FY 2003	Phototelesis San Antonio, TX	Option	CECOM	Jan 03	Aug 03	391	30	Yes		

REMARKS:





# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: P-1 Item Nomenclature  
Other Procurement, Army /2/Communications and Electronics Equipment NIGHT VISION, THERMAL WPN SIGHT (K22900)

Program Elements for Code B Items: Code: A Other Related Program Elements: 64710A DL70

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty	4720	1328	2253	2638	3104	4264	4074	4927	3764	3950	Continuing	Continuing
Gross Cost	171.6	36.0	36.3	50.7	50.5	67.5	78.2	84.5	69.7	70.7		
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	171.6	36.0	36.3	50.7	50.5	67.5	78.2	84.5	69.7	70.7	Continuing	Continuing
Initial Spares												
Total Proc Cost	171.6	36.0	36.3	50.7	50.5	67.5	78.2	84.5	69.7	70.7	Continuing	Continuing
Flyaway U/C												
Wpn Sys Proc U/C		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

**Description:**

The AN/PAS-13 Thermal Weapon Sight (TWS) program supports the Army Transformation 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 is able to insert advanced imaging technologies as the Army transforms. 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 is the thermal imaging target acquisition component of the Land Warrior program. TWS is also a Horizontal Technology Integration (HTI) program, and is procured with the Driver's Vision Enhancer (DVE) as part of the Thermal Onmbus contract approach. TWS upholds the Army Objective Force tenets of lethality, mobility, and survivability while emphasizing the "Soldier as a System." TWS enables Legacy, Interim, and Objective Forces to dominate and win the close fight with individual combatant overmatch during day, night, and low visibility operations across the full spectrum of conflict. TWS will be fielded for use with Stryker Brigade Combat Team (SBCT) dismounted soldiers. TWS satisfies an immediate capability gap providing thermal imagery for the Legacy and Interim Force individual soldier and is poised to capitalize on advances in technology providing revolutionary enhancements for the Objective Force in all operating environments. The TWS program supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/05 procures TWS systems for fielding to Special Operations Forces, 25th Infantry, 10th Mountain Division, 82nd Airborne, 101st Airborne, SBCT, and TRADOC. TWS is an integral component of night time operations and upholds the Army Objective Force tenets of lethality, mobility, and survivability while emphasizing the "Soldier as a 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: NIGHT VISION, THERMAL WPN SIGHT (K22900)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
AN/PAS-13 Thermal Weapon Sight (TWS)	A												
AN/PAS-13 TWS Heavy		4561	256	17.8	8124	456	17.8	14579	855	17.5	11028	619	17.8
AN/PAS-13 TWS Medium		12424	797	15.6	13218	795	16.6	3361	189	17.8	21982	1288	17.7
AN/PAS-13 TWS Light		11437	1200	9.5	12160	1387	8.8	20528	2060	10.0	22705	2357	9.6
Qualification Hardware					5622			2253					
Government Engineering Support		850			950			967			984		
Project Management Admin		951			1156			1176			1197		
Fielding		1991			3644			3869			5355		
Contractor Engineering Support		1067			1173			1193			1214		
Interim Contractor Support		599			778			791			805		
Testing		550			1450			1235			1540		
ECP		451			785			552			662		
Contractor Logistic Support					1602								
Borelights		1400											
<b>Total</b>		<b>36281</b>			<b>50662</b>			<b>50504</b>			<b>67472</b>		
<b>Total</b>		<b>36281</b>			<b>50662</b>			<b>50504</b>			<b>67472</b>		

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

Date:  
February 2003

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 2002	Raytheon Dallas, TX	C/FPM	CECOM	Feb 02	Dec 02	1053	17	Yes		
FY 2002	Raytheon Dallas, TX	C/FPM	CECOM	May 02	May 03	1200	10	Yes		
FY 2003	Raytheon Dallas, TX	C/FPM	CECOM	Jan 03	Nov 03	2638	14	Yes		
FY 2004	Raytheon Dallas, TX	C/FPM	CECOM	Jan 04	Nov 04	1044	17	Yes		
FY 2004	TBS	C/FPM	CECOM	Feb 04	Dec 04	2060	10	Yes		
FY 2005	TBS	C/FPM	CECOM	Jan 05	Nov 05	4264	14	Yes		

REMARKS:



FY 02 / 03 BUDGET PRODUCTION SCHEDULE							P-1 Item Nomenclature: NIGHT VISION, THERMAL WPN SIGHT (K22900)													Date: February 2003														
COST ELEMENTS	MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Fiscal Year 02													Fiscal Year 03					LATER									
							Calendar Year 02													Calendar Year 03														
							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/PAS-13 Thermal Weapon Sight (TWS)																																		
	1	FY 01 & PR	A	8352	3364	4988	686	538	163	0	0	368	420	72	520	136	0	612	29	334	168	125	232	211	159	135	80				0			
	1	FY 01 & PR	OTH	967	0	967					36				83	33	152	143	8	168	12	112	116	46	29	29					0			
	1	FY 02 SBCT	A	256	0	256			A											144	25	25	25	34	3						0			
	1	FY 02	A	1053	0	1053				A											53	53	53	135	128	26	57	110	38	200	200			
	1	FY 02	A	1200	0	1200							A														50	100	100	100	100	750		
	1	FY 02	AF	8	0	8							A																		8	0		
	1	FY 02	MC	1032	0	1032				A																			132	235	235	235	195	0
	1	FY 03 SBCT	A	106	0	106																	A										106	
	1	FY 03	A	2638	0	2638																	A										2638	
	1	FY 03	MC	1099	0	1099																	A										1099	
	1	FY 04 SBCT	A	106	0	106																											106	
	1	FY 04	A	1044	0	1044																											1044	
	2	FY 04	A	2060	0	2060																											2060	
	2	FY 05 SBCT	A	106	0	106																											106	
	2	FY 05	A	4264	0	4264																											4264	
Total																																		
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				
MFR	NAME/LOCATION	PRODUCTION RATES			REACHED D+	MFR Number	ADMINLEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS																							
		MIN.	1-8-5	MAX.			Prior 1 Oct	After 1 Oct																										
1	Raytheon, Dallas, TX	200.00	320.00	531.00	120	1	INITIAL	4	4	12	16																							
							REORDER	1	1	10	11																							
2	TBS	200.00	320.00	800.00	180	2	INITIAL	4	4	12	16																							
							REORDER	1	1	10	11																							
							INITIAL																											
							REORDER																											
							INITIAL																											
							REORDER																											

FY 04 / 05 BUDGET PRODUCTION SCHEDULE							P-1 Item Nomenclature: NIGHT VISION, THERMAL WPN SIGHT (K22900)													Date: February 2003											
COST ELEMENTS	MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Fiscal Year 04												Fiscal Year 05												LATER
							Calendar Year 04						Calendar Year 05																		
							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/PAS-13 Thermal Weapon Sight (TWS)																															
	1	FY 01 & PR	A	8352	8352	0																						0			
	1	FY 01 & PR	OTH	967	967	0																						0			
	1	FY 02 SBCT	A	256	256	0																						0			
	1	FY 02	A	1053	853	200	200																					0			
	1	FY 02	A	1200	450	750	100	100	100	100	100	125	125															0			
	1	FY 02	AF	8	8	0																						0			
	1	FY 02	MC	1032	1032	0																						0			
	1	FY 03 SBCT	A	106	0	106		18	18	18	18	18	16															0			
	1	FY 03	A	2638	0	2638		220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	0			
	1	FY 03	MC	1099	0	1099		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0			
	1	FY 04 SBCT	A	106	0	106					A																	0			
	1	FY 04	A	1044	0	1044					A																	0			
	2	FY 04	A	2060	0	2060					A																	340			
	2	FY 05 SBCT	A	106	0	106																						106			
	2	FY 05	A	4264	0	4264																						4264			
Total																															
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
MFR	NAME/LOCATION	PRODUCTION RATES				REACHED D+	MFR Number	ADMINLEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS																			
		MIN.	1-8-5	MAX.				Prior 1 Oct	After 1 Oct																						
1	Raytheon, Dallas, TX	200.00	320.00	531.00	120	1	INITIAL	4	4	12	16																				
							REORDER	1	1	10	11																				
2	TBS	200.00	320.00	800.00	180	2	INITIAL	4	4	12	16																				
							REORDER	1	1	10	11																				
							INITIAL																								
							REORDER																								
							INITIAL																								
							REORDER																								

FY 06 / 07 BUDGET PRODUCTION SCHEDULE							P-1 Item Nomenclature: NIGHT VISION, THERMAL WPN SIGHT (K22900)													Date: February 2003											
COST ELEMENTS	MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Fiscal Year 06												Fiscal Year 07												LATER
							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	
AN/PAS-13 Thermal Weapon Sight (TWS)																															
	1	FY 01 & PR	A	8352	8352	0																							0		
	1	FY 01 & PR	OTH	967	967	0																							0		
	1	FY 02 SBCT	A	256	256	0																							0		
	1	FY 02	A	1053	1053	0																							0		
	1	FY 02	A	1200	1200	0																							0		
	1	FY 02	AF	8	8	0																							0		
	1	FY 02	MC	1032	1032	0																							0		
	1	FY 03 SBCT	A	106	106	0																							0		
	1	FY 03	A	2638	2638	0																							0		
	1	FY 03	MC	1099	1099	0																							0		
	1	FY 04 SBCT	A	106	106	0																							0		
	1	FY 04	A	1044	1044	0																							0		
	2	FY 04	A	2060	1720	340	340																						0		
	2	FY 05 SBCT	A	106	0	106		18	18	18	18	18	16																0		
	2	FY 05	A	4264	0	4264		348	348	348	348	348	363	363	363	363	363	361											0		
Total																															
OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP																															
MFR	NAME/LOCATION	PRODUCTION RATES			REACHED D+	MFR Number	ADMINLEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS																				
		MIN.	1-8-5	MAX.			Prior 1 Oct	After 1 Oct																							
1	Raytheon, Dallas, TX	200.00	320.00	531.00	120	1	INITIAL	4	4	12	16																				
							REORDER	1	1	10	11																				
2	TBS	200.00	320.00	800.00	180	2	INITIAL	4	4	12	16																				
							REORDER	1	1	10	11																				
							INITIAL																								
							REORDER																								
							INITIAL																								
							REORDER																								

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment  
 P-1 Item Nomenclature: COMBAT IDENTIFICATION / AIMING LIGHT (BA0515)

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

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty		80	1	1								82
Gross Cost		10.9	10.0	6.8								27.7
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)		10.9	10.0	6.8								27.7
Initial Spares												
Total Proc Cost		10.9	10.0	6.8								27.7
Flyaway U/C												
Wpn Sys Proc U/C		0.1		6.8								

**Description:**

The Individual Combat Identification System (ICIDS) was terminated by the Army. The decision to cancel the Individual-Combat Identification System (I-CIDS) program in FY 02 was precipitated by the need to fund other high priority programs supporting Army Transformation. The Army recognizes the need to protect soldiers on the battlefield and has already transferred the funding and technology from the ICIDS program to the Land Warrior program in order to integrate this capability into the Land Warrior System. The ICIDS Milestone Decision Authority and Program Executive Office Soldier approved a transition plan detailing the transfer of technology and PM Land Warrior is using these funds to integrate this capability and the technologies into the Land Warrior System.

The existing program was restructured to produce ICIDS/Land Warrior compatible equipment, with technology to support the Objective Force. The system will fulfill requirements in the Operational Requirements Document (ORD) for use by Army, Marine and Special Operations Forces. Survivability is one of the seven tenets of the Army Transformation Strategy and LW/ICIDS represents an integral part of that strategy as it works to reduce incidents of fratricide and increase combat effectiveness.

The Advanced Aviation Institutional Training Simulator (AAITS) program was a Congressional Add in FY02 and FY03. This funding was placed in the Combat Identification/Aiming Light procurement line. The FY02 Congressional Add procured a motion cued virtual collective task training device in a UH-60L Blackhawk configuration that emulates a live UH-60 aircraft system. The simulator will contain UH-60L Blackhawk flight stations and controls for a pilot and a co-pilot. The UH-60L simulation device will be located in the Aviation Warfighting Simulation Center at Fort Rucker, Alabama. The FY03 Congressional Add will procure a virtual training simulator in an OH-58D Kiowa Warrior configuration that will emulate this aircraft in all anticipated flight envelopes. The simulator will also contain OH-58D flight stations and controls for a pilot and co-pilot. The OH-58D simulator's physical location is to be determined.

**Justification:**

There is no funding request for FY04/05.

<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 / AIMING LIGHT (BA0515)			Weapon System Type:			Date: February 2003			
<b>OPA2 Cost Elements</b>		ID	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
1. ICIDS Remodulation			4000											
2. Project Management Admin			1362											
3. Demonstrations			1000											
4. Technical Data			163											
5. System Test and Evaluation			748											
6. ECOs			191											
7. Fielding/Other Procurement														
8. Training Devices			2500	1	2500	6811	1	6811						
<b>Total</b>			<b>9964</b>			<b>6811</b>								

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

Date:  
February 2003

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

Weapon System Type:

P-1 Line Item Nomenclature:  
COMBAT IDENTIFICATION / AIMING LIGHT (BA0515)

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1. ICIDS Remodulation</b>										
FY 2001	General Dynamics Scottsdale, AZ	SS/FP	CECOM, Ft. Monmouth, NJ	Sep 01	Mar 03	80	40	No	NA	Mar 01
FY 2002	General Dynamics Scottsdale, AZ	SS/Option	CECOM, Ft. Monmouth, NJ	Jun 02						
<b>8. Training Devices</b>										
FY 2002	TBD	C/FP	CECOM, Ft. Monmouth, NJ	Feb 03	Feb 04	1	2500	No	NA	Oct 02
FY 2003	TBD	C/FP	CECOM, Ft. Monmouth, NJ	Jun 03	Jun 04	1	6811	No	NA	Mar 03
	TBD									

REMARKS: Sole source contract is required because General Dynamics is the only responsible source. No other supplies or services will satisfy this agency's requirements. A competitive action would result in significant duplication of non-recurring costs and delay fielding.

In FY03, two competitive contracts will be awarded to procure the AAITs simulator devices. The contract award in February 2003 will procure one Blackhawk aviation simulator. The contract award in June 2003 will procure one KIOWA Warrior aviation simulator.







# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment  
 P-1 Item Nomenclature: ARTILLERY ACCURACY EQUIP (AD3200)

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

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty		117	120	108	130	74	81	82	82			794
Gross Cost	347.2	14.3	6.6	5.3	13.6	11.9	13.1	13.3	8.1	0.8		434.0
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	347.2	14.3	6.6	5.3	13.6	11.9	13.1	13.3	8.1	0.8		434.0
Initial Spares												
Total Proc Cost	347.2	14.3	6.6	5.3	13.6	11.9	13.1	13.3	8.1	0.8		434.0
Flyaway U/C												
Wpn Sys Proc U/C		0.1	0.1	0.1	0.2							

**Description:**

Artillery Accuracy Equipment involves the procurement of 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 included procurement of the Meteorological Measuring System(K27800), Artillery Muzzle Velocity System (AD3250) and Improved Position and Azimuth Determining System (M75700).

These system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TPC).

**Justification:**

FY04/05 procures the Muzzle Velocity System (MVS) and the Improved Position and Azimuth Determining system (IPADS) in support of fielded units and readiness requirements.

<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: ARTILLERY ACCURACY EQUIP (AD3200)			Weapon System Type:			Date: February 2003			
<b>OPA2 Cost Elements</b>		ID	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Artillery Muzzle Velocity System			6551			3295			2466					
Meterological Measuring System						1961			11128			11933		
Position Azimuth Determining System (PAD)														
<b>Total</b>			<b>6551</b>			<b>5256</b>			<b>13594</b>			<b>11933</b>		

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment  
 P-1 Item Nomenclature: ARTY MUZZLE VELOCITY SYSTEM (AD3250)

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

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty	643	103	120	100	60							1026
Gross Cost	38.6	3.4	6.6	3.3	2.5							54.4
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	38.6	3.4	6.6	3.3	2.5							54.4
Initial Spares												
Total Proc Cost	38.6	3.4	6.6	3.3	2.5							54.4
Flyaway U/C												
Wpn Sys Proc U/C		0.0	0.1	0.0	0.0							

**Description:**

The conventional Muzzle Velocity System (MVS) is a Doppler Radar System which measures the muzzle velocity of artillery projectiles. It consists of weapon-mounted antenna connected to a display unit. The display will provide the muzzle velocity of the last round fired. The MVS will also compute weapon calibration data and store that data. A separate Paladin version of MVS is being fielded for use with the M109A6 Paladin Howitzer. It does not require a display and will be integrated into the M109A6 Paladin Automatic Fire Control System. The MVS will enhance artillery accuracy and first round hit probability. This will decrease projectile and propellant usage and reduce the requirements to adjust fire on target. The MVS will also provide an automated method for calculating and storing weapon calibration data. The MVS is being procured as a non-developmental item (NDI) which includes acquisition of provisioning data, manuals, and related hardware for the conventional system; i.e., Muzzle Velocity Communications Adapters (MCA). Procurement quantity reflects the total combined M94 and M93 MVS procurements.

This system supports the Current transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04 procures the final quantities of Muzzle Velocity Systems and related hardware to fully support both the conventional and Paladin fleet.

The quantity of Muzzle Velocity Systems (MVS) to be procured in FY03 is a combination of M93 (Paladin) MVS to use as floats during upcoming retrofit, and M94 (Conventional) MVS. The overall requirements for M93 (Paladin) MVS has been decreased due to pending contract award of the Paladin Digital Fire Control System (PDFCS). The M93 will not be fielded one per gun, but what we currently have will be retrofitted.

<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: ARTY MUZZLE VELOCITY SYSTEM (AD3250)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>		<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
ID CD		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
1. Hardware MVS		5436			2428	100	24.3	2080	60	34.7			
2. Interi Contractor Supp		590			294			238					
3. Engineering Support		200			76			37					
4. Quality Assurance		50			76			37					
5. Logistics Support		245			391			37					
6. Fielding/NET		30			30			37					
<b>Total</b>		<b>6551</b>			<b>3295</b>			<b>2466</b>					

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

Date:  
February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: ARTY MUZZLE VELOCITY SYSTEM (AD3250)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1. Hardware MVS</b>										
FY 2003	RSL Electronics Poughkeepsie, NY	SS/FFP	TACOM-Rock Island	Mar 03	Jul 03	100	24	Y	N	
FY 2004	RSL Electronics Poughkeepsie, NY	SS/FFP	TACOM-Rock Island	Nov 04	Mar 04	60	35	Y	N	

REMARKS: The FY 03-04 procurement quantities are for the balance of the M94 MVS and the procurement of M94 MVS Communications Adaptors (MCA) which are planned for fielding to each non-Paladin 155MM tube and each 105MM tube. Small quantity of M93 MVS to be used as float quantity during upcoming retrofit.





# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature METEOROLOGICAL MEASURING SYS (K27800)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty	116	14										130
Gross Cost	130.9	10.8										141.7
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	130.9	10.8										141.7
Initial Spares												
Total Proc Cost	130.9	10.8										141.7
Flyaway U/C												
Wpn Sys Proc U/C		0.8										

**Description:**

The Meteorological Measuring System (MMS) provides field artillery weather data to the active Army. It is an upper air meteorological data collection, processing and dissemination system that provides necessary data to field artillery, target acquisition, and air weather service to improve their mission capability. It is mobile, provides high altitude Met Data to USAF Weather Service, radiological fallout data to the chemical sections, meet roll on/roll off HMMWV requirements data to 30KM.

This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP)

**Justification:**

There is no funding request for FY04/05



# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature POSITION AZIMUTH DETERMINING SYS (PADS) (M75700)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty	453			8	70	74	81	82	42			810
Gross Cost	177.7			2.0	11.1	11.9	13.1	13.3	8.1	0.8		238.0
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	177.7			2.0	11.1	11.9	13.1	13.3	8.1	0.8		238.0
Initial Spares												
Total Proc Cost	177.7			2.0	11.1	11.9	13.1	13.3	8.1	0.8		238.0
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The Improved Position and Azimuth Determining System (IPADS) supports modernization of the Army's Field Artillery and Air Defense 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 will leverage technology advances, substantially improve reliability, and provide a digital communications capability to meet the needs of the Army of the Future. This system supports the Legacy to Objective path of the Transformation Campaign Plan (TCP).

**Justification:**

FY03 procures low technical risk NDI test articles (8 each) and refurbishes them for initial fielding into Army inventory.

FY04/05 procures 144 IPADS to begin the replacement of the obsolete PADS with a significantly more reliable and technologically advanced product.

<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: POSITION AZIMUTH DETERMINING SYS (PADS) (M75700)			Weapon System Type:			Date: February 2003			
<b>OPA2 Cost Elements</b>		ID	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
1. Hardware						1680	8	210.000	11128	70	158.971	11673	74	157.743
2. Engineering Support												25		
3. Logistics Support												100		
4. Total Package Fielding (TPF)												35		
5. Program Mgmt						281						100		
<b>Total</b>						<b>1961</b>			<b>11128</b>			<b>11933</b>		

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1. Hardware</b>										
FY 2003	TBD	C-FP	Rock Island, IL	May 03	Aug 03	8	210	yes	Nov-02	Dec-02
FY 2004	TBD	C-FP	Rock Island, IL	May 04	Oct 04	70	159	yes	Nov-02	Dec-02
FY 2005	TBD	C-FP	Rock Island, IL	Jan 05	Aug 05	74	158	yes	Nov-02	Dec-02

REMARKS:









# Exhibit P-40, Budget Item Justification Sheet

Date:

February 2003

Appropriation/Budget Activity/Serial No:

Other Procurement, Army /2/Communications and Electronics Equipment

P-1 Item Nomenclature

MOD OF IN-SVC EQUIP (MMS) (AD3255)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost			0.9	0.3	0.6	0.5	0.3	0.4				3.1
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)			0.9	0.3	0.6	0.5	0.3	0.4				3.1
Initial Spares												
Total Proc Cost			0.9	0.3	0.6	0.5	0.3	0.4				3.1
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The Meteorological Measuring System (MMS) provides field artillery weather data to the active Army to achieve required capability. It is an upper air meteorological data collection, processing and dissemination system that provides necessary data to field artillery, target acquisition, and air weather service to improve their mission capability. It is mobile, and provides high altitude Met Data to USAF Weather Service, radiological fallout data to the chemical sections, meet roll on/roll off High Mobility Multipurpose Wheeled Vehicle (HMMWV) requirements data to 30KM. This system support the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/05 procures supports additional National Guard MMS requirements. The MMS provides meteorological data to field artillery units to improve their firing accuracy. Current systems do not have the digital format capabilities that will be required for all artillery systems. It is critical to replace current systems with the MMS to improve the combat capability.





# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature MOD OF IN-SVC EQUIP (MVS) (AD3265)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost			0.2	0.3	0.3	0.3						1.1
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)			0.2	0.3	0.3	0.3						1.1
Initial Spares												
Total Proc Cost			0.2	0.3	0.3	0.3						1.1
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The Muzzle Velocity System/Muzzle Velocity Communications Adapters (MVS/MCA) Mod-In-Service line will allow for software upgrades to 1,059 M94 MVS and 1,322 MCA, to maintain interface compatibility with various other pieces of DOD hardware, end items and support equipment currently fielded; i.e. Battery Computer System (BCS) and Field Artillery Tactical Data System (FATDS). This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/05 procures software upgrades to 1,059 M94 MVS, and 1,322 MCA, to maintain interface compatibility with other pieces of DOD hardware, end items, and support equipment. It also ensures that resources are available for future DOD systems such as Light Weight 155MM, and other new requirements that are unknown at this time.

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature PROFILER (K27900)
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Program Elements for Code B Items: 0604710A L75	Code: B	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty				3	10	10	15	16	10	7		71
Gross Cost				4.7	12.6	11.6	16.9	18.0	13.6	9.2		86.6
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)				4.7	12.6	11.6	16.9	18.0	13.6	9.2		86.6
Initial Spares												
Total Proc Cost				4.7	12.6	11.6	16.9	18.0	13.6	9.2		86.6
Flyaway U/C												
Wpn Sys Proc U/C				1.6	1.3	1.2	1.1	1.1	1.4	1.3		

**Description:**

Profiler will employ remote and local sensing of the atmosphere, mesoscale modeling and enhanced computing capabilities to provide target area and more timely meteorological data. Profiler will be fielded during FY05-FY10, replacing the Legacy Force Meteorological Measuring Set (MMS) systems in support of the Objective Force. Profiler replaces the current AN/TMQ-41 MMS. By providing more accurate meteorological data messages, Profiler will enable the artillery to have a greater probability of a first round hit with indirect fire systems than is achievable with the current MMS. The new capabilities will increase the lethality of field artillery systems such as Multiple Launch Rocket Systems, towed and self-propelled cannons. This effort will increase the accuracy of a wide range of deep fire weapons and munitions, and ultimately reduce total cost of ownership to the Army. This capability is to be fielded to the Stryker Brigade Combat Teams plus Objective Force units. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/05 procures systems to be fielded to the Stryker Brigade Combat Teams and initiate the production line for orderly ramp up.

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: PROFILER (K27900)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Profiler Hardware - MMS-P					2403	3	801	7709	10	771	7496	10	750
Hardware - GFE					401			1920			1306		
Project Management Admin					328			1018			930		
Engineering Change Orders					72			231			225		
Institutional Training Devices													
System Test & Evaluation					243			923					
Data					24			77			75		
Fielding/Transportation/NET/CLS					228			713			1595		
Other Procurement					1044								
<b>Total</b>					<b>4743</b>			<b>12591</b>			<b>11627</b>		

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

Date:  
February 2003

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

Weapon System Type:

P-1 Line Item Nomenclature:  
PROFILER (K27900)

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Profiler Hardware - MMS-P</b>										
FY 2003	Smiths Detection Edgewood, MD	SS/FFP(O)	CECOM	May 03	May 04	3	801	Y	Oct 02	
FY 2004	Smiths Detection Edgewood, MD	SS/FFP(O)	CECOM	Jan 04	Dec 05	10	771	Y	Oct 02	
FY 2005	Smiths Detection Edgewood, MD	SS/FFP(O)	CECOM	Nov 04	Oct 05	10	750	Y	Oct 02	

REMARKS: Unit Costs exclude Government Furnished Equipment (GFE).









# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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

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

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	401.6	23.3	21.0	32.4	35.2	12.6	3.5	9.2	9.3	1.7		549.7
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	401.6	23.3	21.0	32.4	35.2	12.6	3.5	9.2	9.3	1.7		549.7
Initial Spares												
Total Proc Cost	401.6	23.3	21.0	32.4	35.2	12.6	3.5	9.2	9.3	1.7		549.7
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

MOD IN-SERVICE EQUIPMENT (TAC SURV) 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 is designed to meet the Army's critical need to quickly and accurately locate the large number and variety of hostile indirect fire weapons it may face. 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-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.

These systems support the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/05 Procures the following:

- a. Procurement and fielding of AN/TPQ-36(V)8 modification kits to correct deficiencies in range, false target rate, target throughput, target classification and displacement to resolve obsolescence issues.
- b. Fielding of Fire Support Digitization hardware/software required to upgrade AN/TPQ-37s to sustain Advanced Field Artillery Tactical Data System (AFATDS) connectivity and provide Joint Technical Architecture-Army (JTA-A) compliance.
- c. Procurement and fielding of Modular Azimuth Positioning System (MAPS) Hybrid to the Firefinder systems in order to provide self-survey capability.
- d. Procurement of support hardware and costs associated with fielding the AN/TPQ-37 to Stryker Brigade Combat Teams (SBCTs).
- e. Consolidation of multiple individual operational software builds into a single Multi-mode operational software package for the AN/TPQ-37 to allow operators to alter their mission focus "on the fly".

# Exhibit P-40M, Budget Item Justification Sheet

Date:

February 2003

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

P-1 Item Nomenclature  
MOD OF IN-SVC EQUIP (TAC SURV) (BZ7325)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

Description		Fiscal Years									
OSIP NO.	Classification	2002 & PR	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	TC	Total
	AN/TPQ-36(V)8 Electronics Upgrade	148.0	27.1	25.4	5.5	1.1	9.2	9.3	1.7	0.0	227.3
	AN/TPQ-36(V)8 False Location Rate Reduction (FLRR)	5.1	0.5	2.9	0.0	0.0	0.0	0.0	0.0	0.0	8.5
	AN/TPQ-37 Fire Support Digitization	6.0	1.1	1.6	0.1	0.0	0.0	0.0	0.0	0.0	8.8
	Firefinder MAPS Hybrid	2.4	1.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	4.4
	AN/TPQ-37 Software Consolidation	0.0	0.0	2.4	4.4	0.0	0.0	0.0	0.0	0.0	6.8
	AN/TPQ-37 SBCT Fieldings	0.0	2.3	2.5	2.4	2.4	0.0	0.0	0.0	0.0	9.6
	New Mod										
0-00-00-0000		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Totals	161.5	32.4	35.2	12.6	3.5	9.2	9.3	1.7	0.0	265.4

**INDIVIDUAL MODIFICATION**

Date: February 2003

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

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

DESCRIPTION/JUSTIFICATION:

The AN/TPQ-36 is the primary target acquisition and counterfire system for Field Artillery in support of Divisions, separate Brigades, and rapid deployment task forces. The AN/TPQ-36(V)8 incorporates an electronics upgrade to correct identified deficiencies 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.

To date, the Army has procured eighty (80) AN/TPQ-36(V)8 modification kits. FY04-05 funds will be used to procure an additional eight (8) modification kits and continue fielding/installation of mod kits. The AN/TPQ-36(V)8 is fielded three (3) systems per Division and one (1) system per Stryker Brigade Combat Team.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Installation Schedule:

Pr Yr	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Totals																				
Inputs	43		3	10	3	3	4	3	2	3	4	5	5							
Outputs	43		3	10	3	3	4	3	2	3	4	5	5							

	FY 2008				FY 2009				FY 2010				FY 2011				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	ADMINISTRATIVE LEADTIME:	0 Months	PRODUCTION LEADTIME:	12 Months
Contract Dates:	FY 2004	1QFY04	FY 2005	FY 2006	
Delivery Date:	FY 2004	1QFY05	FY 2005	FY 2006	

**INDIVIDUAL MODIFICATION**

Date: February 2003

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

FINANCIAL PLAN: (\$ in Millions)

	FY 2002 and Prior		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>	<b>0</b>																		
<b>Procurement</b>	<b>0</b>																			
Kit Quantity	65		15		8														88	
Equipment	0	85.6		20.4		11.9														117.9
Equipment (Non-Recurring)	0	28.1																		28.1
Ancillary Hardware	0	4.8		3.2		1.7		0.1												9.8
Data	0	3.4																		3.4
Engineering Support	0	8.0		0.8		0.7		0.4												9.9
Fielding	0	2.2		0.5		0.4		0.4		0.2										3.7
Training Equipment	0	5.1																		5.1
Pre-Mod Depot Maint	0	1.3		0.1		0.1		0.1												1.6
Computer Hdw/Sw Upgrades	0	0.3					3.3		0.5		8.9		9.0		1.5					23.5
PM Admin	0	7.2		0.7		0.7		0.4		0.1		0.3		0.3		0.2				9.9
LCU Upgrade	0			0.8		9.2														10.0
<b>Installation of Hardware</b>	<b>0</b>																			
FY2002 & Prior Equip-- Kits	43	2.0	13	0.6	9	0.5													65	3.1
FY2003 Equip-- Kits	0				4	0.2	8	0.5											12	0.7
FY2004 Equip-- Kits	0						6	0.3	5	0.3									11	0.6
FY2005 Equip-- Kits	0																			
FY2006 Equip-- Kits	0																			
FY2007 Equip-- Kits	0																			
FY2008 Equip-- Kits	0																			
FY2009 Equip-- Kits	0																			
TC Equip- Kits	0																			
<b>Total Installment</b>	<b>43</b>	<b>2.0</b>	<b>13</b>	<b>0.6</b>	<b>13</b>	<b>0.7</b>	<b>14</b>	<b>0.8</b>	<b>5</b>	<b>0.3</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>	<b>88</b>	<b>4.4</b>
<b>Total Procurement Cost</b>		<b>148.0</b>		<b>27.1</b>		<b>25.4</b>		<b>5.5</b>		<b>1.1</b>		<b>9.2</b>		<b>9.3</b>		<b>1.7</b>		<b>0.0</b>		<b>227.3</b>

**INDIVIDUAL MODIFICATION**

Date: February 2003

MODIFICATION TITLE: AN/TPQ-37 Fire Support Digitization [MOD 3]

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 AFATDS connectivity and provide Joint Technical Architecture-Army (JTA-A) compliance. The new hardware will include a Versatile Computer Unit (VCU) and TACFIRE Control Interface Module (TCIM).

FY04/FY05 funds the procurement of hardware/software and installation of the kits and fielding to Active Army and National Guard units. The AN/TPQ-37 system is fielded two (2) per Division and one (1) per Brigade Combat Team. Quantity of 57 fulfills total Army AAO.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

IOC was accomplished with the First Digitized Division (FDD) fielding in 4QFY00. FY02/FY03 funded procurement of fifty-five (55) modification kits to fulfill the total Army requirement. Fielding will begin in 1QFY04.

Installation Schedule:

Pr Yr	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Totals																				
Inputs	2				12	12	12	12	7											
Outputs	2				12	12	12	12	7											

	FY 2008				FY 2009				FY 2010				FY 2011				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		57
Outputs																		57

METHOD OF IMPLEMENTATION:	Contractor	ADMINISTRATIVE LEADTIME:	0 Months	PRODUCTION LEADTIME:	9 Months
Contract Dates:	FY 2004		FY 2005		FY 2006
Delivery Date:	FY 2004		FY 2005		FY 2006

**INDIVIDUAL MODIFICATION**

Date: February 2003

MODIFICATION TITLE (Cont): AN/TPQ-37 Fire Support Digitization [MOD 3]

FINANCIAL PLAN: (\$ in Millions)

	FY 2002 and Prior		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		TC		TOTAL		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
	<b>RD&amp;E</b>	0																			
<b>Procurement</b>	0																				
Kit Quantity	57																		57		
Installation Kits (Trailer)	0	0.2		0.8		0.8															1.8
Installation Kits, Nonrecurring	0																				
Equipment	0	2.9		0.1		0.1															3.1
Equipment, Nonrecurring	0	0.3																			0.3
Integration	0	0.2																			0.2
Engineering Support	0	0.7		0.1		0.1															0.9
SEC/Training	0	0.2																			0.2
Trainer	0	0.6																			0.6
PM Admin	0	0.5		0.1		0.1															0.7
Contractor Support	0	0.3				0.1															0.4
<b>Installation of Hardware</b>	0																				
FY2002 & Prior Equip-- Kits	2	0.1			48	0.4	7	0.1												57	0.6
FY2003 Equip-- Kits	0																				
FY2004 Equip-- Kits	0																				
FY2005 Equip-- Kits	0																				
FY2006 Equip-- Kits	0																				
FY2007 Equip-- Kits	0																				
FY2008 Equip-- Kits	0																				
FY2009 Equip-- Kits	0																				
TC Equip- Kits	0																				
<b>Total Installment</b>	2	0.1		0.0	48	0.4	7	0.1		0.0		0.0		0.0		0.0		0.0	57	0.6	
<b>Total Procurement Cost</b>		6.0		1.1		1.6		0.1		0.0		0.0		0.0		0.0		0.0			8.8

**INDIVIDUAL MODIFICATION**

Date: February 2003

MODIFICATION TITLE: AN/TPQ-37 Software Consolidation [MOD 5]

MODELS OF SYSTEM AFFECTED: AN/TPQ-37

DESCRIPTION/JUSTIFICATION:

The Firefinder AN/TPQ-37 is a phased array Artillery Locating Radar. Multiple unique missions have resulted in the development of mission specific operational software programs for the AN/TPQ-37. Each of these unique enhancements requires the radar system operator to initialize the radar system from scratch. This action takes the radar system off-line for up to twenty (20) minutes. Combining these capabilities into a single Multi-mode operational software package will allow the Commander to direct switching of the radar system to one of these mission specific modes "on the fly" in less than 30 seconds.

FY04/05 funds the integration, live-fire testing, and fielding of the Multi-mode operational software package. The AN/TPQ-37 system is fielded two (2) per Division and one (1) per Brigade Combat Team. The Multi-mode software package would be fielded to all AN/TPQ-37s in the Army.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Non-Recurring Engineering (NRE) efforts to integrate multiple individual operational software builds into one program are scheduled for FY04. Live Fire Testing and fielding of the software is scheduled for FY05.

Installation Schedule:

Pr Yr	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007								
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
Inputs																									
Outputs																									
Pr Yr	FY 2008				FY 2009				FY 2010				FY 2011				To Complete	Totals							
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4									
Inputs																									0
Outputs																									0

METHOD OF IMPLEMENTATION:

Contract Dates:	FY 2004	ADMINISTRATIVE LEADTIME:	0 Months	PRODUCTION LEADTIME:	0 Months
Delivery Date:	FY 2004				

**INDIVIDUAL MODIFICATION**

Date: February 2003

MODIFICATION TITLE (Cont): AN/TPC-37 Software Consolidation [MOD 5]

FINANCIAL PLAN: (\$ in Millions)

	FY 2002 and Prior		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RD&amp;E</b>																			
<b>Procurement</b>																				
Kit Quantity																				
Installation Kits																				
Installation Kits, Nonrecurring																				
Equipment																				
Equipment, Nonrecurring						1.8		1.7												3.5
Data																				
Engineering Support						0.3		0.4												0.7
Testing								1.7												1.7
Fielding								0.4												0.4
PM Admin						0.3		0.2												0.5
<b>Installation of Hardware</b>																				
FY 2002 & Prior Equip -- Kits																				
FY 2003 -- Kits																				
FY 2004 Equip -- Kits																				
FY 2005 Equip -- Kits																				
FY 2006 Equip -- Kits																				
FY 2007 Equip -- Kits																				
FY 2008 Equip -- Kits																				
FY 2009 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
Total Procurement Cost		0.0		0.0		2.4		4.4		0.0		0.0		0.0		0.0		0.0		6.8



**INDIVIDUAL MODIFICATION**

Date: February 2003

MODIFICATION TITLE: AN/TPQ-37 SBCT Fieldings [MOD 6]

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

DESCRIPTION/JUSTIFICATION:

One (1) AN/TPQ-37 system will be fielded to each Stryker Brigade Combat Team (SBCT). This is an Interim system. Fieldings to the SBCTs are in effect new fieldings; radars are available; however, support equipment must be procured and upgrades to common configuration baseline must be accomplished prior to fielding.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Funding in FY04-07 will support fielding to Ft Richardson, Ft Polk, Schofield Barracks, and 56th PA National Guard.

Installation Schedule:

Pr Yr	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007								
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
Inputs					1				1					1					1						
Outputs						1					1				1					1					
Pr Yr	FY 2008				FY 2009				FY 2010				FY 2011				To Complete	Totals							
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4									
Inputs																								4	
Outputs																								4	

METHOD OF IMPLEMENTATION:

Contract Dates:	FY 2004	ADMINISTRATIVE LEADTIME:	0 Months	PRODUCTION LEADTIME:	0 Months
Delivery Date:	FY 2004		FY 2005		FY 2006
			FY 2005		FY 2006

**INDIVIDUAL MODIFICATION**

Date: February 2003

MODIFICATION TITLE (Cont): AN/TPQ-37 SBCT Fieldings [MOD 6]

FINANCIAL PLAN: (\$ in Millions)

	FY 2002 and Prior		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RD&amp;E</b>																			
<b>Procurement</b>																				
Kit Quantity			1		1		1		1										4	
Installation Kits																				
Installation Kits, Nonrecurring																				
Equipment				1.4		1.4		1.4		1.4										5.6
Equipment, Nonrecurring																				
Ancillary Equipment				0.3		0.3		0.3		0.3										1.2
Equipment Refurbishment				0.4		0.4		0.4		0.4										1.6
Fielding																				
PM Admin				0.2		0.2		0.2		0.2										0.8
<b>Installation of Hardware</b>																				
FY 2002 & Prior Equip -- Kits																				
FY 2003 -- Kits					1	0.1													1	0.1
FY 2004 Equip -- Kits					1	0.1													1	0.1
FY 2005 Equip -- Kits							1	0.1											1	0.1
FY 2006 Equip -- Kits									1	0.1									1	0.1
FY 2007 Equip -- Kits																				
FY 2008 Equip -- Kits																				
FY 2009 Equip -- Kits																				
TC Equip- Kits																				
<b>Total Installment</b>		0.0		0.0	2	0.2	1	0.1	1	0.1		0.0		0.0		0.0		0.0	4	0.4
<b>Total Procurement Cost</b>		0.0		2.3		2.5		2.4		2.4		0.0		0.0		0.0		0.0		9.6

**INDIVIDUAL MODIFICATION**

Date: February 2003

MODIFICATION TITLE: New Mod [MOD 7] 0-00-00-0000

MODELS OF SYSTEM AFFECTED:

DESCRIPTION/JUSTIFICATION:

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Installation Schedule:

Pr Yr	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007					
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Inputs																						
Outputs																						
Pr Yr	FY 2008				FY 2009				FY 2010				FY 2011				To Complete	Totals				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
Inputs																						
Outputs																						

METHOD OF IMPLEMENTATION:

Contract Dates: FY 2004

Delivery Date: FY 2004

ADMINISTRATIVE LEADTIME:

FY 2005

FY 2005

Months

PRODUCTION LEADTIME:

FY 2006

FY 2006

Months

**INDIVIDUAL MODIFICATION**

Date: February 2003

MODIFICATION TITLE (Cont): New Mod [MOD 7] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	FY 2002 and Prior		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		TC		TOTAL			
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$		
	<b>RD T&amp;E</b>																					
<b>Procurement</b>																						
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 2002 & Prior Equip -- Kits																						
FY 2003 -- Kits																						
FY 2004 Equip -- Kits																						
FY 2005 Equip -- Kits																						
FY 2006 Equip -- Kits																						
FY 2007 Equip -- Kits																						
FY 2008 Equip -- Kits																						
FY 2009 Equip -- Kits																						
TC Equip- Kits																						
<b>Total Installment</b>		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0
<b>Total Procurement Cost</b>		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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

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

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty	1718	1651	2235	2179	2674	2381	2585	1762	2837	5117	31326	56465
Gross Cost	66.2	72.2	83.8	91.3	83.2	81.3	94.4	78.6	99.9	147.2	1200.1	2098.2
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	66.2	72.2	83.8	91.3	83.2	81.3	94.4	78.6	99.9	147.2	1200.1	2098.2
Initial Spares		0.7	1.2	1.8	4.2	3.2	3.6	3.6	2.8	6.1		27.1
Total Proc Cost	66.2	72.9	85.1	93.1	87.4	84.5	97.9	82.2	102.7	153.3	1200.1	2125.4
Flyaway U/C												
Wpn Sys Proc U/C		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

**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 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 as a key component of the Army Battle Command System (ABCS), completes the information flow process from brigade to platform and across platforms within the brigade task force. A Full Rate Production (FRP) decision review is planned following IOT&E, FY04. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY 04/05 procures FBCB2s to continue fielding to units of 4th and 5th SBCTs, 3rd BCT of 4th ID, III CORPS, 1/72 LIB, 1 CAV, 2LCR and 3rd ACR in accordance with Army Order of Precedence(AOP)and the transformation campaign plan.

NOTE: The total Army Acquisition Objective (AAO) number is 59,522.

This includes 56,465 FBCB2 systems and 3057 Abrams/Bradley appliques funded in accordance with the Horizontal Technology Integration (HTI) policy.

The Army has postponed the IOT&E from FY 03 to FY 04.

<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: FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2) (W61900)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>Force XXI Command Brigade and Below</b>													
HW Manufacturing-Applique & Install Kit		39013	2235	17	33780	2179	16	42071	2674	16	37415	2381	16
Dismounted Soldier System Unit								3921			3841		
<b>System Engineering/Program Management</b>													
Government		8641			8658			8248			8750		
Contractor		4862			8362			5664			3934		
Engineering Change Proposals		4327			2668			2382			2449		
Test		1883			2234			2498			3679		
Training		2267			3223			1245			1268		
Data		1278			1727			1102			609		
Support Equipment		6348			5200			3745			2553		
Op Site Activation		6506			8923			5164			4718		
Fielding		4897			7048			3894			3519		
Software Support		500			3550			3266			3996		
Computer Hardware Replacement											4543		
Engineering Support		2289			3534								
Other (Incl Ext. Warranty and Incentive Fee for LRIP Contract)		1033			2350								
<b>Total</b>		<b>83844</b>			<b>91257</b>			<b>83200</b>			<b>81274</b>		

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

Date:  
February 2003

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)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>HW Manufacturing-Applique &amp; Install Kit</b>										
FY 2002	Northrup Grumman/L3 COM/DRS Carson, CA	SS/FPIF	CECOM C4IEWS	Jan 02	Jul 02	2235	17	Yes		Nov 01
FY 2003	Northrup Grumman/L3 COM/DRS Carson, CA	SS/FPIF	CECOM C4IEWS	Dec 02	Jun 03	2179	16	Yes		Jul 02
FY 2004		TBS	CECOM C4IEWS	Nov 03	May 04	2674	16	No		TBD
FY 2005		TBS	CECOM C4IEWS	Nov 04	May 05	2381	16	No		TBD

REMARKS:













# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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, L70 and L76

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty		10	12	32	45	67	57	101	133	148	Continuing	Continuing
Gross Cost		7.0	11.2	9.7	12.3	17.4	17.5	27.2	33.1	33.8		
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)		7.0	11.2	9.7	12.3	17.4	17.5	27.2	33.1	33.8	Continuing	Continuing
Initial Spares												
Total Proc Cost		7.0	11.2	9.7	12.3	17.4	17.5	27.2	33.1	33.8	Continuing	Continuing
Flyaway U/C												
Wpn Sys Proc U/C		0.7	0.9	0.3	0.3	0.3	0.3	0.3	0.2	0.2		

**Description:**

The Lightweight Laser Designator Rangefinder (LLDR)(AN/PED-1) is a modular system designed for manportable day/night all weather target acquisition, precise location, and designation for engagement by a variety of munitions, e.g. Hellfire, Copperhead, PAVEWAY Series guided bomb units. The target location module contains an advanced thermal sensor, day camera, laser rangefinder, digital compass/vertical angle measurement device, Global Positioning System, and system controller with digital data and video outputs. The laser designation module contains the laser and associated optics required for precision engagement by laser-guided artillery and aircraft-launched munitions. Weighing 35 pounds with tripod and battery, the man-portable LLDR gives the light forces new fire support capability with 24-hour target identification, digital data export of precise target location for engagement by indirect fires, or laser designation for destruction by laser-guided munitions. LLDR is a prime targeting sensor for Advanced Field Artillery Tactical Data System (AFATDS), and the digital interface facilitates cross-sensor cueing. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/05 procures this critical capability for fielding to the light forces - 82nd Airborne, 10th Light Infantry Division (LID), 101st Airborne Assault (AA), 25th LID, and the 2nd Armored Calvary Regiment (ACR). The LLDR meets a critical requirement for precision target location and engagement for the artillery fire support 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: LIGHTWEIGHT LASER DESIGNATOR/RANGEFINDER (LLDR) (K31100)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
K31100 AN/PED-1 LLDR	A	5936	12	494.7	6979	32	218.1	8890	45	197.6	12820	67	191.3
Engineering Support		1197			1190			1185			1206		
Project Management Admin		399			397			395			402		
Engineering Change Order		185			350			566			529		
Fielding		740			722			1266			1327		
ICS		72			55								
Facilitization		2681									1147		
System Second Source Qualification													
<b>Total</b>		<b>11210</b>			<b>9693</b>			<b>12302</b>			<b>17431</b>		
<b>Total</b>		<b>11210</b>			<b>9693</b>			<b>12302</b>			<b>17431</b>		

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

Date:  
February 2003

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 2002	Northrup Grumman Laser Systems Apopka, FL	SS/FP	CECOM	Aug 02	Mar 04	12	495	Yes		
FY 2003	Northrup Grumman Laser Systems Apopka, FL	SS/FPM3-1	CECOM	May 03	Jun 04	32	218	Yes		
FY 2004	Northrup Grumman Laser Systems Apopka, FL	SS/FPM3-2	CECOM	Nov 03	Dec 04	45	198	Yes		
FY 2005	Northrup Grumman Laser Systems Apopka, FL	SS/FPM3-3	CECOM	Nov 04	Dec 05	67	191	Yes		

REMARKS:









# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature MORTAR FIRE CONTROL SYSTEM (K99300)
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Program Elements for Code B Items: 64802/D613	Code: B	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty		151	90	113	158	41	67	141				761
Gross Cost		7.3	9.7	29.0	39.5	14.7	18.9	37.5				156.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)		7.3	9.7	29.0	39.5	14.7	18.9	37.5				156.6
Initial Spares												
Total Proc Cost		7.3	9.7	29.0	39.5	14.7	18.9	37.5				156.6
Flyaway U/C												
Wpn Sys 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 four main components:

- The Commander's Interface (CI) links all MFCS components together, communicates, and performs the ballistic computations necessary to locate and aim the mortar. The CI can function as a mortar ballistic computer in a stand alone configuration. This is being fielded separately in response to an urgent need in both heavy and light forces.
- The Pointing Device & Position System (PDPS) enables the mortar to "know" its own location and thus eliminates the need for aiming posts, aiming circles, and survey.
- The Gunner's Display (GD) shows the gunner where to point the tube given the tube's location and pointing and the ballistic solution.
- The Driver's Display (DD) enables the vehicle driver to rough aim (50 mils) the vehicle in the firing direction when a call for fire alert is received.

The Mortar Fire Control System (MFCS) provides a revolutionary improvement in mortar capability:

- MFCS communicates digitally on the fire support network and is interoperable with the Advanced Field Artillery Tactical Data System (AFATDS) and legacy systems, which seamlessly integrates mortars into the digital battlefield.
- MFCS increases Operating Tempo (OPTEMPO) by reducing setup times from more than 8 minutes to less than 55 seconds. This makes mortars more responsive to the maneuver commander than Field Artillery (FA), thereby freeing FA units from close-in direct support missions and reducing FA ammunition, fuel, and lift requirements.

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

Date:

February 2003

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:

- MFCS dramatically increases survivability by eliminating the need for soldiers to dismount, enabling dispersed (beyond line of sight) emplacement, and providing Paladin-like semi-autonomous operations and shoot and scoot capability.
- MFCS significantly reduces the probability of fratricide by providing situational awareness.
- MFCS maximizes the lethality of the battalion commander's organic 120mm mortars by reducing the circular error probable (CEP) from 230 meters for the current aiming circle to 60 meters. This results in a first round fire-for-effect capability, which increases OPTEMPO and substantially reduces ammunition, transportation, lift, fuel, and other logistics footprint requirements.
- MFCS-equipped 120mm mortar systems can be deployed by HMWWV or UH60, providing instant fires in hilly terrain (e.g, Afghanistan), which cannot be targeted by FA.

The MFCS modernizes the legacy force's M113 family of vehicles based mounted mortars. The MFCS will also be fielded with the Brigade Combat Team's IAV mounted 120mm Mortar System.

This system supports both the legacy and interim transition paths of the Army Transformation Campaign Plan.

### Justification:

FY04 funds continued procurement of MFCS units with 146 MFCS Heavy Gun systems and 12 MFCS FDC systems. FY05 procures 38 MFCS Heavy Gun Systems and 3 MFCS FDC systems.

Type Classification Date:

- Commander's Interface as a mortar ballistic computer 28 Feb 2002
- Full MFCS (Heavy) system 2Q FY 03

ACQUISITION MANAGER: PM Combat Ammunition 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: MORTAR FIRE CONTROL SYSTEM (K99300)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
<b>HARDWARE</b>													
MFCs Commander's Interface (Heavy)		3606	74	49									
MFCs for M121 120mm Mortar		2987	13	230	20003	99	203	34737	146	238	9478	38	249
MFCs for M577 Fire Direction Center		158	3	53	722	14	52	658	12	55	173	3	58
<b>Subtotal Hardware</b>		<b>6751</b>			<b>20725</b>			<b>35395</b>			<b>9651</b>		
<b>PRODUCTION SUPPORT</b>													
Production Engineering		1489			2043			1860			1858		
Government ILS		188			486			343			348		
Post Deployment Software Support		725			827			636			1369		
Proof and Acceptance					632			490			489		
Fielding and New Equipment Training		497			560			538			539		
<b>SUBTOTAL PRODUCTION SUPPORT</b>		<b>2899</b>			<b>4548</b>			<b>3867</b>			<b>4603</b>		
<b>NON RECURRING COSTS</b>													
PCA/ First Article					1459								
Engineering Data					358			59			292		
AFATDS V7 SW compatability					1703								
Manuals					195			196			196		
<b>SUBTOTAL NRE</b>					<b>3715</b>			<b>255</b>			<b>488</b>		
<b>Total</b>		<b>9650</b>			<b>28988</b>			<b>39517</b>			<b>14742</b>		
<b>Total</b>		<b>9650</b>			<b>28988</b>			<b>39517</b>			<b>14742</b>		

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

Date:  
February 2003

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 Commander's Interface (Heavy)</b> FY 2002	Miltope Hope Hall AL	SS/FP	TACOM	Mar02	Dec 02	74	49	Yes		
<b>MFCS for M121 120mm Mortar</b> FY 2002	To Be Selected	C/FP	TACOM	Mar 03	May 04	13	230	No	Sept 02	
FY 2003	To Be Selected	OPT	TACOM	Mar 03	Jun 04	99	203	No	Sept 02	
FY 2004	To Be Selected	OPT	TACOM	Mar 04	Feb 05	146	238	No	Sept 02	
FY 2005	To Be Selected	OPT	TACOM	Mar 05	Feb 06	38	249	No	Sept 02	
<b>MFCS for M577 Fire Direction Center</b> FY 2002	To Be Selected	C/FP	TACOM	Mar 03	May 04	3	53	No	Sept 02	
FY 2003	To Be Selected	OPT	TACOM	Mar 03	Jul 04	14	52	No	Sept 02	
FY 2004	To Be Selected	OPT	TACOM	Mar 04	Feb 05	12	55	No	Sept 02	
FY 2005	To Be Selected	OPT	TACOM	Mar 05	Feb 06	3	58	No	Sept 02	

REMARKS: Fire Direction Center and Guns assigned to Division Cavalry Squadrons and Armored Cavalry Regiments will receive early fielding of the MFCS Commander's Interface Computer. This is in response to an urgent need to replace the M23 Mortar Ballistic Computer.









# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature INTEGRATED MET SYS SENSORS (IMETS) - TIARA (BW0021)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty	23											23
Gross Cost	33.0	7.0	2.5	7.0	9.1	4.8	4.8	13.2	8.0	9.3		
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	33.0	7.0	2.5	7.0	9.1	4.8	4.8	13.2	8.0	9.3	Continuing	Continuing
Initial Spares												
Total Proc Cost	33.0	7.0	2.5	7.0	9.1	4.8	4.8	13.2	8.0	9.3	Continuing	Continuing
Flyaway U/C												
Wpn Sys 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 Echelons Above Corps (EAC), Corps, Division (DIV), Separate Brigade, Armored Cavalry Regiment (ACR) and Special Operations Forces (SOF). The IMETS requirements have been upgraded to align with the Joint Technical Architecture (JTA), Defense Information Infrastructure Common Operating Environment (DII 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 received \$8M DERF in FY02 of which \$4.927M was spent procuring and fielding the requested Systems for SOF and the remainder spent in RDTE of accelerated technology insertions. IMETS supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04 procures and fields Vehicular Mounted Configuration (VMC) and Light Configuration (LC) and FY05 procures and fields Intel based CPCs and Intel based LC. IMETS hardware is NDI/COTS and is purchased from either PM CHS or other Army activities. Integration is handled by contractor, Northrup Grumman Information Technology (NGIT).

<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: INTEGRATED MET SYS SENSORS (IMETS) - TIARA (BW0021)			Weapon System Type:			Date: February 2003			
<b>OPA2 Cost Elements</b>		ID	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Hardware														
--Block II IMETS (VMC)						372	1	372.0	4800	8	600.0			
--Command Post Configuration (CPC)												576	9	64.0
--IMETS Light (LC)			780	11	70.9	1716	26	66.0	75	1	75.0	75	1	75.0
--Block II IMETS Training Sets						533	3	177.7						
Project Management Administration			300			300			300			300		
Engineering Support			621			1818			1706			1880		
Contractor Support			245			480			530			500		
Fielding			512			1701			1669			1500		
IBCT						114								
-----														
<b>Total</b>			<b>2458</b>			<b>7034</b>			<b>9080</b>			<b>4831</b>		

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

Date:  
February 2003

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

Weapon System Type:

P-1 Line Item Nomenclature:  
INTEGRATED MET SYS SENSORS (IMETS) - TIARA (BW0021)

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Hardware</b>										
<b>--Block II IMETS (VMC)</b>										
FY 2003	NGIT Lakewood, Washington	GSA Sched	CECOM	Nov 02	Jun 03	1	372			
FY 2004	NGIT Lakewood, Washington	GSA Sched	CECOM	Nov 03	Jun 04	8	600			
<b>--Command Post Configuration (CPC)</b>										
FY 2005	NGIT Lakewood, Washington	GSA Sched	CECOM	Nov 04	Apr 05	9	64			
<b>--IMETS Light (LC)</b>										
FY 2002	NGIT Lakewood, Washington	GSA Sched	CECOM	Jun 02	Sep 02	11	71			
FY 2003	NGIT Lakewood, Washington	GSA Sched	CECOM	May 03	Aug 03	26	66			
FY 2004	NGIT Lakewood, Washington	GSA Sched	CECOM	Nov 03	Apr 04	1	75			
FY 2005	NGIT Lakewood, Washington	GSA Sched	CECOM	Nov 04	Apr 05	1	75			
<b>--Block II IMETS Training Sets</b>										
FY 2003	Logicon Inc Lakewood, Washington	C/Option	CECOM	Nov 02	Apr 03	3	178			

REMARKS: All equipment is NDI/COTS. In FY02 Defense Emergency Relief Funds (DERF) was received for the purpose of accelerating technology insertions and to procure and field IMETS Lights to the Special Operations Forces (SOF).

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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

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

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	68.8	57.1	43.7	41.2	45.6	79.0	89.5	52.2	120.0	114.9		711.9
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	68.8	57.1	43.7	41.2	45.6	79.0	89.5	52.2	120.0	114.9		711.9
Initial Spares												
Total Proc Cost	68.8	57.1	43.7	41.2	45.6	79.0	89.5	52.2	120.0	114.9		711.9
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The Tactical Operation Centers (TOCs) Program supports the overall mission area of "Exercising Command and Control". The TOCs program provides commanders (at all echelons of command from battalion to corps) with integrated digitized command and control facilities from which they execute battle command and make decisions based on objective data and intuitive feel for the battle. To perform these functions, the commander and his staff require command, control and communications systems integrated on mobile platforms capable of keeping pace with maneuver forces. The TOCs program provides the physical infrastructure (platforms, power, environmental control, data networks, inter-communications and video displays) capable of operating under all conditions on the modern battlefield, and provides the real-time situational understanding (Common Operational Picture) inherent in the Army Battle Command system (ABCS). Digitized TOCs are key to ensuring that information superiority and force synchronization are gained on the tactical and operation battlefield. TOCs are required for all combat, combat support and combat service support units. In addition, this program includes the Single Integrated Command Posts' "customer funded" procurement of five command post variants, each designed to accommodate the various Battlefield Functional areas. These variants include: Tent Command Posts, Rigid Wall Shelters, Conversion Kits for M577 Track Vehicles, Installation Kits for 5-ton Expandable Vans and Installation Kits for Soft-Top HMMWVs. The SICPS (BZ9962) program and funding has been transferred to the TOCs program beginning in FY04. Prior year - FY03 depicts TOCs only. SICPs prior year funding can be found in separate submission BZ9962.

**Justification:**

FY 04 procures shelters and integrates TOCs for the Third Stryker Brigade Combat Team (SBCT-3), the 3rd Brigade, 4th Infantry Division, the 3rd Armored Cavalry Regiment, and GFE for the initial elements of III Corps and Field Support to all fielded units of 1 CD and SBCT1/2.

FY05 procures shelters and integrates TOCs for III Corps and SBCT-6/4, GFE SBCT-5, and support for 1CD, 3 ACR, 3Bde 4 ID, and SBCT-3.

These TOCs are critical to integrated command and control and information superiority on the battlefield. They provide the infrastructure for executing battle command and maintaining situational awareness.

<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 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
1. System Integration/Hardware(incl GFE)		20835			17868			16333			36497		
2. Project Management Administration		3229			3584			4213			4419		
3. Fielding (TPF,NET,FDT)		6034			6341			6966			12281		
4. Interim Contractor Support (ICS)		4843			7528			9398			14889		
5. Engineering Support		3737			3744			8703			10887		
6. Engineering Support					2122								
7. AMC		5000											
<b>Total</b>		<b>43678</b>			<b>41187</b>			<b>45613</b>			<b>78973</b>		

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1. System Integration/Hardware(incl GFE)</b>										
FY 2002	GDDS Scottsdale AZ	C/CPFF	AMCOM	2QFY02	4QFY02					
FY 2002	TRW Huntsville, AL	C/CPIF	AMCOM	1QFY02	2QFY02					
FY 2003	GDDS Scottsdale AZ	C/CPFF	AMCOM	2QFY03	4QFY03					
FY 2003	TRW Huntsville, AL	C/CPIF	AMCOM	1QFY03	2QFY03					
FY 2003	TBD, SBCT no.3	TBD	AMCOM	3QFY03	2QFY04					
FY 2004	Camel Manufacturing La Follette, TN	C/OPTION	DLA/PHILA, PA	1QFY04	2QFY04					
FY 2004	TRW Huntsville, AL	C/CPIF	AMCOM	1QFY04	2QFY04					
FY 2004	TBD, 3 ACR & 3 BDE 4 ID	TBD	AMCOM	2QFY04	3QFY04					
FY 2004	Camel Manufacturing La Follette, TN	C/OPTION	DLA, PHIL, PA	3QFY04	3QFY04					
FY 2005	TBD, SBCT no. 4/6	TBD	AMCOM	2QFY05	3QFY05					
FY 2005	TBD, III Corps (4ID,1CD & III Slices)	TBD	AMCOM	2QFY05	3QFY05					

REMARKS: The SICPs Program and funding transferred to the TOCs program beginning in FY04.

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment					P-1 Item Nomenclature ADV FA TAC DATA SYS / EFF CTRL SYS (AFATDS/ECS) (B28600)							
Program Elements for Code B Items:				Code:	Other Related Program Elements:							
	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	118.4	68.6	53.5	75.1	22.3	24.5	25.0	18.2	18.7	19.2		
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	118.4	68.6	53.5	75.1	22.3	24.5	25.0	18.2	18.7	19.2	Continuing	Continuing
Initial Spares	6.1	2.0	2.5	2.4	2.6	1.6	2.7	1.1	1.1	1.1		
Total Proc Cost	124.5	70.6	56.0	77.5	24.9	26.1	27.6	19.2	19.7	20.3	Continuing	Continuing
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

AFATDS provides the multi-service (Army and Marine Corps) automated Fire Support Command, Control and Communications capability, enabling the maneuver commander to plan and execute attacks utilizing the optimal weapon-target pairing combinations. It provides the maximum utilization of fire support assets available on the expanding battlefield. AFATDS provides integrated automated support for planning, coordinating and controlling all fire support assets (field artillery, missiles, mortars, close air support, naval gunfire, attack helicopter and offensive electronic warfare) and for executing counterfire, interdiction and suppression of enemy targets for all fire support operations. AFATDS uses nondevelopmental, ruggedized Common Hardware/Software, including the Compact Computer Unit (CCU), Notebook Computer Unit (NCU) as well as vehicle installation kits. AFATDS will interoperate with the Navy's and Air Force's current and evolving weapon and control systems, as well as international British, German, Italian and French systems. The legacy system support comes from the successful fielding of AFATDS Version A96 through A99 and Version 7. The objective system support emanates from transitional support of AFATDS to the Effects Control System (ECS). This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY 04/05 procures AFATDS, which will greatly enhance the fire support capability of the battlefield through responsiveness, survivability and continuity of operations. It will provide a complete fire support command and control capability to the maneuver commander. The FY 04/05 funds will completely procure two Stryker Brigade Combat Teams (SBCTs), 4 and 5.



<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: ADV FA TAC DATA SYS / EFF CTRL SYS (AFATDS/ECS) (B28600)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCo st	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Hardware		28110	326		46387	725		1974	79		4550	239	
Program Mangement Administration		2032			2492			2148			2153		
Engineering Support		6908			8458			3721			3830		
Interim Contractor Support		9740			10495			8366			10171		
<b>Fielding</b>													
Total Package Fielding		827			892			700			665		
New Equipment Training		5892			6410			5415			3150		
<b>NOTE:</b> The hardware cost is composed of a mix of CCU, NCU, IKs and hardware upgrades to maintain operational effectiveness of previously fielded hardware. Therefore, a unit cost cannot be identified. Hardware procurement quantities are mixtures of initial buys and rebuys of previously fielded systems.													
<b>Total</b>		<b>53509</b>			<b>75134</b>			<b>22324</b>			<b>24519</b>		

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

Date:  
February 2003

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 / EFF CTRL SYS (AFATDS/ECS) (B28600)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Hardware</b>										
FY 2002	General Dynamics Taunton, MA	C/OPTION	CECOM	FEB-02	JUN-02	326		YES		
FY 2003	General Dynamics Taunton, MA	C/OPTION	CECOM	JAN-03	MAY-03	725		YES		
FY 2004	General Dynamics Taunton, MA	C/OPTION	CECOM	JAN-04	MAY-04	79		YES		
FY 2005	General Dynamics Taunton, MA	C/OPTION	CECOM	JAN-05	MAY-05	239		YES		

REMARKS: The above hardware is COTS and will be procured off the existing Common Hardware Systems (CHS II) contract.

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost				2.9	2.1		2.1	3.2	2.5	0.2		
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)				2.9	2.1		2.1	3.2	2.5	0.2	Continuing	Continuing
Initial Spares												
Total Proc Cost				2.9	2.1		2.1	3.2	2.5	0.2	Continuing	Continuing
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The Mod Of In Service funding is a supporting line to the AFATDS program. AFATDS is the Fire Support Command, Control and Communications capability, enabling the maneuver commander to plan and execute attacks utilizing the optimal weapon-target pairing combinations. AFATDS utilizes Common Hardware and Software (CHS) computers and peripheral hardware. DA Hardware Re-Procurement policy indicated that computer workstations have only an approximate five year operational life before they are obsolete, or their system 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. Therefore, this funding has been programmed to allow for upgrade or replacement of the oldest AFATDS computer workstations or components as required to maintain unit capability in the field. The legacy system support comes from the successful fielding of AFATDS Version A96 through A99 and Version 7. The objective system support emanates from transitional support of AFATDS to the Effects Control System (ECS). This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY 04 procures upgrades to the processor equipment to support the current technical requirements for the AFATDS program.

# Exhibit P-40M, Budget Item Justification Sheet

Date: February 2003

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:

Description		Fiscal Years									
OSIP NO.	Classification	2002 & PR	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	TC	Total
MOD OF IN-SVC EQUIP, AFATDS											
0-00-00-0000		0.0	2.9	2.1	0.0	2.1	3.2	2.4	0.1	0.0	12.8
Totals		0.0	2.9	2.1	0.0	2.1	3.2	2.4	0.1	0.0	12.8

**INDIVIDUAL MODIFICATION**

Date: February 2003

MODIFICATION TITLE: MOD OF IN-SVC EQUIP, AFATDS [MOD 1] 0-00-00-0000

MODELS OF SYSTEM AFFECTED: AFATDS CCU

DESCRIPTION/JUSTIFICATION:

The Mod Of In Service Equipment funding is a supporting line to the AFATDS program. AFATDS is the Fire Support Command, Control and Communication capability, enabling the maneuver commander to plan and execute attacks utilizing the optimal weapon-target pairing combination. AFATDS utilizes Common Hardware and Software (CHS) computers and peripheral hardware. DA Hardware Re-Procurement policy indicates that computer workstations have only an approximate five year operational life before they are obsolete, or their system 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. Therefore, this funding has been programmed to allow for upgrade or replacement of the oldest AFATDS computer workstations or components as required to maintain unit capability in the field.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

The AFATDS Mod Of In Service Equipment program will utilize various nondevelopmental, commercial off the shelf (COTS) components and peripherals. These will vary according to individual system requirements and therefore will not be procured or installed as standard kits. These items will be procured through the Army's Common Hardware and Software (CHS) contract.

Installation Schedule:

Pr Yr	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Totals																				
Inputs	0																			
Outputs	0																			

	FY 2008				FY 2009				FY 2010				FY 2011				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		0
Outputs																		

METHOD OF IMPLEMENTATION:

Contract Dates:	FY 2004	ADMINISTRATIVE LEADTIME:	0 Months	PRODUCTION LEADTIME:	0 Months
Delivery Date:	FY 2004				

**INDIVIDUAL MODIFICATION**

Date: February 2003

MODIFICATION TITLE (Cont): MOD OF IN-SVC EQUIP, AFATDS [MOD 1] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	FY 2002 and Prior		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RD&amp;E</b>	0																		
<b>Procurement</b>	0																			
Kit Quantity	0																			
Installation Kits	0																			
Installation Kits, Nonrecurring	0																			
Equipment	0			2.4		1.6				1.7		2.8		2.0		0.1				10.6
Equipment, Nonrecurring	0																			
Engineering Change Orders	0																			
Data	0																			
Training Equipment	0																			
Support Equipment	0																			
Other	0			0.5		0.5				0.4		0.4		0.4		0.0				2.2
Interim Contractor Support	0																			
<b>Installation of Hardware</b>	0																			
FY2002 & Prior Equip-- Kits	0																			
FY2003 Equip-- Kits	0																			
FY2004 Equip-- Kits	0																			
FY2005 Equip-- Kits	0																			
FY2006 Equip-- Kits	0																			
FY2007 Equip-- Kits	0																			
FY2008 Equip-- Kits	0																			
FY2009 Equip-- Kits	0																			
TC Equip- Kits	0																			
<b>Total Installment</b>	0	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0
<b>Total Procurement Cost</b>		0.0		2.9		2.1		0.0		2.1		3.2		2.4		0.1		0.0		12.8

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: P-1 Item Nomenclature  
Other Procurement, Army /2/Communications and Electronics Equipment Light Weight Techical Fire Direction Sys (LWTFDS) (B78400)

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

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	53.1	1.0	2.7	12.1	3.2	0.6	0.5	0.1				73.1
Less PY Adv Proc												
Plus CY Adv Proc										0.0		
Net Proc (P-1)	53.1	1.0	2.7	12.1	3.2	0.6	0.5	0.1				73.1
Initial Spares												
Total Proc Cost	53.1	1.0	2.7	12.1	3.2	0.6	0.5	0.1				73.1
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The Lightweight Technical Fire Direction System (LWTFDS) provides critically needed technical fire control for the Light/Heavy Fire Direction Centers and the Cannon Firing Platoon Leaders. It provides immediate and early entry automated fire support capabilities for the light divisions. The LWTFDS actually consists of three subset efforts all dealing with the replacement and upgraded technology for various Fire Support systems. First, this program will upgrade the aging Lightweight Computer Units (LCUs) for computing the fire support technical solutions for both Battery Computer System (BCS) and Fire Direction System/Multiple Launch Rocket System (FDS/MLRS). Second, it also provides a replacement for the Back-Up Computer Unit, the BUCS-R, which will be hosted on a Personal Digital Assistant (PDA). It will provide early entry forces an automated means to compute cannon firing solutions and once full automation is available via AFATDS, it then serves as the mandatory backup device to minimize fratricide. Third, the antiquated Gun Display Unit (GDU) will now be replaced with a PDA device that will provide the "Gunners" with an automated lightweight wireless transfer and data display of elevation, deflection, fuze and powder mixes to allow accurate cannon firing.

Objectively LWTFDS will consist of porting the NATO Artillery Ballistic Kernel (NABK) computational software algorithm onto a PDA.

In February 2001, the Fire Support Ada Conversion (FSAC) program name was officially changed to the LWTFDS. The FSAC program consisted of the BCS and FDS which provide Technical Fire Direction capability for Cannon and Multiple Launch Rocket System (MLRS) units. Both systems are hosted on a Lightweight Computer Unit (LCU).

This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY 04/05 procures a total of 72 Personal Digital Assistants (PDA) to support the Gun Display Unit (GDU) replacement, engineering and program management 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: Light Weight Technical Fire Direction Sys (LWTFDS) (B78400)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Hardware (LCU Upgrade/LWTFDS/GDU-R)					6991	355		499	48		108	24	
Project Management Administration		319			1453			1112			309		
Engineering Support		2298			2641			1552			130		
Fielding		42			993			60			30		
Note: Unit costs are not displayed because the hardware unit cost reflects the varying mix of LCU upgrades, PDAs, and other peripheral devices.													
<b>Total</b>		<b>2659</b>			<b>12078</b>			<b>3223</b>			<b>577</b>		



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

Date:  
February 2003

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)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Hardware (LCU Upgrade/LWTFDS/GDU-R)</b>										
FY 2003	GD and L3 Com Taunton, MA and San Diego, CA	C/OPTION	CECOM	MAR-03	JUL-03	355		YES		
FY 2004	GD and Talla-Tech Taunton, MA & Tallahassee, FL	C/OPTION	CECOM	MAR-04	JUL-04	48		YES		
FY 2005	GD and Talla-Tech Taunton, MA & Tallahassee, FL	C/OPTION	CECOM	MAR-05	JUL-05	24		YES		

REMARKS: The above hardware is COTS and will be procured off the existing Common Hardware Systems (CHS II) contract.

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment  
 P-1 Item Nomenclature: CMBT SVC SUPT CONTROL SYS (CSSCS) (W34600)

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

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty	506	359									Continuing	Continuing
Gross Cost	52.0	27.0	24.5	24.3	22.2	25.6	13.1	7.1	4.8	3.0	130.4	334.0
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	52.0	27.0	24.5	24.3	22.2	25.6	13.1	7.1	4.8	3.0	130.4	334.0
Initial Spares	1.9										2.3	4.2
Total Proc Cost	53.9	27.0	24.5	24.3	22.2	25.6	13.1	7.1	4.8	3.0	132.7	338.2
Flyaway U/C												
Wpn Sys Proc U/C		0.1										

**Description:**

The Combat Service Support Control System (CSSCS) is the Combat Service Support C2 component of the Army Battle Command System (ABCS). CSSCS is a networked system of workstations that provides comprehensive combat service support capabilities and exchanges messages in near real time. It provides the critical combat power assessment capability across the range of combat forces. CSSCS is the fulcrum between Army Transformation logistics enablers and combat power. It automates current manual processes for force level planning and supports decision-making for the warfighting commanders, the combat service support commanders and their staffs. The total procurement requirement for CSSCS based on approved 1998 Operational Requirements Document (ORD) is 3,120 systems. This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/05 funds will support the Full Scale Production procurement and fielding of CSSCS and associated items including Standard Integrated Command Post Systems (SICPS). Fielding locations include third and fourth Stryker Brigade Combat Teams (SBCTs), 75th Ranger Regiment, III Corps slice to include 3rd Armored Cavalry Regiment and 4th Infantry Division (3rd Bde). In addition FY04/05 reprocures retrofit hardware for SBCTs 1 and 2, as well as III Corps units to include 4th Infantry Division and 1st Cavalry Division. The automated CSSCS node is required to support the fielding and operation of ABCS by providing a responsive automated Combat Service Support (CSS) operation that is capable of supporting the Commander's requirement to perform timely predictive and situational analyses.

<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: CMBT SVC SUPT CONTROL SYS (CSSCS) (W34600)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
High Capacity Computer Unit (HCU) HW													
Versatile Computer Unit (VCU) HW		5772	137	42.1									
Notebook Computer Unit (NCU)					3600	360	10.0	2630	263	10.0	4720	472	10.0
Peripherals (Printer,Mounts, AIS device)					383			1870			1882		
Standard Integrated Command Post System		1889			1066			336			220		
Hardware Upgrade					66			2286			1816		
PM Admin		1480			1295			1347			1713		
Engineering Support		3046			3402			2890			2694		
Total Package Fielding (TPF)		2517			3558			2174			3124		
New Equipment Training (NET)		1904			2619			2283			2566		
First Destination Trans (FDT)													
Interim Contractor Support (ICS)													
Software Support		7464			7867			5946			6364		
Other		435			458			435			471		
<b>Total</b>		<b>24507</b>			<b>24314</b>			<b>22197</b>			<b>25570</b>		

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

Date:  
February 2003

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

Weapon System Type:

P-1 Line Item Nomenclature:  
CMBT SVC SUPT CONTROL SYS (CSSCS) (W34600)

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Versatile Computer Unit (VCU) HW</b> FY 2002	General Dynamics Taunton, MA	C/FP/OPT	CECOM, Ft. Monmouth, NJ	Apr 02	Jul 02	137	42	Yes		
<b>Notebook Computer Unit (NCU)</b> FY 2003	General Dynamics Taunton, MA	C/FP/OPT	CECOM, Ft. Monmouth, NJ	Mar 03	Jun 03	360	10	Yes		
FY 2004	General Dynamics Taunton, MA	C/FP/OPT	CECOM, Ft. Monmouth, NJ	Mar 04	Jun 04	263	10	Yes		
FY 2005	General Dynamics Taunton, MA	C/FP/OPT	CECOM, Ft. Monmouth, NJ	Mar 05	Jun 05	472	10	Yes		

REMARKS: PM CSSCS procures and fields CSSCS utilizing Common, Non-Developmental Item (NDI) hardware from contract managed by the Army's Product Manager for Common Hardware Systems (CHS). PM CSSCS will procure a less expensive device. Prior estimate were based on Unix platform. New device will be based on Windows platform.

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature FAAD C2 (AD5050)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	164.0	32.1	8.8	24.1	19.5	13.0	11.2	15.8	12.7	14.9		316.1
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	164.0	32.1	8.8	24.1	19.5	13.0	11.2	15.8	12.7	14.9		316.1
Initial Spares												
Total Proc Cost	164.0	32.1	8.8	24.1	19.5	13.0	11.2	15.8	12.7	14.9		316.1
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The Forward Area Air Defense Command, Control, and Intelligence (FAAD C2) System is the first Command, Control and Intelligence (C2I) System to digitize. FAAD C2I provides continuously tailored situational awareness and situational understanding of the battlespace [including data on threat aircraft, cruise missiles and unmanned aerial vehicles (UAVs)] to support the planning and decision process at various levels of command. The mission is to collect, digitally process and disseminate real time target cueing and tracking information, common tactical air picture, and C2I information to all Short Range Air Defense (SHORAD) weapons [Avenger, Bradley Linebacker, Manportable Air Defense System (MANPADS), joint and combined arms]. Unique FAAD C2 software will provide this mission capability by integrating FAAD C2 engagement operations software with the Joint Digital Radio (JDR), Single Channel Ground and Airborne Radio System (SINCGARS), Enhanced Position Location Reporting System (EPLRS), Global Positioning System (GPS), Airborne Warning and Control System (AWACS), Sentinel, and the Army Battle Command System (ABCS) architecture. Provides joint C2 interoperability and horizontal integration with PATRIOT, THAAD, MEADS, JLENS and SHORAD weapon systems by fusing sensor data to create a scalable and filterable single integrated air picture (SIAP) and common operating picture (COP) at Army divisions and below. System software will provide target data and engagement commands/status to the Surface Launched Advanced Medium Range Air-to-Air Missile (SLAMRAAM) air defense system. FAAD C2I is the first system to digitize for Army Transformation in the First Digitized Division (FDD), III (Digitized) Corps, the Joint Contingency Force (JCF) and the Stryker Brigade Combat Teams (SBCTs). The FAAD C2 netted and distributed system architecture has been briefed as the basis for a potential BM/C4I Future Combat System (FCS). FAAD C2 enables maneuver commanders to receive air and missile attack warnings, provides situational awareness and a single integrated air picture as part of the common operating picture, (target alerts, initial cues and tracks) with Corps, Division, Brigade, and Battalion and disseminates resulting BM/C4I planning and engagement data to the individual SHORAD weapon system. FAAD C2 also enables the alerting of air defense gunners, enhances capability for air space battle management, and automates uplinks for acknowledgement of mission plans and unit positions, thereby enhancing force protection for air and missile attack.

This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY2004 funds will be used to procure CHS computers, display and tactical software for one Army National Guard (ARNG) Battalion and one Stryker Brigade Combat Team (SBCT). FY2004 also funds the integration and fielding of a III Corps ARNG Battalion and two active component Air Defense Batteries. FY2005 funds will procure one SBCT and complete the fielding of the ARNG Battalion procured in FY04.

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

Date:

February 2003

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:

FAAD C2 supports Army and AMD transformation and the development of Future Combat Systems.

Quantities are based on organizational units that vary in size based on specific mission and equipment requirements. Quantities reported reflect a composite number of specific requirements (Heavy Div, Light/Special Div, Armored Cavalry Regiment, SHORAD Battalions, Training Base and Stryker Brigade Combat Teams (SBCTs).

<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 2003			
<b>OPA2 Cost Elements</b>		ID	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
1. System Integration/Hardware			6297			17125	2	8563	13404	2	6702	7361	1	7361
2. Project Management Administration			707			1982			1721			1725		
<b>3. Fielding</b>														
TPF			93			101			110			123		
NET			556			1462			1515			1106		
FDT			75			25			48			35		
4. Interim Contractor Support			644			926			1016			1059		
5. Engineering Support			451			2488			1660			1562		
<b>Total</b>			<b>8823</b>			<b>24109</b>			<b>19474</b>			<b>12971</b>		

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

Date:  
February 2003

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

Weapon System Type:

P-1 Line Item Nomenclature:  
FAAD C2 (AD5 050)

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1. System Integration/Hardware</b>										
FY 2002	General Dynamics Government Taunton, MA	C/Option	CECOM	DEC 01	APR 02			YES		
FY 2003	General Dynamics Government Taunton, MA	C/Option	CECOM	DEC 02	APR 03	2	8563	YES		
FY 2004	General Dynamics Government Taunton, MA	C/Option	CECOM	DEC 03	APR 04	2	6702	YES		
FY 2005	General Dynamics Government Taunton, MA	C/Option	CECOM	DEC 04	APR 05	1	7361	YES		

REMARKS: The above hardware is COTS.



# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	2.9	4.8	10.2	9.5	9.0	2.9	3.7	7.4	10.9	8.3		69.6
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	2.9	4.8	10.2	9.5	9.0	2.9	3.7	7.4	10.9	8.3		69.6
Initial Spares												
Total Proc Cost	2.9	4.8	10.2	9.5	9.0	2.9	3.7	7.4	10.9	8.3		69.6
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The Air and Missile Defense Planning and Control System (AMDPCS) is the backbone of Army Air Defense through the Battle Management/ Command, Control, Communications, Computers, and Intelligence (BM/C4I) capability it provides to Air Defense Artillery (ADA) Brigades at corps and echelons above corps (EAC), the Army Air and Missile Defense Command (AAMDC) headquarters, and joint force command and control elements, such as the Battlefield Coordination Detachment (BCD). The AMDPCS provides ADA Brigades with a fire control system via the Air Defense System Integrator (ADSI) for monitoring and controlling air battle engagement operations by subordinate battalions. The AMDPCS provides a common air and missile defense staff planning and battlespace situational awareness tool via the Air and Missile Defense Workstation (AMDWS) to achieve the common tactical and operational air picture. The AMDWS, like ADSI, will be fielded to air and missile defense units at all echelons of command, battery through theater. The AMDPCS provides the Army Battle Command System (ABCS) architecture and the Army AMD Task Forces (AMDTF) with Joint BM/C4I capability and the Army component of interoperable Joint Theater Air and Missile Defense (JTAMD) BM/C4I. The AMDPCS enables Active, Passive and Attack Operations coordination and a correlated single integrated air picture (SIAP) to Army AMD and Joint Forces.

This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/05 program completes procurement and fielding of the objective system configuration for 31st ADA BDE for participation in the III (Digitized) Corps Capstone Exercises and maintains previously fielded prototypes, 263rd AAMDC, and AAMDC for USAADASCH.

<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: AIR & MSL DEFENSE PLANNING & CONTROL SYS (AMD PCS) (AD5070)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>		<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
ID CD		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
1. System Integration/Hardware		7876			7254	1	7254	7306			1755		
2. Project Management Administration		768			733			715			715		
3. Fielding (TPF,NET,FDT)		838			800			780			253		
4. Interim Contractor Support (ICS)		210			200			195			195		
5. Engineering Support		524			500								
<b>Total</b>		<b>10216</b>			<b>9487</b>			<b>8996</b>			<b>2918</b>		

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

Date:  
February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: AIR & MSL DEFENSE PLANNING & CONTROL SYS (AMD PCS) (AD5070)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1. System Integration/Hardware</b>										
FY 2002	General Dynamincs Government Taunton, MA	C/Option	CECOM	Dec 01	Apr 02			Yes		
FY 2003	General Dynamincs Government Taunton, MA	C/Option	CECOM	Dec 02	Apr 03	1	7254	Yes		
FY 2004	General Dynamincs Government Taunton, MA	C/Option	CECOM	Dec 03	Apr 04			Yes		
FY 2005	General Dynamincs Government Taunton, MA	C/Option	CECOM	Dec 04	Apr 05			Yes		

REMARKS: Hardware procurement is based on organizational units that vary in size based on specific mission and equipment requirements.  
(Corps and Echelons Above Corps, ADA Bdes, Theater Echelon AAMDCs in both active Army and ARNG)

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature FORWARD ENTRY DEVICE / LIGHTWEIGHT FED (FED/LFED) (BZ9851)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	135.8	18.9	14.8	14.7	6.0	0.7	0.6	2.2	1.8	1.5		197.0
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	135.8	18.9	14.8	14.7	6.0	0.7	0.6	2.2	1.8	1.5		197.0
Initial Spares												
Total Proc Cost	135.8	18.9	14.8	14.7	6.0	0.7	0.6	2.2	1.8	1.5		197.0
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

In order to support the DoD mandated interoperability requirements, the Forward Entry Device (FED) was augmented by the Lightweight Forward Entry Device (LFED) in FY 99. In FY01, TRADOC's direction to downsize the device for the Forward Observer (FO) resulted in the Pocket-Sized Forward Entry Device (PFED). The LFED/FED/PFED is a re-capitalization effort. The LFED and PFED hardware platforms replace the obsolete Simplified Handheld Terminal Unit (SHTU) 286-based system originally fielded under the FED program. As technology progressed, this system became obsolete and was unable to run current Fire Support (FS) software packages. The SHTU was fielded during the period FY92 – FY95.

The LFED/FED/PFED is an integral part of the digitized system architecture. It is a programmable input/output device used for composing, editing, transmitting, receiving and displaying alphanumeric and graphic messages for transmission over standard military radios. The LFED/FED hosts the Forward Observer System (FOS) software, which enables users to plan, control and execute fire support operations at maneuver platoon, company, battalion and brigade levels. The PFED hosts a modified version of FOS. It provides the dismounted FO with a hands-free pocket-sized "call for fire" capability with existing/future laser ranging binoculars, GPS devices, and tactical communications equipment. PFED integrates these systems improving their function as a whole and increasing their performance as a system of systems. The LFED/FED/PFED provides the vital sensor to shooter link required for effective fires.

The LFED/FED/PFED utilizes Common Hardware Software (CHS) components including the Handheld Terminal Unit (HTU), Ruggedized Handheld Computer (RHC), and the Lightweight Computer Unit (LCU). Commencing in FY03, all Combat Observation Lasing Teams (COLT) in Brigade Operational Facilities (OPFACS) will be fielded with the CHS Stand-Alone Computer Unit (SCU), which replaces the LCU. All dismounted Forward Observers will be fielded a CHS Ruggedized-Personal Digital Assistant (R-PDA) known as the PFED.

This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/05 procures hardware, engineering, fielding and program management support. The FY04/05 hardware purchase is comprised of a total one hundred and seven (107) systems which are Ruggedized Handheld Computer (RHC), Ruggedized-Personal Digital Assistant (R-PDA) and Stand-Alone Computer Units (SCU).

<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: FORWARD ENTRY DEVICE / LIGHTWEIGHT FED (FED/LFED) (BZ9851)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Hardware		6551	219		6750	555		1642	92		510	15	
Project Management Administration		2598			2468			1301			81		
Engineering Support		3650			3647			1148					
Fielding		1973			1850			1932			146		
Note: Unit costs are not displayed because the hardware unit cost reflects the varying mix of RHCs, SCU, R-PDA, IKs and other peripheral devices.													
<b>Total</b>		<b>14772</b>			<b>14715</b>			<b>6023</b>			<b>737</b>		

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

Date:  
February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: FORWARD ENTRY DEVICE / LIGHTWEIGHT FED (FED/LFED) (BZ9851)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Hardware</b>										
FY 2002	GD Taunton, MA	C/OPTION	CECOM	APR-02	AUG-02	219		YES		
FY 2003	GD and Talla-Tech Taunton, MA & Tallahassee, FL	C/OPTION	CECOM	FEB-03	JUL-03	555		YES		
FY 2004	GD and Talla-Tech Taunton, MA & Tallahassee, FL	C/OPTION	CECOM	FEB-04	JUL-04	92		YES		
FY 2005	GD and Talla-Tech Taunton, MA & Tallahassee, FL	C/OPTION	CECOM	FEB-05	JUL-05	15		YES		

REMARKS: The above hardware is COTS and is procured off the existing Common Hardware Systems (CHS II) contract.

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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

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

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty	42	39	31	55								167
Gross Cost	29.0	22.0	13.6	29.5	6.7	2.3						103.0
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	29.0	22.0	13.6	29.5	6.7	2.3						103.0
Initial Spares												
Total Proc Cost	29.0	22.0	13.6	29.5	6.7	2.3						103.0
Flyaway U/C												
Wpn Sys Proc U/C		0.6	0.4	0.5								

**Description:**

The Knight (formerly Striker) program integrates the Bradley Fire Support Vehicle (BFIST) mission equipment package (MEP) into a High Mobility Multi-Purpose Wheeled Vehicle (HMMWV) chassis supporting heavy and light force fire support operations. The Knight program is a continuation of the BFIST program designed specifically for the Combat Observation Lasing Team (COLT) in heavy divisions and light divisions. The Knight was approved as a Warfighting Rapid Acquisition Program (WRAP) designed to get the Knight operational enhancement to the soldier quickly at the best cost. The Knight Mod-In-Service line provides funding for life cycle software support including evolutionary hardware changes for the Knight program. The system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/05 funds procures fielding, logistics support and contract close-out cost for previously procured Knights. FY04/05 procures Mod-In-Service hardware changes as well as logistic changes to support the new digital communications platform and accommodates the integration of the Stand-alone Computer Unit (SCU) onto the Knight.

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature KNIGHT-COMMAND AND CONTROL SYSTEM (B78500)
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Program Elements for Code B Items: 0203758A	Code: B	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty	42	39	31	55								167
Gross Cost	29.0	22.0	13.6	28.6	5.9	1.4						100.4
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	29.0	22.0	13.6	28.6	5.9	1.4						100.4
Initial Spares												
Total Proc Cost	29.0	22.0	13.6	28.6	5.9	1.4						100.4
Flyaway U/C												
Wpn Sys Proc U/C		0.6	0.4	0.5								

**Description:**

The Knight (formerly Striker) program integrates the Bradley Fire Support Vehicle (BFIST) mission equipment package (MEP) into a High Mobility Multi-Purpose Wheeled Vehicle (HMMWV) chassis supporting heavy and light force fire support operations. The Knight program is a continuation of the BFIST program designed specifically for the Combat Observation Lasing Team (COLT) in heavy divisions and light divisions. The Knight was approved as a Warfighting Rapid Acquisition Program (WRAP) designed to get the Knight operational enhancement to the soldier quickly at the best cost. The Knight program provides a vehicle compatible with the maneuver scouts for Brigade reconnaissance teams in heavy and light divisions. It provides fire support planning, direction, controlling, target designation and night observation to the warfighter in a highly maneuverable platform. FY03 includes procurement of 20 Long Range Advanced Scout Surveillance Systems (LRAS3), which meets the ord real time requirement for target detection, recognition, identification and pin-pointing far-target locations. This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/05 procures fielding, logistics support and contract close-out cost for p previously procured Knights.



<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: KNIGHT-COMMAND AND CONTROL SYSTEM (B78500)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Hardware Costs													
1. Vehicle Upgrade													
		9905	31	320	16416	55	298						
2. LRAS3 Sensor													
					6403	20	320						
3. LRAS3 Sensor Integration													
					920	20	46						
<b>SUBTOTAL</b>		<b>9905</b>			<b>23739</b>								
Non Recurring Production													
3. Engineering Contractor													
		1604			2473			1111					
4. Engineering Government													
		406			239			153					
5. Program Management Administration													
		270			274			175					
6. Reimbursable Matrix Support													
		135			309			198					
7. Fielding													
		1015			1304			4223			1383		
8. Test & Evaluation													
		254			269								
<b>SUBTOTAL</b>		<b>3684</b>			<b>4868</b>			<b>5860</b>			<b>1383</b>		
<b>Total</b>		<b>13589</b>			<b>28607</b>			<b>5860</b>			<b>1383</b>		

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1. Vehicle Upgrade</b>										
FY 2002	SEI, Sanford, FL	SS/FFP	USATACOM, Warren, MI	Jan 02	Nov 02	31	320			
FY 2003	SEI, Sanford, FL	SS/FFP	USATACOM, Warren, MI	Jan 03	Nov 03	55	298			
<b>2. LRAS3 Sensor</b>										
FY 2003	Raytheon Corp. McKinney TX	C/FPM 5,4	USA CECOM, Ft. Monmouth, NJ	Jan 03	Feb 04	20	320			

REMARKS:





# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature MOD OF IN-SVC EQUIP, KNIGHT (B78503)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost				0.9	0.9	0.9						2.6
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)				0.9	0.9	0.9						2.6
Initial Spares												
Total Proc Cost				0.9	0.9	0.9						2.6
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The Knight (formerly Striker) Mod-In-Service line provides funding for life cycle software support including evolutionary hardware changes for the Knight program. These hardware changes include those due to the replacement of the Lightweight Computer Unit (LCU) due to obsolescence. The Mod-In-Service line also provides funding for evolutionary hardware changes for the Knight program to include upgrade of the software of the Mission Equipment (MEP) components. The system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/05 funds procure hardware changes as well as logistic changes to support the new digital communications platform and accommodates the integration of the Stand-alone Computer Unit (SCU) onto the Knight. The Mod-In-Service provides Program flexibility to incorporate minor hardware and software changes to the Knight without changing production quantities. A change in the digital communications system from the LCU to the SCU is anticipated in 3Q FY03.

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	63.9	1.0	0.9	0.9	1.8	1.8	1.9	1.9	1.9	2.0		
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	63.9	1.0	0.9	0.9	1.8	1.8	1.9	1.9	1.9	2.0	Continuing	Continuing
Initial Spares												
Total Proc Cost	63.9	1.0	0.9	0.9	1.8	1.8	1.9	1.9	1.9	2.0	Continuing	Continuing
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

Life Cycle Software Engineering (LCSE) support, by the Software Engineering Center (SEC), provides the essential services needed to maintain Communications and Electronics Command (CECOM) managed fielded Battlefield Automated Systems (BAS) in a state of operational readiness. Over 200 BASs directly depend on LCSE support to maintain a posture of mission critical readiness. Adequate funding for 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 Battlefield Automated Systems (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. Funding for this task is essential to provide and maintain software support environments and LCSE support required to maintain fielded BASs in a state of operational readiness, worldwide, to support the Warfighter in the field. This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04-FY05 procures the following items: 1) Purchase a Testbed/COMSEC Facility Upgrade – This facility will provide the SEC with a secure communications capability for the Joint Users Interoperability Communications Exercise (JUICE). 2) Support the Tactical Switching Testbed Upgrade for Communications Systems. This effort will enable the SEC to stay current with Commercial Off The Shelf (COTS) communications equipment. Our lab will stay current with the technology that is in the field. 3) Provide an airborne simulator for GUARDRAIL. This simulator will provide the SEC testbed facility the capability to simulate Signal Intelligence (SIGINT) support data which is critical for all intelligence collection systems. This SIGINT capability will be one that is incorporated in the Aerial Common Sensor. 4) Upgrade the Single Shelter Switch (SSS) Testbed Facility to enable it to develop and test the software for the emerging Objective Defense Satellite Communications System (DSCS) Operational Control System (ODOCS).

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature LOGTECH (BZ8889)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	93.2	6.8	5.9	7.5	8.8	9.2	12.1	56.3	76.7	74.7		351.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	93.2	6.8	5.9	7.5	8.8	9.2	12.1	56.3	76.7	74.7		351.2
Initial Spares												
Total Proc Cost	93.2	6.8	5.9	7.5	8.8	9.2	12.1	56.3	76.7	74.7		351.2
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

This program provides state-of-the-art technologies used with automated logistics systems to facilitate and expedite 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, integrated circuit chip cards (smart cards), PC memory cards, optical memory buttons, and wireless Local Area Network (LAN) technology. Automated 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 DoD and ensures standardization and interoperability of this equipment among the Services, while providing extensive warranty and maintenance. This systems supports the Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/05 procures fielding support to Army STAMIS and Non STAMIS systems with AIT, Radio Frequency Data Collection Devices (RFDC), networks and printers.

<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: LOGTECH (BZ8889)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
AIT Peripherals AIT Peripherals unit cost varies by item .	A	1549			1842			2283			2390		
Radio Frequency Portable Data Networks Collection Device (RFPDCD) .	A	1507			2256			2905			3107		
Project Management Spt - Government .	A	409			418			427			436		
Provisioning .	A	300			300			300			300		
Engineering Support	A	2120			2677			2859			2939		
<b>Total</b>		<b>5885</b>			<b>7493</b>			<b>8774</b>			<b>9172</b>		



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

Date:  
February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: LOGTECH (BZ8889)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>AIT Peripherals</b>										
FY 2002	Symbol Tech Inc Holtsville, NY	C/FP	CAC-W	Dec-01	Mar-02			Yes		
FY 2002	Symbol Tech Inc Holtsville, NY	C/FP	CAC-W	Mar-02	Jun-02			Yes		
FY 2002	Symbol Tech Inc Holtsville, NY	C/FP	CAC-W	Jul-02	Oct-02			Yes		
FY 2003	Symbol Tech Inc Holtsville, NY	C/FP	ITEC4	Dec-02	Mar-03			Yes		
FY 2003	Symbol Tech Inc Holtsville, NY	C/FP	ITEC4	Mar-03	Jun-03			Yes		
FY 2003	Symbol Tech Inc Holtsville, NY	C/FP	ITEC4	Jul-03	Oct-03			Yes		
FY 2004	Symbol Tech Inc Holtsville, NY	C/FP	ITEC4	Dec-03	Mar-04			Yes		
FY 2004	Symbol Tech Inc Holtsville, NY	C/FP	ITEC4	Mar-04	Jun-04			Yes		
FY 2004	Symbol Tech Inc Holtsville, NY	C/FP	ITEC4	Jul-04	Oct-04			Yes		
FY 2005	Symbol Tech Inc Holtsville, NY	C/FP	ITEC4	Dec-04	Mar-05			Yes		
FY 2005	Symbol Tech Inc Holtsville, NY	C/FP	ITEC4	Mar-05	Jun-05			Yes		
FY 2005	Symbol Tech Inc Holtsville, NY	C/FP	ITEC4	Jul-05	Oct-05			Yes		
<b>Radio Frequency Portable Data</b>										
FY 2002	Savi Technology Mountain View, CA	C/FP	CAC-W	Jan-02	Apr-02			Yes		

REMARKS: CAC-W - CECOM Acquisition Center - Washington  
ITEC4 - Information Technology E-Commerce and Commercial Contracting Center.

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

Date:  
February 2003

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

Weapon System Type:

P-1 Line Item Nomenclature:  
LOGTECH (BZ8889)

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2002	Savi Technology Mountain View, CA	C/FP	CAC-W	Apr-02	Jul-02			Yes		
FY 2003	Savi Technology Mountain View, CA	C/FP	ITEC4	Feb-03	May-03			Yes		
FY 2003	Savi Technology Mountain View, CA	C/FP	ITEC4	Apr-03	Jul-03			Yes		
FY 2004	TBD	C/FP	ITEC4	Jan-04	Apr-04			Yes		
FY 2004	TBD	C/FP	ITEC4	Apr-04	Jul-04			Yes		
FY 2005	TBD	C/FP	ITEC4	Jan-05	Apr-05			Yes		
FY 2005	TBD	C/FP	ITEC4	Apr-05	Jul-05			Yes		

REMARKS: CAC-W - CECOM Acquisition Center - Washington  
ITEC4 - Information Technology E-Commerce and Commercial Contracting Center.

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	24.6	12.3	22.6	11.2	17.5	16.1	29.6	27.9	26.0	25.7		213.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	24.6	12.3	22.6	11.2	17.5	16.1	29.6	27.9	26.0	25.7		213.5
Initial Spares												
Total Proc Cost	24.6	12.3	22.6	11.2	17.5	16.1	29.6	27.9	26.0	25.7		213.5
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

Transportation Coordinators'-Automated Information for Movement System II (TC-AIMS II) is a joint program which will reduce redundancy by consolidating management of the unit/installation-level transportation functions of Unit Movement, Load Planning and Installation Transportation Office/Traffic Management Office (ITO/TMO) operations into a single automated capability for use throughout DoD. TC-AIMS II will provide a common hardware suite running software applications designed for easy data retrieval, data exchange and connectivity to relevant external sources. Open systems architecture is emphasized throughout for standardization and interoperability and for ease of system growth and maintenance. This system supports the Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/FY05 procures the necessary replacement hardware and automated information technology (AIT) for existing Transportation Coordinator-Automated Command and Control Information System (TC-ACCIS) and Department of the Army Movement Management System-Redesigned (DAMMS-R) legacy systems. It also supports the procurement of initial and replacement TC-AIMS II hardware including 173 mini-servers, 3,010 work stations, and AIT equipment (590 combination hand-held interrogators/bar code printers and 26 optical memory card readers) for Army early deploying Power Project Platforms and Power Support Platforms. Additionally, FY04/05 supports 294 classes composed of 4,918 students. During the FY04-09 POM, TC-AIMS II project received broad support from the transportation community that resulted in increased funding in FY06-09 to support the system's deployment, replacement TC-AIMS II hardware and AIT for Army, and user training for all Services. The Project received Milestone III approval for the deployment of TC-AIMS II Block 1 to the Army and Navy as well as permission to proceed with the development of Block 2.

<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 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Deployment Support	A	1070			1210			1611			1330		
Deployment Training	A	8679			5351			4825			3268		
Hardware & Automated Info Technology	A	12836			4624			11056			11541		
<b>Total</b>		<b>22585</b>			<b>11185</b>			<b>17492</b>			<b>16139</b>		

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Deployment Support</b>										
FY 2002	Titan Systems Springfield, VA	T&M	CAC-W	SEP-01	OCT-01			YES		
FY 2003	Titan Systems Springfield, VA	T&M	CAC-W	SEP-02	OCT-02			YES		
FY 2004	Titan Systems Springfield, VA	T&M	CAC-W	SEP-03	OCT-03			YES		
FY 2005	Titan Systems Springfield, VA	T&M	CAC-W	SEP-04	OCT-04			YES		
<b>Deployment Training</b>										
FY 2002	SRA Springfield, VA	FP/T&M	DoT ITOP	FEB-02	MAR-02			YES		
FY 2003	SRA Springfield, VA	FP/T&M	DoT ITOP	FEB-03	MAR-03			YES		
FY 2004	TBD	TBD	TBD	FEB-04	MAR-04			YES		
FY 2005	TBD	TBD	TBD	FEB-05	MAR-05			YES		
<b>Hardware &amp; Automated Info Technology</b>										
FY 2002	VAR*	C/FP	CAC-W or GSA	MAY-02	JUN-02			YES		
FY 2002	VAR*	C/FP	CAC-W or GSA	MAY-02	JUL-02			YES		
FY 2002	VAR*	C/FP	CAC-W or GSA	MAY-02	AUG-02			YES		
FY 2002	VAR*	C/FP	CAC-W or GSA	JUN-02	JUL-02			YES		

REMARKS: Contractors are:  
 GSA (Government Services Administration)  
 CAC-W (CECOM Acquisition Center-Washington)  
 DoT ITOP (Department of Transportation, Information Technology Omnibus Procurement)  
 TBD (To Be Determined)  
 VAR\* (Configurations vary by site)  
 TBS (To Be Selected)

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2002	VAR*	C/FP	CAC-W or GSA	JUN-02	AUG-02			YES		
FY 2002	VAR*	C/FP	CAC-W or GSA	JUN-02	SEP-02			YES		
FY 2002	VAR*	C/FP	CAC-W or GSA	JUL-02	AUG-02			YES		
FY 2002	VAR*	C/FP	CAC-W or GSA	SEP-02	DEC-02			YES		
FY 2003	VAR*	C/FP	CAC-W or GSA	OCT-02	JAN-03			YES		
FY 2003	VAR*	C/FP	CAC-W or GSA	DEC-02	MAR-03			YES		
FY 2003	VAR*	C/FP	CAC-W or GSA	FEB-03	MAY-03			YES		
FY 2003	VAR*	C/FP	CAC-W or GSA	APR-03	JUL-03			YES		
FY 2004	TBS	C/FP	CAC-W or GSA	OCT-03	JAN-04			YES		
FY 2004	TBS	C/FP	CAC-W or GSA	JAN-04	APR-04			YES		
FY 2005	TBS	C/FP	CAC-W or GSA	OCT-04	JAN-05			YES		
FY 2005	TBS	C/FP	CAC-W or GSA	JAN-05	APR-05			YES		
FY 2005	TBS	C/FP	CAC-W or GSA	APR-05	JUL-05			YES		

REMARKS: Contractors are:  
 GSA (Government Services Administration)  
 CAC-W (CECOM Acquisition Center-Washington)  
 DoT ITOP (Department of Transportation, Information Technology Omnibus Procurement)  
 TBD (To Be Determined)  
 VAR\* (Configurations vary by site)  
 TBS (To Be Selected)

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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

P-1 Item Nomenclature  
GUN LAYING AND POS SYS (GLPS) (A30000)

Program Elements for Code B Items:  
Code:  
A

Other Related Program Elements:

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty	220	97	131									448
Gross Cost	19.5	8.3	11.7	0.2								39.7
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	19.5	8.3	11.7	0.2								39.7
Initial Spares												
Total Proc Cost	19.5	8.3	11.7	0.2								39.7
Flyaway U/C												
Wpn Sys Proc U/C		0.1	0.1									

**Description:**

The Gun Laying and Positioning System (GLPS) decreases the time required to survey and lay a howitzer battery from 2 hours to 14 minutes. The GLPS is a modular, lightweight, cost effective Non-Developmental Item (NDI) that gives each towed and self-propelled non-digitized firing battery autonomous positioning and directional capability. The GLPS rapidly self-locates and determines azimuth/deflection and position (Universal Transverse Mercator (UTM) coordinates and altitude) of each howitzer from one centrally located orienting station. The GLPS consists of a tripod mounted gyroscope integrated with an electronic digital optical instrument, eye-safe laser rangefinder, and transport case(s). Use of the GLPS also requires the AN/PSN-11 Precision Lightweight Global Positioning System (GPS) Receiver (PLGR).

This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

**Justification:**

There is no funding request for FY04/05

<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 LAYING AND POS SYS (GLPS) (A30000)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Hardware	A	10480	131	80									
Engineering Support		340											
Logistics Support		300											
Total Package Fielding/New Equip Trng		597			156								
<b>Total</b>		<b>11717</b>			<b>156</b>								



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

Date:  
February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: GUN LAYING AND POS SYS (GLPS) (A30000)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Hardware</b> FY 2002	Leica Technologies, Inc. Leesburg, VA	SS/FFP	TACOM - Rock Island	Mar 02	Nov 02	131	80	Yes	No	Feb 97

REMARKS:





# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment  
 P-1 Item Nomenclature: ISYSCON EQUIPMENT (BX0007)

Program Elements for Code B Items: 28010.107  
 Code: A  
 Other Related Program Elements: BB1600

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	59.2	28.8	31.9	30.5	21.5	36.4	3.9	1.5				213.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	59.2	28.8	31.9	30.5	21.5	36.4	3.9	1.5				213.8
Initial Spares												
Total Proc Cost	59.2	28.8	31.9	30.5	21.5	36.4	3.9	1.5				213.8
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

Integrated System Control (ISYSCON (V)1 & (V)2) provides a centralized capability for planning and managing tactical communication networks on the battlefield; automated tools for signal staff to plan, install, operate, and maintain communications networks consistent with the flow of the battle. The ISYSCON (V)1 & (V)2 software resides on CHS II Hardware Platforms in a client/server architecture. The server terminals are located in SICPS Shelters, and client terminals are located in the SICPS tent. The major functions of ISYSCON (V)1 & (V)2 are network planning and engineering, signal command and control, battlefield spectrum management, wide area network management and COMSEC management. The ISYSCON V4/Tactical Internet Management System (TIMS) is a requirement based on a change to the ISYSCON ROC, calling for Network Management for the Lower Tactical Internet and TOC LAN. TIMS will perform network planning, initialization, management and monitoring of the Tactical Internet at Brigade and Below (FBCB2) as well as TOC LAN's. TIMS Milestone C, Limited Deployment, was approved 21 June 2001.

ISYSCON (V)1 & (V)2 and TIMS systems support the Legacy transition path of the Transformation Campaign Plan (TCP).

**Justification:**

The ISYSCON (V)1 & (V)2 program provides the network management of Area Common User System (ACUS) and solves significant shortcomings in today's network management systems. FY04/05 procures hardware, facilities, initial software licenses, PDSS, recurring license maintainance, software enhancements, New Equipment Training, Recapitalization, and field support to continue the fielding of the ISYSCON (V)1/(V)2. ISYSCON (V)4 transitioned to Tactical Internet Manager (TIMS) FY03.

<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: ISYSCON EQUIPMENT (BX0007)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>ISYSCON (V)1 &amp; (V)2</b>													
Production Hardware		4250	14	304	11630	24	485	1365	4	341	2046	6	341
Hardware SICPS Facility		660	4	165	1798	10	180						
Engineering/Integration/Non-recurring ECO's		2678			2417			1569			284		
					309			578			550		
<b>Sys Proj Mgmt</b>													
Project Management		1286			2402			2224			2900		
Data													
Fielding/Net		11628			9248			8349			8807		
V/1&2 Initial Spares		68			527			310			297		
Training Base		645						954			5506		
Software Licenses & Maintenance		2205			2187			2238			2316		
Software Sustainment PDSS								3941			4830		
Recapitalization											5720		
Software Enhancement											3119		
<b>Subtotal</b>		<b>23420</b>			<b>30518</b>			<b>21528</b>			<b>36375</b>		
<b>Production System</b>													
GFE-Applique+ and Workstations													
ISYSCON V(4)		280	40	7									
ISYSCON V(4) GFE-Software Licenses													
PDSS		720											
ECO's		275											
<b>Engineering Support</b>													
Government		804											
Contractor		276											
Data													
Training		513											
<b>Fielding</b>													
Initial Spares													
Initial Repair Parts													
New Equipment Training		1456											
Contractor Log Support		4198											
Other Logistics													
<b>Subtotal</b>		<b>8522</b>											
<b>Total</b>		<b>31942</b>			<b>30518</b>			<b>21528</b>			<b>36375</b>		

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

Date:  
February 2003

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

Weapon System Type:

P-1 Line Item Nomenclature:  
ISYSCON EQUIPMENT (BX0007)

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Production Hardware</b>										
FY 2002	GDC4S Taunton, MA	IDIQ	CECOM	Nov-01	Jul-02	14	304	Yes		
FY 2003	GDC4S Taunton, MA	IDIQ	CECOM	Jan-03	Jul-03	24	485			
FY 2004	GDC4S Taunton, MA	IDIQ	CECOM	Jan-04	Jul-04	4	341			
FY 2005	GDC4S Taunton, MA	IDIQ	CECOM	Jan-05	Jul-05	6	341			
<b>Hardware SICPS Facility</b>										
FY 2002	Gichner Dallastown, PA	OPT	CECOM	May-02	Sep-02	4	165	Yes		
FY 2003	Marion Composite Marion, VA	IDIQ	CECOM	Feb-03	Sep-03	10	180			
<b>ISYSCON V(4)</b>										
FY 2002	GDC4S Taunton, MA	IDIQ	CECOM	Mar-02	Apr-02	40	7	Yes		

REMARKS: All above hardware with the exception of SICPS is Commercial-Off-The-Shelf (COTS). SICPS delivery time varies, dependent on stockage. The ISYSCON (V)4/transitioned to Tactical Internet Manager in FY03.







# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature Joint Network Management System (JNMS) (B95700)
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Program Elements for Code B Items: 64786.363	Code: A	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost				6.7	9.5	7.7	3.2	5.2	1.0	1.0		34.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)				6.7	9.5	7.7	3.2	5.2	1.0	1.0		34.2
Initial Spares												
Total Proc Cost				6.7	9.5	7.7	3.2	5.2	1.0	1.0		34.2
Flyaway U/C												
Wpn Sys 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 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 flexible software architecture and hosted on a Defense Information Infrastructure, Corps of Engineers (DII COE) compliant hardware platform. This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP) and the Warfighter Information Network-Tactical (WIN-T).

**Justification:**

FY04/05 initiates the procurement of JNMS, which will provide a needed capability to the Combatant Commander and Commander, Joint Task Forces and their supporting Components. It will procure hardware, software licenses and maintenance and initial spares to continue the JNMS fielding. It also will procure the fielding and training required to provide the system to the user.

<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 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Units	\$	\$000	Units	\$	\$000	Units	\$	\$000	Units	\$
<b>Production System</b>													
JNMS Hardware				1436	14	103	2328	23	101	1199	11	109	
Software License				1824			3323			2970			
Software Maintenance				483			1654			1793			
System Integration/Fldg/NET				1641			1035			695			
<b>Engineering Support</b>													
Government				285			280			210			
Contractor				571			250			250			
Initial Spares				377			519			511			
Other Logistics				65			63			54			
<b>Total</b>				<b>6682</b>			<b>9452</b>			<b>7682</b>			

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

Date:  
February 2003

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)

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>JNMS Hardware</b>										
FY 2003	SAIC San Diego, CA	FFP	CECOM	May-03	Nov-03	14	103			
FY 2004	SAIC San Diego, CA	FFP	CECOM	Oct-03	Apr-04	23	101			
FY 2005	SAIC San Diego, CA	FFP	CECOM	Oct-04	Apr-05	11	109			

REMARKS: JNMS Hardware is COTS and will be procured as an option on the JNMS contract or other US Army contract.

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature Tactical Internet Manager (B93900)
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Program Elements for Code B Items: 28010.01D	Code:	Other Related Program Elements: BX0007
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost				11.5	8.3	11.4	14.4	5.8	6.0	6.4		63.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)				11.5	8.3	11.4	14.4	5.8	6.0	6.4		63.9
Initial Spares												
Total Proc Cost				11.5	8.3	11.4	14.4	5.8	6.0	6.4		63.9
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The ISYSCON (V) 4/Tactical Internet Management System (TIMS) is based on an Operational Requirements Document (ORD) for the Integrated Systems Control (ISYSCON) dated May 02, calling for Network Management for the Lower Tactical Internet and TOC 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.

Prior to FY03, TIMS funding was part of ISYSCON, BX0007.

The TIMS Program supports the Legacy transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY 04/05 procures hardware, Commercial-Off-the-Shelf (COTS) software, initial spares, New Equipment Training and fielding in accordance with the Unit Set Fielding Modernization Schedule V 9.0, and roundout previously fielded units to the ORD quantity requirements. It also procures Contractor Field Support and Post Deployment Software Support (PDSS) for these 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: Tactical Internet Manager (B93900)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
<b>ISYSCON (V)4/TIMS</b> Production System													
ISYSCON (V)4 Blk 4 GFE-Laptops				238	34	7	70	10	7				
ISYSCON (V)4 Blk 5 GFE-Laptops										1140	76	15	
Government Engineering				2495			2792			2754			
Initial Spares				55			10			171			
Initial Repair Parts				55			11			171			
New Equipment Training				1004			500			1000			
Contractor Log Support				2328			1800			1440			
Other (PDSS)				4343			3138			4773			
Ft Gordon Classroom				1004									
Due to error in database \$5.5M was taken out of this program in FY04. Correct FY04 \$ should be \$13.821													
<b>Total</b>							<b>11522</b>			<b>8321</b>			<b>11449</b>

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>ISYSCON (V)4 Blk 4 GFE-Laptops</b> FY 2003	GDC4S Taunton, MA	IDIQ	PM CHS	Mar 03	Apr 03	34	7	Yes		
FY 2004	GDC4S Taunton, MA	IDIQ	PM CHS	Mar 04	Apr 04	10	7	Yes		
<b>ISYSCON (V)4 Blk 5 GFE-Laptops</b> FY 2005	GDC4S Taunton, MA	IDIQ	PM CHS	Mar 05	Apr 05	76	15	Yes		

REMARKS: The above hardware is COTS

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty	239	246			201	454	388	342	280	224	5645	8019
Gross Cost	23.3	30.6	9.6	7.4	37.1	50.7	48.3	38.0	29.2	30.1	616.0	920.3
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	23.3	30.6	9.6	7.4	37.1	50.7	48.3	38.0	29.2	30.1	616.0	920.3
Initial Spares			0.4	2.9	2.0	2.0	1.8	1.9	1.5	1.5	43.1	57.1
Total Proc Cost	23.3	30.6	10.0	10.3	39.1	52.7	50.1	39.9	30.7	31.6	659.2	977.5
Flyaway U/C												
Wpn Sys Proc U/C		0.1			0.2	0.1	0.1	0.1	0.1	0.1		

**Description:**

The Maneuver Control System (MCS) is an automated tactical Command, Control and Communications (C3) system which provides a network of computer terminals 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. The MCS program is an evolutionary development including planned system improvements to insure increasing Command and Control (C2) capabilities and infusion of current technology while, in the interim, providing an essential core capability.

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.

The MCS system will equip the total 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.

This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/05 procures MCS systems for Stryker Brigade Combat Teams (SBCTs) and a III Corps slice to include 3rd Armored Cavalry Regiment and 4th Infantry Division (3rd Bde). In addition, FY05 reprocures retrofit hardware for SBCT's 1 and 2 and the 4th Infantry Division.

<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: MANEUVER CONTROL SYSTEM (MCS) (BA9320)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
HARDWARE- CHS - Computer Systems (Includes Hardware Reprourement)							3122	201	16	6889	454	15	
UPGRADE OF CHS TEST HARDWARE				672									
SICPS							7363			5283			
TRAINING BASE HWR & UPGRADES										6525			
PERIPHERALS: Printer, Large Screen Display, Tact Scanner, Large Scale Plotter, AIS Device (Includes Peripheral Reprourement)							7575			14333			
PROJECT MANAGEMENT ADMIN		2863			2360		1958			1994			
FIELDING Fielding Team, Rebuy Fielding Support Hardware Integration		5372			2928		7777			7922			
INTERIM CONTRACTOR SUPPORT							2107			1315			
OTHER - CTSF Spt, GBL, Software Support		1354			1418		7239			6397			
<b>Total</b>		<b>9589</b>			<b>7378</b>		<b>37141</b>			<b>50658</b>			



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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>HARDWARE- CHS - ComputerSystems</b>										
FY 2004	General Dynamics Taunton, MA	C/FP/OPT	CECOM, Ft Monmouth, NJ	Jan 04	Jul 04	201	16	Yes		
FY 2005	General Dynamics Taunton, MA	C/FP/OPT	CECOM, Ft Monmouth, NJ	Jan 05	Jul 05	454	15	Yes		

REMARKS: The MCS Milestone III decision has been delayed into 1QFY05. However, in order to meet the critical fielding objectives required to support Army Modernization, the Army is currently staffing a request for Milestone Decision Authority to procure 201 systems in FY04. Full rate production will commence in January 2005 following the Milestone III approval.

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty	4811											4811
Gross Cost	484.8	23.3	45.8	59.6	46.2	75.7	104.3	108.3	117.1	116.9		1182.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	484.8	23.3	45.8	59.6	46.2	75.7	104.3	108.3	117.1	116.9		1182.1
Initial Spares												
Total Proc Cost	484.8	23.3	45.8	59.6	46.2	75.7	104.3	108.3	117.1	116.9		1182.1
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

STAMIS Tactical Computers (STACOMP) are a group of Commercial Off-the-Shelf (COTS) computer systems supporting STAMIS tactical computer requirements for the US Army. These systems, used by soldiers on the battlefield to support Combat Service Support (CSS) missions at all levels, are transportable and user friendly. STACOMP COTS supports life cycle replacement of the existing logistics STAMIS: Standard Army Retail Supply System (SARSS), Standard Army Ammunition System (SAAS), Standard Army Maintenance System (SAMS), and Unit Level Logistics System (ULLS), as well as Global Combat Support System-Army/Tactical (GCSS-Army/AT), and the Electronic-Military Personnel Office (e-MILPO)(formerly SIDPERS-3).

The Global Combat Support System-Army/Tactical (GCSS-A/T) is a Major Defense Acquisition Program (MDAP) and the primary enabler of the Army's Combat Support/Combat Service Support (CSS) transformation. GCSS-A/T will replace SAAS, SAMS, SARSS, ULLS, SPBS-R and ILAP. GCSS-A/T will provide the warfighter with a seamless flow of timely, accurate, accessible and secure information that gives combat forces a decisive edge. The GCSS-A/T system will provide the best business processes and streamline procedures and accountability for all users in support of the Interim Force and support of the Army's Transformation to the Objective Force. GCSS-Army/T supports the Objective transition path of the Transformation Campaign Plan (TCP).

e-MILPO will integrate the myriad Human Resources (HR) developments to produce a system of systems to support Army Personnel Transformation. e-MILPO comprises a standardized database consisting of institutional applications and systems, and tactical-operational systems to support the Active and Reserve Components in home base, exercise-training, contingency operations, and battle-war environments. e-MILPO supports the Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/FY05 procures and fields COTS computers to continue legacy replacements hardware and STAMIS support systems. It also procures e-MILPO data servers, web servers, communications equipment, data entry devices, storage upgrades and other network components to facilitate accelerated fielding of Defense Integrated Military Human Resource Systems (DIMHRS) Army equipment to the Active and Reserve Components.



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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>GCSS-Army/T Hardware</b>										
FY 2002	Various	C/FP	CAC-W	JAN-02	FEB-02			YES		
FY 2002	Various	C/FP	CAC-W	APR-02	MAY-02			YES		
FY 2002	Various	C/FP	CAC-W	SEP-02	OCT-02			YES		
FY 2003	Various	C/FP	CAC-W	DEC-02	JAN-03			YES		
FY 2003	Various	C/FP	CAC-W	FEB-03	MAR-03			YES		
FY 2003	Various	C/FP	CAC-W	MAY-03	JUN-03			YES		
FY 2003	Various	C/FP	CAC-W	JUL-03	AUG-03			YES		
FY 2004	Various	C/FP	CAC-W	DEC-03	JAN-04			YES		
FY 2004	Various	C/FP	CAC-W	FEB-04	MAR-04			YES		
FY 2004	Various	C/FP	CAC-W	MAY-04	JUN-04			YES		
FY 2005	Various	C/FP	CAC-W	DEC-04	JAN-05			YES		
FY 2005	Various	C/FP	CAC-W	FEB-05	MAR-05			YES		
FY 2005	Various	C/FP	CAC-W	MAY-05	JUN-05			YES		
<b>Hardware</b>										

REMARKS: 1) Configurations (quantity and unit cost) vary by user requirement.  
 2) Standard Requirements Type Contracts will be used to procure these COTS microcomputers such as: STAMIS Computer Contract II (SCC II) with Government Technology Systems, Inc, Chantilly, VA; Dell, Austin, TX; Universal High Tech Development, Rockville, MD; and Micron, Meridian, Idaho.  
 FT H - Ft Huachuca, Arizona

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2002	EDS Herndon, VA	C/FP	GSA, FT H, AZ	AUG-02	DEC-02			YES		
FY 2003	EDS Herndon, VA	C/FP	GSA, FT H, AZ	FEB-03	MAR-03			YES		
FY 2004	EDS Herndon, VA	C/FP	GSA, FT H, AZ	NOV -03	JAN-04			YES		
FY 2005	EDS Herndon, VA	C/FP	GSA, FT H, AZ	NOV-04	JAN-05			YES		
<b>STAMIS Support Hardware</b>										
FY 2002	Various	C/FP	CAC-W	MAR-02	APR-02			YES		
FY 2003	Various	C/FP	CAC-W	MAR-03	APR-03			YES		
FY 2004	Various	C/FP	CAC-W	MAR-04	APR-04			YES		
FY 2005	Various	C/FP	CAC-W	MAR-05	APR-04			YES		

REMARKS: 1) Configurations (quantity and unit cost) vary by user requirement.  
2) Standard Requirements Type Contracts will be used to procure these COTS microcomputers such as: STAMIS Computer Contract II (SCC II) with Government Technology Systems, Inc, Chantilly, VA; Dell, Austin, TX; Universal High Tech Development, Rockville, MD; and Micron, Meridian, Idaho.  
FT H - Ft Huachuca, Arizona

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature STANDARD INTEGRATED CMD POST SYSTEM (BZ9962)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	169.3	57.6	32.7	28.7	0.4			2.5	1.7	0.9		293.9
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	169.3	57.6	32.7	28.7	0.4			2.5	1.7	0.9		293.9
Initial Spares												
Total Proc Cost	169.3	57.6	32.7	28.7	0.4			2.5	1.7	0.9		293.9
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

This program includes the procurement of five command post variants, each designed to accommodate the various Battlefield Functional Areas and Tactical Operations Centers (TOCs) of the Army Battle Command System (ABCS) and other customers. The ABCS customers include the Army Tactical Command and Control System (ATCCS) (to include Maneuver Control System (MCS), the Advanced Field Artillery Tactical Data System (AFATDS), the Combat Services Support Control System (CSSCS), the Forward Area Air Defense Command and Control System (FAADC2), the Air and Missile Defense Planning and Control System (AMDPCS), the All Source Analysis System (ASAS), and the Integrated Meteorological System (IMETS)). This also supports FDC, FDD, SDD and Transformation efforts. The five command post variants are:

- (1) A Tent Command Post (CP) that consists of a lightweight aluminum frame, interchangeable fabric wall sections, fabric roof, floors and liners, work tables, mapboards, and light set. The Tent CP can be complexed to other tents and to other SICPS variants via an interface wall.
- (2) A Rigid Wall Shelter (RWS) CP mounted on the High Mobility Multipurpose Wheeled Vehicle (HMMWV) Shelter Carrier consisting of an on-board generator, power conversion/distribution system, environmental control unit, collective chemical protection, signal and power pass-through panels, antenna mounts, equipment mounts, equipment racks to accommodate two ABCS workstations, operator seats, a vehicle intercom system and a 10 meter Quick Erect Antenna Mast (QEAM).
- (3) Conversion Kits for the M577 Track Vehicle consisting of equipment racks for two ABCS workstations, power and signal panels, tent interface panel, operator seats, antenna mounts, stowage provisions, an updated Auxiliary Power Unit (APU), a vehicular intercom system, a power distribution system, a 10 meter QEAM, and a signal/data wiring module. The converted M577 has been designated the M1068 Track CP.
- (4) Installation Kits for the 5-Ton Expansible Van (E-Van) consisting of racks for up to six ABCS workstations, centralized communications rack, communications patch panel, signal entry panel, antenna mounts, mapboards, a vehicular intercom system, a 10 meter QEAM, updated power distribution wiring and signal/data wiring.

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

Date:

February 2003

Appropriation/Budget Activity/Serial No:

Other Procurement, Army /2/Communications and Electronics Equipment

P-1 Item Nomenclature

STANDARD INTEGRATED CMD POST SYSTEM (BZ9962)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

(5) Installation Kits for the Soft-Top HMMWV consisting of equipment racks for up to two ABCS workstations, communications patch panel module, antenna mounts, operator work surface, data patching module, white canvas liners, blackout curtains and a 10 meter QEAM.

This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04 funds will procure 52 tents as shelters for the AFATDS system. The Standardized Integrated Command Post System (SICPS) is essential to the Army's Transformation efforts. It provides the mobile and environmentally protected platform for the Army Battlefield Command System (ABCS) which is a major part of the Army Chief of Staff's effort to digitized the battlefield. Procurement of each of the above variants is required to support the fielding of the ABCS to the Battlefield Functional Areas.

<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: STANDARD INTEGRATED CMD POST SYSTEM (BZ9962)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
1. Tent Command Post		749	107	7	1540	220	7	361	52	7			
PM/Administration		500			650								
Engineering Support		400			600								
2. Rigid Wall Shelter - V4													
PM/Administration		600			572								
Engineering Support		750			450								
3. Rigid Wall Shelter - V5					16830	102	165						
PM/ Administration		800			500								
Engineering Support		1300			650								
RWS GFE		2740											
4. M1068 Conversion Kit													
Fldg/Install													
PM/Administration		500			400								
Engineering Support		300			450								
5. M577													
PM/Administration		500			350								
Engineering Support		300			450								
6. 5-Ton E-Van Installation Kit													
PM/Administration		500			350								
Engineering Support		350			200								
7. Soft Top HMMWV Installation Kit		3944	58	68	142	2	71						
PM/Administration		504			500								
Engineering Support		847			300								
8. TOCs/AMDCCS H/W		5800											
TOCs GFE		6300											
9. Interim Contractor		3960			2995								
DRB Support		1100			807								
<b>Total</b>		<b>32744</b>			<b>28736</b>			<b>361</b>					



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

Date:  
February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: STANDARD INTEGRATED CMD POST SYSTEM (BZ9962)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1. Tent Command Post</b>										
FY 2002	Camel Manufacturing Lafollette, TN	C/Option	DLA,Phil, PA	May 02	Jul 02	107	7	Yes		
FY 2003	Camel Manufacturing Lafollette, TN	C/Option	DLA,Phil, PA	Jan 03	Mar 03	220	7	Yes		
FY 2004	Camel Manufacturing Lafollette, TN	C/Option	DLA, Phil,PA	Apr 04	Jun 04	52	7	Yes		
<b>3. Rigid Wall Shelter - V5</b>										
FY 2003	General Dynamics Marion Ops Marion VA	C/Option	CECOM	Feb 03	Jul 03	102	165	Yes		
<b>7. Soft Top HMMWV Installation Kit</b>										
FY 2002	Tobyhanna Army Depot CECOM	MIPR	CECOM	Jan 02	Nov 02	58	68	Yes		
FY 2003	Tobyhanna Army Depot CECOM	MIPR	CECOM	Apr 03	Oct 03	2	71	Yes		

REMARKS: FY 2004-2009 funds and program transferred to PdM TOCs (BZ9865).





# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment  
 P-1 Item Nomenclature: ARMY TRAINING MODERNIZATION (BE4169)

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

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	59.6	34.3	29.0	18.7	6.2	25.9	37.4	19.5	16.9	15.4		262.8
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	59.6	34.3	29.0	18.7	6.2	25.9	37.4	19.5	16.9	15.4		262.8
Initial Spares												
Total Proc Cost	59.6	34.3	29.0	18.7	6.2	25.9	37.4	19.5	16.9	15.4		262.8
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

Army Training Modernization 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 Distributed Training Technology Program (DTTP) (BE4171), Other Training Modernization (BE4172), and The Army Distance Learning Program (TADLP) (BE4173). Other Training Modernization modernizes/enhances classrooms at existing TRADOC resident schools. This improves training provided through the schools and allows their use to broadcast training to Army wide digital training facilities deployed through DTTP and TADLP. DTTP and TADLP will provide approximately 860 modern distance learning enabled Digital Training Facilities (DTF) 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.

Army Training Modernization 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 Speciality (MOS) training. Army can significantly increase levels of MOS qualification, hence readiness, with standardized Army courseware delivered through distance 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. Without this investment, the problem of training backlog will be exacerbated; Army schools will be unable to export the expertise and standardization provided by master instructors and subject matter experts; the full benefits of Army courseware already updated or currently being updated will not be realized; and soldiers will not be able to receive training any where and any time required. Army Training Modernization will deliver standardized training to Active Component (AC) and Reserve Component (RC) soldiers and Department of the Army civilians (DAC). DTTP/TADLP provide infrastructure for soldiers to train at or near their assigned station, in lieu of resident training at Army schools. The TRADOC Classroom (CR) XXI component of Other Training Modernization provides infrastructure of modernized classrooms at existing TRADOC schools.

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

Date:

February 2003

Appropriation/Budget Activity/Serial No:

Other Procurement, Army /2/Communications and Electronics Equipment

P-1 Item Nomenclature

ARMY TRAINING MODERNIZATION (BE4169)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

Operational implementation of the CR XXI 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 Army Training Modernization investment. Tasks supported within CR XXI include both conducting training and receiving training.

**Justification:**

FY04/05 procures continued fielding of Digital Training Facilities in order to provide Distance Learning capabilities to additional locations, consistent with the Army plan; allows continued modernization of TRADOC schoolhouse delivered training classrooms and implementation of Digital Training Access Centers (DTACs) at TRADOC schools to support Army wide digital training facilities. The funds also procure a minimal fielding of Block 3, Learning Management System (LMS).

<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 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
The Army Distance Learning Program (TADLP)	A	21873			12430			3324			7115		
Distributive Training Technology Program (DTP)	A	3476			2882			2167			16739		
Other Training Modernization (CR XXI)	A	3630			3400			695			2012		
<b>Total</b>		<b>28979</b>			<b>18712</b>			<b>6186</b>			<b>25866</b>		

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost		9.6	3.5	2.9	2.2	16.7	13.9	12.5	11.5	10.8		83.6
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)		9.6	3.5	2.9	2.2	16.7	13.9	12.5	11.5	10.8		83.6
Initial Spares												
Total Proc Cost		9.6	3.5	2.9	2.2	16.7	13.9	12.5	11.5	10.8		83.6
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

Distributive Training Technology Program (DTTP) will provide approximately 519 digital training facilities (DTF) not included within The Army Distance Learning Program (TADLP). The primary mission of DTTP is to provide access to military readiness training to 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 TADLP and Classroom (CR) XXI. 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 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 is 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.

**Justification:**

FY 04/05 procures continued fielding of DTTP digital training facilities (DTF) in order to provide Distance Learning capabilities to additional locations, consistent and coordinated with the Army plan. Each DTF provides a positive return on investment, and supports both improved force readiness and meets Congressional direction.

<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: DISTRIBUTIVE TRAINING TECHNOLOGY (BE4171)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Digital Training Facilities (3 to 18 students) (Data Process Servers, Desktop PCs, Audio/Video Equipment, Communications Infrastructure) +++++		1950	13	150	1720	12	143	1104	10	110	8825	80	110
Integration, Production and Fielding (Labor and tools associated with production and fielding of the complete Digital Training Facility system.)		1526	13	117	1162	10	117	1063	11	97	7914	80	99
<b>Total</b>		<b>3476</b>			<b>2882</b>			<b>2167</b>			<b>16739</b>		



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

Date:  
February 2003

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)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Digital Training Facilities</b>										
FY 2002	Electronic Data Systems Reston, VA	C/FP	NCR	Jan 02	Apr 02	13	150	Y		
FY 2002	SAIC NCR	C/FP	NCR	Jun 02	Sep 02	13	150	Y		
FY 2003	SAIC NCR	C/FP	NCR	Jun 03	Sep 03	12	143	Y		
FY 2004	TBS GSA, NCR/FISSP	C/FP	NCR	Jun 04	Sep 04	10	110	Y		
FY 2005	TBS GSA, NCR/FISSP	C/FP	NCR	Jun 05	Sep 05	80	110	Y		
<b>Integration, Production and Fielding</b>										
FY 2002	SAIC NCR	C/FP	NCR	Jun 02	Oct 01	13	117	Y		
FY 2002	Electronic Data Systems Reston, VA	C/FP	NCR	Jan 02	Apr 02	13	117	Y		
FY 2003	SAIC NCR	C/FP	NCR	Jun 03	Sep 03	10	117	Y		
FY 2004	TBS GSA, NCR/FISSP	C/FP	NCR	Jun 04	Sep 04	11	97	Y		
FY 2005	TBS GSA, NCR/FISSP	C/FP	NCR	Jun 05	Sep 05	80	99	Y		

REMARKS: GSA, NCR-Government Services Administration, National Capital Region  
FISSP - Federal Information Support Systems Program

# Exhibit P-40, Budget Item Justification Sheet

Date:

February 2003

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 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	18.9	3.5	3.6	3.4	0.7	2.0	18.8	1.5	1.5	1.3		55.3
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	18.9	3.5	3.6	3.4	0.7	2.0	18.8	1.5	1.5	1.3		55.3
Initial Spares												
Total Proc Cost	18.9	3.5	3.6	3.4	0.7	2.0	18.8	1.5	1.5	1.3		55.3
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

Classroom XXI provides an advanced instructional technology environment in which the soldier of the 21st century will train. This Training and Doctrine Command (TRADOC) initiative modernizes institutional training classrooms with information age technology to gain training efficiencies, while maximizing soldier training effectiveness. Achievement of this environment requires investments in hardware, software, facilities and communications. The TRADOC Classroom (CR) XXI program is building fully networked, high technology, and student-centered digitized classrooms to support Army Training Modernization initiatives. Infrastructure acquired will support multiple capabilities. These include interactive multimedia delivery to student desktops, Internet access, full-motion/full-screen digital video, video teletraining and collaborative computing.

**Justification:**

FY04/05 procures continued modernization of TRADOC schoolhouse delivered training classrooms and implementation of Digital Training Access Centers (DTACs) at TRADOC schools to support use of redesigned courseware in CR XXI facilities and transmission of resident and redesigned courseware to Army wide digital training facilities. DTACs store approved courseware components in digital (automated) format for access and distribution to any Army digital training facility (CR XXI, Distributed Training Technology Program (DTTP), and The Army Distance Learning Program (TADLP)) as needed.

<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: OTHER TRAINING MODERNIZATION (BE4172)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>		<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
ID CD		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Classroom XXI (CRXXI) +++++ Configurations vary by user requirements		3630	11	330	3400	12	283	695	2	348	2012	7	287
<b>Total</b>		<b>3630</b>			<b>3400</b>			<b>695</b>			<b>2012</b>		

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

Date:  
February 2003

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)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Classroom XXI (CRXXI)</b>										
FY 2002	Northrop Grumman IT Greenbelt, MD	MIPR	GSA, Kansas City, MO	Nov 01	Dec 01			Yes		
FY 2002	ACS Virginia Beach, VA	C/FP	TAC, Ft Eustis, VA	Jan 02	Feb 02			Yes		
FY 2002	Portable Warehouse Corp Anaheim, CA	MIPR	GSA, Bremerton, WA	Dec 01	Dec 01			Yes		
FY 2003	Northrop Grumman IT Greenbelt, MD	MIPR	GSA, Kansas City, MO	Oct 02	Nov 02			Yes		
FY 2003	ACS Virginia Beach, VA	C/FP	TAC, Ft Eustis, VA	Oct 02	Nov 02			Yes		
FY 2003	Portable Warehouse Corp Anaheim, CA	MIPR	GSA, Bremerton, WA	Oct 02	Oct 02			Yes		
FY 2004	Northrop Grumman IT Greenbelt, MD	MIPR	GSA, Bremerton, WA	TBS	TBS			Yes		
FY 2004	ACS Virginia Beach, VA	C/FP	TAC, Ft Eustis, VA	TBS	TBS			Yes		
FY 2004	Portable Warehouse Corp Anaheim, CA	MIPR	GSA, Bremerton, WA	TBS	TBS			Yes		
FY 2005	Northrop Grumman IT Greenbelt, MD	MIPR	GSA, Bremerton, WA	TBS	TBS			Yes		
FY 2005	ACS Virginia Beach, VA	C/FP	TAC, Ft Eustis, VA	TBS	TBS			Yes		
FY 2005	Portable Warehouse Corp Anaheim, CA	MIPR	GSA, Bremerton, WA	TBS	TBS			Yes		

REMARKS: Classroom XXI Contractor is: Northrop Grumman Information Technology, Greenbelt, MD, formerly known as Federal Data Corporation.  
 GSA = General Services Administration (GSA)  
 TAC = TRADOC Acquisition Center reorganized and renamed Peninsula Contracting Division, Northern Region Contracting Center, located at Ft Eustis, VA  
 Configurations vary by user requirements

# Exhibit P-40, Budget Item Justification Sheet

Date:

February 2003

Appropriation/Budget Activity/Serial No:

Other Procurement, Army /2/Communications and Electronics Equipment

P-1 Item Nomenclature

THE ARMY DISTANCE LEARNING PROGRAM (TADLP) (BE4173)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	40.7	21.1	21.9	12.4	3.3	7.1	4.7	5.4	4.0	3.3		123.9
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	40.7	21.1	21.9	12.4	3.3	7.1	4.7	5.4	4.0	3.3		123.9
Initial Spares												
Total Proc Cost	40.7	21.1	21.9	12.4	3.3	7.1	4.7	5.4	4.0	3.3		123.9
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The Distributed Learning System (DLS), formerly The Army Distance Learning Program (TADLP), is an ACAT 1AC program. DLS will complete 307 of 380 objective Digital Training Facilities (DTFs) with standard automation and supporting infrastructure to improve Army's ability to train service members and supporting civilian workers. As of 2d Qtr, FY 2003 246 DTFs will be completed. The objective quantity of 380 DTFs consists of 214 Active Component DTFs and 166 United States Army Reserve (USAR) DTFs. DLS will aid the Army to properly train all components to a single Army standard. DLS supports readiness by enhancing institutional and individual training in all Army components (Active, Army National Guard, and Army Reserve). This system supports the Objective transition path of the Transformation Campaign Plan (TCP).

DLS provides both near and long-term infrastructure to enhance training of all Army components, 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 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.

**Justification:**

FY04/05 procures 27 additional Digital Training facilities (DTFs); technology refreshment(desktop computers and VTT hardware suites) within previously fielded DTFs; and, supports the ongoing fielding and system implementation of previously procured DTFs to support Army training at remote sites for a major subset of existing Army courses. This supports implementation of synchronous and asynchronous training tools to augment and enhance existing Army training instruments. Also planned is the initial fielding of Block 3, Learning Management System (LMS), software that supports automated student administration and management. These efforts will maximize the utility of training to each student while reducing the time required by the student to complete assigned units of training. Efforts will continue to deploy modern, user friendly, learning environments to support all service members.

<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: THE ARMY DISTANCE LEARNING PROGRAM (TADLP) (BE4173)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Block 1: 16 Seat AC DTFs, DP Servers, Desktop PCs, VTT Equipment Suites & Communications Infrastructure. *****	A	10484			2826			282			571		
Block 1: 12 Seat USAR DTFs, DP Servers, Desktop PCs, VTT Equipment Suites & Communications Infrastructure. *****	A	5479			5957			554			1518		
Block 1: AC Desktop PCs & VTT Equipment Suites [Refreshment] *****	A							938			2132		
Block 1: USAR Desktop PCs & VTT Equipment Suites [Refreshment] *****	A							107			1531		
Block 2 - Enterprise System Management (ESM) Software *****	A	185			163			102			211		
Block 2 - Engineering and Installation *****	A	1686			1452			379			172		
Block 3 - LMS Software & Installation	A	4039			2032			962			980		
<b>Total</b>		<b>21873</b>			<b>12430</b>			<b>3324</b>			<b>7115</b>		

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

Date:  
February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: THE ARMY DISTANCE LEARNING PROGRAM (TADLP) (BE4173)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Block 1: 16 Seat AC DTFs.</b>										
FY 2002	**VARIOUS**	C [IDIQ]	GSA, Region 10, Bremerton, WA	Jan-02	Feb-02			Yes		
FY 2003	**VARIOUS**	C [IDIQ]	Cbt Dir Sys Acty, Dam Neck, VA	Jan-03	Feb-03			Yes		
FY 2004	**VARIOUS**	C [IDIQ]	Cbt Dir Sys Acty, Dam Neck, VA	Jan-04	Feb-04			Yes		
FY 2005	**VARIOUS**	C [IDIQ]	Cbt Dir Sys Acty, Dam Neck, VA	Jan-05	Jan-05			Yes		
<b>Block 1: 12 Seat USAR DTFs,</b>										
FY 2002	**VARIOUS**	C [IDIQ]	GSA, Region 10, Bremerton, WA	Jan-02	Feb-02			Yes		
FY 2003	**VARIOUS**	C [IDIQ]	Cbt Dir Sys Acty, Dam Neck, VA	Jan-03	Feb-03			Yes		
FY 2004	**VARIOUS**	C [IDIQ]	Cbt Dir Sys Acty, Dam Neck, VA	Jan-04	Feb-04			Yes		
FY 2005	**VARIOUS**	C [IDIQ]	Cbt Dir Sys Acty, Dam Neck, VA	Jan-05	Feb-05			Yes		
<b>Block 1: AC Desktop PCs &amp; VTT</b>										
FY 2004	**VARIOUS**	C [IDIQ]	GSA, Region 10, Bremerton, WA	Jan-04	Feb-04			Yes		
FY 2005	**VARIOUS**	C [IDIQ]	GSA, Region 10, Bremerton, WA	Jan-05	Feb-05			Yes		
<b>Block 1: USAR Desktop PCs &amp; VTT</b>										
FY 2004	**VARIOUS**	C [IDIQ]	GSA, Region 10, Bremerton, WA	Jan-04	Feb-04			Yes		

REMARKS: REMARKS: \*\*VARIOUS\*\* - DTF configurations vary by component user and installation site requirements. [GSA Region 10-General Services Administration, Region 10, Bremerton, WA FY02/Combat Direction Systems Activity, Dam Neck, Virginia Beach, VA FY03-FY05 Contractors are ACS Systems Engineering, Virginia beach, VA (Block 1 & 2 DTFs and infrastructure implementation); Sprint, Herndon, VA (video teletraining equipment); and The Portable Warehouse, Anaheim, CA (computer workstation hardware).

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

Date:  
February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: THE ARMY DISTANCE LEARNING PROGRAM (TADLP) (BE4173)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2005 <b>Block 2 - Enterprise System Management</b>	**VARIOUS**	C [IDIQ]	GSA, Region 10, Bremerton, WA	Jan-05	Feb-05			Yes		
FY 2002	TELOS Corporation Ashburn, VA	C [IDIQ]	CECOM, Ft. Monmouth, NJ	Jun-02	Jun-02			Yes		
FY 2003	TELOS Corporation Ashburn, VA	C [IDIQ]	CECOM, Ft. Monmouth, NJ	Jun-03	Jun-03			Yes		
FY 2004	TELOS Corporation Ashburn, VA	C [IDIQ]	CECOM, Ft. Monmouth, NJ	Jun-04	Jun-04			Yes		
FY 2005	TELOS Corporation Ashburn, VA	C [IDIQ]	CECOM, Ft. Monmouth, NJ	Jun-05	Jun-05			Yes		
<b>Block 2 - Engineering and Installation</b>										
FY 2002	Info Sys Engrg Cmd Ft. Huachuca, AZ	MIPR	CECOM, Ft. Huachuca, AZ	Dec-02	Dec-02			Yes		
FY 2003	Info Sys Engrg Cmd Ft. Huachuca, AZ	MIPR	CECOM, Ft. Huachuca, AZ	Dec-03	Dec-03			Yes		
FY 2004	Info Sys Engrg Cmd Ft. Huachuca, AZ	MIPR	CECOM, Ft. Huachuca, AZ	Dec-04	Dec-04			Yes		
FY 2005	Info Sys Engrg Cmd Ft. Huachuca, AZ	MIPR	CECOM, Ft. Huachuca, AZ	Dec-05	Dec-05			Yes		
<b>Block 3 - LMS Software &amp; Installation</b>										
FY 2002	PricewaterhouseCoopers Fairfax, VA	C [IDIQ]	CECOM, Ft. Monmouth, NJ	Jun-02	Jul-02			Yes		
FY 2003	IBM Corporation Alexandria, VA	C [IDIQ]	CECOM, Ft. Monmouth, NJ	Nov-03	Dec-03			Yes		
FY 2004	IBM Corporation Alexandria, VA	C [IDIQ]	CECOM, Ft. Monmouth, NJ	Nov-04	Dec-04			Yes		

REMARKS: REMARKS: \*\*VARIOUS\*\* - DTF configurations vary by component user and installation site requirements. [GSA Region 10-General Services Administration, Region 10, Bremerton, WA FY02/Combat Direction Systems Activity, Dam Neck, Virginia Beach, VA FY03-FY05 Contractors are ACS Systems Engineering, Virginia beach, VA (Block 1 & 2 DTFs and infrastructure implementation); Sprint, Herndon, VA (video teletraining equipment); and The Portable Warehouse, Anaheim, CA (computer workstation hardware).



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

Date:  
February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: THE ARMY DISTANCE LEARNING PROGRAM (TADLP) (BE4173)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2005	IBM Corporation Alexandria, VA	C [IDIQ]	CECOM, Ft. Monmouth, NJ	Nov-05	Dec-05			Yes		

REMARKS: REMARKS: \*\*VARIOUS\*\* - DTF configurations vary by component user and installation site requirements. [GSA Region 10-General Services Administration, Region 10, Bremerton, WA FY02/Combat Direction Systems Activity, Dam Neck, Virginia Beach, VA FY03-FY05 Contractors are ACS Systems Engineering, Virginia beach, VA (Block 1 & 2 DTFs and infrastructure implementation); Sprint, Herndon, VA (video teletraining equipment); and The Portable Warehouse, Anaheim, CA (computer workstation hardware).

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	1709.8	191.6	229.1	330.3	213.1	147.8	214.1	204.8	192.3	199.6		3632.4
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	1709.8	191.6	229.1	330.3	213.1	147.8	214.1	204.8	192.3	199.6		3632.4
Initial Spares												
Total Proc Cost	1709.8	191.6	229.1	330.3	213.1	147.8	214.1	204.8	192.3	199.6		3632.4
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

This budget line 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:**

The current sustaining base automation infrastructure is largely overstressed and reaching technological obsolescence. A stable modernization program is essential to maintain efficiency, increase productivity, and reduce operation and maintenance costs through technological advancement. As the Army modernizes its warfighting forces for the twenty-first century, it must leverage the use of automation technology to streamline and modernize its management information systems to support Command, Control, Communications, Computers, and Intelligence (C4I) for the Warrior and power projection strategies, split base operations, and downsized force structures. The effectiveness of the Continental United States (CONUS) split base operations strategy to perform as the rear area for deployed forces as well as the mobilization, force projection, and redeployment platform is increasingly dependent upon use of state-of-the-art automation technology to provide responsive combat service support to the warfighter in the areas of command and control, logistics, personnel, finance, transportation, medical and other sustaining base functions.

<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 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
. Optical Digital Equipment	A	9194			8390			6632			2681		
. Strategic Logistic Program	A	44802			60785			30521			35046		
. Reserve HQ Automation	A	2494			1656			1068			2338		
. High Performance Computing	A												
. HQ Management Information Systems	A	39030			79888			97491			44239		
. MACOM Automation Systems	A	64667			96216			38006			32220		
. Personnel Automation Systems	A	43577			78867			36187			28168		
. Logistics Automation System	A	3681			2171			3150			3155		
. Joint Computer Aided ACQ & Logistics SPT	A	21664			2340								
<b>Total</b>		<b>229109</b>			<b>330313</b>			<b>213055</b>			<b>147847</b>		

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	45.5	3.2	9.2	8.4	6.6	2.7	3.0	7.8	5.0	4.6		96.1
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	45.5	3.2	9.2	8.4	6.6	2.7	3.0	7.8	5.0	4.6		96.1
Initial Spares												
Total Proc Cost	45.5	3.2	9.2	8.4	6.6	2.7	3.0	7.8	5.0	4.6		96.1
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

This program supports high payoff initiatives to replace obsolete, inefficient records management systems with state-of-the-art optical digital equipment and other electronic recordkeeping systems. This technology will reduce operations and maintenance costs and improve the mission effectiveness and productivity of records managers throughout the Army.

**PERSONNEL ELECTRONIC RECORDS MANAGEMENT SYSTEM (PERMS):** PERMS provides an electronic system for the maintenance, storing, and retrieval of military personnel files at Army Personnel Records Management Centers for active Army, Army National Guard, and Army Reserve. PERMS is the system of record for the Official Military Personnel File (OMPF). It receives and converts paper personnel files to digital images. PERMS provides the platform for selective retrieval of Army military personnel documents by DOD customers, federal agencies (Veterans Administration (VA), Department of Labor (DOL)), and individual soldiers. PERMS documents are critical to the Army Selection and Promotion Board process for both enlisted and officer ranks.

**ARMY RECORDS INFORMATION MANAGEMENT SYSTEM (ARIMS):** This initiative provides consistent access to important record information implied by the Joint Vision 2010's information superiority concept, and a capability to make the superior decisions anticipated by the Joint Vision 2010. ARIMS provides secure long-term storage and retrieval of electronic records and indexes to hard copy records maintained in Army-owned Records Holding Areas and Federal Record Centers. ARIMS provides for the secure research and sharing of information that documents the conduct of the Army's business and operations in accordance with Code of Federal Regulation 36 ensuring economy and efficiency in documenting Army business. Consolidation and centralization in a secure and redundant system provide the opportunity for developing new knowledge from institutional and historical records in either electronic or hard copy form.

**Justification:**

**PERSONNEL ELECTRONIC RECORDS MANAGEMENT SYSTEM (PERMS):** FY04/05 procures hardware and software to complete the Army Selection Board System, to continue the deployment of PERMS Web Services (OMPF Online, Field-to-File, Defense Personnel Records Imaging Retrieval System Interface, ARIMS Interface). The PERMS core restructuring will create a commercial-off-the-shelf, open-architecture environment that links all Army components together under common business practices and will allow us to replace obsolete optical jukeboxes and eliminate expensive computer output microfiche units.

**ARMY RECORDS INFORMATION MANAGEMENT SYSTEM (ARIMS):** FY04/05 procures hardware and software required for integration of secure high density storage and retrieval of the Army's long term electronic records.

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

Date:

February 2003

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:

The funds maximize the benefits achieved by the long-term availability of Army electronic and hard copy records for legal, historical, right and interest, and lawful research. ARIMS provides for secure centralized archiving of Army records thereby reducing expansion of operational systems to accommodate records no longer needed for business but with long-term (six to 150 years) residual value to the Army.

<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 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Personnel Electronic Records Management System (PERMS) Hardware/Software	A	7931			5318			5854			1885		
Army Records Information Management System (ARIMS) Hardware/Software	A	1263			839			778			796		
Personnel Transformation-Army National Guard (ARNG) State PERMS Hardware/Software	A				2233								
<b>Total</b>		<b>9194</b>			<b>8390</b>			<b>6632</b>			<b>2681</b>		

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
. <b>Personnel Electronic Records Management System (PERMS) Hardware/Software</b>										
FY 2002	Northrop Grumman Info Tech McLean, VA	C/FP	GSA-FEDSIM, Alexandria, VA	MAR 02	MAY 02			YES	NO	
FY 2003	TBS	C/FP	GSA-FEDSIM, Alexandria, VA	JAN 03	MAR 03			YES	NO	
FY 2004	TBS	C/FP	GSA-FEDSIM, Alexandria, VA	JAN 04	MAR 04			YES	NO	
FY 2005	TBS	C/FP	GSA-FEDSIM, Alexandria, VA	JAN 05	MAR 05			YES	NO	
. <b>Army Records Information Management System (ARIMS) Hardware/Software</b>										
FY 2002	Intergraph Government Solution Huntsville, AL	C/FP	NAVICP, Mechanicsburg, PA	FEB 02	MAR 02			YES	NO	
FY 2003	TBS	C/FP	NAVICP, Mechanicsburg, PA	MAR 03	MAY 03			YES	NO	
FY 2004	TBS	C/FP	NAVICP, Mechanicsburg, PA	MAR 04	MAY 04			YES	NO	
FY 2005	TBS	C/FP	NAVICP, Mechanicsburg, PA	MAR 05	MAY 05			YES	NO	

REMARKS: All quantities and unit costs vary by configuration and site.  
GSA-FEDSIM - General Services Administration-Federal Systems Integration Management Center  
NAVICP - Navy Inventory Control Point  
VAR - Multiple contracts awarded/delivered throughout the year.

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Personnel Transformation-Army National Guard (ARNG) State PERMS Hardware/Software</b> FY 2003	TBS	C/FP	TBS	VAR	VAR			YES	NO	

REMARKS: All quantities and unit costs vary by configuration and site.  
 GSA-FEDSIM - General Services Administration-Federal Systems Integration Management Center  
 NAVICP - Navy Inventory Control Point  
 VAR - Multiple contracts awarded/delivered throughout the year.



# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature STRATEGIC LOGISTICS PROGRAM (SLP) (BD7000)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
------------------------------------	-------	---------------------------------

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	175.5	27.0	44.8	60.8	30.5	35.0	65.4	66.0	67.0	81.4		653.5
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	175.5	27.0	44.8	60.8	30.5	35.0	65.4	66.0	67.0	81.4		653.5
Initial Spares												
Total Proc Cost	175.5	27.0	44.8	60.8	30.5	35.0	65.4	66.0	67.0	81.4		653.5
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

Budget line supports the Total Distribution Program (TDP), which was developed to correct deficiencies in the distribution of materiel, equipment, personnel replacements, and mail that occurred during Operation Desert Shield/Storm. TDP is directly tied to and has been identified as a key enabler for Combat Support/Combat Service Support (CS/CSS) Transformation and Logistics Readiness. The transformation of Army logistics into a distribution-based system relies on distribution velocity rather than redundant mass to provide support to the warfighter. The program is envisioned to integrate all logistics plans, programs, and issues that support the Force Sustainment Domain of the CS/CSS Transformation. This effort will combine those still relevant lessons learned during Operation Desert Shield/Storm with emerging issues and projects necessary to achieve the envisioned end state of a distribution platform. Critical corrective actions include development and fielding of communications capabilities for logistics, the use of emerging technologies to enhance visibility and materiel accountability, upgrade of critical distribution management systems, fielding and maintenance of the required distribution infrastructure, as well as doctrinal changes in distribution management. The TDP supports "Improving Logistics Support in Combat Zones," the Army Strategic Logistics Plan, and the DOD Logistics Plan. Digital Logistics Communications will apply commercially available, reliable and secure wireless communications in a tactical environment for Army tactical, operational and national logistics levels. This will provide effective application of digital communications using Internet/Intranet for US Army logistics-related wireless capabilities for the global wireless architecture. The Army logistics of the 21st century must be able to transmit and process logistics data within and from the tactical automated systems, through the multi-echelon support activities, to the national materiel and maintenance management level in a real-time wireless, digital environment. This will entail application of current and emerging wireless, digital communications capabilities, focusing primarily on the tactical level supply, ammunition and maintenance business processes and the associated communications architectures within the multiple Army logistics processes. This effort will address other Service and Department of Defense Agencies requirements as they apply to Joint logistics automated and communications systems, policies, and/or tactics, techniques and procedures. The Combat Service Support Automation Information System Interface (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 CCS automation community on the battlefield. CAISI is a key component of the Army's Objective Force and without it Army CSS automation systems, such as GCSS-Army Tactical, AHRS or TC-AIMS II will not have tactical communication connectivity of any kind.

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

Date:

February 2003

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:

In the Homeland Security construct, tactical logistics communications support all mission areas: force protection, crisis management, critical asset protection, and counter terrorism. Critical to situational awareness and force protection are real-time logistics command and control and distribution management capabilities, linked to maneuver operations that provide Total Asset Visibility, actual and projected consumption rates, and positive control from all sources to the end user.

**Justification:**

FY 04/05 funding develops wireless interface/communications capabilities for transmission of logistics information both within and between the theater of operations and the sustaining base. Maneuver commander must have flexibility, maneuverability, and the capability to exploit rapidly changing tactical situations - logistics communications make this possible. Funds will field the necessary hardware upgrades for existing CAISI legacy interface equipment to include an encrypted, wireless interface to CSS users on the battlefield in accordance with the Federal Information Processing Standard (FIPS) mandate, which establishes encryption standards on all wireless communication. Also included are CAISI program management costs. FY04/05 funds further support procurement of Automatic Identification Technology such as Radio Frequency (RF) tags to provide source data automation. RF technology provides rapid and accurate capture, retrieval, and transmission of unit move, supply, and transportation information for equipment and container/pallet contents, providing "inside-the-box" visibility of container contents and a means to track critical materiel throughout the distribution pipeline.

<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 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$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	5470			6540			3917			3912		
. Automatic Identification Technology (AIT) RF Tags/Interrogators/RF Links/Retrievers	A	39332			11450			22304			26034		
. Digital Logistics Communications	A							4300			5100		
. Digitization of DOD Technical Manuals (Congressional Plus up)	A				34000								
. Rock Island Arsenal AIT (Congressional Plus up)	A				2100								
. Automated Records Maintenance Technology (Congressional Plus up)	A				3250								
. AIT Ammunition Prepositioned Stocks (Congressional Plus up)	A				2500								
. Congressional FY03 Plus up allocated to other (BE4161) program	A				945								
. Quantities and unit costs vary by configuration for all programs													
<b>Total</b>		<b>44802</b>			<b>60785</b>			<b>30521</b>			<b>35046</b>		

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Combat Service Support Automation Information System Interface (CAISI) Hardware/Software, Fielding, Integration</b>										
FY 2002	Superlative Technologies McLean, VA	C/FP	PEO-EIS, Ft. Belvoir, VA	APR 02	VAR			YES	NO	
FY 2003	TBS	C/FP	TBS	VAR	VAR			YES	NO	
FY 2004	TBS	C/FP	TBS	VAR	VAR			YES	NO	
FY 2005	TBS	C/FP	TBS	VAR	VAR			YES	NO	
<b>Automatic Identification Technology</b>										
FY 2002	SAVI Technology Sunnyvale, CA	C/FP	PEO-EIS, Ft Belvoir, VA	MAR 02	VAR			YES	NO	
FY 2002	Unisys Corporation McLean, VA	C/FP	DISA, Scott AFB, IL	APR 02	VAR			YES	NO	
FY 2002	Symbol Technologies Holtsville, NY	C/FP	DCCW, Washington, DC	APR 02	VAR			YES	NO	
FY 2002	Sun Microsystem Federal, Inc. McLean, VA	C/FP	DCCW, Washington, DC	APR 02	VAR			YES	NO	
FY 2002	SAIC Columbus, OH	C/FP	DLA, Ft Belvoir, VA	APR 02	VAR			YES	NO	
FY 2002	Federal Data Corporation Greenbelt, MD	C/FP	DCCW, Washington, DC	APR 02	VAR			YES	NO	

REMARKS: All quantities and unit costs vary by configuration.  
 PEO-EIS - US Army Program Executive Office-Enterprise Information Systems  
 DISA - Defense Information Systems Agency  
 DCCW - Defense Contracting Command Washington  
 DLA - Defense Logistics Agency  
 FISC - Fleet Industrial Supply Center-Norfolk Detachment  
 GSA - General Services Administration  
 SAIC - Science Applications International Corporation  
 VAR - Multiple contracts awarded/delivered throughout the year.

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2002	CACI, Inc.- Federal Chantilly, VA	C/FP	DCCW, Washington, DC	APR 02	VAR			YES	NO	
FY 2002	ISI Cherry Hill, NJ	C/FP	FISC, Philadelphia, PA	APR 02	VAR			YES	NO	
FY 2002	Logistics Management Institute McLean, VA	C/FP	DCCW, Washington, DC	FEB 02	VAR			YES	NO	
FY 2002	Borland Inprise Scotts Valley, CA	C/FP	DCCW, Washington, DC	SEP 02	VAR			YES	NO	
FY 2002	Northrup Grumman Herndon, VA	C/FP	DLA, Ft Belvoir, VA	SEP 02	VAR			YES	NO	
FY 2002	OSEC Oceanside, CA	C/FP	GSA, Ft. Belvoir, VA	SEP 02	VAR			YES	NO	
FY 2002	QUALCOMM San Diego, CA	C/FP	DCCW, Washington, DC	SEP 02	VAR			YES	NO	
FY 2003	SAVI Technology Sunnyvale, CA	C/FP	PEO-EIS, Ft. Belvoir, VA	VAR	VAR			YES	NO	
FY 2003	TBS	C/FP	TBS	VAR	VAR			YES	NO	
FY 2004	TBS	C/FP	TBS	VAR	VAR			YES	NO	
FY 2005	TBS	C/FP	TBS	VAR	VAR			YES	NO	
<b>Digital Logistics Communications</b>										
FY 2004	TBS	C/FP	TBS	VAR	VAR			YES	NO	
FY 2005	TBS	C/FP	TBS	VAR	VAR			YES	NO	

REMARKS: All quantities and unit costs vary by configuration.  
 PEO-EIS - US Army Program Executive Office-Enterprise Information Systems  
 DISA - Defense Information Systems Agency  
 DCCW - Defense Contracting Command Washington  
 DLA - Defense Logistics Agency  
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# Exhibit P-5a, Budget Procurement History and Planning

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
. <b>Digitization of DOD Technical Manuals</b> <b>(Congressional Plus up)</b> FY 2003	TBS	C/FP	TBS	VAR	VAR			YES	NO	
. <b>Rock Island Arsenal AIT</b> <b>(Congressional Plus up)</b> FY 2003	TBS	C/FP	TBS	VAR	VAR			YES	NO	
. <b>Automated Records Maintenance</b> <b>Technology (Congressional Plus up)</b> FY 2003	TBS	C/FP	TBS	VAR	VAR			YES	NO	
. <b>AIT Ammunition Prepositioned Stocks</b> <b>(Congressional Plus up)</b>										

REMARKS: All quantities and unit costs vary by configuration.  
 PEO-EIS - US Army Program Executive Office-Enterprise Information Systems  
 DISA - Defense Information Systems Agency  
 DCCW - Defense Contracting Command Washington  
 DLA - Defense Logistics Agency  
 FISC - Fleet Industrial Supply Center-Norfolk Detachment  
 GSA - General Services Administration  
 SAIC - Science Applications International Corporation  
 VAR - Multiple contracts awarded/delivered throughout the year.

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2003 .	TBS	C/FP	TBS	VAR	VAR			YES	NO	

REMARKS: All quantities and unit costs vary by configuration.  
 PEO-EIS - US Army Program Executive Office-Enterprise Information Systems  
 DISA - Defense Information Systems Agency  
 DCCW - Defense Contracting Command Washington  
 DLA - Defense Logistics Agency  
 FISC - Fleet Industrial Supply Center-Norfolk Detachment  
 GSA - General Services Administration  
 SAIC - Science Applications International Corporation  
 VAR - Multiple contracts awarded/delivered throughout the year.

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature RESERVE HQ AUTOMATION (BE4000)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	18.1	1.7	2.5	1.7	1.1	2.3	2.4	2.4	2.5	2.5		37.2
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	18.1	1.7	2.5	1.7	1.1	2.3	2.4	2.4	2.5	2.5		37.2
Initial Spares												
Total Proc Cost	18.1	1.7	2.5	1.7	1.1	2.3	2.4	2.4	2.5	2.5		37.2
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

US ARMY RESERVE PERSONNEL COMMAND (AR-PERSCOM) AUTOMATION. This program provides automation support for U.S. Army Reserve Personnel Command (AR-PERSCOM) mission by providing the highest quality life-cycle personnel management (cradle to grave) and services resulting in a trained and ready force in support of the National Military Strategy and the US Army Reserve Strategic Plan. AR-PERSCOM commands and controls the Active Guard Reserve (AGR), Individual Mobilization Augmentee (IMA) and Individual Ready Reserve (IRR) soldiers; manages U.S. Army Reserve (USAR) Selected Reserve end strength; and manages Reservists retirement transition, retirement pay processing, and veterans' affairs. AR-PERSCOM also develops and sustains USAR personnel through officer and enlisted professional development education, Military Occupational Specialty (MOS) qualification, evaluations, and promotions; and supports Commander-in-Chief (CINC)/Major Command (MACOM) requirements for exercises, site/mission support, intelligence and counterdrug demand reduction. AR-PERSCOM is also partnering with the National Guard Bureau (NGB) and US Total Army Personnel Command (PERSCOM) to transform the Army Personnel Community into a network-centric, knowledge-based force with the intent to improve the decision dominance of our war fighters and business stewards. This effort is an integral part of Army Transformation.

**Justification:**

FY04/05 procures the base infrastructure hardware, software, and communications to to allow AR-PERSCOM to achieve the Army Personnel Transformation and Army Knowledge Management goals of integrating knowledge concepts and best business practices to improve performance, while supporting self-service, Well-Being and logical migration to the Defense Integrated Military Human Resources System (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 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCo st	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
US Army Reserve Personnel Command (AR-PERSCOM) Automation (Servers, Local Area Networks, Software, Storage Devices, and Internet/Intranet)	A	2494			1656			1068			2338		
<b>Total</b>		<b>2494</b>			<b>1656</b>			<b>1068</b>			<b>2338</b>		

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>US Army Reserve Personnel Command (AR-PERSCOM) Automation (Servers, Local Area Networks, Software, Storage Devices, and Internet/Intranet)</b> FY 2002  FY 2003 FY 2004 FY 2005	Northrop Grumman St. Louis, MO	C/FP	GSA, Kansas City, MO	AUG 02	OCT 02			YES	NO	
	TBS	C/FP	GSA, Kansas City, MO	MAR 03	APR 03			YES	NO	
	TBS	C/FP	GSA, Kansas City, MO	MAR 04	APR 04			YES	NO	
	TBS	C/FP	GSA, Kansas City, MO	MAR 05	APR 05			YES	NO	

REMARKS: All quantities and unit cost vary by configuration and site.  
GSA - General Services Administration

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature HIGH PERFORMANCE COMPUTING (BE4152)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	92.4	0.4										92.8
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	92.4	0.4										92.8
Initial Spares												
Total Proc Cost	92.4	0.4										92.8
Flyaway U/C												
Wpn Sys 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. Funding is provided in RDT&E appropriation beginning in FY02.

<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 PERFORMANCE COMPUTING (BE4152)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>Total</b>													

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
.										

REMARKS:

# Exhibit P-40, Budget Item Justification Sheet

Date:

February 2003

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 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	133.8	11.4	39.0	79.9	97.5	44.2	71.1	51.3	29.5	30.0		587.6
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	133.8	11.4	39.0	79.9	97.5	44.2	71.1	51.3	29.5	30.0		587.6
Initial Spares												
Total Proc Cost	133.8	11.4	39.0	79.9	97.5	44.2	71.1	51.3	29.5	30.0		587.6
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

Provides funds for information systems that support Army headquarters worldwide. These requirements conform to the Army Enterprise Architecture.

The Strategic C-2 Facilities (the Command Center Infostructure and the Command and Control (C2) Infostructure) systems support the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

HEADQUARTERS, DEPARTMENT OF THE ARMY AUTOMATED DATA PROCESSING EQUIPMENT (HQDA ADPE): This program funding provides 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 DOD Information Technology (IT) initiatives. FY 04/05 procures hardware and software to expand and upgrade applications that support efficient operation of HQDA to include the HQDA Tracking System. This provides a flexible, integrated, automated system to support the control and management of Executive correspondence, internal actions, and file documentation. Further, it will streamline the flow process of actions within HQDA, reduce the amount of data re-entry and duplication of information, promote data sharing, and provide immediate access to information. FY 04/05 funding will also procure application support and data protection upgrades to include a Storage Area Network (SAN), or technically similar information technology mass data storage solution, which is capable of replicating required automation files, electronic records and electronic mail at the primary HQDA classified relocation facility. Secondary goals include improvement of functionality, security, survivability, and availability.

ARMY MODEL IMPROVEMENT PROGRAM (AMIP): AMIP is designed to improve the Army's analytic capability by providing a consistent basis to support decision making affecting force structure, doctrine, and procurement. AMIP directly supports Principle 10, Exploit Modeling and Simulations, of the Army Enterprise Strategy. By using state-of-the-art hardware and new software technology, AMIP will develop an integrated family of computerized combined arms combat models with supporting databases. These models will support studies, research, training and materiel acquisition. Component models will be interfaced and tested for validity and consistency of representations and results. The FY04/05 funds procure state-of-the-art computer simulation software, computer automation and graphics equipment. The equipment will be used by numerous analysis agencies, Major Commands (MACOMs), and national laboratories to develop more efficient, cost effective, realistic scenarios and real-time simulations of complex combat and associated processes for analysis of data.

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

Date:

February 2003

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:

The achievement of these goals will provide readily understood, valid, and more responsive input into the decision making process affecting weapons procurement, force development, force deployment, tactics, and sustainment and will enhance the overall warfighting capability of the Army. The funds will also provide for the upgrading of existing simulations/support equipment and software.

**HOUSING OPERATIONS MANAGEMENT SYSTEM (HOMES):** HOMES is a Standard Army Management Information System (STAMIS) designed to provide efficient processing of soldiers' housing needs. It consists of a system with integrated functions that provides service members housing in on-post government quarters, off-post community quarters, and Unaccompanied Personnel Housing (UPH) in barracks and permanent party quarters. It also provides an inventory management function to manage Army-owned household furniture and appliances. HOMES increases availability of housing services; helps monitor and manage housing utilization, control and manage housing inventory, and monitor issuing of Basic Allowance for Housing (BAH); and permits upward reporting. It is identified as a critical element of the Army Family Action Plan to improve the level of housing services to soldiers and families. Software is being developed to enhance capabilities and convenience to service members in acquiring housing. HOMES is centrally developed and managed. It is installed at 103 installations worldwide including Continental United States (CONUS), Alaska, Puerto Rico, United Kingdom, Europe, Korea, Japan. FY 04/05 procures computer and peripheral equipment including (1) servers for technical maintenance, replacement of low end servers, (2) smart card readers for technical support and installations, (3) laser printers for large scale faster printing at housing installation offices, (4) workstations for increased users and replacements in the field, (5) scanners for field users to scan interior/exterior views of housing and surrounding areas into their computers, (6) communications equipment components for the systems technical support team, and (7) related and required software. Since initial fielding of HOMES, Army Installation Housing Offices have become dependent on the system to fulfill their mission. The management of Army housing inventory and its military occupants is too large an activity to be managed without an automated information system. Equipment failure effectively closes a housing office operation. The HOMES Project Plan has been expanded to accommodate re-engineering of the system functionality into a centralized web application that will support changes in housing business practices as well as the congressional mandate for government housing to be managed by the private sector (privatization). Hardware, software, and infrastructure components will be purchased to support development and production of this centralized web system.

**PENTAGON INFORMATION TECHNOLOGY (IT) INFRASTRUCTURE:** This program supports two separate Army-Pentagon infrastructure requirements. Common Information Technology (IT) infrastructure supports the Pentagon Renovation through life cycle replacement of Army systems/networks to ensure interoperability, supportability, and enable rapid response to network outages. Other IT infrastructure supports the U.S. Army Information Technology Agency (formerly Network Infrastructure Services Agency (NISA)) Data Center and the Pentagon Telecommunications Services Center (PTSC) through replacement of equipment that has been extended beyond, or is at the end of, its life cycle. The Data Center provides mission critical Automated Data Processing (ADP) platform and software application support for the Logistics Force Planning, Training, Budget Formulation, and Medical Operations Management missions of Headquarters, Department of the Army (HQDA), Air Force Secretariat, and the Office of the Secretary of Defense (OSD). The PTSC is a congressionally mandated function, for which Army is the Executive Agent. The PTSC, as mandated by the U.S. Congress, provides Defense Messaging System (DMS) Services and Information Technology Infrastructure that supports Command and Control (C2) and individual messaging (E-Mail) for the Pentagon, National Capitol Region, and a global customer base from Unclassified to Top Secret. PTSC has been assigned additional mission responsibility to support AUTODIN legacy interface for non-DOD and allied communities. Common IT: FY04/05 procures life-cycle replacement of infrastructure IT acquired and installed by the Pentagon Renovation program, to include network routers, C2 voice switches, matrix switches (red/black), firewalls and hubs, modems and multiplexers, security software, intrusion detection systems, access control technology, and electrical power systems. Other IT: FY04/05 procures hardware/software for Data Center life-cycle replacement of computing platforms, communications controllers, and storage management devices. FY04/05 also procures PTSC hardware/software for insertion of DMS capability and on-going support for AUTODIN. Insertion of DMS equipment is critical for compliance with DMS infrastructure and maturity initiatives.

**COMMAND CENTER INFOSTRUCTURE.** Command Centers must conduct the full spectrum of military operations in concert with coalition forces.

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

Date:

February 2003

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:

This program procures Command, Control, Communications, Computers, and Intelligence Technology (C4IT) and 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 a crisis such as prosecution of war. It supports the command and control functions in Combatant Commander roles to maintain ready forces to conduct the full spectrum of military operations 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, software, hardware and communications components. Specific Army command centers include the Army Operations Center (AOC), the European Command (EUCOM) Command Center, the US Forces Korea Command Center, Southern command (SOUTHCOM), and the Alternate Joint Command Center - Site R. FY04/05 procures hardware, software, fielding and program management. The program supports the National Security Strategy and the National Military Strategy; Army Transformation initiative; and Joint Vision 2010 initiatives. It upgrades outmoded and deficient visual display, audiovisual connectivity and information technology infrastructure. All are critical to efficiently and effectively support command and control center operations that are currently deficient. Funding includes program management costs. FY04 funds will also support the DoD Continuity of Operations Plan (COOP) Integrated Network (DCIN) in the event of a catastrophic occurrence. DoD users will include OSD, Joint Staff, and other military services. Remote sites are located throughout CONUS. FY04 funds procure hardware and software to support the IT infrastructure.

COMMAND AND CONTROL (C2) INFOSTRUCTURE. This program procures the Command, Control, Communications, Computers, and Intelligence Technology (C4IT) infostructure at Army and Army supported Combatant Commander sites. It provides for command and control (C2) infostructure capabilities that support C2 functionality to the Combatant Commander, Army commanders and staffs throughout a Combatant Commander's area of responsibility. The program provides classified computer and communications infrastructure to allow for planning, mobilizing, and execution of Combatant Commander and Army plans and orders. The program allows for the incorporation of information technology to ensure a more mobile, lethal, survivable and responsive force and enables secure interconnectivity with Combatant Commander's command centers. Specific Combatant Commanders supported include the European Command (EUCOM), the US Forces Korea (USFK), the Southern Command (SOUTHCOM), the Joint Special Operations Command, and the US Army Special Operations Command. FY 04/05 procures critical infostructure components for the Global Command and Control System (GCCS), the Global Combat Support System (GCSS), Warfighting Infostructure, Information Assurance (IA), and classified LANs. These components will improve reliability; broaden and enhance systems management capabilities; bolster security; and maintain compatibility and integration with command and control, other application systems, and other infrastructure. Procurements will focus on LAN expansion, bridges, hubs, routers, and as technology permits, implementation of Secret and Below Interoperability (SABI); increased critical component redundancy; and enhanced systems security and security monitoring. Funding includes program management costs.

LEGAL AUTOMATION ARMY-WIDE SYSTEM (LAAWS). LAAWS, the Army JAGC's automated legal information sharing system, is an approved Standard Army Management Information System (STAMIS) for all Army law offices and legal personnel. It provides critical legal resources and mission support for all garrison and deployed legal operations, all active and reserve legal personnel, and for all phases of mission planning and execution. LAAWS consists of a host of web-enabled legal databases, information, and legal applications (military justice, claims, administrative law, litigation, etc) on JAGCNet (the Army JAGC Internet legal portal), and provides legal research capabilities in support of the full range of functional legal areas. LAAWS also provides legal research and library resources, such as CD/DVD resources to support offline and stand-alone legal support requirements using the Rucksack Deployable Law Office and Library (RDL) or the Judge Advocate Warfighting system (JAWS) when Internet-connected to JAGCNet. LAAWS is deployed and accessible world-wide through JAGCNet. JAWS is the RDL when Internet-connected to JAGCNet. The JAWS is the Rucksack Deployable Law Office and Library (RDL), which includes equipment such as a laptop, CD/DVD, printer/scanner/fax, digital camera, associated connectivity, CD ROM library references, and Internet connection to JAGCNet. LAAWS-JAWS is the single Army JAGC legal system that provides critical resources deployed legal personnel use to advise commanders/activities on statutory and regulatory requirements.



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

Date:

February 2003

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:

Specific examples include operational and international law support to operations to ensure lawful targeting, ensure compliance with the Law of War, negotiate and prepare international agreements and treaties, and conduct legal tribunals, the processing of claims actions, and preparation of documents, such as wills and powers of attorney, for soldiers. LAAWS supports automated legal research, the processing and management of claims for/against the Army and the electronic distribution of legal materials. FY04/05 procures hardware and software required to ensure that the LAAWS-JAGCNet backbone (servers, network card, switches, workstations, media) remains capable of supporting Army legal operations, and RDLs/JAWS (hardware and software) to ensure legal personnel have the required platforms to support the Army and the deployed legal mission requirements. Finally, LAAWS supports both Army's restricted access (classified, and unclassified) web-based information system for judge advocates worldwide.

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: HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)			Weapon System Type:			Date: February 2003		
OPA2 Cost Elements	ID CD	FY 02			FY 03			FY 04			FY 05		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Headquarters, Department of the Army Automated Data Processing Equipment (HQDA ADPE) HQDA Tracking System Storage Area Network (SAN) Concepts Analysis Agency Automated Data Processing Modernization	A	3894			6251			6346			6374		
Army Model Improvement Program (AMIP) Hardware and Software	A	933			501			245			245		
Housing Operations Management System (HOMES) Hardware and Software	A	676			452			463			471		
Pentagon Information Technology (IT) Infrastructure													
-Common IT (Renovation)	A	4282			16757			19995			18773		
-Other IT	A	2177			1829								
Command Center Infostructure Hardware, Software, Fielding and Program Management													
-Army Operations Center	A	920			945			728			733		
-European Command	A	2657			2400			3266			2406		
-Alternate Joint Command Center Site-R	A	5921			1685			1457			1097		
-US Forces Korea	A	365						1621			1875		
-DoD COOP Integrated Network	A							47601					
Command and Control (C2) Infostructure Hardware, Software, Fielding and Program Management													
-European Command	A	543			338			399			401		
-US Forces Korea	A	1231			4106			12113			6995		
-Southern Command	A	106			106			150			170		
-Joint Special Operations Command	A							460			1097		
-US Army Special Operations Command	A							689			1646		
Legal Automation Army-Wide System	A				1925			1958			1956		

<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 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
(LAAWS)													
. Environmental Reporting Infostructure	A				578								
. DoD COOP Integrated Network	A	15325			42015								
<b>Total</b>		<b>39030</b>			<b>79888</b>			<b>97491</b>			<b>44239</b>		

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<p>•</p> <p><b>Headquarters, Department of the Army</b></p> <p><b>Automated Data Processing Equipment (HQDA ADPE)</b></p> <p><b>HQDA Tracking System</b></p>										
FY 2002	Compaq Fedservice Greenbelt, MD	C/FP	DSSW, Arlington, VA	VAR	VAR			YES	NO	
FY 2002	CANNON USA Inc. Arlington, VA	C/FP	DSSW, Arlington, VA	APR 02	VAR			YES	NO	
FY 2002	GTSI Chantilly, VA	C/FP	DSSW, Arlington, VA	VAR	VAR			YES	NO	
FY 2003	TBS	C/FP	DSSW, Arlington, VA	VAR	VAR			YES	NO	
FY 2004	TBS	C/FP	DSSW, Arlington, VA	VAR	VAR			YES	NO	
FY 2005	TBS	C/FP	DSSW, Arlington, VA	VAR	VAR			YES	NO	
<p>•</p> <p><b>Army Model Improvement Program (AMIP)</b></p> <p><b>Hardware and Software</b></p>										
FY 2002	D&S Consultants, Inc Farmingdale, NJ	C/FP	TAC, Ft. Leavenworth, KS	JUN 02	JUN 02			YES	NO	

REMARKS: All quantities and unit costs vary by configuration.  
 ALC - Air Logistics Center; AMSO - Army Model and Simulation Office; APG - Aberdeen Proving Ground; CECOM - Communications and Electronics Command; CAC-W - CECOM Acquisition Center-Washington; DCCW - Defense Contracting Command Washington; DOI - Department of Interior; DSSW - Defense Supply Service-Washington; GSA - General Services Administration; IMCEN - Information Management Support Center; ISEC - Information Systems Engineering Command; PENREN - Pentagon Renovation Office, DoD; PM, IM&T - Program Manager, Information Management and Telecommunications-Pentagon Renovation; TAC - Training and Doctrine Command (TRADOC) Acquisition Center; USAMRAA - US Army Medical Research Acquisition Activity; VAR - Multiple contracts awarded/delivered throughout the year.

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2002	E-OIR Measurement, Inc Spotsylvania, VA	C/FP	CECOM, Ft. Monmouth, NJ	JUN 02	NOV 02			YES	NO	
FY 2002	Army Engineer R&D Center Vicksburg, MS	MIPR	AMSO, Arlington, VA	APR 02	APR 02			YES	NO	
FY 2003	TBS	C/FP	DSSW, Arlington, VA	VAR	VAR			YES	NO	
FY 2004	TBS	C/FP	DSSW, Arlington, VA	VAR	VAR			YES	NO	
FY 2005	TBS	C/FP	DSSW, Arlington, VA	VAR	VAR			YES	NO	
<b>Housing Operations Management System (HOMES)</b>										
<b>Hardware and Software</b>										
FY 2002	DELL Marketing LP Round Rock, TX	C/FP	CAC-W, Alexandria, VA	AUG 02	SEP 02			YES	NO	
FY 2002	Mythics, Inc Virginia Beach, VA	C/FP	CAC-W, Alexandria, VA	AUG 02	SEP 02			YES	NO	
FY 2002	Videla International Corp Bethesda, MD	C/FP	CAC-W, Alexandria, VA	Aug 02	SEP 02			YES	NO	
FY 2003	TBS	C/FP	CAC-W, Alexandria, VA	VAR	VAR			YES	NO	
FY 2004	TBS	C/FP	CAC-W, Alexandria, VA	VAR	VAR			YES	NO	
FY 2005	TBS	C/FP	CAC-W, Alexandria, VA	VAR	VAR			YES	NO	

REMARKS: All quantities and unit costs vary by configuration.  
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# Exhibit P-5a, Budget Procurement History and Planning

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
.										
<b>Pentagon Information Technology (IT)</b>										
<b>Infrastructure</b>										
<b>-Common IT (Renovation)</b>										
FY 2002	Technica Corporation Dulles, VA	C/FP	DCCW, Arlington, VA	VAR	VAR			YES	NO	
FY 2003	TBS	C/FP	DCCW, Arlington, VA	VAR	VAR			YES	NO	
FY 2004	TBS	C/FP	DCCW, Arlington, VA	VAR	VAR			YES	NO	
FY 2005	TBS	C/FP	DCCW, Arlington, VA	VAR	VAR			YES	NO	
<b>-Other IT</b>										
FY 2002	IBM Corp. Bethesda, MD	C/FP	DCCW, Arlington, VA	VAR	VAR			YES	NO	
FY 2002	CEW Inc. Com Arvada, CO	C/FP	DOI, Herndon, VA	JUN 02	JUN 02			YES	NO	
FY 2002	Xerox Corp Los Angeles, CA	C/FP	DOI, Herndon, VA	MAR 02	MAR 02			YES	NO	
FY 2002	Visara International Raleigh, NC	C/FP	DOI, Herndon, VA	AUG 02	AUG 02			YES	NO	
FY 2003	TBS	C/FP	DOI, Herndon, VA	VAR	VAR			YES	NO	
.										

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Command Center Infostructure</b>										
<b>Hardware, Software, Fielding and Program Management</b>										
<b>-Army Operations Center</b>										
FY 2002	DELL Marketing LP Round Rock, TX	C/FP	DCC-W, Washington DC	VAR	VAR			YES	NO	
FY 2002	Northrop Grumman Greenbelt, MD	C/FP	DCC-W, Washington DC	VAR	VAR			YES	NO	
FY 2002	GTSI Chantilly, VA	C/FP	DCC-W, Washington DC	VAR	VAR			YES	NO	
FY 2002	CDW Government, Inc Vernon Hills, IL	C/FP	DCC-W, Washington DC	VAR	VAR			YES	NO	
FY 2003	TBS	C/FP	DCC-W, Washington DC	VAR	VAR			YES	NO	
FY 2004	TBS	C/FP	DCC-W, Washington DC	VAR	VAR			YES	NO	
FY 2005	TBS	C/FP	DCC-W, Washington DC	VAR	VAR			YES	NO	
<b>-European Command</b>										
FY 2002	Dyncorp Reston, VA	C/FP	GSA, Alexandria, VA	AUG 02	VAR			YES	NO	
FY 2002	Computer Sciences Corporation Reston, VA	C/FP	GSA, Alexandria, VA	AUG 02	VAR			YES	NO	
FY 2003	TBS	C/FP	TBS	VAR	VAR			YES	NO	

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2004	TBS	C/FP	TBS	VAR	VAR			YES	NO	
FY 2005	TBS	C/FP	TBS	VAR	VAR			YES	NO	
<b>-Alternate Joint Command Center Site-R</b>										
FY 2002	SRA International Arlington, VA	F/FP	CECOM, Ft. Monmouth, NJ	APR 02	MAY 02			YES	NO	
FY 2002	Corporate Express Greenbelt, MD	F/FP	GSA, Arlington, VA	MAY 02	JUL 02			YES	NO	
FY 2002	DELL Marketing LP Round Rock, TX	F/FP	GSA, Washington, DC	JUN 02	JUL 02			YES	NO	
FY 2002	ISEC Ft. Huachuca, AZ	MIPR	PM, IM&T, Arlington, VA	APR 02	APR 02			YES	NO	
FY 2002	ISEC Ft. Detrick, MD	MIPR	PM, IM&T, Arlington, VA	JUN 02	JUN 02			YES	NO	
FY 2002	ISEC Arlington, VA	MIPR	PM, IM&T, Arlington, VA	JAN 02	JAN 02			YES	NO	
FY 2002	Schildt Construction Company Frederick, MD	C/FP	USAMRAA, Ft. Detrick MD	VAR	VAR			YES	NO	
FY 2002	SMS Data Products Group Inc. McLean, VA	C/FP	CECOM, Ft. Huachuca, AZ	APR 02	APR 02			YES	NO	
FY 2002	Raytheon Corp. St. Petersburg, FL	C/FP	Odgen ALC, Hill AFB, UT	AUG 02	AUG 02			YES	NO	
FY 2003	TBS	C/FP	TBS	VAR	VAR			YES	NO	
FY 2004	TBS	C/FP	TBS	VAR	VAR			YES	NO	
FY 2005	TBS	C/FP	TBS	VAR	VAR			YES	NO	

REMARKS: All quantities and unit costs vary by configuration.  
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Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>-US Forces Korea</b>										
FY 2002	Pixel Lafayette, CA	C/FP	CECOM, Ft. Monmouth, NJ	VAR	SEP 02			YES	NO	
FY 2002	Computer Systems Technology Huntsville, AL	C/FP	GSA, Kansas City, MO	VAR	JUL 02			YES	NO	
FY 2003	TBS	C/FP	TBS	VAR	VAR			YES	NO	
FY 2004	TBS	C/FP	TBS	VAR	VAR			YES	NO	
FY 2005	TBS	C/FP	TBS	VAR	VAR			YES	NO	
<b>-DoD COOP Integrated Network</b>										
FY 2004	TBS	C/FP	TBS	VAR	VAR			YES	NO	
<b>Command and Control (C2) Infostructure Hardware, Software, Fielding and Program Management</b>										
<b>-European Command</b>										
FY 2002	Computer Sciences Corporation Reston, VA	C/FP	GSA, Alexandria, VA	MAY 02	VAR			YES	NO	
FY 2003	TBS	C/FP	TBS	VAR	VAR			YES	NO	

REMARKS: All quantities and unit costs vary by configuration.  
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 DCCW - Defense Contracting Command Washington; DOI - Department of Interior; DSSW - Defense Supply Service-Washington; GSA - General Services Administration; IMCEN - Information Management Support Center; ISEC - Information Systems Engineering Command; PENREN - Pentagon Renovation Office, DoD; PM, IM&T - Program Manager, Information Management and Telecommunications-Pentagon Renovation;  
 TAC - Training and Doctrine Command (TRADOC) Acquisition Center; USAMRAA - US Army Medical Research Acquisition Activity; VAR - Multiple contracts awarded/delivered throughout the year.

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2004	TBS	C/FP	TBS	VAR	VAR			YES	NO	
FY 2005	TBS	C/FP	TBS	VAR	VAR			YES	NO	
<b>-US Forces Korea</b>										
FY 2002	Information Systems Spt, Inc. Bethesda, MD	C/FP	GSA Region 9, Korea	VAR	VAR			YES	NO	
FY 2003	TBS	C/FP	TBS	VAR	VAR			YES	NO	
FY 2004	TBS	C/FP	TBS	VAR	VAR			YES	NO	
FY 2005	TBS	C/FP	TBS	VAR	VAR			YES	NO	
<b>-Southern Command</b>										
FY 2002	GTSI Chantilly, VA	C/FP	CECOM, Ft. Monmouth, NJ	JUL 02	SEP 02			YES	NO	
FY 2002	DELL Marketing LP Round Rock, TX	C/FP	CECOM, Ft. Monmouth, NJ	AUG 02	SEP 02			YES	NO	
FY 2002	Karcher Chantilly, VA	C/FP	CECOM, Ft. Monmouth, NJ	AUG 02	SEP 02			YES	NO	
FY 2002	Compaq Fedservice Greenbelt, MD	C/FP	CECOM, Ft. Monmouth, NJ	JUL 02	OCT 02			YES	NO	
FY 2003	TBS	C/FP	TBS	VAR	VAR			YES	NO	
FY 2004	TBS	C/FP	TBS	VAR	VAR			YES	NO	
FY 2005	TBS	C/FP	TBS	VAR	VAR			YES	NO	

REMARKS: All quantities and unit costs vary by configuration.  
 ALC - Air Logistics Center; AMSO - Army Model and Simulation Office; APG - Aberdeen Proving Ground; CECOM - Communications and Electronics Command; CAC-W - CECOM Acquisition Center-Washington; DCCW - Defense Contracting Command Washington; DOI - Department of Interior; DSSW - Defense Supply Service-Washington; GSA - General Services Administration; IMCEN - Information Management Support Center; ISEC - Information Systems Engineering Command; PENREN - Pentagon Renovation Office, DoD; PM, IM&T - Program Manager, Information Management and Telecommunications-Pentagon Renovation; TAC - Training and Doctrine Command (TRADOC) Acquisition Center; USAMRAA - US Army Medical Research Acquisition Activity; VAR - Multiple contracts awarded/delivered throughout the year.

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February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>-Joint Special Operations Command</b>										
FY 2004	TBS	C/FP	TBS	VAR	VAR			YES	NO	
FY 2005	TBS	C/FP	TBS	VAR	VAR			YES	NO	
<b>-US Army Special Operations Command</b>										
FY 2004	TBS	C/FP	TBS	VAR	VAR			YES	NO	
FY 2005	TBS	C/FP	TBS	VAR	VAR			YES	NO	
.										
<b>Legal Automation Army-Wide System (LAAWS)</b>										
FY 2003	TBS	C/FP	TBS	VAR	VAR			YES	NO	
FY 2004	TBS	C/FP	TBS	VAR	VAR			YES	NO	
FY 2005	TBS	C/FP	TBS	VAR	VAR			YES	NO	
.										
<b>Environmental Reporting Infostructure</b>										
FY 2003	TBS	C/FP	Robert Morris Acq Ctr, APG, MD	VAR	VAR			YES	NO	

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February 2003

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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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>DoD COOP Integrated Network</b>										
FY 2002	Force 3 Crofton, MD	C/FP	PENREN, Arlington, VA	JAN 03	JAN 03			YES	NO	
FY 2002	Northrop Grumman Greenbelt, MD	C/FP	PENREN, Arlington, VA	JAN 03	JAN 03			YES	NO	
FY 2002	Govworks, DOI Herndon, VA	MIPR	IMCEN, Arlington, VA	JAN 03	VAR			YES	NO	
FY 2002	Hewlett Packard Gettysburg, PA	C/FP	PENREN, Arlington, VA	JAN 03	JAN 03			YES	NO	
FY 2002	TKC Communications Anchorage, AL	C/FP	DOI, Herndon, VA	SEP 02	VAR			YES	NO	
FY 2003	TBS	C/FP	TBS	VAR	VAR			YES	NO	

REMARKS: All quantities and unit costs vary by configuration.  
 ALC - Air Logistics Center; AMSO - Army Model and Simulation Office; APG - Aberdeen Proving Ground; CECOM - Communications and Electronics Command; CAC-W - CECOM Acquisition Center-Washington; DCCW - Defense Contracting Command Washington; DOI - Department of Interior; DSSW - Defense Supply Service-Washington; GSA - General Services Administration; IMCEN - Information Management Support Center; ISEC - Information Systems Engineering Command; PENREN - Pentagon Renovation Office, DoD; PM, IM&T - Program Manager, Information Management and Telecommunications-Pentagon Renovation; TAC - Training and Doctrine Command (TRADOC) Acquisition Center; USAMRAA - US Army Medical Research Acquisition Activity; VAR - Multiple contracts awarded/delivered throughout the year.

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	249.4	42.2	64.7	96.2	38.0	32.2	35.8	38.3	39.9	40.6		677.3
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	249.4	42.2	64.7	96.2	38.0	32.2	35.8	38.3	39.9	40.6		677.3
Initial Spares												
Total Proc Cost	249.4	42.2	64.7	96.2	38.0	32.2	35.8	38.3	39.9	40.6		677.3
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

Funds support automation system requirements of Major Army Commands (MACOMs) and activities not included in other centrally managed programs. These requirements conform to the Army Knowledge Enterprise Architecture (AKEA). Funding has been programmed to accomplish high priority, high payoff initiatives that offer efficiencies and improvements in mission support and reduce operations and maintenance costs. Acquisitions will be accomplished primarily through standard requirements contracts.

Army Knowledge Enterprise Architecture Program systems support the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

Army Transformation Experimentation Campaign Plan systems support the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

MAJOR ARMY COMMAND (MACOM) INFOSTRUCTURE/AUTOMATION SYSTEMS. This program supports installation and modernization of classified and unclassified local area networks, other MACOM infostructure, and mission requirements. 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 Transformation. The enterprise infostructure provided by this program must be in place before a lighter, more sustainable force can be effectively deployed. 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. The program focuses resources to sustain and modernize bases that support power projection and split-based operation as specified in Army doctrine and the National Military Strategy. The networks are being implemented in accordance with approved standards in the Joint Technical Architecture - Army (JTA-A) and the Installation Information Infrastructure Architecture (I3A) to ensure interoperability with all services in accordance with the Army Enterprise Strategy. FY04/05 funds will be used to engineer, furnish, install, and test and consolidate MACOM, installation, and regional servers (e-mail, web, print, file, etc.) and to engineer, furnish, install, and test Gigabit Ethernet switches, local area network cable, and associated components to ensure a consolidated infostructure in accordance with the Army Knowledge Management (AKM) Strategic Plan and support mission requirements. Funding also procures program management.

INSTALLATION SUPPORT MODULES (ISM). ISMs are software applications that have been developed and standardized to perform the business functions at the installation or garrison level. These modules are based upon the functional processes accomplished by the installation Staffs. Presently the ISMs are operational throughout the Continental U.S.

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

Date:

February 2003

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:

(CONUS) and Outside the Continental U.S. (OCONUS), however, they require modernization to run on the updated infostructure. The current environment features user workstations connected by Local Area Networks (LANs) to the installation's backbone communications network. Portable Operating Systems Interface for Computer Environments (POSIX)-compliant ISM servers perform application processing, database processing, and storage. The installations use Non-classified Internet Protocol Router Network (NIPRNET) backbones for long haul communications. Installation gateways connect installations to the long-haul network. Remote user access is accomplished through Terminal Server Access Controller System (TSACS) dial-in modems when required. The ISM is migrating to a regional server architecture that will support a graphical user interface, WEB based user access, and a consolidated infostructure in accordance with the Army Knowledge Management (AKO) Strategic Plan. Theater Network Operations and Security Center (TNOSC), located at Ft. Huachuca, Arizona, manages the ISM network. It performs the Network and Systems Management (NSM) functions, provides general system configuration control, operates a 24/7 Helpdesk, provides user account management, and performs automated backups for ISM devices located at Army installations. FY04/05 procures data and web servers and program management.

**ARMY KNOWLEDGE ENTERPRISE ARCHITECTURE (AKEA):** The AKEA is a blueprint/framework/decision tool used to guide information technology investments, acquisitions, and fielding of integrated systems-of-systems capabilities. It supports Joint and Army information (technology) visions, architectures and plans designed to win the battlefield information war and is based on operational needs and Joint/DOD/Coalition IT requirements. The AKEA also supports business process improvements and leverages information resources. AKEA affects the development of all Army systems, including weapon systems, that use, produce, and exchange information electronically, and mandates the standards and protocols all systems must use to operate together as a digitized force with split-based operations and reachback capabilities. AKEA also provides a full range of Army-wide services in a common operating environment, to include technical integration of software architectures and data management, domain engineering, Internet services, software reuse and data management, and synchronization and standardization of software packages within Unit Set Fielding. Objective products include standard data elements, activity models, data architectures/models, and systems architecture components for the Army Forces, First Cavalry, Stryker Brigade Combat Teams, First Digitized Corp, First Digitized Armored Cavalry Regiment, Unit of Action and Unit of Employment. Objective products also include functional and sustaining base architectures of areas such as intelligence, space, logistics, and personnel in support of Modernization and Transformation; Joint Operational and Technical architecture standards for interoperability; and other architectures required to support DOD Global Information Grid development. Use of the AKEA concepts are expected to increase the quality of software development projects by increasing productivity and system reliability, by reducing software maintenance costs and by promoting greater standardization and reuse of software products. FY 04/05 procures hardware, software, and modeling tools necessary to provide both the combat and the materiel development communities with integrated systems critical for the expansion of a shared data environment. These tools are needed to continue the migration of materiel developer programs (Command and Control, Intelligence, and sustainment systems) to the DOD Common Operating Environment/Network-centric Enterprise Services and weapons systems to the Weapons Systems Common Operating Environment. AKEA will provide significant contributions to the Army/DOD Data Standardization Program with an increased ability to share, reuse, and manage all data products within the Joint Community. Funds will also expand the AKEA infrastructure to substantially improve the Army's ability to produce and share dynamic models based on doctrinally developed static representations of information exchange requirements that will be key to supporting Army compliance with Joint Instructions.

**ARMY TRANSFORMATION EXPERIMENTATION CAMPAIGN PLAN (ATECP):** The Army Transformation Concept Development and Experimentation Campaign Plan (AT-CDEP) outlines the Army's aggressive, innovative experimentation program in a coherent Service/Joint context. AT-CDEP ensures the Army provides Combatant Commanders with sustained land combat capabilities that are indispensable combat multipliers for the Joint Force. The AT-CDEP defines four principal axes for experimentation: Exploratory, Developmental, Service/Joint Engagement, and Integrating Experiments. FY04/05 experimentation includes Unit of Employment development, conducted in coordination with the US Joint Forces Command (JFCOM) Standing Joint Force Headquarters, as well as the FY04 integrating experiment (Army Transformation Experiment 2004) to ensure systems of systems integration, and that Service/Joint integration objectives are met.

# Exhibit P-40C, Budget Item Justification Sheet

Date:

February 2003

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:

FY04/05 funds procure network security software and equipment, network management software, and hardware and other peripheral equipment to support experimentation exercise requirements.

**SMART CARD/COMMON ACCESS CARD (CAC):** In 1999, the Deputy Secretary of Defense mandated that the Common Access Card would become the new Department of Defense identification card for all military personnel (including Reserve Component personnel), all civilian personnel, and for eligible contractors. The Common Access Card incorporates smart card technology features and, in conjunction with the Army's Public Key Infrastructure program, will provide Army personnel with the capability to digitally sign and encrypt email messages. The Army supports the Department of Defense Access Card Office, which procures cardstock on behalf of all Department of Defense components, by funding the cost of the cardstock needed to provide Common Access Cards to all Army Personnel. This is the only funding source for the CAC cardstock. This cardstock is the only source for the new identification cards for all army personnel. FY04/05 funds procure cardstock for producing Common Access Cards for Army personnel and others authorized.

**NETWORK ENTERPRISE TECHNOLOGY COMMAND (NETCOM) WORLD-WIDE SUPPORT MISSION:** NETCOM mission is to operate, manage and defend the Army's infostructure at the enterprise level by leveraging network operations capabilities that offer efficiencies, improvements, and responsive support of warfighter Command, Control, Communications, Computers and Intelligence (C4I) communications requirements. FY 04/05 procures Network Operations (NETOPS) tool suites for NETCOM global Theater Network Operations and Security Centers (TNOSCs) and strategic battalions. These tool suites enable the TNOSCs to accomplish critical functions in support of information assurance and network and systems management. This will provide NETCOM the capability to ensure the operational integration, timely provisioning and effective delivery of strategic, tactical and installation information technology (IT) services critical to support split-based operations and power projection.

**TRANSFORMATION TRAINING SUPPORT:** The TRADOC Institutional Army Battle Command System (ABCS) Training Base educates future commanders, battle staffs, and soldiers to exploit the new digital capabilities on the battlefield. The ABCS is the principle digital command and control system of systems for battlefield commanders from battalion to corps. ABCS builds the Common Tactical Picture (CTP) depicting the complete tactical battle space picture control measures and friendly and enemy platforms near real time. ABCS consists of Global Command and Control System - Army (GCCS-A), Advanced Field Artillery Tactical Data System (AFATDS), All Source Analysis System (ASAS), Combat Service Support Control System (CSSCS), 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). The institutional training base capability enables the schools and training centers to create a networked ABCS learning environment to transition soldiers from analog to digital thinking and warfighting. It also produces soldiers with the skills, knowledge, and attributes needed to operate and maintain the different pieces of digital equipment. Active Component units have already fielded many ABCS systems with fielding completion expected in the next few years. FY04/05 funding procures ABCS Digital Systems (tactical computers, connectivity, and sim/stim driver capability for operator and integrator training) for the schools to conduct ABCS training that will prepare soldiers for assignment to units which have already fielded the systems. If training on these systems lags behind the fielding effort, untrained soldiers will fall in on digital units, hindering unit readiness. This will result in increased cost to the Active Component in order to bring soldiers to the necessary level of digital warfighting proficiency.

<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 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Major Army Command (MACOM) Infostructure/Automation Systems (Servers, Local Area Networks, Video Teleconference Centers, Software, MACOM Unique Systems) Army-wide	A	28278			25304			24449			24887		
. Installation Support Modules (ISM)	A				270			778			776		
. Army Knowledge Enterprise Architecture	A	4111			2295			2317			1939		
. Army Transformation Experimentation Campaign Plan (ATECP)	A	6938			4813			4862			2510		
. TRADOC Institutional Army Tactical Command and Control System Training Base	A	11640			2500								
. Smart Card/Common Access Card (CAC)	A	8250			3878			1568			1563		
. National Guard Bureau (NGB) (Congressional Plusup)	A	4000			5300								
. NETCOM World-Wide Mission	A				520			532			545		
. Transformation Training Support	A							3500					
. Gauntlet System for Ft Knox	A	450											
. Regional Medical Distributive Learning (Congressional Plusup)	A	1000			5600								
. Virtual Mission (Congressional Plusup)					3000								
. Army Knowledge Online (Congressional)					2500								
. Congressional FY03 Plusup allocated to other (BE4161) program					40236								
<b>Total</b>		<b>64667</b>			<b>96216</b>			<b>38006</b>			<b>32220</b>		



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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Major Army Command (MACOM)</b> <b>Infostructure/Automation Systems</b> <b>(Servers, Local Area Networks,</b> <b>Video Teleconference Centers,</b> <b>Software, MACOM Unique Systems)</b> <b>Army-wide</b> FY 2002      VAR *      C/FP      GSA and CECOM      VAR      VAR                YES      NO FY 2003      TBS      C/FP      GSA and CECOM      VAR      VAR                YES      NO FY 2004      TBS      C/FP      GSA and CECOM      VAR      VAR                YES      NO FY 2005      TBS      C/FP      GSA and CECOM      VAR      VAR                YES      NO . <b>Installation Support Modules (ISM)</b> FY 2002      Technology Marketing Livonia, MI      C/FP      DOI, Herndon, VA      JUL 02      JUL 02                YES      NO FY 2002      Government Connections Rockville, MD      C/FP      DOI, Herndon, VA      JUL 02      JUL 02                YES      NO FY 2003      DLT Solutions, Inc. Herndon, VA      F/FP      ITEC4, Alexandria, VA      NOV 02      NOV 02                YES      NO										

REMARKS: All quantities and unit costs vary by configuration; AFB - Air Force Base; AMC - Army Materiel Command; CECOM - US Army Communications-Electronics Command; CAC-W - US Army CECOM Acquisition Center-Washington; DCC - Defense Contracting Command; DCMA - Defense Contract Management Agency; DOC - Directorate of Contracting; DOI - Department of Interior; GSA - General Services Administration; ITEC4 - Information Technology E-Commerce and Commercial Contracting Center; NAWC - Naval Air Warfare Center; NTCAC - National Training Center Acquisition Command; TAC - Training and Doctrine Command (TRADOC) Acquisition Center; USAF - US Air Force; VCC - Vburg Consolidated Contracting Office  
 VAR - Multiple contracts awarded/delivered throughout the year.  
 VAR \* - Army-wide items are procured from contracts with a variety of manufacturers for various sites.

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2004	TBS	C/FP	TBS	VAR	VAR			YES	NO	
FY 2005	TBS	C/FP	TBS	VAR	VAR			YES	NO	
<b>Army Knowledge Enterprise Architecture</b>										
FY 2002	DELL Marketing LP Round Rock, TX	C/FP	DOC, Ft. Gordon, GA	VAR	VAR			YES	NO	
FY 2002	EER Systems Corporation Chantilly, VA	C/FP	TAC, Ft. Eustis, VA	VAR	VAR			YES	NO	
FY 2002	GTSI Corp. Chantilly, VA	C/FP	DOC, Ft. Gordon, GA	VAR	VAR			YES	NO	
FY 2002	Comark Federal Systems Chantilly, VA	C/FP	DOC, Ft. Gordon, GA	VAR	VAR			YES	NO	
FY 2002	Borland Software Corp. Scotts Way, CA	C/FP	DOC, Ft. Gordon, GA	VAR	VAR			YES	NO	
FY 2002	Data Systems Analysts Inc. Pennsauken, NJ	C/FP	DCMA, Philadelphia, PA	VAR	VAR			YES	NO	
FY 2002	Scalable Network Technologies Los Angeles, CA	C/FP	DOC, Ft. Gordon, GA	VAR	VAR			YES	NO	
FY 2002	OPNET Technologies, Inc. Bethesda, MD	C/FP	TAC, Ft. Eustis, VA	VAR	VAR			YES	NO	
FY 2002	Intel Solutions Shrewsbury, NJ	C/FP	DCMA, Philadelphia, PA	VAR	VAR			YES	NO	
FY 2002	ASAP Software Buffalo Grove, IL	C/FP	DOC, Ft. Gordon, GA	VAR	VAR			YES	NO	
FY 2003	TBS	C/FP	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES	NO	

REMARKS: All quantities and unit costs vary by configuration; AFB - Air Force Base; AMC - Army Materiel Command; CECOM - US Army Communications-Electronics Command; CAC-W - US Army CECOM Acquisition Center-Washington; DCC - Defense Contracting Command; DCMA - Defense Contract Management Agency; DOC - Directorate of Contracting; DOI - Department of Interior; GSA - General Services Administration; ITEC4 - Information Technology E-Commerce and Commercial Contracting Center; NAWC - Naval Air Warfare Center; NTCAC - National Training Center Acquisition Command; TAC - Training and Doctrine Command (TRADOC) Acquisition Center; USAF - US Air Force; VCC - Vburg Consolidated Contracting Office  
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**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2004	TBS	C/FP	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES	NO	
FY 2005	TBS	C/FP	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES	NO	
<b>Army Transformation Experimentation Campaign Plan (ATECP)</b>										
FY 2002	Lockeed Martin Corp. Littleton, CO	C/FP	CECOM, Ft. Monmouth, NJ	JAN 02	JAN 02			YES	NO	
FY 2002	UNIXPROS Inc. Eatontown, NJ	C/FP	CECOM, Ft. Monmouth, NJ	DEC 01	DEC 01			YES	NO	
FY 2002	Lockeed Martin Eatontown, NJ	C/FP	CECOM, Ft. Monmouth, NJ	NOV 01	NOV 01			YES	NO	
FY 2002	Data Systems Analysts Inc. Pennsauken, NJ	C/FP	CECOM, Ft. Monmouth, NJ	JAN 02	JAN 02			YES	NO	
FY 2002	General Dynamics, Inc. Needham, MA	C/FP	CECOM, Ft. Monmouth, NJ	JAN 02	JAN 02			YES	NO	
FY 2002	Communications Supply Corp Kent, WA	C/FP	NTCAC, Ft Irwin, CA	JAN 02	JAN 02			YES	NO	
FY 2002	All Cities Enterprise Ontario, CA	C/FP	NTCAC, Ft Irwin, CA	NOV 01	NOV 01			YES	NO	
FY 2002	Institute for Defense Analysis Alexandria, VA	C/FP	DCC, Washington, DC	MAR 02	MAR 02			YES	NO	
FY 2002	TASC Inc. Reading, MA	C/FP	VCCO, Alexandria, VA	MAR 02	MAR 02			YES	NO	
FY 2002	TRW, Inc. Carson, CA	C/FP	CECOM, Ft. Monmouth, NJ	APR 02	APR 02			YES	NO	

REMARKS: All quantities and unit costs vary by configuration; AFB - Air Force Base; AMC - Army Materiel Command; CECOM - US Army Communications-Electronics Command; CAC-W - US Army CECOM Acquisition Center-Washington; DCC - Defense Contracting Command; DCMA - Defense Contract Management Agency; DOC - Directorate of Contracting; DOI - Department of Interior; GSA - General Services Administration; ITEC4 - Information Technology E-Commerce and Commercial Contracting Center; NAWC - Naval Air Warfare Center; NTCAC - National Training Center Acquisition Command; TAC - Training and Doctrine Command (TRADOC) Acquisition Center; USAF - US Air Force; VCC - Vburg Consolidated Contracting Office  
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**Exhibit P-5a, Budget Procurement History and Planning**

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2002	Computer Services Corp. Falls Church, VA	C/FP	CECOM, Ft. Monmouth, NJ	APR 02	APR 02			YES	NO	
FY 2002	Mantech Telecommunications Chantilly, VA	C/FP	CECOM, Ft. Monmouth, NJ	APR 02	APR 02			YES	NO	
FY 2002	Rockwell Collins Inc Cedar Rapids, IA	C/FP	USAF, Robins AFB, GA	JAN 02	JAN 02			YES	NO	
FY 2003	TBS	C/FP	TBS	VAR	VAR			YES	NO	
FY 2004	TBS	C/FP	TBS	VAR	VAR			YES	NO	
FY 2005	TBS	C/FP	TBS	VAR	VAR			YES	NO	
<b>TRADOC Institutional Army Tactical Command and Control System Training Base</b>										
FY 2002	General Dynamics Taunton, MA	C/FP	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES	NO	
FY 2002	DELL Marketing LP Round Rock, TX	C/FP	CAC-W, Alexandria, VA	MAY 02	JUL 02			YES	NO	
FY 2002	TRW, Inc. Carson, CA	C/FP	CECOM, Ft. Monmouth, NJ	AUG 02	VAR			YES	NO	
FY 2002	Multimax Largo, MD	C/FP	CAC-W, Alexandria, VA	JUL 02	AUG 02			YES	NO	
FY 2003	TBS	C/FP	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES	NO	

REMARKS: All quantities and unit costs vary by configuration; AFB - Air Force Base; AMC - Army Materiel Command; CECOM - US Army Communications-Electronics Command; CAC-W - US Army CECOM Acquisition Center-Washington; DCC - Defense Contracting Command; DCMA - Defense Contract Management Agency; DOC - Directorate of Contracting; DOI - Department of Interior; GSA - General Services Administration; ITEC4 - Information Technology E-Commerce and Commercial Contracting Center; NAWC - Naval Air Warfare Center; NTCAC - National Training Center Acquisition Command; TAC - Training and Doctrine Command (TRADOC) Acquisition Center; USAF - US Air Force; VCC - Vburg Consolidated Contracting Office  
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# Exhibit P-5a, Budget Procurement History and Planning

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
.										
<b>Smart Card/Common Access Card (CAC)</b>										
FY 2002	Electronic Data Systems Herndon, VA	C/FP	GSA, Washington, DC	DEC 01	FEB 02			YES	NO	
FY 2003	TBS	C/FP	GSA, Washington, DC	VAR	VAR			YES	NO	
FY 2004	TBS	C/FP	GSA, Washington, DC	VAR	VAR			YES	NO	
FY 2005	TBS	C/FP	GSA, Washington, DC	VAR	VAR			YES	NO	
.										
<b>National Guard Bureau (NGB)</b>										
FY 2002	Science Applications Int Corp Vienna, VA	C/FP	ITEC4, Arlington, VA	OCT 01	VAR			YES	NO	
FY 2002	Information Systems Support Bethesda, MD	C/FP	GSA, Bremerton, WA	SEP 02	VAR			YES	NO	
FY 2003	TBS	C/FP	TBS	VAR	VAR			YES	NO	
.										
<b>NETCOM World-Wide Mission</b>										
FY 2003	TBS	C/FP	ITEC4, Ft. Huachuca, AZ	VAR	VAR			YES	NO	
FY 2004	TBS	C/FP	TBS	VAR	VAR			YES	NO	

REMARKS: All quantities and unit costs vary by configuration; AFB - Air Force Base; AMC - Army Materiel Command; CECOM - US Army Communications-Electronics Command; CAC-W - US Army CECOM Acquisition Center-Washington; DCC - Defense Contracting Command; DCMA - Defense Contract Management Agency; DOC - Directorate of Contracting; DOI - Department of Interior; GSA - General Services Administration; ITEC4 - Information Technology E-Commerce and Commercial Contracting Center; NAWC - Naval Air Warfare Center; NTCAC - National Training Center Acquisition Command; TAC - Training and Doctrine Command (TRADOC) Acquisition Center; USAF - US Air Force; VCC - Vburg Consolidated Contracting Office  
 VAR - Multiple contracts awarded/delivered throughout the year.  
 VAR \* - Army-wide items are procured from contracts with a variety of manufacturers for various sites.

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2005 . <b>Transformation Training Support</b>	TBS	C/FP	TBS	VAR	VAR			YES	NO	
FY 2004 . <b>Gauntlet System for Ft Knox</b>	TBS	C/FP	TBS	VAR	VAR			YES	NO	
FY 2002	Wyandotte Net Tel Wyandotte, OK	C/FP	DOC, Ft. Knox, KY	MAY 02	JUL 02			YES	NO	
FY 2002	GSA IT Solutions Huntsville, AL	C/FP	GSA, Huntsville, AL	MAR 02	MAR 02			YES	NO	
. <b>Regional Medical Distributive Learning</b>										
FY 2002	Science Applications Intl San Diego, CA	C/FP	CAC-W, Alexandria, VA	SEP 02	VAR			YES	NO	
FY 2003	TBS	C/FP	TBS	VAR	VAR			YES	NO	
. <b>Virtual Mission (Congressional Plusup)</b>										
FY 2003	TBS	C/FP	TBS	VAR	VAR			YES	NO	

REMARKS: All quantities and unit costs vary by configuration; AFB - Air Force Base; AMC - Army Materiel Command; CECOM - US Army Communications-Electronics Command; CAC-W - US Army CECOM Acquisition Center-Washington; DCC - Defense Contracting Command; DCMA - Defense Contract Management Agency; DOC - Directorate of Contracting; DOI - Department of Interior; GSA - General Services Administration; ITEC4 - Information Technology E-Commerce and Commercial Contracting Center; NAWC - Naval Air Warfare Center; NTCAC - National Training Center Acquisition Command; TAC - Training and Doctrine Command (TRADOC) Acquisition Center; USAF - US Air Force; VCC - Vburg Consolidated Contracting Office  
 VAR - Multiple contracts awarded/delivered throughout the year.  
 VAR \* - Army-wide items are procured from contracts with a variety of manufacturers for various sites.

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date	
. <b>Army Knowledge Online (Congressional)</b> FY 2003	TBS	C/FP	TBS	VAR	VAR			YES	NO		

REMARKS: All quantities and unit costs vary by configuration; AFB - Air Force Base; AMC - Army Materiel Command; CECOM - US Army Communications-Electronics Command; CAC-W - US Army CECOM Acquisition Center-Washington; DCC - Defense Contracting Command; DCMA - Defense Contract Management Agency; DOC - Directorate of Contracting; DOI - Department of Interior; GSA - General Services Administration; ITEC4 - Information Technology E-Commerce and Commercial Contracting Center; NAWC - Naval Air Warfare Center; NTCAC - National Training Center Acquisition Command; TAC - Training and Doctrine Command (TRADOC) Acquisition Center; USAF - US Air Force; VCC - Vburg Consolidated Contracting Office  
 VAR - Multiple contracts awarded/delivered throughout the year.  
 VAR \* - Army-wide items are procured from contracts with a variety of manufacturers for various sites.

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature PERSONNEL AUTOMATION SYSTEMS (BE4164)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	274.5	34.6	43.6	78.9	36.2	28.2	32.2	34.8	44.3	36.4		643.5
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	274.5	34.6	43.6	78.9	36.2	28.2	32.2	34.8	44.3	36.4		643.5
Initial Spares												
Total Proc Cost	274.5	34.6	43.6	78.9	36.2	28.2	32.2	34.8	44.3	36.4		643.5
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

This budget line provides for procurement of automated data processing equipment (ADPE) for management information systems in the personnel community. These systems conform to Army Knowledge Enterprise Architecture (AKEA) requirements.

**Justification:**

**PERSONNEL ENTERPRISE SYSTEM -AUTOMATION (PES-A):** PES-A is an ADPE acquisition and redesign/implementation program which ensures that state-of-the-art automation infrastructure (automation training, computer platforms, services, telecommunications and productivity/automation tools) is available to the warfighter. It supports all five personnel functions, including recruiting, and is key to execution of day-to-day operations within the Army (e.g., strength accounting, personnel movement, assignment actions, career management, training, recruiting, reenlistment and mobilization). PES-A is the vehicle by which personnel are managed and information is provided to the Department of Defense (DOD), and ultimately, to Congress. It provides interoperability among key activities of the Army's personnel community, namely the Total Army Personnel Command (PERSCOM), Army Reserve Personnel Command (AR-PERSCOM), Army Recruiting Command (USAREC), National Guard Personnel Center (NGPERCEN), Army Accessions Command, and the US Military Entrance Processing Command (USMEPCOM), a joint command for which the Army is the executive agent. PES-A has been the cornerstone of the Army's personnel automation capability required to support emerging systems and the modernization of Power Projection Platforms. FY04/05 procures automation infrastructure (which includes hardware, software, and Enterprise licensing), communications capability, and system modeling to support the personnel community consolidation initiative and distributed capabilities. Continued implementation of PES-A is a major step toward providing personnel information as a force multiplier and integration of the Army's personnel community, with emphasis on system interoperability and integration of the Total Army Personnel Data Base with Active, Reserve, Civilian, and Army National Guard systems.

**US MILITARY ENTRANCE PROCESSING COMMAND JOINT COMPUTER CENTER (USMEPCOM JCC):** The JCC consists of automatic data processing resources in support of USMEPCOM and it's users, including the Selective Service System (SSS). The JCC mission includes the management of resources, in full support of USMEPCOM and SSS peacetime and mobilization mission requirements. FY04/05 procures continued upgrades and replacements with current technology. Specifically, enterprise server central memory and processor engine in FY04 and direct access storage devices (DASD) in FY04/05. Acquisitions support mission requirements and comply with the principles of life cycle management.

**US MILITARY ENTRANCE PROCESSING COMMAND INTEGRATED RESOURCE SYSTEM (USMEPCOM MIRS):** MIRS provides the automation and communications capability for USMEPCOM to meet its peacetime, mobilization and wartime military manpower accession mission for the Armed Services.



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

Date:

February 2003

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:

MIRS will interface with recruiting capabilities for services, incorporating the concept of electronic data sharing using standard Department of Defense (DOD) data elements between USMEPCOM and all the Armed Services recruiting commands, greatly reducing redundant data entry. MIRS continues to improve Military Entrance Processing Stations (MEPS) operations by automating functions previously done manually. This project also includes Computerized Adaptive Testing-Armed Services Vocational Aptitude Battery (CAT-ASVAB), the automated version of the Armed Services Vocational Aptitude Battery test given to determine applicants' mental abilities. FY04/05 procures servers, printers, scanners, bar code readers, personal computers, and network equipment for continuing life cycle replacement and upgrade of MIRS infrastructure at all 65 MEPS throughout the United States and CAT-ASVAB replacement.

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, Middle States Accreditation Board, and Computer Science Accreditation Board. 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 2010 and beyond, USMA must employ in its classrooms and laboratories the latest technology and instructional tools. FY04/05 procures hardware and software to support technology infrastructure systems essential to every aspect of education, training, and command and control of the USMA and West Point. These include computer labs, upgraded classroom information technology, and shared automation facilities and resources that are critical to the mission of USMA.

DEFENSE CIVILIAN PERSONNEL DATA SYSTEM (DCPDS): Army DCPDS effort supports the standardization of business processes in the civilian personnel functional area and regionalization of civilian personnel offices. DCPDS procures automation infrastructure to support fielding of this DOD-wide system to Army activities receiving the DCPDS capability. Automation infrastructure fielded to Army activities consists of Open System Environment (OSE) compliant data and process servers, user workstations, system peripherals, communications infrastructure, and Commercial-Off-The-Shelf (COTS) software (operating system, DBMS, office automation, etc.), fielded to ten Army Regional Service Centers (RSCs) and more than 100 subordinate installation level Customer Support Units (CSUs). Army automation infrastructure is compatible with the DOD DCPDS application software and integrates with the OSE architecture at Army sustaining base sites. Procurement strategy makes maximum use of existing contracts. This effort is projected to improve DOD-wide productivity over 30% in the civilian personnel management functional area in order to accommodate reductions already applied to out-year Army budget. The initial DCPDS infrastructure acquisition concluded in FY99. Infrastructure will be replaced based on a five-year life cycle. FY04/05 funds will be used to replace NT servers, personal computers, printers, and hubs. Funds also procure UNIX servers, upgrades to existing UNIX servers, and additional Network Attached Storage to consolidate data processing for selected civilian personnel business processes. FY04 funds finish the replacement of the original equipment; FY05 funds begin the next replacement cycle.

ARMY RECRUITING INFORMATION SUPPORT SYSTEM (ARISS): ARISS is the core of the United States Army Recruiting Command's Information Technology infrastructure. The system provides critical automation support, external system interfaces to other personnel systems, and incremental mission support enhancements needed to accomplish Army's recruiting mission. ARISS is currently engaged and providing increasingly enhanced automation capabilities to field recruiters and guidance counselors at Military Entrance Processing Stations (MEPS) for the Regular Army, Reserves, and Army National Guard. The ARISS architecture facilitates response to required changes in recruiting business processes, permits reduction of administrative tasks, and eliminates most manual reports to leadership. Operationally it is used to feed leads to the recruiters, capture information about applicants, make sales presentations, electronically project applicant data to the MEPS, backup data on the recruiter's laptop, support an electronic Daily Production Review (DPR) and produce numerous management reports. ARISS continues deployment of automation enhancements to aid the Army recruiters in meeting new accession goals in an era of dwindling resources and a shrinking pool of potential applicants. Additional capabilities are added as required to fully implement its effort multiplying capabilities moving from heavy client software to Web-based software interfaces as the technology infrastructure of the nation matures. FY04/05 funds procure equipment and software to support movement of the Guidance Counselor capabilities down to our experienced cadre recruiters.

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

Date:

February 2003

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:

This also supports implementation of the electronic enlistment packet, with necessary electronic signature support equipment, and electronic records management software and hardware systems. It strengthens data warehouse hardware and other system-wide automation infrastructure to support recruiting operations and life cycles older equipment. ARISS technology transition initiatives are consistent with the Army Knowledge Management Strategies and Goals.

PERSONNEL TRANSFORMATION-ARMY ELECTRONIC HUMAN RESOURCE (ARMY eHR) SYSTEM. The Personnel Transformation mission is to develop, field, and sustain a relevant, reliable, reachable, Army-wide electronic Human Resource (HR) system using a web-based military/civilian, multi-component Enterprise approach for all HR functions. Funds will develop a laboratory environment for integration of Enterprise resource planning software modules to investigate functionalities of different Commercial-off-the Shelf (COTS)/Government-off-the-Shelf (GOTS) products to develop the best solution for the Army. Army eHR is crucial to meet the Army's needs for developing the necessary interfaces, standards, and gap analyses of the legacy systems for integration in to the Defense Integrated Military Human Resource System (DIMHRS). The purpose of the laboratory is to develop the system and avoid working in a live environment in order to protect the data elements. FY04/05 procures software products and associated hardware to support integration and fielding of the web-based Army eHR.

<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 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Personnel Enterprise System-Automation Hardware/Software	A	10960			6950			5215			6015		
. US Military Entrance Processing Command Joint Computer Center Hardware/Software	A	494			781			969			327		
. US Military Entrance Processing Command Integrated Resource System Hardware/Software	A	3914			6528			4135			1338		
. US Military Academy Information Technology Hardware/Software	A	3045			2185			2290			2350		
. Defense Civilian Personnel Data System Hardware/Software	A	6215			6007			6329			7914		
. Army Recruiting Information Support System Hardware/Software	A	17949			15471			12991			8423		
. Personnel Transformation-Army Electronic Human Resource System Hardware/Software	A				4141			4258			1801		
. MACOM Mission ADP Sustainment	A	1000											
. Congressional FY03 plus-up allocated to Hq Management Information Systems	A				36804								
<b>Total</b>		<b>43577</b>			<b>78867</b>			<b>36187</b>			<b>28168</b>		

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Personnel Enterprise System-Automation</b>										
<b>Hardware/Software</b>										
FY 2002	IBM Bethesda, MD	C/FP	GSA-FEDSIM, Alexandria, VA	MAR 02	MAY 02			YES	NO	
FY 2002	SW Spectrum Liberty Lake, WA	C/FP	GSA-FEDSIM, Alexandria, VA	MAR 02	MAY 02			YES	NO	
FY 2002	Salem Group Winston-Salem, NC	C/FP	GSA-FEDSIM, Alexandria, VA	MAR 02	MAY 02			YES	NO	
FY 2002	Westwood Annandale, VA	C/FP	GSA-FEDSIM, Alexandria, VA	MAR 02	MAY 02			YES	NO	
FY 2002	PRC, Inc. McLean, VA	C/FP	GSA-FEDSIM, Alexandria, VA	MAR 02	MAY 02			YES	NO	
FY 2002	Federal Data Corporation Greenbelt, MD	C/FP	GSA-FEDSIM, Alexandria, VA	MAR 02	MAY 02			YES	NO	
FY 2002	SoftMart Downington, PA	C/FP	GSA-FEDSIM, Alexandria, VA	MAR 02	MAY 02			YES	NO	
FY 2002	ASAP Software Express Buffalo, IL	C/FP	GSA-FEDSIM, Alexandria, VA	MAR 02	MAY 02			YES	NO	
FY 2002	Star Print Beltsville, MD	C/FP	GSA-FEDSIM, Alexandria, VA	MAR 02	MAY 02			YES	NO	
FY 2002	ORACLE Reston, VA	C/FP	CECOM, Ft. Monmouth, NJ	MAR 02	MAY 02			YES	NO	
FY 2003	ORACLE Reston, VA	C/FP	CECOM, Ft. Monmouth, NJ	MAR 03	MAY 03			YES	NO	
FY 2003	TBS	C/FP	GSA-FEDSIM, Alexandria, VA	VAR	VAR			YES	NO	
FY 2004	TBS	C/FP	GSA-FEDSIM, Alexandria, VA	VAR	VAR			YES	NO	

REMARKS: All quantities and unit cost vary by configuration and site.  
 DCMA - Defense Contract Management Agency  
 DOC - Directorate of Contracting  
 CECOM - US Army Communications-Electronics Command  
 CAC-W - US Army Communications-Electronics Command (CECOM) Acquisition Center-Washington  
 GSA - General Services Administration  
 GSA-FEDSIM - General Services Administration-Federal Systems Integration Management  
 GTSI - Government Technology Services, Inc  
 TAC - Training and Doctrine Command (TRADOC) Acquisition Center

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2005 . <b>US Military Entrance Processing Command Joint Computer Center Hardware/Software</b>	TBS	C/FP	GSA-FEDSIM, Alexandria, VA	VAR	VAR			YES	NO	
FY 2002	Denver Solutions Group Englewood, CO	C/FP	GSA, Chicago, IL	FEB 02	APR 02			YES	NO	
FY 2003	Denver Solutions Group Englewood, CO	C/FP	GSA, Chicago, IL	NOV 02	DEC 02			YES	NO	
FY 2004	TBS	C/FP	GSA, Chicago, IL	VAR	VAR			YES	NO	
FY 2005	TBS	C/FP	GSA, Chicago, IL	VAR	VAR			YES	NO	
. <b>US Military Entrance Processing Command Integrated Resource System Hardware/Software</b>										
FY 2002	Lockheed-Martin Springfield, VA	C/FP	TAC, Ft. Eustis, VA	VAR	VAR			YES	NO	
FY 2003	Lockheed-Martin Springfield, VA	C/FP	DCMA, Fort Monmouth, NJ	DEC 02	DEC 02			YES	NO	
FY 2003	TBS	C/FP	DCMA, Fort Monmouth, NJ	VAR	VAR			YES	NO	

REMARKS: All quantities and unit cost vary by configuration and site.  
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 DOC - Directorate of Contracting  
 CECOM - US Army Communications-Electronics Command  
 CAC-W - US Army Communications-Electronics Command (CECOM) Acquisition Center-Washington  
 GSA - General Services Administration  
 GSA-FEDSIM - General Services Administration-Federal Systems Integration Management  
 GTSI - Government Technology Services, Inc  
 TAC - Training and Doctrine Command (TRADOC) Acquisition Center

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2004	TBS	C/FP	DCMA, Fort Monmouth, NJ	VAR	VAR			YES	NO	
FY 2005	TBS	C/FP	DCMA, Fort Monmouth, NJ	VAR	VAR			YES	NO	
<b>US Military Academy Information</b>										
<b>Technology Hardware/Software</b>										
FY 2002	Federal Data Corporation Greenbelt, MD	C/FP	DOC, West Point, NY	VAR	VAR			YES	NO	
FY 2002	Audio Video Corp. Albany, NY	C/FP	DOC, West Point, NY	VAR	VAR			YES	NO	
FY 2002	DELL Marketing L.P. Round Rock, TX	C/FP	DOC, West Point, NY	VAR	VAR			YES	NO	
FY 2002	IBM Global Government Industry Bethesda, MD	C/FP	DOC, West Point, NY	NOV 01	DEC 01			YES	NO	
FY 2002	Brinckmann and Assoc, Inc Norcross, GA	C/FP	DOC, West Point, NY	FEB 02	MAR 02			YES	NO	
FY 2002	Lucent Technologies Greenboro, NC	C/FP	DOC, West Point, NY	MAR 01	APR 03			YES	NO	
FY 2002	Westwood Computer, Inc. Springfield, NJ	C/FP	DOC, West Point, NY	MAR 02	APR 02			YES	NO	
FY 2002	CDW Government, Inc. Vernon Hills, IL	C/FP	DOC, West Point, NY	JAN 02	FEB 02			YES	NO	
FY 2002	Smart Technologies, Corp Arlington, VA	C/FP	DOC, West Point, NY	JAN 02	FEB 02			YES	NO	
FY 2002	Norseman Computer Systems Elkridge, MD	C/FP	DOC, West Point, NY	JAN 02	MAR 02			YES	NO	

REMARKS: All quantities and unit cost vary by configuration and site.  
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 DOC - Directorate of Contracting  
 CECOM - US Army Communications-Electronics Command  
 CAC-W - US Army Communications-Electronics Command (CECOM) Acquisition Center-Washington  
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 GSA-FEDSIM - General Services Administration-Federal Systems Integration Management  
 GTSI - Government Technology Services, Inc  
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# Exhibit P-5a, Budget Procurement History and Planning

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2002	Motorola, Inc. Hanover, MD	C/FP	DOC, West Point, NY	VAR	VAR			YES	NO	
FY 2003	CDW Government, Inc. Vernon Hills, IL	C/FP	DOC, West Point, NY	DEC 02	JAN 03			YES	NO	
FY 2003	MA Federal, Inc. DBA IGOV.COM McLean, VA	C/FP	DOC, West Point, NY	DEC 02	JAN 03			YES	NO	
FY 2003	TBS	C/FP	DOC, West Point, NY	VAR	VAR			YES	NO	
FY 2004	TBS	C/FP	DOC, West Point, NY	VAR	VAR			YES	NO	
FY 2005	TBS	C/FP	DOC, West Point, NY	VAR	VAR			YES	NO	
<b>Defense Civilian Personnel Data</b>										
<b>System Hardware/Software</b>										
FY 2002	Lockheed-Martin Owego, NY	C/FP	CAC-W, Alexandria, VA	VAR	VAR			YES	NO	
FY 2002	PRC, Inc. Reston, VA	C/FP	CAC-W, Alexandria, VA	VAR	VAR			YES	NO	
FY 2002	TELOS Ashburn, VA	C/FP	CAC-W, Alexandria, VA	VAR	VAR			YES	NO	
FY 2002	Gov. Connection Rockville, MD	C/FP	CAC-W, Alexandria, VA	VAR	VAR			YES	NO	
FY 2002	GTSI Chantilly, VA	C/FP	CAC-W, Alexandria, VA	VAR	VAR			YES	NO	
FY 2003	Gov. Connection Rockville, MD	C/FP	CAC-W, Alexandria, VA	VAR	VAR			YES	NO	

REMARKS: All quantities and unit cost vary by configuration and site.  
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 CECOM - US Army Communications-Electronics Command  
 CAC-W - US Army Communications-Electronics Command (CECOM) Acquisition Center-Washington  
 GSA - General Services Administration  
 GSA-FEDSIM - General Services Administration-Federal Systems Integration Management  
 GTSI - Government Technology Services, Inc  
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# Exhibit P-5a, Budget Procurement History and Planning

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2004	TBS	C/FP	CAC-W, Alexandria, VA	VAR	VAR			YES	NO	
FY 2005	TBS	C/FP	CAC-W, Alexandria, VA	VAR	VAR			YES	NO	
. <b>Army Recruiting Information Support System Hardware/Software</b>										
FY 2002	TELOS Herndon, VA	C/FP	GSA, Huntsville, AL	NOV 01	DEC 01			YES	NO	
FY 2002	Northrup Grumman Greenbelt, MD	C/FP	GSA, Huntsville, AL	FEB 02	JUL 02			YES	NO	
FY 2003	TBS	C/FP	GSA, Huntsville, AL	VAR	VAR			YES	NO	
FY 2004	TBS	C/FP	GSA, Huntsville, AL	VAR	VAR			YES	NO	
FY 2005	TBS	C/FP	GSA, Huntsville, AL	VAR	VAR			YES	NO	
. <b>Personnel Transformation-Army Electronic Human Resource System Hardware/Software</b>										
FY 2003	TBS	C/FP	TBS	VAR	VAR			YES	NO	
FY 2004	TBS	C/FP	TBS	VAR	VAR			YES	NO	

REMARKS: All quantities and unit cost vary by configuration and site.  
 DCMA - Defense Contract Management Agency  
 DOC - Directorate of Contracting  
 CECOM - US Army Communications-Electronics Command  
 CAC-W - US Army Communications-Electronics Command (CECOM) Acquisition Center-Washington  
 GSA - General Services Administration  
 GSA-FEDSIM - General Services Administration-Federal Systems Integration Management  
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# Exhibit P-5a, Budget Procurement History and Planning

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2005	TBS	C/FP	TBS	VAR	VAR			YES	NO	

REMARKS: All quantities and unit cost vary by configuration and site.  
 DCMA - Defense Contract Management Agency  
 DOC - Directorate of Contracting  
 CECOM - US Army Communications-Electronics Command  
 CAC-W - US Army Communications-Electronics Command (CECOM) Acquisition Center-Washington  
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 GSA-FEDSIM - General Services Administration-Federal Systems Integration Management  
 GTSI - Government Technology Services, Inc  
 TAC - Training and Doctrine Command (TRADOC) Acquisition Center

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature LOGISTICS AUTOMATION SYSTEMS (BE4166)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	91.7	5.0	3.7	2.2	3.2	3.2	4.2	4.2	4.1	4.1		125.5
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	91.7	5.0	3.7	2.2	3.2	3.2	4.2	4.2	4.1	4.1		125.5
Initial Spares												
Total Proc Cost	91.7	5.0	3.7	2.2	3.2	3.2	4.2	4.2	4.1	4.1		125.5
Flyaway U/C												
Wpn Sys Proc U/C												

**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 and the Congressionally mandated Mobility Requirements Study (MRS). The Army is changing its warfighting strategy from a forward deployed force to a Continental United States (CONUS) based force capable of rapid deployment worldwide. At the center of this strategy of rapid force movement are a number of transportation automated systems that facilitate/expedite force movement and re-supply.

**Justification:**

**WORLDWIDE PORT SYSTEM (WPS):** WPS is a Military Traffic Management Command (MTMC) Automated Information System (AIS) initiative essential to effective force projection, in-transit visibility, and the Army's strategy for rapid power projection to meet unspecified threats. In support of the Army Strategic Mobility Program (ASMP), WPS provides movement control for unit equipment and sustainment cargo while in the transportation pipeline. The ASMP was initiated as a result of lessons learned from Operation Desert Shield/Storm and the Congressionally mandated MRS. When fully fielded, WPS will support MTMC 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 in-transit visibility information to the warfighting Commanders-in-Chief (CINCs) 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. WPS will replace four aging Automated Information Systems (AIS) that supported ocean terminal management and cargo documentation missions during peace and war. FY04/05 procures engineering, furnishing, installing, and testing of hardware and software to continue fielding WPS to selected sites.

**AUTOMATED AIR LOAD PLANNING SYSTEM (AALPS):** AALPS is a knowledge-based "expert system" that assists users with aircraft planning. AALPS uses an artificial intelligence methodology to load plan for aircraft in near real time. The system takes data input of equipment and personnel, establishes gross load planning information, and quickly produces fully executable load plans for either a single mission, brigade-sized deployment or multiple division-sized airlifts. AALPS is an approved migration system. Although AALPS is a joint system, the Army is designated as the system proponent, responsible for developing, implementing, and fielding it to the Army, Marine Corps, Navy, and Air Force. Army provides funding for Army sites only; any unique functionality, hardware, training, etcetera is funded by the respective service proponent.

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

Date:

February 2003

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:

Funding procures hardware and software for Army users, supplying them with a deployable automated platform for developing load plans and manifests, which will be used in air deployments and in determining airlift requirements during contingency planning operations. Fielding locations include Ft Bragg, Ft Campbell, Ft Stewart, Ft Benning, Ft Drum, Ft Hood, Ft Lewis, United States Army Europe (USAREUR), Schofield Barracks, Ft Eustis, Ft Bliss, Ft Riley, Ft Sill, Ft Carson, Ft Richardson, Ft Polk, Ft Irwin, Ft Huachuca, Ft Lee, Ft McCoy, Ft McPherson, and Ft Dix. FY04/05 funds procure replacement hardware, associated peripherals and configuration management services to support AALPS development and training efforts.

**INTEGRATED COMPUTERIZED DEPLOYMENT SYSTEM (ICODES):** ICODES is a Military Traffic Management Command (MTMC) initiative, applying the principles of artificial intelligence to the function of planning loads and stowage of cargo and equipment aboard ocean vessels. ICODES is being developed as the standard common user stow planning system to meet DOD worldwide requirements. ICODES will dramatically reduce stow planning time (from 12 hours to under 30 minutes) and improve the accuracy of the ship stow planning process, enabling the user to concentrate on complex problems associated with port management and vessel loading. ICODES will support rapid deployment missions, planning cargo deployments from multiple seaports of embarkation and debarkation, as well as multiple ships. ICODES will also detail a three-dimensional representation of the ship compartments, resolving the height limitations of the current system. Benefits from this system include: replacement of the current autonomous and redundant systems; improved responsiveness to changes and contingencies; ability to electronically transfer stow plans to the user community; streamlined and standardized terminal cargo training support; more effective allocation of marine cargo resources; comprehensive report capability; more precise cargo stow plans; and increased productivity. FY04/05 procures hardware and software necessary to continue fielding to authorized users.

**INTRANSIT 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 transfer of the data to Automated Information Systems (AISs) with little or no human intervention. This enhances the ability to identify, track, document, and control deployment and redeployment of forces, equipment, personnel and sustainment cargo. ITV/AIT will streamline the Military Traffic Management Command and Army logistics business process and enhance its warfighting capability. The ITV/AIT devices purchased, configured, and installed, will be integrated with other components of the DOD AIT infrastructure to improve interoperability. FY04/05 procures hand-held readers and interrogators, business process servers for receiving, storing and forwarding ITV/AIT transactions, and radio frequency identification tags.

**HAZARDOUS SUBSTANCE MANAGEMENT SYSTEM (HSMS):** HSMS is a DoD software package designed to aid in the implementation of improved business practices for the management of hazardous material and hazardous waste at the installation level. The implementation of the improved management system results in an increase in operational readiness and cost savings in hazardous waste disposal. The readiness of the warfighting units is enhanced in several areas. First, the centralized management of hazardous materials decreases the soldier's requirements for many environmental related duties such as ordering, inventory control, issue and disposal and allows more time for maintenance of equipment, weapons and training. Second, these improved management practices reduces the inventory and thus the cost of hazardous materials to the TOE unit allowing more funds for training and other missions. Third, centralized management also allows for the rapid preparation of deployment loads and packages. The system also monitors the shelf life of required hazardous materials needed for training and/or deployment thus reducing the time for the preparation of these deployment loads and the possibility of having to use expired items during training or deployment. And, finally, the centralized management practices allow for the use of hazardous materials only by authorized personnel who are trained and equipped for these operations. Health and safety risks to the unit are reduced as well as the environmental liability of the commander. All of these benefits enhance the capability of units to train and deploy to meet the mission needs of the Total Army. The Army has fielded the improved management system and software to 66 installations to date and plans to field to an approximate total of 170 installations. To date the improved system has resulted in improved operational unit readiness and cost savings or cost avoidances in the following areas: hazardous material purchased and hazardous waste disposal cost.

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

Date:

February 2003

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:

FY 04/05 funds buy automation hardware (computers, printers, bar code scanners and servers) for the fielding of the HSMS software system to Army installations 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: LOGISTICS AUTOMATION SYSTEMS (BE4166)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
. Worldwide Port System (WPS)	A	980			715			896			915		
. Automated Air Load Planning System (AALPS)	A	368			344			346			357		
. Integrated Computerized Deployment System (ICODES)	A	300			160			200			200		
. Intransit Visibility/Automatic Identification Technology (ITV/AIT)	A	2033			952			1077			1054		
. Hazardous Substance Management System (HSMS)	A							631			629		
. . . All quantities and unit costs vary by configuration for all programs													
<b>Total</b>		<b>3681</b>			<b>2171</b>			<b>3150</b>			<b>3155</b>		

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

Date:  
February 2003

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)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Worldwide Port System (WPS)</b>										
FY 2002	Hewlett-Packard Rockville, MD	C/FP	MTMC, Alexandria, VA	VAR	VAR			YES	NO	
FY 2003	TBS	C/FP	MTMC, Alexandria, VA	VAR	VAR			YES	NO	
FY 2004	TBS	C/FP	MTMC, Alexandria, VA	VAR	VAR			YES	NO	
FY 2005	TBS	C/FP	MTMC, Alexandria, VA	VAR	VAR			YES	NO	
.										
<b>Automated Air Load Planning System (AALPS)</b>										
FY 2002	A & T Systems Inc. Silver Springs, MD	C/FP	MTMC, Alexandria, VA	VAR	VAR			YES	NO	
FY 2003	TBS	C/FP	MTMC, Alexandria, VA	VAR	VAR			YES	NO	
FY 2004	TBS	C/FP	MTMC, Alexandria, VA	VAR	VAR			YES	NO	
FY 2005	TBS	C/FP	MTMC, Alexandria, VA	VAR	VAR			YES	NO	
.										
<b>Integrated Computerized Deployment System (ICODES)</b>										

REMARKS: All quantities and unit costs vary by configuration.  
 CENAB - Corps of Engineers Baltimore District  
 MTMC - Military Traffic Management Command  
 VAR - Multiple contracts awarded/delivered throughout the year.

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

Date:  
February 2003

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)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2002	Ganson Engineering Lake Havasu - Havasu, AZ	C/FP	MTMC, Alexandria, VA	VAR	VAR			YES	NO	
FY 2003	TBS	C/FP	MTMC, Alexandria, VA	VAR	VAR			YES	NO	
FY 2004	TBS	C/FP	MTMC, Alexandria, VA	VAR	VAR			YES	NO	
FY 2005	TBS	C/FP	MTMC, Alexandria, VA	VAR	VAR			YES	NO	
.										
<b>Intransit Visibility/Automatic Identification Technology (ITV/AIT)</b>										
FY 2002	Symbol Technologies, Inc. Holtsville, NY	C/FP	MTMC, Alexandria, VA	VAR	VAR			YES	NO	
FY 2003	TBS	C/FP	MTMC, Alexandria, VA	VAR	VAR			YES	NO	
FY 2004	TBS	C/FP	MTMC, Alexandria, VA	VAR	VAR			YES	NO	
FY 2005	TBS	C/FP	MTMC, Alexandria, VA	VAR	VAR			YES	NO	
.										
<b>Hazardous Substance Management System (HSMS)</b>										
FY 2004	TBS	C/FP	CENAB, Baltimore, MD		VAR			YES	NO	

REMARKS: All quantities and unit costs vary by configuration.  
 CENAB - Corps of Engineers Baltimore District  
 MTMC - Military Traffic Management Command  
 VAR - Multiple contracts awarded/delivered throughout the year.

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

Date:  
February 2003

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)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2005	TBS	C/FP	CENAB, Baltimore, MD		VAR			YES	NO	

REMARKS: All quantities and unit costs vary by configuration.  
 CENAB - Corps of Engineers Baltimore District  
 MTMC - Military Traffic Management Command  
 VAR - Multiple contracts awarded/delivered throughout the year.



# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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

P-1 Item Nomenclature  
JOINT COMPUTR AIDED ACQ & LOG SPT (WA1000)

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

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	118.1	66.0	21.7	2.3								208.2
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	118.1	66.0	21.7	2.3								208.2
Initial Spares												
Total Proc Cost	118.1	66.0	21.7	2.3								208.2
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The Joint Computer-Aided Acquisition and Logistics Support (JCALS) will provide all military services with automated tools to support improved business processes associated with managing, acquiring, improving, publishing, stocking, and distributing technical manuals (TMs). In addition, JCALS provides a distributed communications/automation infrastructure capable of integrating digitized business and technical data that supports a weapon system's acquisition and logistics life cycle. JCALS is data-driven and based on a robust information system architecture that can support additional capabilities beyond TMs. JCALS provides interfaces with over 20 legacy systems and will replace seven legacy systems throughout the Joint Services.

At the JCALS sites, hardware and software configurations are dependent on each site's organization and functions, processing needs, and role in the overall system. The system provides local and wide area communications processing; distributes, manages, updates, and replicates data throughout the system; and delivers the applications and functions to the users' workstations. The system architecture includes a central site for user support, system monitoring, life cycle software support, maintenance, and troubleshooting.

**Justification:**

Beginning in FY04 all JCALS funds are in sustainment.

<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 COMPUTR AIDED ACQ & LOG SPT (WA1000)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
. Joint Computer-Aided Acquisition and Logistics Support (JCALS) Hardware Investment	A	7874			1780								
Software Investment	A	1382			344								
Site Fielding and Activation (Installation/Integration)	A	8912			216								
. Prime contractor PMO	A	2260											
. PM JCALS PMO	A	1236											
. Prime contractor PMO and PM JCALS PMO quantities and unit costs for FY02 for each site vary based on the number of users to receive JCALS site configuration, existing infrastructure, and legacy assets to be utilized.													
. All quantities and Unit Costs vary by configuration.													
<b>Total</b>		<b>21664</b>			<b>2340</b>								

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

Date:  
February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: JOINT COMPUTR AIDED ACQ & LOG SPT (WA1000)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Joint Computer-Aided Acquisition and Logistics Support (JCALS)</b>										
<b>Hardware Investment</b>										
FY 2002	Computer Systems Corp. Moorestown, NJ	T&M/FFP	CAC-W	MAY-02	SEP-02			YES	NO	
FY 2003	TBS	T&M/FFP	CAC-W	VAR	VAR			YES	NO	
<b>Software Investment</b>										
FY 2002	Computer Systems Corp. Moorestown, NJ	T&M/FFP	CAC-W	MAY-02	SEP-02			YES	NO	
FY 2003	TBS	T&M/FFP	CAC-W	VAR	VAR			YES	NO	

REMARKS: All Unit costs for all years vary by configuration.  
CAC-W - Communicatons and Electronics Command (CECOM) Acquisition Center - Washington, DC  
FFP - Firm Fixed Price  
T&M - Time and Materials  
VAR - Multiple contracts awarded/delivered throughout the year.

# Exhibit P-40, Budget Item Justification Sheet

Date:

February 2003

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 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	1145.8	97.9	88.0	74.7	45.8	48.8	31.5	29.6	30.4	41.3		1633.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	1145.8	97.9	88.0	74.7	45.8	48.8	31.5	29.6	30.4	41.3		1633.8
Initial Spares												
Total Proc Cost	1145.8	97.9	88.0	74.7	45.8	48.8	31.5	29.6	30.4	41.3		1633.8
Flyaway U/C												
Wpn Sys Proc U/C												

### Description:

The mission of the RCAS is to develop, field and sustain an Automated Information System (AIS) that will provide 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. The RCAS is an Acquisition Category 1AM project managed by the Chief, National Guard Bureau. The RCAS project was restructured in FY95 to constrain cost growth, establish a realistic requirements baseline and leverage new information management technology. The RCAS Mission Need Statement was re-validated on 5 March 1996. The RCAS program goals and functional requirements were documented in the RCAS Operational Concept Description, April 1996. The restructured project approach was approved by the RCAS General Officer Steering Committee, the Office of the Secretary of Defense, Major Automated Information Systems Review Council (OSD MAISRC) and Congress in September 1996. A joint DOD/DA Overarching Integrated Process Team chaired by OSD (C3I) approved Increment One fielding on 23 September 1996.

### Justification:

The RCAS Acquisition Strategy focuses on a combination of evolutionary and incremental development approaches delivering hardware and software functionality in eight increments. These increments, defined in a "rolling wave," evolutionary process, satisfy user-validated requirements in the order of priority established by the Army National Guard and Army Reserve. Increment One, completed in FY01, 18 months ahead of schedule, delivered the RCAS infrastructure through wide area network (WAN) inter-connectivity and COTS hardware/software products, providing the user with immediate capability to meet unit administration, mobilization and communication needs. Increments Two through Six delivered through FY02, added data servers, logistics functionality associated with GOTS software (e.g., Standard Property Book System-Redesign), force authorization, training, human resources functionality, initial and phase 2 software encryption, and introduced mobilization planning, safety and occupational health and management functionality. Increment Seven is complete and is scheduled for a Milestone Fielding Decision early in FY03 which will provide additional occupational health management, mobilization planning, force management, and civilian personnel functionality. Increment Eight, currently scheduled for testing and deployment in FY03 will deliver the remaining mobilization, force modernization, safety and occupational health management and military/civilian personnel functionality. FY03 will also focus on transitioning the RCAS to the sustaining phase of its lifecycle and FY04-09 will focus on maintaining the RCAS developed software and replacing an aging hardware infrastructure to maintain functional operational capabilities.

<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 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
PRODUCTION	A												
ADP Equipment (Initial)	A												
ADP Equipment (Replacement)	A				56224	1	56224	45789	1	45789	48832	1	48832
ADP Software	A	35290	1	35290	1865	1	1865						
<b>SUBTOTAL</b>		<b>35290</b>			<b>58089</b>			<b>45789</b>			<b>48832</b>		
FIELDING	A	925	1	925	474	1	474						
SUSTAINMENT	A	13079	1	13079	7208	1	7208						
PROGRAM MGT/OPERATIONS	A	15000	1	15000	3422	1	3422						
SYSTEM ENGINEERING	A	16294	1	16294	3812	1	3812						
AWARD FEE	A	7400	1	7400	1692	1	1692						
<b>SUBTOTAL</b>		<b>52698</b>			<b>16608</b>								
<b>Total</b>		<b>87988</b>			<b>74697</b>			<b>45789</b>			<b>48832</b>		

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

Date:  
February 2003

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 2002	Science Applications Int Corp Vienna, VA	Option	CECOM/ITEC4	Oct 01	Oct 01	1	35290	Yes	No	
FY 2003	Science Applications Int Corp Vienna, VA	Option	ITEC4	Oct 02	Oct 02	1	1865	Yes	No	
FY 2003	Science Applications Int Corp Vienna, VA	Option	ITEC4	Oct 02	Oct 02	1	56224	Yes	No	
FY 2004	TBD	IDIQ	NGB	TBD	TBD	1	45789	Yes	No	11-02
FY 2005	TBD	IDIQ	NGB	TBD	TBD	1	48832	Yes	No	11-02

REMARKS: The RCAS is an integrated automated information system consisting of myriad Commercial-Off-The-Shelf (COTS) hardware components, e.g. telecommunications equipment, routers, PCs, printers, servicers, etc., all configured to support one RCAS. FY02-03 Unit costs only reflect hardware and software acquisition costs. Other essential contract costs associated with the development and fielding of the system are not included in the unit cost.

FY03-FY05 ADP equipment (replacement category on P5) provides for replacement of hardware infrastructure. The dollar amounts identified will enable replacement of aging hardware infrastructure fielded earlier in the system's life cycle. Hardware replacement is programmed on a 5 year cycle.

Contract award dates for annual renewals of the base contract awarded in 1991. On 21 November 2002, the Project Management Office released a Task Order Request for Proposal (TRP) to acquire a single system integrator to provide support during the sustainment phase of the system's lifecycle.

# Exhibit P-40, Budget Item Justification Sheet

Date:

February 2003

Appropriation/Budget Activity/Serial No:

Other Procurement, Army /2/Communications and Electronics Equipment

P-1 Item Nomenclature

Special Information Operations (SIO) (TIARA) (BK5279)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost			0.2									0.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)			0.2									0.2
Initial Spares												
Total Proc Cost			0.2									0.2
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

CLASSIFIED PROGRAM: INFORMATION WILL BE PROVIDED UPON REQUEST

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment  
 P-1 Item Nomenclature: AFRTS (BZ8480)

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

	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	75.5	1.5	2.5	2.5	2.5	1.8	4.1	3.8	4.4	3.7		102.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	75.5	1.5	2.5	2.5	2.5	1.8	4.1	3.8	4.4	3.7		102.1
Initial Spares												
Total Proc Cost	75.5	1.5	2.5	2.5	2.5	1.8	4.1	3.8	4.4	3.7		102.1
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

The Armed Forces Radio and Television Service (AFRTS) provides American 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 per day to broadcast radio and television programming to nearly 500,000 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 provide the same type of radio and television services to personnel deployed overseas that are available to American citizens in the United States.

**Justification:**

FY 04/05 procures the life cycle replacement of radio and television broadcast and automation systems, procurement of a Tactical Mobile Radio and Television System and a Satellite Production Vehicle for use in support of AFRTS contingency operations worldwide. The mass communications broadcast mission of AFRTS is not duplicated by the strategic communication mission of the Army or other services and is the only means of direct communication from the President of the United States through Combatant Commanders to US deployed forces. Broadcast plant equipment and mobile systems enable Commanders at every level to communicate with deployed forces and serve as a force multiplier during natural disasters, civil disturbances and declared and undeclared conflicts throughout the world.



# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

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)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	136.7	4.7	5.9	5.6	3.9	4.3	6.4	6.5	6.6	6.8		187.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	136.7	4.7	5.9	5.6	3.9	4.3	6.4	6.5	6.6	6.8		187.4
Initial Spares												
Total Proc Cost	136.7	4.7	5.9	5.6	3.9	4.3	6.4	6.5	6.6	6.8		187.4
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

VISUAL INFORMATION SYSTEMS PROGRAM (VISP): The Visual Information Systems Program (VISP) is a centrally managed program that supports Visual Information (VI) processes for all Major Commands (MACOMs) and Headquarters, Department of the Army (HQDA) Field Operating Agencies (FOAs) through Department of Defense (DOD)/Army authorized VI activities that provides audio-visual based products and services to support Army-wide training and readiness, force development, mobilization, health, safety, and documentation of diagnostics for medical, historical, and professional information. VI support includes imagery for installation power projection platforms, video productions (especially for Military Occupational Specialty (MOS) training and readiness, safety and intelligence), electronic imaging, and photography (including DA official photos). VI equipment provides commanders with video, photography, electronic imaging, audio, and other computer-generated media that can be integrated to convey real time, two-way information throughout the chain of command. The equipment in the VISP has been reviewed and prioritized, both by MACOMs, Regional Centers, and HQDA (Chief Information Officer(CIO/G6)) through the requirements process. Funds will purchase equipment to support the transition to electronic imaging (eliminating hazardous chemical processes) and replace equipment past its life cycle for field commanders, plus HQDA, Office of the Joint Chiefs of Staff, Office of the Secretary of Defense, and other government agencies in the National Capital Region, as well as the U.S. Military Academy, Training and Doctrine Command (TRADOC) schools, and the National Guard and Army Reserve training programs.

COMBAT CAMERA: Combat camera equipment is used to support Army Combat Camera unit requirements to produce video documentation of combat and combat support operations. These support Army headquarters and other major Army field units.

**Justification:**

VISUAL INFORMATION SYSTEMS PROGRAM (VISP): FY04/05 funds will be used to replace old, outdated, unrepairable analog VI equipment with current digital technology. Funds will acquire replacement VI investment equipment/systems to produce training materials and other VI products to support the warfighter. Existing equipment is obsolete, requiring excessive maintenance dollars and long inefficient "throughput" times.

COMBAT CAMERA: FY04/05 funds procure hardware, software, fielding, shelter modifications, and program management costs. Funds will be used to acquire motion video hardware and software that will be fielded with Army combat camera units, and also upgrade the still photography capabilities of combat camera units through the acquisition of current generation digital cameras and night vision accessories. The combat camera mobile units, both regular Army and Reserve Components, are required to support theater headquarters and field units to accomplish digital motion video photo and still photo editing in support of documentation of combat and combat support 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: ITEMS LESS THAN \$5.0M (A/V) (BK5289)			Weapon System Type:			Date: February 2003		
<b>OPA2 Cost Elements</b>	ID CD	<b>FY 02</b>			<b>FY 03</b>			<b>FY 04</b>			<b>FY 05</b>		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
. Visual Information Systems Program(VISP) Procurement actions consisting of one or more items of Visual Information Equipment. Individual items are listed in the VISP for year indicated. The Army maintains a priority listing. .	A	5414			5113			3390			3847		
. Combat Camera -Motion video hardware, software, shelter modifications, and program management costs .	A	515			488			489			489		
. Quantities and unit costs vary by configuration for all programs .													
<b>Total</b>		<b>5929</b>			<b>5601</b>			<b>3879</b>			<b>4336</b>		

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

Date:  
February 2003

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
.										
<b>Visual Information Systems Program(VISP)</b>										
FY 2002	VAR	C/FP	DOD T-ASA, McClellan, CA	VAR*	VAR*			YES	NO	
FY 2003	TBS	C/FP	DOD T-ASA, McClellan, CA	VAR*	VAR*			YES	NO	
FY 2004	TBS	C/FP	DOD T-ASA, McClellan, CA	VAR*	VAR*			YES	NO	
FY 2005	TBS	C/FP	DOD T-ASA, McClellan, CA	VAR*	VAR*			YES	NO	
.										
<b>Combat Camera</b>										
<b>-Motion video hardware, software, shelter modifications, and program management costs</b>										
FY 2002	Tobyhanna Army Depot Tobyhanna, PA	MIPR	CECOM, Ft. Monmouth, NJ	APR 02	DEC 02			YES	NO	
FY 2003	TBS	C/FP	ACA/ITEC4, Ft. Belvoir, VA	MAR 03	AUG 03			YES	NO	
FY 2004	TBS	C/FP	ACA/ITEC4, Ft. Belvoir, VA	MAR 04	AUG 04			YES	NO	
FY 2005	TBS	C/FP	ACA/ITEC4, Ft. Belvoir, VA	MAR 05	AUG 05			YES	NO	

REMARKS: All quantities and unit costs vary by configuration.  
 ACA - Army Contracting Agency  
 DOD T-ASA - Department of Defense Television-Audio Support Activity  
 VAR - VISP items are procured from contracts with a variety of manufacturers for various sites.  
 VAR\* - Award date and date of first delivery varies as items are procured from multiple contracts throughout the year. The Army maintains a priority procurement listing in the VISP for years indicated.

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature ITEMS LESS THAN \$5M (SURVEYING EQUIPMENT) (BL5300)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost			0.6	1.0	2.0	2.3	2.9	1.7	2.0	2.0		14.6
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)			0.6	1.0	2.0	2.3	2.9	1.7	2.0	2.0	Continuing	Continuing
Initial Spares												
Total Proc Cost			0.6	1.0	2.0	2.3	2.9	1.7	2.0	2.0	Continuing	Continuing
Flyaway U/C												
Wpn Sys Proc U/C												

**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). This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

**Justification:**

FY04/05 procures the AISI for National Guard and Army Reserve units not accomplished in FY03. Additionally, funding initiates procurement of the Digital Levels (the modernization of existing automated levels) for Active Duty, Reserve and National Guard units.

# Exhibit P-40, Budget Item Justification Sheet

Date: February 2003

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment	P-1 Item Nomenclature PRODUCTION BASE SUPPORT (C-E) (BF5400)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	107.6	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5		111.5
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Proc (P-1)	107.6	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5		111.5
Initial Spares												
Total Proc Cost	107.6	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5		111.5
Flyaway U/C												
Wpn Sys Proc U/C												

**Description:**

This program provides funding to the Army Test and Evaluation Command (ATEC), Developmental Test Command (DTC) to establish, modernize, expand or replace Army-owned industrial 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 generally provides increased automation and efficiencies, improved data quality and quantity and cost avoidances to Army Program Managers. Programmed funding will be used to upgrade or replace production test instrumentation and equipment at The White Sands Missile Range Electronic Proving Ground (EPG), Fort Huachuca, AZ. This project supports all transition paths of the Army Transformation Campaign Plan (TCP).

**Justification:**

FY04/05 procures: Upgrades to the AN/FPS-16 radar system electronics used to determine system position during missions on the Instrumented Test Range; Global Positioning System location transponders used to track various ground targets and communication emitter systems which are state-of-the-art actual threat emitter systems with the capability of transmitting and receiving different radio signal modulation types (replacing current surrogate systems and providing true, validated threat environments, and permitting valid, complete, and accurate test and evaluation of Command, Control and Communications systems and Intelligence and Electronic Warfare systems) - the new systems will cover a much broader range of today's military communication frequencies and modulations. 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.