

DEPARTMENT OF THE ARMY

Procurement Programs



Committee Staff Procurement Backup Book
FY 2003 Budget Estimate

OTHER PROCUREMENT, ARMY
Communications and Electronics
Budget Activity 2

APPROPRIATION

February 2002

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AFRTS	BZ8480	111	531
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ALL SOURCE ANALYSIS SYS (ASAS) (TIARA)	KA4400	55	190
Army Common Ground Station (CGS)	BA1080	59	215
ARMY DATA DISTRIBUTION SYSTEM (DATA RADIO)	BU1400	32	74
ARMY DISN ROUTER	BU0300	46	153
ARMY GLOBAL CMD & CONTROL SYS (AGCCS)	BA8250	31	71
ARMY TRAINING MODERNIZATION	BE4169	107	447
ARTILLERY ACCURACY EQUIP	AD3200	78	323
AUTOMATED DATA PROCESSING EQUIP	BD3000	108	460
BASE SUPPORT COMMUNICATIONS	BU4160	45	149
CI AUTOMATION ARCHITECTURE	BK5284	41	126
CI HUMINT INFO MANAGEMENT SYSTEM (CHIMS) (TIARA)	BK5275	67	248
CMBT SVC SUPT CONTROL SYS (CSSCS)	W34600	92	384
COMBAT IDENTIFICATION / AIMING LIGHT	BA0515	77	317
COMBAT IDENTIFICATION PROGRAM	BA0510	21	1
COMBAT SURVIVOR EVADER LOCATOR (CSEL)	B03200	39	117
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Alphabetic Listing - Other Procurement, Army

Nomenclature	SSN	BLIN	Page
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DEFENSE MESSAGE SYSTEM (DMS)	BU3770	50	177
DEFENSE SATELLITE COMMUNICATIONS SYSTEM (SPACE)	BB8500	23	10
DIGITAL TOPOGRAPHIC SPT SYS (DTSS) (TIARA)	KA2550	60	219
DISTRIBUTED COMMON GRND SYSTEM (DCGS) (JMIP)	BZ7316	64	230
DRUG INTERDICTION PROGRAM (DIP) (TIARA)	BU4050	61	222
ELECTROMAG COMP PROG (EMCP)	BD3100	47	156
FAAD C2	AD5050	93	387
FAAD GBS	WK5053	71	263
FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2)	W61900	83	349
FOREIGN COUNTERINTELLIGENCE PROG (FCI)	BK5282	53	188
FORWARD ENTRY DEVICE / LIGHTWEIGHT FED (FED/LFED)	BZ9851	95	393
GENERAL DEFENSE INTELL PROG (GDIP)	BD3900	54	189
GLOBAL BRDCST SVC - GBS	BC4120	29	62
GUN LAYING AND POS SYS (GLPS)	A30000	100	415
INFORMATION SYSTEM SECURITY PROGRAM-ISSP	TA0600	43	132
INFORMATION SYSTEMS	BB8650	49	160
INTEGRATED MET SYS SENSORS (IMETS) - TIARA	BW0021	87	368
ISYSCON EQUIPMENT	BX0007	101	421
ITEMS LESS THAN \$5.0M (A/V)	BK5289	112	534
ITEMS LESS THAN \$5.0M (TIARA)	BK5278	68	252

Alphabetic Listing - Other Procurement, Army

Nomenclature	SSN	BLIN	Page
ITEMS LESS THAN \$5M (SURVEYING EQUIPMENT)	BL5300	113	540
JCSE EQUIPMENT (USREDCOM)	BB5777	22	7
Joint Network Management System (JNMS)	B95700	102	426
JOINT TACTICAL AREA COMMAND SYSTEMS	BA1010	35	101
JTT/CIBS-M (TIARA)	V29600	56	194
LIFE CYCLE SOFTWARE SUPPORT (LCSS)	BD3955	97	403
Light Weight Techical Fire Direction Sys (LWTFDS)	B78400	91	381
LIGHTWEIGHT LASER DESIGNATOR/RANGEFINDER (LLDR)	K31100	84	356
LOCAL AREA NETWORK (LAN)	BU4165	51	180
LOGTECH	BZ8889	98	408
LONG RANGE ADVANCED SCOUT SURVEILLANCE SYSTEM	K38300	74	300
LTWT VIDEO RECON SYSTEM (LWVRS)	K30800	75	306
MANEUVER CONTROL SYSTEM (MCS)	BA9320	104	432
MEDICAL COMM FOR CBT CASUALTY CARE (MC4)	MA8046	40	123
MOD OF IN-SVC EQUIP (INTEL SPT) (TIARA)	BZ9750	66	236
MOD OF IN-SVC EQUIP (MMS)	AD3255	79	337
MOD OF IN-SVC EQUIP (MVS)	AD3265	80	341
MOD OF IN-SVC EQUIP (TAC SAT)	BB8417	30	67
MOD OF IN-SVC EQUIP (TAC SURV)	BZ7325	82	343
MOD OF IN-SVC EQUIP, AFATDS	B28620	90	377
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Alphabetic Listing - Other Procurement, Army

Nomenclature	SSN	BLIN	Page
NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE)	K47800	26	50
NIGHT VISION DEVICES	KA3500	73	274
NIGHT VISION, THERMAL WPN SIGHT	K22900	76	311
PENTAGON INFORMATION MGT AND TELECOM	BQ0100	52	184
PRODUCTION BASE SUPPORT (C-E)	BF5400	114	541
PROFILER	K27900	81	342
PROPHET GROUND (TIARA)	BZ7326	57	200
RESERVE COMPONENT AUTOMATION SYS (RCAS)	BE4167	109	527
SAT TERM, EMUT (SPACE)	K77200	25	45
SCAMP (SPACE)	BC4003	28	60
SENTINEL MODS	WK5057	72	268
SHF TERM	BA9350	24	40
SHORTSTOP	VA8000	69	257
SINGGARS FAMILY	BW0006	33	83
SMART-T (SPACE)	BC4002	27	55
SOLDIER ENHANCEMENT PROGRAM COMM/ELECTRONICS	BA5300	38	110
Special Information Operations (SIO) (TIARA)	BK5279	110	530
STAMIS TACTICAL COMPUTERS (STACOMP)	W00800	105	435
STANDARD INTEGRATED CMD POST SYSTEM	BZ9962	106	439
Striker Family	B78504	96	396
TACT EXPLOITATION OF NATL CAPABILITIES (TIARA)	BZ7315	62	223

Alphabetic Listing - Other Procurement, Army

Nomenclature	SSN	BLIN	Page
TACTICAL EXPLOITATION SYSTEM (TIARA)	BZ7317	63	226
Tactical Internet Manager	B93900	103	429
TACTICAL OPERATIONS CENTERS	BZ9865	88	371
TC AIMS II	BZ8900	99	412
TERRESTRIAL TRANSMISSION	BU1900	44	142
TRACTOR CAGE	BC3000	34	100
TROJAN (TIARA)	BA0326	65	233
TSEC - ARMY KEY MGT SYS (AKMS)	BA1201	42	127
TUAV	B00301	58	206
WW TECH CON IMP PROG (WWTCIP)	BU3610	48	157

Exhibit P-1M, Procurement Programs - Modification Summary

<u>System/Modification</u>	<u>2000 & Prior</u>	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>To Complete</u>	<u>Total Program</u>
DSCS - MOD OF IN-SVC EQUIP (SPACE) (BB8416)										
Wideband Gapfiller Satellite (WGS)			18.7	17.5	7.6	4.7				48.5
AN/GSC-52 Modernization	91.4	26.7	23.5	21.5	19.4	17.7	11.7	11.8	385.4	609.0
AN/TSC-85/93 Modernization				12.0	9.4	12.1				38.3
Total	91.4	26.7	42.2	50.9	36.4	34.5	16.5	11.8	385.4	695.9
MOD OF IN-SVC EQUIP (TAC SAT) (BB8417)										
SECOMP-I	7.4	1.5	2.5	11.0	11.5	9.5	10.4	10.4	2.1	66.3
Total	7.4	1.5	2.5	11.0	11.5	9.5	10.4	10.4	2.1	66.3
ACUS MOD PROGRAM (BB1600)										
ACUS Area Common User Modernization Plan	730.1	199.9	152.8	75.9	123.0	74.3	77.3	65.9		1499.3
Total	730.1	199.9	152.8	75.9	123.0	74.3	77.3	65.9		1499.3
MOD OF IN-SVC EQUIP (INTEL SPT) (TIARA) (BZ9750)										
Y2K fixes for GR/CS and ARL	7.3									7.3
IBCT-I REMBASS			0.8	0.8	1.3	1.3	0.6	0.6		5.4
AN/PRD-13(V)2	15.0	0.2								15.2
IBCT - GSR			0.6	0.6	0.9	0.9	0.6	0.6		4.2
Total	22.3	0.2	1.4	1.4	2.2	2.2	1.2	1.2		32.1
SENTINEL MODS (WK5057)										
Transmitter Improvements			16.9	13.4	9.6	7.4	7.5	5.9	0.3	61.0
ETRAC Modifications			14.5	13.1	8.9	6.9	6.9	8.8	0.2	59.4
Total			31.4	26.6	18.4	14.3	14.5	14.7	0.5	120.5
MOD OF IN-SVC EQUIP (MMS) (AD3255)										
New Mod			0.9	0.3	0.4	0.4				2.0

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

<u>System/Modification</u>	<u>2000 & Prior</u>	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>To Complete</u>	<u>Total Program</u>
Total			0.9	0.3	0.4	0.4				2.0
MOD OF IN-SVC EQUIP (TAC SURV) (BZ7325)										
AN/TPQ-36(V)8 Electronics Upgrade	109.0	21.5	18.0	30.3	18.6	2.8	0.9	1.8		202.8
AN/TPQ-36(V)8 Hardware/Software Mods	6.1			1.1						
AN/TPQ-37 Fire Support Digitization	2.6	0.8	2.0	1.1	1.1	0.4				8.0
Firefinder MAPS Hybrid	0.7	1.0	1.3	0.7	0.3	0.2				
Total	118.4	23.3	21.3	33.1	20.0	3.4	0.9	1.8		210.8
FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2) (W61900)										
New Mod										
Total										
MOD OF IN-SVC EQUIP, AFATDS (B28620)										
MOD OF IN-SVC EQUIP, AFATDS				3.0	3.0					5.9
Total				3.0	3.0					5.9
FAADC2I MODIFICATIONS (AD5090)										
CHS Upgrade	7.8									7.8
Total	7.8									7.8
Grand Total	977.4	251.6	252.4	202.2	215.0	138.6	120.8	105.8	388.0	2640.6

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

P-1 Item Nomenclature
COMBAT IDENTIFICATION PROGRAM (BA0510)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty		10	46	164	167							387
Gross Cost		5.4	7.3	15.4	13.0							41.1
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)		5.4	7.3	15.4	13.0							41.1
Initial Spares												
Total Proc Cost		5.4	7.3	15.4	13.0							41.1
Flyaway U/C												
Wpn Sys Proc U/C		0.5	0.2	0.1	0.1							

Description:

The Battlefield Combat Identification System (BCIS) is an all weather, day/night, millimeter wave, Low Probability of Intercept/Low Probability of Detection (LPI/LPD), digitally encrypted question and answer system that provides positive identification of friendly platforms out to 5.5 km. BCIS was developed to minimize fratricide while maximizing combat effectiveness. BCIS provides positive identification of friendly platforms to aid the gunner and commander to make a rapid shoot/don't shoot decision at the point of engagement. Participation with coalition forces further complicates combat identification since friend and foe may use identical vehicles. As a result, visual identification alone may not be sufficient. The BCIS automatically determines if a vehicle is friend or unknown even when visual identification is not possible. BCIS also provides short range, LPI/LPD situational awareness messages at the platoon level. Any target identification data received by BCIS will be sent through the platform Force XXI Battle Command Brigade and Below (FBCB2) to update the situational awareness database. BCIS has been designated as an Army Horizontal Technology Integration (HTI) Modernization program with responsibility for A-kit integration on 38 platforms. The BCIS program has been approved for Low Rate Initial Production (LRIP) to field to the Army's 4th Infantry Division (4ID). Survivability is one of the seven tenets of the Army Transformation strategy and BCIS represents an integral part of that strategy as it works to reduce incidents of fratricide. This system supports the Legacy transformation path of the Transformation Campaign Plan (TCP).

Justification:

There is no FY03 funding

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: COMBAT IDENTIFICATION PROGRAM (BA0510)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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													
B-kits					5849	164	36	6064	167	37			
A-Kits					2520	134	19	2916	243	12			
2. Government Project Management					1500			1500					
3. System Test and Evaluation					2200								
4. Engineering Change Orders (ECO)					1570			1364					
6. Fielding/Installation					974			925					
7. Training Devices					805			277					
Total					15418			13046					

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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-kits										
FY 2000	TRW Carson, CA	SS/M3-1	CECOM, Ft. Monmouth, NJ	Mar-00	Jan-01	46	72	Yes	NA	Dec-99
FY 2001	TRW Carson, CA	SS/M3-2	CECOM, Ft. Monmouth, NJ	Mar-01	May-02	164	36	Yes	NA	
FY 2002	TRW Carson, CA	SS/M3-3	CECOM, Ft. Monmouth, NJ	Mar-02	Feb-03	167	37			

REMARKS: Quantities for Abrams and Bradley platforms are budgeted and procured in accordance with HTI policy under SSN GA0700, M1 Abrams Tank Mod and SSN GZ2400, Bradley Fighting Vehicle System Series Mod.
The TRW contract was awarded as a sole source multi-year contract.

FY 01 / 02 BUDGET PRODUCTION SCHEDULE							P-1 Item Nomenclature: COMBAT IDENTIFICATION PROGRAM (BA0510)														Date: February 2002																																			
COST ELEMENTS	MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Fiscal Year 01												Fiscal Year 02												L A T E R																									
							Calendar Year 01												Calendar Year 02																																					
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP																										
B-kits																																																								
	1	FY 00	A	46	0	46						4	2											7	20	13																								0						
	1	FY 01	A	164	0	164								A																									4	20	20	20	20						80							
	1	FY 02	A	167	0	167																																	A													167				
	1	FY 03	A		0	0																																														0				
B-kits (Abrams/Bradley)																																																								
	1	FY 00	A	67	0	67										30	4							20	13																									0						
	1	FY 01	A	76	0	76								A																											20	20	20	16								0				
	1	FY 02	A	73	0	73																																	A												73					
	1	FY 03	A		0	0																																													0					
Total				593		593						4	2			30	4							20	20	20	13								20	20	20	20	20	20	20	20					320									
MFR				PRODUCTION RATES			REACHED	MFR Number	ADMINLEAD TIME				MFR After 1 Oct	TOTAL After 1 Oct	REMARKS																																									
R		NAME/LOCATION	MIN.	1-8-5	MAX.	D+			Prior 1 Oct	After 1 Oct																																														
1	TRW, Carson, CA		20.00	100.00	200.00	0	1	INITIAL		0	5	10	15	Abrams and Bradley quantities are budgeted in accordance with HTI policy under SSN GA0700, M1 Abrams Tank Mod and SSN GZ2400 Bradley Fighting Vehicle System Series Mod. Early FY01 deliveries were to support IOTE.																																										
								REORDER		0	5	14	19																																											
								INITIAL																																																
								REORDER																																																
								INITIAL																																																
								REORDER																																																
								INITIAL																																																
								REORDER																																																

FY 03 / 04 BUDGET PRODUCTION SCHEDULE	P-1 Item Nomenclature: COMBAT IDENTIFICATION PROGRAM (BA0510)	Date: February 2002
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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 03												Fiscal Year 04												L A T E R
							Calendar Year 03												Calendar Year 04												
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
B-kits																															
	1	FY 00	A	46	46	0																								0	
	1	FY 01	A	164	84	80	20	20	20	20																				0	
	1	FY 02	A	167	0	167					8	8	8	8	7	8	20	20	20	20	20	20							0		
	1	FY 03	A		0	0																							0		
B-kits (Abrams/Bradley)																															
	1	FY 00	A	67	67	0																							0		
	1	FY 01	A	76	76	0																							0		
	1	FY 02	A	73	0	73					12	12	12	12	13	12													0		
	1	FY 03	A		0	0																							0		
Total				593	273	320	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20										

						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					REACHED	ADMIN LEAD TIME		MFR	TOTAL		REMARKS																		
						D+	Prior 1 Oct	After 1 Oct	After 1 Oct	After 1 Oct																				
1	TRW, Carson, CA					0					Abrams and Bradley quantities are budgeted in accordance with HTI policy under SSN GA0700, M1 Abrams Tank Mod and SSN GZ2400 Bradley Fighting Vehicle System Series Mod. Early FY01 deliveries were to support IOTE.																			

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

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

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	62.8	3.1	5.1	5.5	5.6	6.1	4.7	4.7	4.3	4.7		106.6
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)	62.8	3.1	5.1	5.5	5.6	6.1	4.7	4.7	4.3	4.7		106.6
Initial Spares												
Total Proc Cost	62.8	3.1	5.1	5.5	5.6	6.1	4.7	4.7	4.3	4.7		106.6
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 communications 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 Commander-in-Chiefs (CINC), Services and other Defense Agencies. This program supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP)

Justification:

The FY 03 program procures equipment that contains the latest mature technology available to meet the current and future communications requirements of the warfighting CINCs. Equipment to be procured includes, mobile satellite systems, commercial off the shelf (COTS) switches, and network equipment (including data terminal equipment and upgrades).

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: JCSE EQUIPMENT (USREDCOM) (BB5777)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID CD	FY 00			FY 01			FY 02			FY 03		
			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)						5461			5552			6120		
Total						5461			5552			6120		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	1766.0	95.1	68.2	74.3	99.4	89.8	99.5	98.1	56.7	52.8	1115.3	3615.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	1766.0	95.1	68.2	74.3	99.4	89.8	99.5	98.1	56.7	52.8	1115.3	3615.3
Initial Spares												
Total Proc Cost	1766.0	95.1	68.2	74.3	99.4	89.8	99.5	98.1	56.7	52.8	1115.3	3615.3
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:

FY03 procures various requirements of the National Command Authorities (NCA), Commanders in Chief (CINCs), White House Communications Agency (WHCA), Navy C2, NATO, UK, and Diplomatic Telecommunications Service (DTS) as directed by the Office of the Joint Chiefs of Staff (OJCS).

FY03 Jam Resistant Secure Communication (JRSC) funds will provide for the planning system software and support for the Wideband Anti-Jam Modem System (WAMS). FY03 Modification of In-Service equipment funds provide for procuring the AN/GSC-52 installation kits, retrofitting other DSCS terminals and buying Ka Band terminals for the Wideband Gapfiller System (WGS) program. FY03 DSCS Operations Control System (DOCS) funds initial quantities of the Integrated Monitoring & Power Control Sub System (IMPCS). In addition FY03 procures the Enhanced Bandwidth Efficient Modem and baseband equipment for Gapfiller. FY03 Digital Equipment funds will provide for continued fabrication of racks and components and their integration into DSCS. FY03 Interconnect Facility (ICF) will continue to accomplish DISA and JCS directed satellite ground terminal relocations supporting realignment of U.S. forces 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: DEFENSE SATELLITE COMMUNICATIONS SYSTEM (SPACE) (BB8500)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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)						10569			10450			9643		
DSCS-INTERCONNECT FACILITY(SPACE)						10301			10714			10874		
DSCS-JAM RESISTANT SECURE COMM(SPACE)						9210			6258			6270		
DSCS-OPERATIONS CONTROL SYSTEMS(SPACE)						17554			29840			11506		
DSCS-MOD OF IN-SERVICE EQUIP(SPACE)						26662			42158			50916		
DSCS-NATIONAL CMMD AUTHORITY(SPACE)												597		
Total						74296			99420			89806		

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

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

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost						0.6	1.8	1.8	1.1	0.6		5.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)						0.6	1.8	1.8	1.1	0.6		5.8
Initial Spares												
Total Proc Cost						0.6	1.8	1.8	1.1	0.6		5.8
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. and Russia.

Justification:

FY03 procures site evaluation and system specifications.

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	360.3	14.1	14.1	9.2	6.3	6.3	4.5	3.9	3.0	3.0	90.6	515.2
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)	360.3	14.1	14.1	9.2	6.3	6.3	4.5	3.9	3.0	3.0	90.6	515.2
Initial Spares												
Total Proc Cost	360.3	14.1	14.1	9.2	6.3	6.3	4.5	3.9	3.0	3.0	90.6	515.2
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. In FY01, the Wideband Anti-Jam Modem System (WAMS) Integrated Monitoring Power Control Subsystem (IMPCS) contract was awarded. 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 transition path of the Transformation Campaign Plan (TCP).

Justification:

FY03 procures the planning system software and support for the Wideband Anti-Jam Modem System (WAMS).

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: DSCS - JAM RESISTANT SECURE COMM (JRSC) (SPACE) (BA8300)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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								3998	15	267			
WAMS IMPCS ECP (Integrated Monitoring & Power Control Subsystem)					6217								
Planning System Software											3723		
System Interoperability								200					
Engineering Change Order					429								
IOTE											175		
Government/Contractor Engineering					1474			1745			1696		
PM Admin					1090			315			676		
Total					9210			6258			6270		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
WAMS HARDWARE FY 2002	TBS	C/FP	CECOM	Jun-02	Jul-05	15	267			

REMARKS: Basic contract will be awarded Jun 02 with funds from terminated UMS contract.

Exhibit P-40, Budget Item Justification Sheet

Date: February 2002

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:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	335.5	31.9	16.9	26.7	42.2	50.9	36.5	34.5	16.5	11.8		603.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	335.5	31.9	16.9	26.7	42.2	50.9	36.5	34.5	16.5	11.8		603.4
Initial Spares												
Total Proc Cost	335.5	31.9	16.9	26.7	42.2	50.9	36.5	34.5	16.5	11.8		603.4
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 Interim 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 emerging communications requirements of the warfighter within the Ground Mobile Forces (GMF) segment of DSCS. This system supports the Legacy Transition Path of the Transformation Campaign Plan (TCP).

Justification:

FY03 procures options for the AN/GSC-52 Installation Kits and components that are common to the other DSCS Satellite Terminals. Government installations start in 2Q FY03 and provide one Control Monitor Alarm (CMA) System for all DSCS Terminals (AN/GSC-39 & AN/FSC-78). In the WGS program, FY03 funds are required to procure 3 of 6 Ka Band terminals. For the AN/TSC-85 & 93 terminal program FY03 funds are required to procure equipment components for the terminal kits.

Exhibit P-40M, Budget Item Justification Sheet

Date:

February 2002

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	2000 & PR	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	TC	Total
Wideband Gapfiller Satellite (WGS)											
0-00-00-0000		0.0	0.0	18.7	17.5	7.6	4.7	0.0	0.0	0.0	48.5
AN/GSC-52 Modernization											
1-89-07-0030		91.4	26.7	23.5	21.5	19.4	17.7	11.7	11.8	385.4	609.1
AN/TSC-85/93 Modernization											
0-00-00-0000		0.0	0.0	0.0	11.9	9.5	12.1	4.8	0.0	0.0	38.3
Totals		91.4	26.7	42.2	50.9	36.5	34.5	16.5	11.8	385.4	695.9

INDIVIDUAL MODIFICATION

Date: February 2002

MODIFICATION TITLE: Wideband Gapfiller Satellite (WGS) [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 funding will provide the procurement of new two-way Ka Band terminals. 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 Commanders-in-Chief (CINCs). FY03 funding is required to procure 3 of the 6 Ka Band Terminals.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Installation Schedule:

Pr Yr	FY 2001				FY 2002				FY 2003				FY 2004				FY 2005			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Totals																				
Inputs											2		0	1	1	1	1			
Outputs													2	0	1	1	1	1		

Pr Yr	FY 2006				FY 2007				FY 2008				FY 2009				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:	N/A	ADMINISTRATIVE LEADTIME:	6 Months	PRODUCTION LEADTIME:	14 Months
Contract Dates:	FY 2002 Jun 02	FY 2003 Jun 03		FY 2004 Jun 04	
Delivery Date:	FY 2002 Aug 03	FY 2003 Aug 04		FY 2004 Aug 05	

INDIVIDUAL MODIFICATION

Date: February 2002

MODIFICATION TITLE (Cont): Wideband Gapfiller Satellite (WGS) [MOD 1] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	FY 2000 and Prior		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		TC		TOTAL		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
	Procurement																				
Non-Recurring						1.3														1.3	
Hardware					2	11.4	3	13.2	1	3.6									6	28.2	
Documentation						2.1														2.1	
Test						1.9														1.9	
Training							0.1		0.3		0.1									0.5	
Total Pkg Fld						0.1		0.2		0.4										0.7	
Interim Contractor Support							0.5		0.6		2.9									4.0	
Govt/Contr Support						1.9		1.9		1.2		1.2								6.2	
Installation of Hardware																					
FY 2003							2	1.6												2	1.6
FY 2004									3	1.5										3	1.5
FY 2005											1	0.5								1	0.5
--																					
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--																					
Total Installment		0.0		0.0		0.0	2	1.6	3	1.5	1	0.5		0.0		0.0		0.0	6	3.6	
Total Procurement Cost		0.0		0.0		18.7		17.5		7.6		4.7		0.0		0.0		0.0		48.5	

INDIVIDUAL MODIFICATION

Date: February 2002

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. A contract was awarded in FY98 for the production of installation kits and installation of the AN/GSC-52 hardware. The guidance was directed by Defense Information Systems Agency (DISA) DSCS Program Plans FY93-98, dated January 1994. FY03 funds are required to continue the acquisition of AN/GSC-52 installation kits and continue the acquisition of common components.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Installation Schedule:

Pr Yr	FY 2001				FY 2002				FY 2003				FY 2004				FY 2005			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Totals																				
Inputs			2	1	2	2	2	1	2	1	1	1	2	2	2	1	2	2	1	
Outputs				2	1	2	2	2	1	2	1	1	1	2	2	2	1	2	2	1

Pr Yr	FY 2006				FY 2007				FY 2008				FY 2009				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs	2	1	1	1	2	2	3											39
Outputs	1	2	1	1	2	2	3											39

METHOD OF IMPLEMENTATION:	MWO	ADMINISTRATIVE LEADTIME:	3 Months	PRODUCTION LEADTIME:	30 Months
Contract Dates:	FY 2002 Feb 02	FY 2003 Feb 03		FY 2004 Feb 04	
Delivery Date:	FY 2002 Sep 04	FY 2003 Sep 05		FY 2004 Sep 06	

INDIVIDUAL MODIFICATION

Date: February 2002

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

FINANCIAL PLAN: (\$ in Millions)

	FY 2000 and Prior		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	Procurement																			
Up/Down Converters		31.4																		31.4
Restoral Terminals	4	5.2																	4	5.2
Installation Kits (Recur)																				
- Fixed	16	11.6	2	2.6	7	4.6	8	4.1											33	22.9
- Vanized	2	1.9	4	5.1															6	7.0
Non-Recurring Engineering		5.9																		5.9
Engineering Change Orders		4.8		1.8		2.4														9.0
Antenna Modernization		4.1																		4.1
Data/Documentation		3.6																		3.6
Testing		1.6		1.5																3.1
Training				0.5		0.3		0.3												1.1
Total Package Fld(TPF)		0.8		2.0		2.0		2.0		3.0		3.0		1.3		1.0				15.1
Interim Contractor Support (ICS)		0.4		1.0		1.5		2.0		4.3		5.2		4.9		4.9				24.2
Project Mgmt Admin		1.2		0.8		0.5		0.4		0.4		0.4		0.4		0.4				4.5
Government Support		9.8		3.6		3.6		3.3		2.8		2.8		2.6		2.0				30.5
Software Development/PPSS		8.1				1.0		1.3		1.8										12.2
CMA Retrofit	2	0.2	18	2.5	11	1.2	13	1.5											44	5.4
Retrofit Hardware		0.8		2.9		3.0		4.1		3.6		3.8						385.4		403.6
Installation of Hardware																				
FY 1998			3	2.4															3	2.4
FY 1999					7	3.4	2	1.0											9	4.4
FY 2000							3	1.5	3	1.5									6	3.0
FY 2001									4	2.0	2	1.0							6	3.0
FY 2002											3	1.5	4	2.0	7	3.5			7	3.5
FY 2003													1	0.5					8	4.0
Total Installment		0.0	3	2.4	7	3.4	5	2.5	7	3.5	5	2.5	5	2.5	7	3.5		0.0	39	20.3
Total Procurement Cost		91.4		26.7		23.5		21.5		19.4		17.7		11.7		11.8		385.4		609.1

INDIVIDUAL MODIFICATION

Date: February 2002

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 and emerging 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 increased satellite connectivity and provide the means for the GMF ground segment to pass higher data rates and increased user communications networks. These Upgraded TACSAT Terminals will support the increased communications requirements of the Commanders-in-Chiefs (CINCs). FY03 will purchase the required components for 59 kits.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Installation Schedule:

Pr Yr	FY 2001				FY 2002				FY 2003				FY 2004				FY 2005					
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Inputs														15	15	15	14	15	15	15	14	
Outputs														15	15	15	14	15	15	15	14	
	FY 2006				FY 2007				FY 2008				FY 2009				To Complete	Totals				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
Inputs	15	15	15	14																		177
Outputs	15	15	15	14																		177

METHOD OF IMPLEMENTATION:	MWO	ADMINISTRATIVE LEADTIME:	4 Months	PRODUCTION LEADTIME:	8 Months
Contract Dates:	FY 2002 Feb 03	FY 2003 Feb 04		FY 2004 Feb 05	
Delivery Date:	FY 2002 Oct 03	FY 2003 Oct 04		FY 2004 Oct 05	

INDIVIDUAL MODIFICATION

Date: February 2002

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

FINANCIAL PLAN: (\$ in Millions)

	FY 2000 and Prior		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		TC		TOTAL		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
	Procurement																				
High Voltage Power Supply							59	1.9	64	2.0	87	2.7	34	1.1						244	7.7
AS-3036 Antenna Kit							43	1.5	46	1.6	63	2.2	25	0.9						177	6.2
Enhanced Tactical SSP							59	1.8	64	2.0	87	3.1	34	0.9						244	7.8
Multiplexer - FCC 100							59	2.0	64	2.2	87	3.2	34	1.1						244	8.5
Replacement Orderwire							73	0.9	104	0.5										177	1.4
Non-recurring Engineering								0.5													0.5
Documentation/Software								1.8													1.8
Test								0.4													0.4
Training								0.1	0.3		0.3		0.3								1.0
Total Pkg Fielding								0.1	0.1		0.1		0.1								0.3
Govt/Contractor Support								0.9	0.5		0.3		0.3								2.0
Installation of Hardware																					
FY 2003 Equip -- Kits									43	0.2										43	0.2
FY 2004 Equip -- Kits									16	0.1	30	0.1								46	0.2
FY 2005 Equip -- Kits											0.1	29	0.1	34	0.1					63	0.2
FY 2006 Equip -- Kits												25	0.1						25	0.1	
Total Installment		0.0		0.0		0.0		0.0	59	0.3	59	0.2	59	0.2		0.0		0.0		177	0.7
Total Procurement Cost		0.0		0.0		0.0		11.9		9.5		12.1		4.8		0.0		0.0			38.3

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	467.6	11.3	10.4	10.6	10.5	9.6	17.8	10.4	6.3	6.3	362.7	923.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	467.6	11.3	10.4	10.6	10.5	9.6	17.8	10.4	6.3	6.3	362.7	923.5
Initial Spares												
Total Proc Cost	467.6	11.3	10.4	10.6	10.5	9.6	17.8	10.4	6.3	6.3	362.7	923.5
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 research, development, and 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 utilizes equipment that makes maximum 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 racks integrated into vanized or fixed configurations. This system supports the Legacy Transition path of the Transformation Campaign Plan (TCP).

Justification:

FY03 procures fabrication of racks and their integration into the DSCS. These racks support the Jam Resistant Secure Communications (JRSC) and global Tri-Service Frequency Division Multiple Access (FDMA) earth terminal communications requirements. These JRSC racks and FDMA racks provide 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, Commanders-in-Chief, and the Pentagon. The Multiplexer Integration and DCSS Automation System (MIDAS) will provide backward compatibility with the existing tactical infrastructure while providing technology insertion. FY03 continues to procure the baseband equipment necessary to support the Wideband Gapfiller Satellite Program. This system provides wideband communications to the warfighter during all levels of conflict. FY03 also procures the Enhanced Bandwidth Efficient Modem (EBEM).

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: DSCS - DIGITAL EQUIPMENT (SPACE) (BB8501)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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													
DCSS Equipment Racks and Fabrication	A				2940	42	70	3450	50	69	3465	55	63
EBEM											1000	50	20
GapFiller Baseband Equipment								2700	3	900	1800	2	900
Contractor Engineering					950			1000			978		
Government Engineering					400			400			400		
Program Management Admin					793			1100			1000		
Documentation/Configuration Management					500			500			500		
Implementation (MIDAS)					1000			500			500		
Site Preparation/Design (MIDAS)					1492			800					
8-PSK Modem (BEM) DFCS Interface					100								
AN/GSC-52 Modernization ECO					2394								
Total					10569			10450			9643		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
DCSS Equipment Racks and Fabrication										
FY 2001	TYAD Tobyhanna, PA	WR	CECOM	Nov-00	Dec-00	42	70	Yes		
FY 2002	TYAD Tobyhanna, PA	WR	CECOM	Nov-01	Dec-01	50	69	Yes		
FY 2003	TYAD Tobyhanna, PA	WR	CECOM	Nov-02	Dec-02	55	63	Yes		
EBEM										
FY 2003	To Be Selected	C/FFP	CECOM	Mar-03	May-03	50	20	Yes		
GapFiller Baseband Equipment										
FY 2002	To Be Selected	C/FFP	CECOM	Apr-02	Jan-03	3	900	Yes		
FY 2003	To Be Selected	C/FFP	CECOM	Apr-03	Jan-04	2	900	Yes		

REMARKS: WR = WORK REQUEST
 TYAD = TOBYHANNA ARMY DEPOT
 PSK = PHASE SHIFT KEYING
 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 2002

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

P-1 Item Nomenclature
DSCS - INTERCONNECT FACILITY (SPACE) (BB8504)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	120.6	10.6	10.1	10.3	10.7	10.9	12.9	11.7	11.9	13.0	119.0	341.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	120.6	10.6	10.1	10.3	10.7	10.9	12.9	11.7	11.9	13.0	119.0	341.6
Initial Spares												
Total Proc Cost	120.6	10.6	10.1	10.3	10.7	10.9	12.9	11.7	11.9	13.0	119.0	341.6
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 Transition Path of the Transformation Campaign Plan (TCP).

Justification:

FY03 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 necessitates 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.

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: DSCS - INTERCONNECT FACILITY (SPACE) (BB8504)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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
TERMINAL INSTALLATIONS						1780			1500			1593		
ENGINEERING/TEST						2090			2200			2350		
DEACTIVATION/RELOCATION						1500			1500			1300		
INTERCONNECT FACILITY UPGRADES						200			200			200		
DCSS INSTALLATIONS						200			200			200		
NON-RECURRING ENG						2258			2579			2682		
BILL OF MATERIEL SYSTEM						504			635			649		
PROJECT MGT ADMIN						919			900			900		
GOVERNMENT SUPPORT						850			1000			1000		
Total						10301			10714			10874		

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	482.0	27.1	16.7	17.6	29.8	11.5	26.0	35.8	17.9	18.2	157.5	840.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	482.0	27.1	16.7	17.6	29.8	11.5	26.0	35.8	17.9	18.2	157.5	840.2
Initial Spares												
Total Proc Cost	482.0	27.1	16.7	17.6	29.8	11.5	26.0	35.8	17.9	18.2	157.5	840.2
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, reduce the number of personnel required, 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:

FY03 procures hardware quantities for the Integrated Monitoring Power Control Subsystem (IMPCS) program. FY03 also funds annualized engineering, matrix, system integration, post production software support, and fielding support of current and prior year procurements.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: DSCS - OPERATIONS CONTROL SYS (DOCS) (SPACE) (BB8509)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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:														
IMPCS									7010	39	180	3203	26	124
GSCCE									9170	4	2293			
CNPS Hardware									412	15	28			
SOFTWARE					4710				5491			1256		
ECPs					5160				139			61		
Government Engineering					2179				2368			1575		
Contractor Engineering					1356				1376			1190		
System Integration					2771				2170			1764		
Documentation					306				33			105		
Fielding					200				542			1094		
PM Admin					872				1129			1258		
Total														
						17554			29840			11506		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
IMPCS										
FY 2002	ITT Industries Colorado Springs, CO	C/FP (Opt)	CECOM	MAR 02	MAY 03	39	180	Yes		0
FY 2003	ITT Industries Colorado Springs, CO	C/FP (Opt)	CECOM	JAN 03	MAR 04	26	124	Yes		0
GSCCE										
FY 2002	Boeing Satellite Systems Los Angeles, CA	C/FP (Opt)	AIR FORCE	MAR 02	JUL 03	4	2293	Yes		0
CNPS Hardware										
FY 2002	TBS	C/FP	CECOM	MAR 02	JAN 03	15	28	Yes		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

P-1 Item Nomenclature
SHF TERM (BA9350)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	28.5	25.0	15.3	7.8	0.1	33.2	36.7	42.6	52.7	29.3		271.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	28.5	25.0	15.3	7.8	0.1	33.2	36.7	42.6	52.7	29.3		271.4
Initial Spares												
Total Proc Cost	28.5	25.0	15.3	7.8	0.1	33.2	36.7	42.6	52.7	29.3		271.4
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

On 27 June 2001 the Army sent Raytheon a notice of intent to Terminate for Default (T for D) the Tri-Band SHF Tactical Satellite Terminal (STAR-T) contract. PM MILSATCOM is currently embarking on a new procurement to satisfy the STAR-T ORD requirements. The SHF Terminal will provide multi-band capability in the Super High Frequency (SHF) range and will operate over commercial and military SHF satellites to include the Wideband Gapfiller Satellite (WGS) system which will greatly increase military throughput capabilities. The SHF Terminal will satisfy tactical highly mobile, command and control, intelligence, fire support, air defense and logistics traffic requirements in support of Army, Marine Corps, Special Operations Forces (SOF), and Joint Communications Support Elements (JCSE). The terminal will be integrated on the HMMWV or the Expanded Capacity Vehicle (ECV). The new procurement will incrementally achieve requirements via a "block" procurement approach, ultimately incorporating full tri-band (X, C, Ku), Ka Band, and switching capabilities. This program is designated as a DoD Space Program. This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

Justification:

FY03 procures 10 SHF Low Rate Initial Production (LRIP) tactical terminals and supports USARPAC C4 requirements. The SHF terminals are critical to meeting the Army commitment to support the Wideband Gapfiller Satellite (WGS) system synchronization requirements.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: SHF TERM (BA9350)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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										14441	10	1445
NRE											5982		
GFE					462						884		
Data											1028		
Contractor Support					2486						1853		
Government Engineering					1589			100			1084		
Government Program Management					2726						2521		
Test													
HW/SW Integration					581						865		
Fielding													
Engineering Support											1658		
USARPAC C4 Requirement											2850		
.													
Note:													
FY01 funding will be utilized to fund													
FY02 Internal costs.													
Total					7844			100			33166		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Hardware (Terminals): FY 2003	TBS	C/FP	CECOM	Nov 02	Apr 04	10	1445	Yes		Jul 02

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

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

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	77.8	2.9	6.5	16.9	12.6	2.6	5.2	3.4	0.6			
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	77.8	2.9	6.5	16.9	12.6	2.6	5.2	3.4	0.6			
Initial Spares												
Total Proc Cost	77.8	2.9	6.5	16.9	12.6	2.6	5.2	3.4	0.6			
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:

FY03 funding will field SPITFIRE prior year procurements and acquire upgraded modules and SOTM capability for the Army's transformation requirements.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: SAT TERM, EMUT (SPACE) (K77200)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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						9179	366	26						
Engineering Support												133		
Contractor Engineering						405			556			228		
Government Engineering						280			355			257		
Government Program Mgmt						383			410			210		
ECPS									8014			780		
Test						250			340					
Fielding						2794			2965			1033		
2nd IBCT						3650								
Total						16941			12640			2641		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Hardware FY 2001	Raytheon Sys Co. Largo, FL	SS/OPT	CECOM	Jan-01	Jul-01	366	26	YES		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	229.5	8.0	6.5	21.7	20.8	27.5	46.2	42.7	45.7	38.8		487.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	229.5	8.0	6.5	21.7	20.8	27.5	46.2	42.7	45.7	38.8		487.5
Initial Spares												
Total Proc Cost	229.5	8.0	6.5	21.7	20.8	27.5	46.2	42.7	45.7	38.8		487.5
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 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. GPS User Equipment consists of a family of receivers supporting both handheld and host platform environments. This is a Legacy-to-Objective system supporting all concepts of the Army Transformation Campaign Plan. 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. 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). Future GPS User Equipment will be in both handheld (Defense Advanced GPS Receiver) and platform embedded (GPS Receiver Applications Module) forms. 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.

Justification:

FY03 funding provides for the procurement of the DAGR, establishes a base contract for acquisition of the GRAM, continues to support the PLGR in the field via warranty extension, provides for engineering and technical support and Product Management Operations. The DAGR's procured in FY03 represent First Article Test units and fieldings to the 75th Ranger Regiment and the following platforms: FAAD C2, LOSAT, Bradley, MLRS, ATNAVIC, PROPHET, Profiler, TAIS, Firefinder, and ASAS.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE) (K47800)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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:													
1. GPS Receiver Application Module											6000	400	15
2. Precision Lightweight GPS Receiver					11999	8049	2	9948	4190	3			
3. Defense Advanced GPS Receiver											9684	1432	7
PLGR Software Upgrade					1084								
PLGR Warranty Extension								930			1180		
Engineering Support:													
Service Support Contracts					3335			3520			2816		
Government In-House					1480			1791			1490		
Integration Engineering					132			850			1245		
Test and Evaluation					200			794			2680		
Total Package Fielding					110			440			440		
Technical/Logistics Support					240			750			190		
Program Management Administration					1624			1783			1785		
Multiple Launch Rocket System (MLRS)					876								
Transformation Campaign Plan					600								
Total					21680			20806			27510		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
1. GPS Receiver Application Module FY 2003	TBS (GRAM) CECOM, Ft. Monmouth	FFP/ID/IQ	CECOM, FT. Monmouth	Mar 03	Jul 03	400	15	Yes		
2. Precision Lightweight GPS Receiver FY 2001	Rockwell International Cedar Rapids, IA	FFP/Opt	Warner Robins ALC, GA	May 01	Dec 01	8049	2	Yes		
FY 2002	Rockwell International Cedar Rapids, IA	FFP/Opt	Warner Robins ALC, GA	Apr 02	Nov 02	4190	3	Yes		
3. Defense Advanced GPS Receiver FY 2003	TBS (DAGR) Los Angeles AFB, CA	FFP/ID/IQ	Los Angeles AFB, CA	Dec 02	May 03	1432	7	Yes		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	105.3	55.5	0.9	31.6	21.7	24.5	31.6	35.1	20.1	11.7	25.6	363.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	105.3	55.5	0.9	31.6	21.7	24.5	31.6	35.1	20.1	11.7	25.6	363.6
Initial Spares	2.6	1.7		4.3	0.6	5.9	1.0	6.5		2.8		25.4
Total Proc Cost	107.9	57.3	0.9	35.9	22.3	30.4	32.7	41.6	20.1	14.5	25.6	389.1
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

SMART-T is a multi-channel satellite terminal required to support a Force Projection Army. It will provide range extension capability to the Army's Mobile Subscriber Equipment (MSE), a critical requirement to support combat operations. Specifically, SMART-T will provide a satellite interface to permit uninterrupted voice/data communications as our advancing forces move beyond the MSE Line of Sight capability. These terminals will improve the battlefield capability with respect to Command, Control, and Communications. SMART-T will provide connectivity between selected 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, and communicate with other service MILSTAR terminals. It will transmit in the Extremely High Frequency (EHF) band and will receive in Super High Frequency (SHF) band. The terminal will operate at both Medium Data Rate (MDR) and Low Data Rate (LDR). It will be capable of unattended operation. SMART-T will have the inherent capability of low probability of interception and low probability of detection (LPI/LPD) to avoid being targeted for destruction, jamming, or eavesdropping. SMART-T is interoperable with all other MILSTAR terminals and is interoperable with MILSTAR, Navy UHF Follow-on and any MIL-STD-1582C compatible payloads. In addition, the SMART-T terminals will be upgraded to support Advanced EHF (AEHF) satellites. The upgraded SMART-T supports communications on XDR Waveform, Backward Compatible LDR and MDR Waveforms, LDR and MDR Waveform on Milstar II satellites and LDR Waveform on Milstar I, 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:

FY03 procures 17 terminals and supports fielding, logistics, and training for prior year procurements.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: SMART-T (SPACE) (BC4002)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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 (Notes 1 & 3)					25480	49	520	10400	20	520	9282	17	546
Engineering Support								4077			6193		
Milstar Voice Conferencing Support					3800								
Data					70								
System Project Mgmt/Gov't (Note 2)					854			4683			4423		
System Test & Evaluation					801								
GFE					343			140			119		
Fielding					213			2404			4450		
.													
Notes:													
1. Contract Terminal Cost element													
includes 8 WHCA terminals in FY01.													
2. The FY99 DAMA termination funds have													
been utilized to fund a portion of FY01													
internal costs.													
3. Awaiting new cost proposal which													
may significantly increase unit costs.													
Total					31561			21704			24467		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
SMART-T										
FY 2001	Raytheon Largo, FL	SS/FP	CECOM	Mar 02	Sep 03	49	520	Yes		
FY 2002	Raytheon Largo, FL	SS/FP	CECOM	Mar 02	Mar 04	20	520			
FY 2003	Raytheon Largo, FL	SS/OPT	CECOM	Dec 02	Jun 04	17	546			

REMARKS: 1) No terminals procured in FY00 or FY01.
2) FY01 terminals to be procured in 2QFY02 after successful FOTE.
3) Awaiting new cost proposal which may significantly increase unit costs.

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

P-1 Item Nomenclature
SCAMP (SPACE) (BC4003)

Program Elements for Code B Items:

Code:
A

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	48.1	4.7	5.0	4.2	3.6	1.6	0.6					67.7
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	48.1	4.7	5.0	4.2	3.6	1.6	0.6					67.7
Initial Spares												
Total Proc Cost	48.1	4.7	5.0	4.2	3.6	1.6	0.6					67.7
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

The SCAMP BLK I Terminal will provide a manportable, four simultaneous channel, full duplex data/half duplex voice communications and data transfer system at 2400 bps each. These satellite terminals are to be employed by units that require range extension for command and control communications. Block I will provide priority tactical ground users with the capability to transmit and receive intelligence, command, and control traffic from a base station. It will transmit in the Extremely High Frequency (EHF) band and receive in the Super High Frequency (SHF) band. It will provide 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 will be fully interoperable within the Army C4I Technical Architecture. The terminal will have 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 will be required to operate in environmental conditions that include smoke, aerosol, rain, fog, snow, haze and dust, and must operate 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:

FY03 funds Contractor Technical Services Options, Warranty Review Board efforts, Joint Intersegment Interoperability Tests, Fielding Modifications, and completes fielding efforts.

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: SCAMP (SPACE) (BC4003)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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
Fielding MODs									500			443		
Engineering Support						716			100			178		
System Project Mgmt Gov't						769			682			238		
System Test						297			260			200		
Fielding						2408			2020			500		
Total						4190			3562			1559		

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

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

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	7.3	5.8	10.9	4.2	7.0	11.4	10.1	10.1	10.3	10.5		87.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	7.3	5.8	10.9	4.2	7.0	11.4	10.1	10.1	10.3	10.5		87.4
Initial Spares												
Total Proc Cost	7.3	5.8	10.9	4.2	7.0	11.4	10.1	10.1	10.3	10.5		87.4
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 Army supports the 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 Commander in Chief (CINC)/Commander Joint Task Force (CJTF) in-theater information to in-theater TGRS. The Army's Authorized Acquisition Objective is a total of three TIPs and 504 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:

FY03 procures 6 TGRS and a TIP which is designated for EUCOM. 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.

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: GLOBAL BRDCST SVC - GBS (BC4120)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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 Suites							2800	20	140	864	6	144	
Theater Injection Point (TIP)										5300	1	5300	
ECO					187								
GFE					32		165			225			
Government Engineering					1349		1540			1628			
Government Program Management					801		768			748			
Support Equipment					213		230			330			
Integration and Connectivity					134		132			130			
Test					1205		199			197			
Contractor Logistics Support					98		157			778			
Fielding					196		978			630			
Engineering Support										572			
Total					4215		6969			11402			

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Standard Receive Suites										
FY 2002	Raytheon Reston, VA	C/OPT	Hanscom AFB, MA	Mar 02	Jan 03	20	140	Yes		
FY 2003	Raytheon Reston, VA	C/OPT	Hanscom AFB, MA	Apr 03	Feb 04	6	144			
Theater Injection Point (TIP)										
FY 2003	ITT Colorado Springs, CO	C/OPT	Hanscom AFB, MA	Apr 03	Sep 04	1	5300	Yes		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

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

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost		6.9	0.5	1.5	2.5	11.0	11.5	9.5	10.4	10.4	2.1	66.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)		6.9	0.5	1.5	2.5	11.0	11.5	9.5	10.4	10.4	2.1	66.3
Initial Spares												
Total Proc Cost		6.9	0.5	1.5	2.5	11.0	11.5	9.5	10.4	10.4	2.1	66.3
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

This program will provide 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 Element 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:

FY03 procures 15 Secure Enroute Communications Package - Improved (SECOMP-I) LRIP systems. This system is a lightweight, highly compact, communications system which is designed to easily roll on and off aircraft and utilize existing radios. The 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).

INDIVIDUAL MODIFICATION

Date: February 2002

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

MODELS OF SYSTEM AFFECTED: Not Applicable

DESCRIPTION/JUSTIFICATION:

This program will provide 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.

FY03 funds will be used to procure 15 LRIP SECOMP-I's. 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 procure ten (10) limited capability SECOMP-I's to meet an urgent requirement. The full capability SECOMP-I program will begin in FY03 with an LRIP award of 15 systems.

Note: 1) There are no costs to install the system into aircraft. As a result, the "Installation Schedule" below is not required.

2) FY02 award leadtime is 2 months for the urgent requirement. FY03 leadtime is 7 months with the Government providing certain items as GFE. 12 month leadtime required for all buys after 03.

Installation Schedule:

Pr Yr	FY 2001				FY 2002				FY 2003				FY 2004				FY 2005			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Totals																				
Inputs																				
Outputs																				

	FY 2006				FY 2007				FY 2008				FY 2009				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 2002 01-18-02	FY 2003 12-15-02		FY 2004 06-01-04	
Delivery Date:	FY 2002 03-18-02	FY 2003 07-15-03		FY 2004 06-01-05	

INDIVIDUAL MODIFICATION

Date: February 2002

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

FINANCIAL PLAN: (\$ in Millions)

	FY 2000 and Prior		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Contract System Cost					10	2.5	15	8.1	23	9.6	22	7.9	24	8.8	25	8.8	5	1.2	124	46.9
System Project Mgmt-Gov't		3.6		1.3				2.0		1.5		1.1		1.1		1.1		0.7		12.4
Test and Evaluation				0.1				0.6		0.1		0.2		0.2		0.2		0.1		1.5
Fielding				0.1				0.3		0.3		0.3		0.3		0.3		0.1		1.7
Engineering Support		3.8																		3.8
.																				
Note: FY01 funding will be utilized to fund FY02 internal costs to maximize FY02 funding available to procure urgently required DA directed procurement. FY03 begins LRIP.																				
.																				
Installation of Hardware																				
FY 2000 & Prior Equip -- Kits																				
FY 2001 -- Kits																				
FY 2002 Equip -- Kits																				
FY 2003 Equip -- Kits																				
FY 2004 Equip -- Kits																				
FY 2005 Equip -- Kits																				
FY 2006 Equip -- Kits																				
FY 2007 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		7.4		1.5		2.5		11.0		11.5		9.5		10.4		10.4		2.1		66.3

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

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

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	84.5	20.4	13.2	10.3	12.8	21.1	32.8	31.7	31.0	29.1	216.7	503.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	84.5	20.4	13.2	10.3	12.8	21.1	32.8	31.7	31.0	29.1	216.7	503.6
Initial Spares												
Total Proc Cost	84.5	20.4	13.2	10.3	12.8	21.1	32.8	31.7	31.0	29.1	216.7	503.6
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 Defense Information Infrastructure Common Operating Environment (DII 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:

FY03 procures software support and technology insertion of previously fielded hardware at all Army managed worldwide command and control sites. Support and fielding is mandatory in order for the Army to remain in lockstep with GCCS milestones, and support the Army Battle Command System.

NOTE: This program received 14 million dollars under the Defense Emergency Relief Fund (DERF)

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: ARMY GLOBAL CMD & CONTROL SYS (AGCCS) (BA8250			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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					500	2	250	532	2	266	1150	5	230
LAN/WAN Servers					540	12	45	552	12	46	5312	83	64
Workstations/Laptops					685	137	5	555	111	5	2990	598	5
Bill of Material (BOM)					220			160			216		
Software Licenses					190			100			400		
S/W Support - Fielding (Lockheed-Martin)					4380			4027			6067		
Fielding (Wang/FCBS)					200								
First Digitized Division/Corps													
PMO Fielding Support					2150			1135			1950		
GCCS-A Training Support					990			1019			1065		
Engineering Software Support Center					350			350			350		
Central Test Support Facility (CTSF)					80			80			80		
Engineering Support											1569		
Congressional Add for Spitfire Radio P3I								4313					
Total					10285			12823			21149		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Enterprise Server										
FY 2000	General Dynamics Tauton, MA	IDIQ	CECOM	FEB 00	JUN 00	4	243	Yes		
FY 2001	General Dynamics Taunton, MA	IDIQ	CECOM	FEB 01	JUN 01	2	250	Yes		
FY 2002	General Dynamics Taunton, MA	IDIQ	CECOM	FEB 02	JUN 02	2	266	Yes		
FY 2003	General Dynamics Tauton, MA	IDIQ	CECOM	FEB 03	JUN 03	5	230	Yes		
LAN/WAN Servers										
FY 2000	General Dynamics Tauton, MA	IDIQ	CECOM	FEB 00	JUN 00	53	44	Yes		
FY 2001	General Dynamics Tauton, MA	IDIQ	CECOM	FEB 01	JUN 01	12	45	Yes		
FY 2002	General Dynamics Taunton, 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		
Workstations/Laptops										
FY 2000	Telos Ashburn, VA	IDIQ	GSA, KANSAS CITY	FEB 00	JUN 00	163	5	Yes		
FY 2001	Telos Ashburn, VA	IDIQ	GSA, KANSAS CITY	FEB 01	JUN 01	137	5	Yes		
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		

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

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty											Continuing	Continuing
Gross Cost	589.4	47.6	53.0	80.8	63.8	74.8	95.4	117.8	119.6	120.0		
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)	589.4	47.6	53.0	80.8	63.8	74.8	95.4	117.8	119.6	120.0	Continuing	Continuing
Initial Spares	15.4		0.8	0.6								16.8
Total Proc Cost	604.8	47.6	53.8	81.4	63.8	74.8	95.4	117.8	119.6	120.0	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 and is a common system for the Army, Air Force, Navy and Marine Corps warfighters. EPLRS is a primary enabler for network centric warfare. 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. Additional test equipment is needed to produce and field the enhanced Data Radio. EPLRS includes the approved Net Control Station (NCS) downsizing initiative and EPLRS Net Manager (ENM). This initiative further downsizes and replaces the NCS-EPLRS (Downsized) and seeks to generate savings through Operation and Support (O&S) costs and personnel reduction. These systems support the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

Justification:

EPLRS: FY03 procures 1,300 EPLRS Radio Sets (RSs) and continues the fielding of prior year hardware procurements to the 3rd Army Transformation Brigade, 1st Cavalry Division and 82nd Airborne, 1-204 Air Defense Artillery (ADA) Battalion (BN), and 1-200 ADA BN. FY03 funding will also provide New Equipment Training (NET), kit procurement, integration, Engineering Change Orders (ECOs), life cycle software engineering and program management support. FY 03 funding continues procurement of NTDR Tactical Operations Center (TOC) radios.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: ARMY DATA DISTRIBUTION SYSTEM (DATA RADIO) (BU1400)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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
Enhanced Position Location Reporting System (EPLRS)														
*														
EPUU RT					32674	1130	28.915	27735	988	28.072	34685	1300	26.681	
ENM					210	6	35.000	873	36	24.250	490	22	22.273	
Other Hardware					7064			7527			9020			
Government Engineering					6152			7233			5626			
Engineering Change Orders (ECOs)								912			2225			
Integration/ Upgrades (1), (2)					14421			3353			1425			
Life Cycle Software Engineering					1257			1200			2202			
Tooling, Test Equipment/ Non-Recurring					1649			464			1065			
Project Management Administration					3691			4339			3375			
Total Package Fielding					2061			5703			6480			
Engineering Support											3742			
2nd IBCT					11652									
Tactical Operations Center Data Radio								4500	124	36.290	4500	124	36.290	
*														
Remarks:														
ENM - EPLRS Net Manager														
EPUU - EPLRS User Unit														
RT - Receiver Transmitter														
TOC - Tactical Operations Center														
124 TOC Data Radios are procured each year in FY02 and FY03.														
Total					80831			63839			74835			

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
EPUURT										
FY 2001	Raytheon Systems Co Forest, MS	SS/FFP	CECOM	Apr-01	Feb-03	1130	28.915	Yes		
FY 2002	Raytheon Systems Co II Forest, MS	SS/FFP	CECOM	Jul-02	Nov-03	988	28.072	Yes		
FY 2003	Raytheon Systems Co II Forest, MS	SS/FFP	CECOM	Feb-03	Jun-04	1300	26.681	Yes		

REMARKS: CECOM - Communications Electronics Command

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

P-1 Item Nomenclature
SINCGARS FAMILY (BW0006)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	2981.4	56.1	32.7	51.9	20.5	30.1	18.5	20.2	9.2			3220.7
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)	2981.4	56.1	32.7	51.9	20.5	30.1	18.5	20.2	9.2			3220.7
Initial Spares	16.0											16.0
Total Proc Cost	2997.4	56.1	32.7	51.9	20.5	30.1	18.5	20.2	9.2			3236.7
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. Funding through FY 2006 buys 243,118 of the total requirement of 251,728 radios (96.6%). This system supports the legacy transition path of the Transformation Campaign Plan (TCP).

Justification:

FY03 procures and fields ground ASIP radios for fielding to the Brigade Combat Teams (BCT) and procurement of SINCGARS Test Sets (AN/GRM-122).

This program was provided a supplemental fund called Defense Emergency Response Fund (DERF), as a non-add, for the following fiscal years: FY03 \$22.1M; FY04 \$31.8M; FY05 \$33.4M; FY06 \$12.6M; FY07 \$13.7M

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

P-1 Item Nomenclature
SINCGARS - GROUND (B00500)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	2618.8	56.1	32.7	40.7	13.9	30.1	18.5	20.2	9.2			2840.3
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)	2618.8	56.1	32.7	40.7	13.9	30.1	18.5	20.2	9.2			2840.3
Initial Spares	15.0											15.0
Total Proc Cost	2633.9	56.1	32.7	40.7	13.9	30.1	18.5	20.2	9.2			2855.3
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 233,870 radios (96.4%) of the 242,480 Army Acquisition Objective. This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

Justification:

FY03 procures and fields ground ASIP radios for high priority National Guard units, Brigade Combat Teams (BCT), and procures SINCGARS Test Sets (AN/GRM-122).

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: SINCGARS - GROUND (B00500)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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					18170	2500	8	5676	500	12	15855	1650	10
CONTRACTOR ENG'G SUPPORT					4679			1201			2340		
Engineer Change Proposals													
GOVERNMENT ENGINEERING					1316			1344			1525		
PROJECT MANAGEMENT ADMIN					1440			1002			1145		
ENGINEERING SUPPORT					1625			1034			1507		
OTHER HARDWARE					7565			3311			7049		
TEST					509			110					
FIELDING													
NEW EQUIPMENT TRAINING					400			143			248		
Total Package Fielding					4272			75			472		
2nd IBCT					732								
Total					40708			13896			30141		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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

Weapon System Type:

P-1 Line Item Nomenclature:
SINGGARS - 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
HARDWARE - PRIMARY										
FY 2001	ITT Ft. Wayne, IN	SS/FP/OP	CECOM	Apr 01	Apr 02	2500	8	Y		
FY 2002	ITT Ft. Wayne, IN	SS/FP/OP	CECOM	Apr 02	Apr 03	500	12	Y		
FY 2003	ITT Ft. Wayne, IN	SS/FP	CECOM	Feb 03	Feb 04	1650	10	Y		

REMARKS:

FY 99 / 00 BUDGET PRODUCTION SCHEDULE

P-1 Item Nomenclature:
SINCGARS - GROUND (B00500)

Date:
February 2002

COST ELEMENTS	MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Fiscal Year 99												Fiscal Year 00												L A T E R	
							Calendar Year 99												Calendar Year 00													
							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 98 & PR	A	54371	54371	0																						0				
	1	FY 98 & PR	A	152694	89252	63442				1003	2300	2149	2289	2740	2740	2740	2740	2740	2740	2740	2740	2740	2740	2940	2941	2941	2935	2935	2935	2935	2935	7544
	1	FY 99	A	6092	0	6092																							6092			
	1	FY 00	A	959	0	959																							959			
	1	FY 01	A	2500	0	2500																							2500			
	1	FY 02	A	500	0	500																							500			
	1	FY 03	A	1650	0	1650																							1650			
	1	FY 98 & PR	AF	1985	1985	0																							0			
	2	FY 98 & PR	AF	178	178	0																							0			
	1	FY 98 & PR	AR	3000	3000	0																							0			
	1	FY 98 & PR	MC	29346	25045	4301				100	200	460	460	460	460	460	460	460	460	166									155			
	1	FY 98 & PR	NA	1782	1770	12																							12			
	2	FY 98 & PR	NA	374	374	0																							0			
	1	FY 99	NA	785	0	785																							785			
	1	FY 98 & PR	NG	8932	8932	0																							0			
	1	FY 99	NG	264	0	264																							264			
	1	FY 00	NG	966	0	966																							966			
	2	FY 98 & PR	OTH	17	17	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	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			
1	ITT, Ft. Wayne, IN					REORDER	2	6	12	18	
2	GDLS, Tallahassee, FL	550.00	1375.00	1790.00	0	INITIAL	2	6	12	18	
2	GDLS, Tallahassee, FL					REORDER	2	6	12	18	
						INITIAL					
						REORDER					
						INITIAL					
						REORDER					
						INITIAL					
						REORDER					

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

P-1 Item Nomenclature
SINCGARS - AIRBORNE (J30500)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	254.3		0.0	11.2	6.6							272.2
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)	254.3		0.0	11.2	6.6							272.2
Initial Spares	0.9											0.9
Total Proc Cost	255.2		0.0	11.2	6.6							273.1
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. This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

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: SINCGARS - AIRBORNE (J30500)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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					9674	402	25	5322	224	24			
GOVERNMENT ENGINEERING					376			374					
DATA					310								
PROJECT MANAGEMENT ADMIN					250			275					
FIELDING					181			101					
ENGINEERING SUPPORT					419			560					
Total					11210			6632					

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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 2001	ITT Ft. Wayne, IN	SS/FP/OP	CECOM	APR 01	DEC 02	402	25			
FY 2002	ITT Ft. Wayne, IN	SS/FP/OP	CECOM	APR 02	APR 03	224	24			

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

P-1 Item Nomenclature
TRACTOR CAGE (BC3000)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost					1.9	4.1	4.8	5.3	5.4	4.0		25.4
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)					1.9	4.1	4.8	5.3	5.4	4.0		25.4
Initial Spares												
Total Proc Cost					1.9	4.1	4.8	5.3	5.4	4.0		25.4
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

Classified Program: Information provided upon request.

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

P-1 Item Nomenclature
JOINT TACTICAL AREA COMMAND SYSTEMS (BA1010)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	563.4	9.8	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9		580.5
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)	563.4	9.8	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9		580.5
Initial Spares												
Total Proc Cost	563.4	9.8	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9		580.5
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

This line was shared with PM WIN-T. Effective FY00, allotment belongs to CECOM only. This line 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 Comm Sys Control Element (CSCE) & Network Planning Term (NPT) provide critical management functions for the tactical to strategic communications links thru control & management of switching & radio networks. Radio Sets, AN/GRC-222 & AN/GRC-226 provide the necessary bandwidth to transmit voice & digital info. Quick Erect Ant Mast (QEAM) allows rapid setup/tear down & movement on the tactical battlefield. This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

Justification:

CECOM/JTACS System Branch Allocation - FY 03 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 2002

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

P-1 Item Nomenclature
ACUS MOD PROGRAM (BB1600)

Program Elements for Code B Items:

Code:
A

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	447.0	137.9	145.3	199.9	152.7	75.9	123.0	74.3	77.2	65.9		1499.0
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)	447.0	137.9	145.3	199.9	152.7	75.9	123.0	74.3	77.2	65.9		1499.0
Initial Spares												
Total Proc Cost	447.0	137.9	145.3	199.9	152.7	75.9	123.0	74.3	77.2	65.9		1499.0
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 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 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 increased transmission pipes between switches to move voice, video, and data on the digitized battlefield 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 Vehicles (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 internetworking of video terminals; Brigade Subscriber Node (BSN) which is an integrated switching/transmission shelter providing voice/data/video capabilities for the Interim Brigade Combat Team (IBCT); and Information Assurance (IA) enhancements which provide for perimeter security protection and defense-in-depth management. The ACUS Mod program supports downsizing ACUS legacy systems via the Single Shelter Switch (SSS) and High Mobility Digital Group Multiplexer Assemblage (HMDA) systems. ACUS Mod also supports the secure digital facsimile program. Spares and training devices support the above mentioned upgrades.

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

Exhibit P-40C, Budget Item Justification Sheet

Date:

February 2002

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::

FY03 procures Army recapitalization efforts through the ACUS MP and provides systems engineering, integration, testing, and the necessary production/contractor engineering support, and initiates the non-recurring engineering effort for the 8Mbps data enhancement program. 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 Above Corps Mobile Subscriber Equipment (ECB MSE). The Army will recapitalize 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.) FY03 will support the Army's Transformation Initiatives by inserting new technologies [e.g., Brigade Subscriber Node (BSN), Battlefield Video TeleConferencing (BVTC), Secure Wireless LAN (SWLAN), and Network Operations Center-Vehicle (NOC-V)] into the Army's Interim Brigade Combat Teams (IBCTs) and III Corps.

INDIVIDUAL MODIFICATION

Date: February 2002

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 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 [e.g., Brigade Subscriber Node (BSN), battlefield Video Teleconferencing (BVTC), Secure Wireless LAN (SWLAN), and Network Operations Center-Vehicle (NOC-V)] into the Army's Interim Brigade Combat Teams (IBCTs) and III Corps.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Installation Schedule:

Pr Yr	FY 2001				FY 2002				FY 2003				FY 2004				FY 2005			
	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	3	3			3				1				5				4			
Outputs	1	1			1				1	2			1	1	1		1	0	0	

	FY 2006				FY 2007				FY 2008				FY 2009				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs		4			4				4								32	63
Outputs	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	36	63

METHOD OF IMPLEMENTATION:	OPTIONS	ADMINISTRATIVE LEADTIME:	0 Months	PRODUCTION LEADTIME:	24 Months
Contract Dates:	FY 2002 JAN02	FY 2003 JAN03		FY 2004 JAN04	
Delivery Date:	FY 2002 JAN04	FY 2003 JAN05		FY 2004 JAN06	

INDIVIDUAL MODIFICATION

Date: February 2002

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

FINANCIAL PLAN: (\$ in Millions)

	FY 2000 and Prior		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	RDT&E																			
Procurement																				
Kit Quantity																				
Installation Support		4.3		13.7		11.5		4.9		10.7		6.0		6.4		6.0				63.5
Installation Kits, Nonrecurring																				
Equipment		585.1		104.0		87.6		37.4		81.3		45.4		48.9		45.7				1035.4
Equipment, Nonrecurring		82.7		4.0		13.5		8.9		1.4		2.8		0.9						114.2
Engineering Change Orders		1.6		2.8		2.3		1.0		2.1		1.2		1.3		1.2				13.5
Data		0.3																		0.3
Training Equipment		5.3		6.9		1.2		1.0		2.0										16.4
Proj Mgmt Admin/Other		43.8		23.2		22.8		10.7		10.8		9.8		9.9		5.8				136.8
Other-Spares		7.0		16.4		13.8		5.9		12.8		7.2		7.7		7.2				78.0
IBCT2				28.9																28.9
Engineering Support								6.1		1.9		1.9		2.1						12.0
Installation of Hardware																				
FY 2000 & Prior Equip -- Kits																				
FY 2001 -- Kits																				
FY 2002 Equip -- Kits																				
FY 2003 Equip -- Kits																				
FY 2004 Equip -- Kits																				
FY 2005 Equip -- Kits																				
FY 2006 Equip -- Kits																				
FY 2007 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		730.1		199.9		152.7		75.9		123.0		74.3		77.2		65.9		0.0		1499.0

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

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

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	160.5	2.1	4.1	7.0	7.2	12.9	11.1	11.3	11.5	12.3		240.1
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)	160.5	2.1	4.1	7.0	7.2	12.9	11.1	11.3	11.5	12.3		240.1
Initial Spares												
Total Proc Cost	160.5	2.1	4.1	7.0	7.2	12.9	11.1	11.3	11.5	12.3		240.1
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

This line is required to fund the fielding costs associated with a variety of Communications-Electronics (C-E) systems and efforts not identifiable to a current major system hardwareline. Fielding costs include Total Package Fielding (TPF), New Equipment Training (NET) and First Destination Transportation(FDT). TPF efforts include validation of the Material Requirements List(MRL) depot staging costs, deprocessing, inventory, installation and handoff of all required equipment and material to gaining units. The funding shown for NET is to train the instructor and key personnel who then train the users in the field in the operation and maintenance of CECOM managed equipment. FDT costs are those associated with the shipping of various C-E equipment from the contractor to the depot.

Justification:

The primary efforts to be funded in FY03 are TPF/NET for C-E equipment requirements for the conversion of selected units. These conversions are restructured IAW a downsized force structure. These funds will ensure that critical round out signal units are equipped for the Mobile Digitized Battlefield with a Go-To-War system. Procurement of C-E equipment upgrades as demonstrated in Task Force XXI spiral development into First Digitized Corps. These upgrades will modify the current Mobile Subscriber Equipment (MSE) equipment to complement the Warfighter Information Network - Tactical (WIN-T) requirements.
Legacy transition path of the Transformation Campaign Plan (TCP).

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: COMMS-ELEC EQUIP FIELDING (BA5210)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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						1000			2476			1800		
CONTRACT SUPPORT						6000			4681			11124		
Total						7000			7157			12924		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
HARDWARE										
CONTRACT SUPPORT										
FY 2001	Lear Siegler Herndon, VA	SVCS	FORT MONMOUTH,NJ	9/00	5/01					
FY 2001	Ctl Texas Vet Health Ctr Temple, TX	HARDWARE	FORT MONMOUTH,NJ	UNK	UNK					
FY 2001	GSA Washington, DC	SVCS	FORT MONMOUTH,NJ	UNK	UNK					
FY 2001	Harris FL	HARDWARE	FORT MONMOUTH,NJ	UNK	UNK					
FY 2001	EDS Herndon, VA	SVCS	FORT MONMOUTH, NJ	UNK	UNK					
FY 2001	EPS Shrewsbury, NJ	SVCS	FORT MONMOUTH,NJ	9/00	10/00					
FY 2001	TYAD Tobyhanna, PA	HARDWARE	TOBYHANNA, PA	UNK	UNK					
FY 2001	National Guard West Orange, NJ	HARDWARE	FORT MONMOUTH,NJ	UNK	UNK					
FY 2001	General Dynamics Fort Monmouth, NJ	HARDWARE	FORT MONMOUTH,NJ	UNK	UNK					
FY 2001	Tecom-Vinnell Fort Monmouth, NJ	HARDWARE	FORT MONMOUTH,NJ	UNK	UNK					
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					

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

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

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	1.0	4.5	3.6	19.5	5.1	6.1	8.2	8.2	8.5	8.5		
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)	1.0	4.5	3.6	19.5	5.1	6.1	8.2	8.2	8.5	8.5	Continuing	Continuing
Initial Spares												
Total Proc Cost	1.0	4.5	3.6	19.5	5.1	6.1	8.2	8.2	8.5	8.5	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 FY03 funding procures 1336 Individual Soldier Intercoms and begins the procurement of the Integrated Laser White Light Pointer with a quantity of 2759. (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.

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: SOLDIER ENHANCEMENT PROGRAM COMM/ELECTRONICS (BA5300)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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 - SI													
SI - Individual	A				2970	5586	0.532	4059	7630	0.532	711	1336	0.532
SI - Platoon Support Package	A				179	379	0.472	134	283	0.473	23	48	0.479
SI - Company Support Package	A				103	71	1.451	145	100	1.450	23	16	1.438
Command Assessment	A				1279			758					
Hardware - OCCS													
Observer Controller Communications Syste	A				15000	1	15000.000						
Hardware - ILWLP													
Integrated Laser White Light Pointer	A										3671	2759	1.331
Non-Recurring Production Costs - ILWLP													
Production Engineering	A										1072		
Recurring Production Costs - ILWLP													
Program Management	A										147		
Quality Assurance											60		
Acceptance Testing											16		
Engineering Support	A										68		
Integrated Logistics Support	A										68		
Safety	A										30		
Engineering Changes	A										146		
Fielding	A										79		
Total					19531			5096			6114		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
SI - Individual										
FY 2000	ICOM America, Inc Bellevue, WA	GSA Sch	SBCCOM	Dec 99	Jan 00	6533	1	Yes		
FY 2001	ICOM America, Inc Bellevue, WA	GSA Sch	SBCCOM	Dec 00	Jan 01	5586	1	Yes		
FY 2002	ICOM America, Inc Bellevue, WA	GSA Sch	SBCCOM	Dec 01	Jan 02	7630	1	Yes		
FY 2003	ICOM America, Inc Bellevue, WA	GSA Sch	SBCCOM	Dec 02	Jan 03	1336	1	Yes		
SI - Platoon Support Package										
FY 2000	ICOM America, Inc Bellevue, WA	GSA Sch	SBCCOM	Dec 99	Jan 00	302	1	Yes		
FY 2001	ICOM America, Inc Bellevue, WA	GSA Sch	SBCCOM	Dec 00	Jan 01	379	1	Yes		
FY 2002	ICOM America, Inc Bellevue, WA	GSA Sch	SBCCOM	Dec 01	Jan 02	283	1	Yes		
FY 2003	ICOM America, Inc Bellevue, WA	GSA Sch	SBCCOM	Dec 02	Jan 03	48	1	Yes		
SI - Company Support Package										
FY 2000	ICOM America, Inc Bellevue, WA	GSA Sch	SBCCOM	Dec 99	Jan 00	84	1	Yes		
FY 2001	ICOM America, Inc Bellevue, WA	GSA Sch	SBCCOM	Dec 00	Jan 01	71	2	Yes		
FY 2002	ICOM America, Inc Bellevue, WA	GSA Sch	SBCCOM	Dec 01	Jan 02	100	2	Yes		
FY 2003	ICOM America, Inc Bellevue, WA	GSA Sch	SBCCOM	Dec 02	Jan 03	16	2	Yes		

REMARKS:

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Observer Controller Communications System FY 2001	SAIC San Diego, CA	FFP	NAWC	Jun 01	Oct 02	1	15000	Yes		Mar 01
Integrated Laser White Light Pointer FY 2003	TBD	FFP	CECOM	Sep 03	Jun 04	2759	2	No	Aug 01	Dec 01

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty					835	1186	1380	1678	1500	1562		8141
Gross Cost	0.5	0.9			12.6	16.9	16.1	19.8	17.0	17.3		101.1
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)	0.5	0.9			12.6	16.9	16.1	19.8	17.0	17.3		101.1
Initial Spares												
Total Proc Cost	0.5	0.9			12.6	16.9	16.1	19.8	17.0	17.3		101.1
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 third quarter FY03.

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

Justification:

FY03 funding continues LRIP procurement and starts fielding to Force Package I SOF units.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: COMBAT SURVIVOR EVADER LOCATOR (CSEL) (B03200)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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	835	13	14070	1186	12	
Engineering Change Orders							227			255			
Engineering Support							631			844			
System Project Management							785			773			
Government Engineering							207			279			
Test							300			150			
Fielding													
New Equipment Training							30			308			
Total Package Fielding										200			
Total							12622			16879			

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: COMBAT SURVIVOR EVADER LOCATOR (CSEL) (B03200)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Hardware										
FY 2002	Boeing, North America Anaheim, CA	SS/OPT	USAF	Jan 02	Nov 02	835	13	Y		
FY 2003	Boeing, North America Anaheim, CA	SS/OPT	USAF	Feb 03	Oct 03	1186	12			

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost		7.0	15.7	1.6	7.6	5.0	7.2	12.6	13.2	10.9		81.0
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)		7.0	15.7	1.6	7.6	5.0	7.2	12.6	13.2	10.9		81.0
Initial Spares												
Total Proc Cost		7.0	15.7	1.6	7.6	5.0	7.2	12.6	13.2	10.9		81.0
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

Medical Communication for Combat Casualty Care (MC4) is a capstone program which provides support to the 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. MC4 engineers, acquires 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:

FY03 continues to acquire and deploy hardware infrastructure to support TMIP implementation for a portion of the First Digitized Corps (FDC) at Ft. Hood, TX and one of the Army Transformation Interim Brigade Combat Teams (IBCTs). MC4 acquires, deploys and integrates automation infrastructure for Army users of the Joint Theater Medical Information Program (TMIP), to include specified warfighting Commanders in Chief (CINCs).

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: MEDICAL COMM FOR CBT CASUALTY CARE (MC4) (MA8046)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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, Personal Information Carriers (PIC), Routers, servers, and printers Engineer, Furnish, Install & Test +++++	A				961			2866			975		
Division/Corps Support Slice and IBCT Hardware consisting of: Pentium-based desktop workstations and Pentium-based laptops, wireless LAN and equipment, hand-held radios, routers and servers Engineer, Furnish, Install & Test	A				647			4778			4000		
Total					1608			7644			4975		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Digitized Combat Support Hospital										
FY 2001	Panasonic Manassas, VA	C/FP	CAC-W	Dec-00	Jan-01			YES		
FY 2001	Hewlett Packard Palo Alto, CA	C/FP	CAC-W	Dec-00	Jan-01			YES		
FY 2001	HARDIGG South Deerfield, MA	C/FP	CAC-W	Dec-00	Jan-01			YES		
FY 2002	TBS	C/FP	CAC-W	TBD	TBD			YES		
FY 2003	TBS	C/FP	CAC-W	TBD	TBD			YES		
Division/Corps Support Slice and IBCT										
FY 2001	Panasonic Manassas, VA	C/FP	CAC-W	Dec-00	Jan-01			YES		
FY 2001	Hewlett Packard Palo Alto, CA	C/FP	CAC-W	Dec-00	Jan-01			YES		
FY 2001	HARDIGG South Deerfield, MA	C/FP	CAC-W	Dec-00	Jan-01			YES		
FY 2001	Palm, Inc Santa Clara, CA	C/FP	CAC-W	Apr-01	May-01			YES		
FY 2002	TBS	C/FP	CAC-W	TBD	TBD			YES		
FY 2003	TBS	C/FP	CAC-W	TBD	TBD			YES		

REMARKS: CAC-W - Communication and Electronics Command (CECOM) Acquisition Center - Washington
GSA - General Services Administration

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

P-1 Item Nomenclature
CI AUTOMATION ARCHITECTURE (BK5284)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	4.7	2.3	1.6	1.2	1.6	1.8	1.3	1.3	1.3	1.4		18.4
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)	4.7	2.3	1.6	1.2	1.6	1.8	1.3	1.3	1.3	1.4		18.4
Initial Spares												
Total Proc Cost	4.7	2.3	1.6	1.2	1.6	1.8	1.3	1.3	1.3	1.4		18.4
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

This program provides the Army with an advance global Automatic Data Processing (ADP) architecture and its inherent capabilities for Counter-intelligence (CI) support to DOD decision makers across the spectrum of conflict. Program resources efforts that enable CI assets to provide the deployed Land Component Commander with time-sensitive CI force protection support.

Justification:

FY03 funding is required to support the development and recapitalization of the Defense Counterintelligence Information System (DCIIS). Funds will procure 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 2002

Appropriation/Budget Activity/Serial No: Other Procurement, Army /2/Communications and Electronics Equipment
 P-1 Item Nomenclature: TSEC - ARMY KEY MGT SYS (AKMS) (BA1201)

Program Elements for Code B Items: 0303140A
 Code: A
 Other Related Program Elements: Z16800 Battlefield Electronics Communications System (BECS)

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	19.5	10.2	11.0	10.9	12.1	10.2	3.8	3.9	4.1	4.2		89.9
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)	19.5	10.2	11.0	10.9	12.1	10.2	3.8	3.9	4.1	4.2		89.9
Initial Spares												
Total Proc Cost	19.5	10.2	11.0	10.9	12.1	10.2	3.8	3.9	4.1	4.2		89.9
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. Milestone III was conducted in June 1999. LCMS fieldings end in FY02 and ACES fieldings begin in FY02. The Data Transfer Device (DTD) is an upgrade to existing COMSEC fill devices. 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 Legacy transition path of the Transformation Campaign Plan (TCP).

Justification:

FY03 procures Data Transfer Devices (DTDs), continues the fielding of the new workstations and provides for the associated government and contractor engineering support, training and fielding. The DTD is fielded with the SINCGARS radio and to other non SINCGARS users.

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: TSEC - ARMY KEY MGT SYS (AKMS) (BA1201)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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
Data Transfer Device/Mission Data Loader						966	808	1.196						
Data Transfer Device Host									4751	4431	1.072	4298	3931	1.093
Data Transfer Device Card									2373	4431	0.536	2148	3931	0.546
Gov't Engineering						919			887			900		
Contractor Engineering						1102			725			739		
Fielding/NET Legacy Systems						5441			2160			1400		
Software Upgrade						2440			713			665		
Test									500					
Total						10868			12109			10150		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Data Transfer Device/Mission Data Loader FY 2001	TRW INC CARSON, CA	S/FFI	CECOM	May-01	Jul-01	808	1.196	Yes		
Data Transfer Device Host FY 2002	TBS	C/FFP	CECOM	Mar-02	TBD	4431	1.072	Yes		
FY 2003	TBS	OPT/FFP	CECOM	Mar-03	TBD	3931	1.093	Yes		
Data Transfer Device Card FY 2002	TBS	C/FFP	NSA	Mar-02	TBD	4431	0.536	Yes		
FY 2003	TBS	OPT/FFP	NSA	Mar-03	TBD	3931	0.546	Yes		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	122.8	34.1	48.6	78.4	52.3	39.1	37.0	40.3	39.8	57.2		549.6
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)	122.8	34.1	48.6	78.4	52.3	39.1	37.0	40.3	39.8	57.2		549.6
Initial Spares												
Total Proc Cost	122.8	34.1	48.6	78.4	52.3	39.1	37.0	40.3	39.8	57.2		549.6
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

Funds the Army's Information Systems Security (INFOSEC) Program (ISSP). Provides communication security, 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:

FY 03 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. KY-100 an Airborne Terminal (AIRTERM), Advanced Narrowband Digital Voice Terminal (ANDVT) that secures communications in tactical communications system and provides for secure transmission of voice and data over narrowband radio systems and additional capability for secure transmission over wideband systems. Key Management Infrastructure for managing Army's Public Key Infrastructure, automated Electronic Key, Communication Security (COMSEC) and INFOSEC material. Trunk Encryptors provide digital data encryption for large robust data connections. 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. Provides operational situational awareness of networks and systems. Maintains strict configuration management of the Army's perimeter defenses. Provides centralized capability to dynamically throttle services due to changes in risk posture. Implements Deputy Secretary of Defense memorandums and Department of Defense policy to develop an enterprise-wide Information Assurance security architecture overlay that employs technical solutions to the maximum extent possible to implement a defense-in-depth strategy. Defends against unauthorized modification or disclosure of data. Ensures that physical and logical enclaves are adequately protected. Provides a risk-managed means to selectively allow essential information to flow across enclave boundaries.

Exhibit P-40C, Budget Item Justification Sheet

Date:

February 2002

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:

New equipment training, first destination transportation, and consumable parts for total package fieldings.

This program was provided a supplemental fund called Defense Emergency Response Fund (DERF), as a non-add, for the following fiscal years with amounts: FY03 \$26.7M; FY04 \$17.4M; FY05 \$16.5M; FY06 \$18.6M; FY07 \$19.3

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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 ENCRYPTORS	A				1851	230	9				2156	265	9
IN-LINE ENCRYPTORS UPGRADE								3864					
LINK ENCRYPTORS	A				3000	826	4	3000	826	4	2000	500	4
SECURE TERMINAL EQUIPMENT	A				13552	3388	4	5480	1376	4	3000	750	4
SECURE TERMINAL EQUIPMENT HAND HELD	A										5716	2265	3
AIRTERM KY-100	A				4050	746	6	2066	359	6			
TRUNK ENCRYPTORS	A				4300	1074	5						
KEY MANAGEMENT INFRASTRUCTURE	A				2500								
TOP LEVEL ARCHITECTURE (SECURE)	A				711			5181	59	88	6471	75	87
FORCE DIGITIZATION	A				9500								
BIOMETRICS	A				12000			9000			12400		
FIELDING	A				2513			4248			4112		
PKI Smart Card Reader	A				5194	140388	1	3940	173806	1			
PKI Smart Card Reader Middleware	A				7792	177604	1	9212	173806	1			
PKI Smart Card Reader Installation	A				10301	177604	1	3476	173806	1			
PKI Smart Card Reader Training	A				1161			2872					
PKI Test Bed	A												
PKI DMS NT Workstation	A												
PKI Common Access Card (CAC)	A										3200		
----- DERF funding detailed on P-40 is not included on this form													
Total					78425			52339			39055		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
IN-LINE ENCRYPTORS										
FY 2001	GENERAL DYNAMICS NEEDHAM MA	IDIQ	NSA, FT MEADE, MD	JAN 01	JAN 02	230	9	YES		
FY 2003	GENERAL DYNAMICS NEEDHAM MA	IDIQ	NSA, FT MEADE, MD	JAN 03	JAN 04	265	9	YES		
LINK ENCRYPTORS										
FY 2001	MYKOTRONX, INC TORRANCE, CA	IDIQ	NSA, FT MEADE, MD	JAN 01	JAN 02	826	4	YES		
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	500	4	YES		
SECURE TERMINAL EQUIPMENT										
FY 2001	L3 CAMDEN, NJ	IDIQ	NSA, FT MEADE, MD	JAN 01	JAN 02	3388	4	YES		
FY 2002	L3 CAMDEN, NJ	IDIQ	NSA, FT MEADE, MD	JAN 02	JAN 03	1376	4	YES		
FY 2003	L3 CAMDEN, NJ	IDIQ	NSA, FT MEADE, MD	JAN 03	JAN 04	750	4	YES		
SECURE TERMINAL EQUIPMENT HAND HELD										
FY 2003	MOTOROLA DIV SCOTTSDALE, AZ	IDIQ	NSA, FT MEADE, MD	JAN 03	JAN 04	2265	3	YES		
AIRTERM KY-100										
FY 2001	ITT, FT Wayne, IN	IDIQ	NSA, FT MEADE, MD	APR 01	APR 02	746	6	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 2002

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 2002 TRUNK ENCRYPTORS	ITT, FT Wayne, IN	IDIQ	NSA, FT MEADE, MD	OCT 01	OCT 02	359	6	YES		
FY 2001	GROUP TECHNOLOGIES CORP TAMPA, FL	IDIQ	NSA, FT MEADE, MD	APR 01	OCT 01	1074	5	YES		

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

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	53.3	1.9	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1		71.6
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)	53.3	1.9	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1		71.6
Initial Spares												
Total Proc Cost	53.3	1.9	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1		71.6
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

This budget line supports the Department of Defense approved program to modernize and integrate digital operations within the Pacific and European Theaters. The architecture of the Defense Information Systems Network (DISN) will be reconfigured 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 DISN. The theater Commanders-in-Chief require a robust infrastructure that will facilitate mobilization and sustainment of a deployed force.

Justification:

FY03 procures on-going Project Management and engineering efforts for the Defense Information System Network-Europe (DISN-E). It accomplishes the Army unique requirements as defined by European Command (EUCOM) initiatives.

FY03 funding continues the Okinawa Microwave Upgrade to enhance the readiness of US Forces in the theater and provide the warfighters with a more robust, survivable and capable command, control, communication and computer infrastructure for the Pacific area deployments. The greatly increased bandwidth requirements in the Pacific have necessitated much needed improvements of the Transmission Systems. The existing equipment in Okinawa is approaching twenty years old and is not capable of interfacing with new Synchronous Optical Network (SONET) Technology nor is it upgradeable or supportable. Continued funding will rectify shortfalls in supportability, survivability, capacity, capabilities and the ability to reconstitute communications in the Pacific Theater.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: TERRESTRIAL TRANSMISSION (BU1900)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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						997			1006			1005		
TERRESTRIAL TRANSMISSION PACIFIC						994			1016			1035		
Total						1991			2022			2040		

Exhibit P-40, Budget Item Justification Sheet

Date: February 2002

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

P-1 Item Nomenclature
TERRESTRIAL TRANSMISSION (BU2000)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	19.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		28.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	19.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		28.2
Initial Spares												
Total Proc Cost	19.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		28.2
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

This budget line supports the Department of Defense approved program to modernize and integrate digital operations within the Pacific and European Theaters. The architecture of the Defense Information Systems Network (DISN) will be reconfigured 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 DISN. The theater Commanders-in-Chief 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 supports network that provides 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:

FY03 procures on-going Project Management and engineering efforts to accomplish the Army unique requirements as defined by European Command (EUCOM) initiatives. The objective for the Defense Information System Network (DISN)-Europe 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 ATM, SONET, bulk encryption and network management systems.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: TERRESTRIAL TRANSMISSION (BU2000)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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
EUROPE:														
Engineer, Furnish, Install & Test (EFI&T)						196			200			200		
Project Management						344			350			350		
Government/Contractor Engineering						457			456			455		
Total						997			1006			1005		

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	34.2	0.9	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1		43.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	34.2	0.9	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1		43.5
Initial Spares												
Total Proc Cost	34.2	0.9	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1		43.5
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

The goal of these programs is to; strategically improve the ability to successfully defend the Pacific Theater during periods of stress; increase survivability of command, control, communications, computers and intelligence (C4I) systems for the warfighter; increase information systems capacity to meet surge requirements, and improve the ability to reconstitute C4I systems. These programs also support command and control communications networks serving the Commander-in-Chief, US Forces, Korea, and Commander-in-Chief, US Forces, Japan, and United States Army Pacific Command (USAPAC). 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 such as Synchronous Optical Network (SONET), bulk encryption, Gigabit Ethernet and others.

Justification:

FY03 procures the Okinawa Digital Microwave Upgrade to enhance the readiness of US Forces in the theater and provide the warfighters with a more robust, survivable and capable command, control, communication and computer infrastructure for the Pacific area deployments. The greatly increased bandwidth requirements in the Pacific have necessitated much needed improvements of the Transmission Systems. The existing Microwave equipment in Okinawa is approaching twenty years old and is not capable of interfacing with new SONET Technology nor is it upgradeable or supportable. Continued funding will rectify shortfalls in supportability, survivability, capacity, capabilities and the ability to reconstitute communications in the Pacific Theater.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: TERRESTRIAL TRANSMISSION PACIFIC (BU2100)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
PACIFIC:													
Okinawa Digital Microwave													
EFI&T Phase 1	A				786			810					
EFI&T Phase 2	A										817		
EFI&T Phase 3	A										218		
Project Management	A				208			206					
Total					994			1016			1035		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Okinawa Digital Microwave										
EFI&T Phase 1										
FY 2001	Multiple Contractors/GSA	C/FP	CECOM	Mar-01	Jun-01		786			
EFI&T Phase 2										
FY 2002	Multiple Contractors/GSA	C/FP	CECOM	Mar-02	Jun-02		810			
EFI&T Phase 3										
FY 2003	Multiple Contractors/GSA	C/FP	CECOM	Jan-03	May-03		817			

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	162.7	3.5	3.5	4.7	13.0	36.7	47.8	41.8	36.0	34.8		384.6
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)	162.7	3.5	3.5	4.7	13.0	36.7	47.8	41.8	36.0	34.8		384.6
Initial Spares												
Total Proc Cost	162.7	3.5	3.5	4.7	13.0	36.7	47.8	41.8	36.0	34.8		384.6
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 US Army Signal Command (USASC). 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 USASC 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:

FY03 procures upgrades and replacement base support radio systems that are critical to public safety and force protection missions. FY03 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. FY03 also procures replacement TMDE, which include spectrum analyzers, transmission test sets, communication analyzers, data communications, 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 USASC units and will enable USASC to continue to meet the required 99.9% availability rate for all communication systems 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: BASE SUPPORT COMMUNICATIONS (BU4160)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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				1276			1500			1500		
Commercial Land Mobile Radio Systems and program management													
-US Forces Command	A				379								
-US Training and Doctrine Command	A				2660								
-Eighth United States Army	A				144								
-US Military Accademy (USMA)	A				200								
-Army Wide	A							11538			35225		
Includes 1400 FY02 Congressional plus up.													
Total					4659			13038			36725		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Test Measurement and Diagnostic Equipment (TMDE) Replacement/Quality Assurance TMDE										
FY 2001	Acterna, LLC Germantown, MD	C/FP	CECOM, Ft Huachuca, AZ	MAY 01	JUN 01			YES	NO	
FY 2001	Telecommunications Techniques Germantown, MD	C/FP	CECOM, Ft Huachuca, AZ	VAR	VAR			YES	NO	
FY 2001	Videotape Products Glendale, CA	C/FP	CECOM, Ft Huachuca, AZ	FEB 01	FEB 01			YES	NO	
FY 2001	Red River Computer Lebanon, NH	C/FP	CECOM, Ft Huachuca, AZ	JAN 01	FEB 01			YES	NO	
FY 2001	Agilent Technologies Englewood, CO	C/FP	CECOM, Ft Huachuca, AZ	JAN 01	JUN 01			YES	NO	
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 2003	TBS	C/FP	CECOM, Ft Huachuca, AZ	VAR	VAR			YES	NO	

REMARKS: All quantities and unit cost vary by configuration and site.
 CECOM - Communications-Electronics Command
 DOC - Director of Contracting
 GSA - General Services Administration
 PM DCATS - Project Manager, Defense Communications and Transmission Systems
 SMC - Systems Management Center
 USACCK - US Army Contracting Command Korea
 VAR - Multiple contracts awarded/delivered throughout the year.

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Commercial Land Mobile Radio Systems and program management										
-US Forces Command										
FY 2001	Motorola Hanover, MD	C/FP	GSA, Atlanta, GA	MAY 01	JUL 01			YES	NO	
FY 2001	Motorola Colorado Springs, CO	C/FP	GSA, Denver, CO	MAY 01	JUL 01			YES	NO	
-US Training and Doctrine Command										
FY 2001	CECOM SMC PM DCATS Ft. Monmouth, NJ	MIPR	TRADOC, Ft. Monroe, VA	MAY 01	JUL 01			YES	NO	
FY 2001	Motorola Hanover, MD	C/FP	CECOM, Ft. Monmouth, NJ	JUN 01	AUG 01			YES	NO	
-Eighth United States Army										
FY 2001	ENC Federal, Inc. Los Angeles, CA	C/FP	USACCK, Korea	JUL 01	SEP 01			YES	NO	
-US Military Accademy (USMA)										
FY 2001	Motorola Hanover, MD	C/FP	DOC, West Point, NY	MAR 01	MAR 03			YES	NO	
-Army Wide										
FY 2002	TBS	C/FP	PM DCATS, Ft. Monmouth, NJ	VAR	VAR			YES	NO	
FY 2003	TBS	C/FP	PM DCATS, Ft. Monmouth, NJ	VAR	VAR			YES	NO	

REMARKS: All quantities and unit cost vary by configuration and site.
 CECOM - Communications-Electronics Command
 DOC - Director of Contracting
 GSA - General Services Administration
 PM DCATS - Project Manager, Defense Communications and Transmission Systems
 SMC - Systems Management Center
 USACCK - US Army Contracting Command Korea
 VAR - Multiple contracts awarded/delivered throughout the year.

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

P-1 Item Nomenclature
ARMY DISN ROUTER (BU0300)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	52.1	3.5	3.7	4.2	4.9	6.0	6.1	6.3	6.4	6.6		99.9
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)	52.1	3.5	3.7	4.2	4.9	6.0	6.1	6.3	6.4	6.6		99.9
Initial Spares												
Total Proc Cost	52.1	3.5	3.7	4.2	4.9	6.0	6.1	6.3	6.4	6.6		99.9
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), maintenance and training. The ADRP equipment is also upgradable to satisfy future Army, DoD, and industry standards. The ADRP is an integral part of the Installation Information Infrastructure Modernization Program (I3MP) initiative. The objective of I3MP is to provide the required bandwidth for the total information requirements of each Army site now and into the future.

Justification:

FY-03 procures routers, switches, access servers, cache engines, port expansions and upgrades to existing switches and access servers to meet additional connections and program requirements.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: ARMY DISN ROUTER (BU0300)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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						3644			4341			5428		
Project Management Support						374			380			399		
Engineering Support						150			172			212		
Total						4168			4893			6039		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: ARMY DISN ROUTER (BU0300)					
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
ADRP Equipment										
FY 2001	Lockheed Martin Greenbelt, MD	C/FP	CECOM, FT MONMOUTH	FEB-01	VAR			YES		
FY 2002	Lockheed Martin Greenbelt, MD	C/FP	CECOM, FT MONMOUTH	FEB-02	VAR			YES		
FY 2003	Lockheed Martin Greenbelt, MD	C/FP	CECOM, FT MONMOUTH	FEB-03	VAR			YES		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	13.8	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5		17.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	13.8	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5		17.9
Initial Spares												
Total Proc Cost	13.8	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5		17.9
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 communications 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. They 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.

Justification:

The FY03 funds will procure state-of-the-art hardware and software that provides a capability to characterize today's electromagnetic environment. The ability to effectively pinpoint and influence interfering emitters and electromagnetic hazards during exercises and operations is largely dependent upon the cutting edge measurement instrumentation, analyzers, and computers scheduled to be purchased in FY02/03, which are tailored to the specific requirements of the EMC mission. Without advanced frequency engineering equipment, Army operations and training exercises are susceptible to corrupt communication signals, which can block the success of these missions and can lead to financial liability for emissions which interfere with other civil/defense systems in the area.

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	95.0	4.0	2.9	2.8	3.0	3.0	3.0	3.1	3.2	3.2		123.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	95.0	4.0	2.9	2.8	3.0	3.0	3.0	3.1	3.2	3.2		123.2
Initial Spares												
Total Proc Cost	95.0	4.0	2.9	2.8	3.0	3.0	3.0	3.1	3.2	3.2		123.2
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 power, timing and synchronization equipment, line conditioning equipment, 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 and digital circuits, and minimized 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 emerging 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 Commander-in-Chief (CINC) programs in Europe (DISN) and the Pacific as well as CONUS Power Projection Bases and Defense Satellite Communications Systems.

Justification:

FY03 procures equipment to continue 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 tech controls at Fort Detrick and Fort Belvoir, the upgrade of timing and synchronization systems and replacement of obsolete DC power systems.

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: WW TECH CON IMP PROG (WWTCIP) (BU3610)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Alternate Site Equipment					1307	1	1307	1800	1	1800			
Fort Detrick Equipment											2000	1	2000
EI&T Alternate Site					420			363					
EI&T Fort Detrick					78			100			550		
EI&T Fort Belvoir											211		
EFI&T Okinawa, Japan					788			477					
Program Management					225			235			230		
Total					2818			2975			2991		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Alternate Site Equipment										
FY 2001	Coronet Springfield, VA	C/FP(D.O)	CECOM	Jan-01	Apr-01	1	1307			
FY 2002	Coronet Springfield, VA	C/FP(D.O)	CECOM	Jan-02	Apr-02	1	1800			
Fort Detrick Equipment										
FY 2003	Coronet Springfield, VA	C/FP	CECOM	Jan-03	Apr-03	1	2000			

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	913.1	118.7	99.1	86.7	165.4	279.6	263.6	252.3	262.8	226.6		2667.9
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)	913.1	118.7	99.1	86.7	165.4	279.6	263.6	252.3	262.8	226.6		2667.9
Initial Spares												
Total Proc Cost	913.1	118.7	99.1	86.7	165.4	279.6	263.6	252.3	262.8	226.6		2667.9
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

This program consolidates funding for improvement/modernization of Information Systems worldwide. It encompasses nontactical telecommunications services in support of Army base operations and Information Systems for Command and Control (C2) requirements. Also, it funds acquisition of common user information systems in support of Military Construction, Army (MCA) projects and Distributed Training Technology (DTT) which provides classrooms not currently addressed in The Army Distance Learning Plan (TADLP).

Justification:

FY-03 procures the Information Systems (CONUS/Western Hemisphere) upgrades to the Army's installation information infrastructure. It includes the Digital Switched Systems Modernization Program (DSSMP), an integral part of the Installation Information Infrastructure Modernization Program (I3MP) initiative which supports the communications requirements of deployed forces and their access to home installation sustaining base systems. The DSSMP supports replacement of aging electromechanical switches with electronic digital switches to implement the Integrated Services Digital Network (ISDN) concept and insures compatibility with public networks. 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. The Information Systems-EUCOM program finances the procurement of hardware and software to replace aging communications equipment in an effort to streamline operations and maintenance costs, improve productivity and customer service and reduce circuit costs in Europe under the Defense Information Systems Network-Europe (DISN-E) program. The Information Systems-PACOM program continues the transition to the ISDN for the Pacific Theater, which will provide intra-base information transfer capability and common data transmission in the place of costly individual stovepipe and non-standard networks. The OCONUS Installation Information Infrastructure Modernization Program (I3MP) will create an infrastructure sufficiently flexible to meet ever increasing telecommunication requirements in both PACOM and EUCOM theaters.

This program was provided a supplemental fund called Defense Emergency Response Fund (DERF), as a non-add, for the following fiscal years with amounts: FY03 \$215M; FY04 \$199M; FY05 \$40M; FY06 \$20M; FY07 \$25M.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: INFORMATION SYSTEMS (BB8650)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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 Hemp)						56234			51309			49723		
Information Systems (EU COM)						24601			63408			179013		
Information Systems (PACOM)						879			45719			45765		
Information Systems (MCA Support)						4939			4964			5091		
----- DERF Funding detailed on P-40 is not included on this form														
Total						86653			165400			279592		

Exhibit P-40, Budget Item Justification Sheet

Date: February 2002

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

P-1 Item Nomenclature
INFORMATION SYSTEMS (MCA SUPPORT) (BB1400)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	55.2	8.6	5.1	4.9	5.0	5.1	5.4	5.5	5.6	5.8		106.3
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)	55.2	8.6	5.1	4.9	5.0	5.1	5.4	5.5	5.6	5.8		106.3
Initial Spares												
Total Proc Cost	55.2	8.6	5.1	4.9	5.0	5.1	5.4	5.5	5.6	5.8		106.3
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

The 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 to be installed in conjunction with Military Construction, Army (MCA) projects.

Justification:

FY-03 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. FY03 will also procure additional remote switching units (RSU) for Fort Bragg and Fort Lewis in support of the whole barracks renewal program. The remaining FY03 funds will provide IS support for an additional ninety (90) approved MCA projects.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: INFORMATION SYSTEMS (MCA SUPPORT) (BB1400)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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					2057	1	2057	2462	2	1231	2546	2	1273
Switch Upgrades					1130	64	18	582	70	9	608	80	8
Telephone System					400	70	6	500	60	9	500	80	7
Engineering Svcs					800		800	800		800	800		800
LAN Transport System					552	52	11	620	34	19	637	34	19
Total					4939			4964			5091		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Telephone Switch										
FY 2001	DSSMP Ft. Monmouth, NJ	C/FP	CECOM	JAN 01	JUL 01	1	2057	YES		
FY 2002	DSSMP Ft. Monmouth, NJ	C/FP	CECOM	JAN 02	JUL 02	2	1231	YES		
FY 2003	DSSMP Ft. Monmouth, NJ	C/FP	CECOM	JAN 03	JUL 03	2	1273	YES		
Switch Upgrades										
FY 2001	General Dynamics Needham, MA	C/FP	GSA	FEB 01	MAY 01	64	18	YES		
FY 2002	General Dynamics Needham, MA	C/FP	GSA	FEB 02	MAY 02	70	9	YES		
FY 2003	General Dynamics Needham, MA	C/FP	GSA	FEB 03	MAY 03	80	8	YES		
Telephone System										
FY 2001	General Dynamics Needham, MA	C/FP	GSA	FEB 01	MAY 01	70	6	YES		
FY 2002	General Dynamics Needham, MA	C/FP	GSA	FEB 02	MAY 02	60	9	YES		
FY 2003	General Dynamics Needham, MA	C/FP	GSA	FEB 03	MAY 03	80	7	YES		
Engineering Svcs										
FY 2001	Signal Corp Fairfax, VA	C/FP	ISEC-FDEO	FEB 01	MAY 01		800	YES		
FY 2002	Signal Corp Fairfax, VA	C/FP	ISEC-FDEO	FEB 02	MAY 02		800	YES		

REMARKS:

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
FY 2003 LAN Transport System	Signal Corp Fairfax, VA	C/FP	ISEC-FDEO	FEB 03	MAY 03		800	YES		
FY 2001	Cabletron Rochester, NY	C/FP	GSA	FEB 01	MAY 01	52	11	YES		
FY 2002	Cabletron Rochester, NY	C/FP	GSA	FEB 02	MAY 02	34	19	YES		
FY 2003	Cabletron Rochester, NY	C/FP	GSA	FEB 03	MAY 03	34	19	YES		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

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

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	594.5	79.1	67.6	56.2	51.3	49.7	40.8	51.5	52.5	53.6		1096.8
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)	594.5	79.1	67.6	56.2	51.3	49.7	40.8	51.5	52.5	53.6		1096.8
Initial Spares												
Total Proc Cost	594.5	79.1	67.6	56.2	51.3	49.7	40.8	51.5	52.5	53.6		1096.8
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

This budget line includes efforts in support of the Digital Switched Systems Modernization Program (DSSMP) and is an integral part of the Installation Information Infrastructure Modernization Program (I3MP). The program's mission is to modernize and maintain the Army's digital switch systems worldwide using two contracts (Long Term Life Cycle Support (LTLCS) and DSSMP). Upgrading telecommunications equipment provides the most effective interface with existing public telecommunications networks, ensures the installation is postured for emerging voice technologies and optimizes the development of evolving Department of the Army programs.

Justification:

FY-03 procures the modernization of switch systems at several I3MP installations in CONUS. These modernization programs will upgrade the voice communications infrastructure in support of the Transformation and Army Knowledge Management, power projection support platforms and split based operations. Voice communications 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 telecommunications, remote access, automated directory assistance and network management.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: INFORMATION SYSTEMS (CONUS/WESTERN HEM) (BB8700)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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
DSSMP														
Digital Switching System					23807	9	2646	48060	23	2090	46312	29	1597	
Project Management Support					1717			2045			2147			
Engineering Support					1496			1204			1264			
Distributed Training Technology (DTT)														
Classrooms (3-18 Students)					18372	66	279							
Integration, Production & Fielding					10842	66	165							
Network Equipment														
Total					56234			51309			49723			

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Digital Switching System										
FY 2001	DSSMP/LTLCS Ft. Monmouth, NJ	C/FP	CECOM	JAN-01	VAR	9	2646	YES		
FY 2002	DSSMP/LTLCS Ft. Monmouth, NJ	C/FP	CECOM	DEC-02	VAR	23	2090	YES		
FY 2003	DSSMP/LTLCS Ft. Monmouth, NJ	C/FP	CECOM	JAN-03	VAR	29	1597	YES		
Classrooms (3-18 Students)										
FY 2001	Electronic Data Systems Reston, VA	C/FP	GSA	JAN-01	APR-01	66	279	YES		
Integration, Production & Fielding										
FY 2001	Electronic Data Systems Reston, VA	C/FP	GSA	JAN-02	APR-02	66	165	YES		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	151.8	21.7	25.3	24.6	63.4	179.0	174.5	152.3	163.8	132.4		1088.8
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)	151.8	21.7	25.3	24.6	63.4	179.0	174.5	152.3	163.8	132.4		1088.8
Initial Spares												
Total Proc Cost	151.8	21.7	25.3	24.6	63.4	179.0	174.5	152.3	163.8	132.4		1088.8
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

Videoteleconferencing (VTC) hubs are needed to provide video interconnection and conference capability between HQ, USAREUR and its major subordinate commands, its widely dispersed Area Support Groups and deployed troops in areas such as Bosnia and Kosovo.

The Defense Information System Network (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.

OCONUS Installation Information Infrastructure Modernization Program (I3MP) is the primary initiative to digitize and provide connectivity to the installation, other support activities and deployed combat forces in both the PACOM and EUCOM theaters. 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 multimedia applications, image processing for intelligence missions, maneuver control, telemedicine and telemaintenance.

Justification:

FY-03 procures two additional VTC hubs to support HQ, USAREUR mission requirements. They will be used for an unclassified and a classified VTC hub in the Wiesbaden area.

FY-03 procures new telephone switches for the Defense Information System Network Europe (DISN-E) telephone switch modernization program and replaces the existing Army switches with a state-of-the-art Siemens EWSD telephone switch. The new telephone switches will have Integrated Services Digital Network (ISDN) and other state-of-the-art commercial features as well as military unique requirements to support the US Military Forces in Europe. EUCOM has developed an installation sequence list for the DISN-E program. 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 DSSMP contractor. Additionally, switches procured in earlier FYs will be provided with software and hardware improvements.

Exhibit P-40C, Budget Item Justification Sheet

Date:

February 2002

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:

FY-03 procures I3MP OCONUS EUROPE engineering support to furnish and install backbone Campus Area Networks (CAN) at nine sites in accordance with the EUCOM Installation Sequence List (ISL). CAN installations are critical to support the ever increasing data transport requirements attributable to actions supporting key Army wartime doctrine and the restationing of critical Conventional Forces, Europe. The Army is currently using outdated and eroding cable systems, overstressed voice resources and expensive, non-standard measures to satisfy the ever increasing installation information infrastructure 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 Distance Learning, DoD Standard Procurement System (SPS), Global Combat Support System-Army (GCSS-A), Combined Health Care System (CHCS), Joint Computer-Aided Acquisition and Logistics System (JCALS), Installation Support Module (ISM) and Defense Message System (DMS).

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: INFORMATION SYSTEMS (EUCOM) (BB8800)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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
Unclassified VTC Hub Kaiserslautern														
Classified VTC Hub Kaiserslautern					430	1	430							
Unclassified VTC Hub Grafenwoehr								484	1	484				
Classified VTC Hub Grafenwoehr								371	1	371				
Unclassified VTC Hub Wiesbaden											492	1	492	
Classified VTC Hub Wiesbaden											370	1	370	
DISN-E Telephone Switch Modernization					19954	15	1331	19594	14	1400	18894	12	1575	
Project Management Support					2492			2148			2212			
Engineering Support					1725			1811			1865			
OCONUS I3MP Installation								33599	3	11200	147780	14	10556	
OCONUS I3MP Project Support								1200			1500			
OCONUS I3MP Engineering Support								4201			5900			
Total					24601			63408			179013			

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Classified VTC Hub Kaiserslautern FY 2001	UNISYS Corp Hanover, MD	OPTION	Wiesbaden, GE	May-01	Jun-01	1	430	YES		
Unclassified VTC Hub Grafenwoehr FY 2002	UNISYS Corp Hanover, MD	OPTION	Wiesbaden, GE	May-02	Jun-02	1	484	YES		
Classified VTC Hub Grafenwoehr FY 2002	UNISYS Corp Hanover, MD	OPTION	Wiesbaden, GE	May-02	Jun-02	1	371	YES		
Unclassified VTC Hub Wiesbaden FY 2003	UNISYS Corp Hanover, MD	OPTION	Wiesbaden, GE	May-03	Jun-03	1	492	YES		
Classified VTC Hub Wiesbaden FY 2003	UNISYS Corp Hanover, MD	OPTION	Wiesbaden, GE	May-03	Jun-03	1	370	YES		
DISN-E Telephone Switch Modernization FY 2001	SIEMENS Reston, VA	C/FP	CECOM	Feb-01	Dec-01	15	1331	YES		
FY 2002	SIEMENS Reston, VA	C/FP	CECOM	Jun-02	Nov-02	14	1400	YES		
FY 2003	SIEMENS Reston, VA	C/FP	CECOM	Jan-03	Nov-03	12	1575	YES		
OCONUS I3MP Installation										

REMARKS: Cost of each site will vary based on site specific requirements.

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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 2002	DSSMP Ft. Monmouth, NJ	C/FP/OP	CECOM	Apr-02	Dec-02	3	11200	YES		
FY 2003	DSSMP Ft. Monmouth, NJ	C/FP/OP	CECOM	Mar-03	Nov-03	14	10556	YES		

REMARKS: Cost of each site will vary based on site specific requirements.

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	111.6	9.3	1.1	0.9	45.7	45.8	43.0	42.9	40.9	34.9		376.1
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)	111.6	9.3	1.1	0.9	45.7	45.8	43.0	42.9	40.9	34.9		376.1
Initial Spares												
Total Proc Cost	111.6	9.3	1.1	0.9	45.7	45.8	43.0	42.9	40.9	34.9		376.1
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

Information Systems (PACOM) encompasses non-tactical telecommunications requirements to support Army base operations and U.S. Military Command and Control (C2) requirements in the Pacific Theater, including upgrade of fixed plant telephone systems in Korea. The upgrades to the Korea Telephone Network (KTN) will modernize the Army telephone systems and provide the capability to meet requirements that cannot be presently satisfied.

OCONUS Installation Information Infrastructure Modernization Program (I3MP) is the primary initiative to digitize and provide connectivity to the installation, other support activities and deployed combat forces in both the PACOM and EUCOM theaters. 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 multimedia applications, image processing for intelligence missions, maneuver control, telemedicine and telemaintenance.

Justification:

FY-03 procures essential hardware to expand the line capacity for Camp Market, Yongsan South 3 and the Far East District Engineer (FEDE), Korea Switch Upgrades. FY03 funds will also support provisioning of new line cabinets to Camp Page, Chinhae, Camp Colbern, Camp Market, Yongsan South 3 and the FEDE Compound.

FY-03 procures for I3MP OCONUS PACOM engineering support to furnish and install backbone Campus Area Networks (CAN) at four sites in accordance with the PACOM Installation Sequence List (ISL). 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 voice 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 Distance Learning, DoD Standard Procurement System (SPS), Global Command and Control System-Army (GCCS-A), Combat Service Support Control System (CSSCS), Combined Health Care System (CHCS), Joint Computer-Aided Acquisition and Logistics System (JCALS), Installation Support Module (ISM) and Defense Message System (DMS).

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: INFORMATION SYSTEMS (PACOM) (BB8900)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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
Upgrade Korean Telephone Network						879		879	889		889	907		907
OCONUS I3MP Installation (Yongsan)									38080	2	19040	37958	4	9490
OCONUS Project Management									2250			2300		
OCONUS Engineer Support									4500			4600		
Total						879			45719			45765		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Upgrade Korean Telephone Network										
FY 2001	General Dynamics Needham, MA	C/FP/OP	CECOM, Ft. Monmouth, NJ	Mar 01	Nov 01		879	Yes		
FY 2002	DSSMP Ft Monmouth, NJ	C/FP/OP	CECOM, Ft. Monmouth, NJ	Mar 02	Nov 02		889	Yes		
FY 2003	DSSMP Ft Monmouth, NJ	C/FP/OP	CECOM, Ft. Monmouth, NJ	Mar 03	Nov 03		907	Yes		
OCONUS I3MP Installation (Yongsan)										
FY 2002	DSSMP Ft Monmouth, NJ	C/FP	CECOM, Ft. Monmouth	Apr 02	Dec 02	2	19040	Yes		
FY 2003	DSSMP Ft Monmouth, NJ	C/FP	CECOM, Ft. Monmouth	Apr 03	Dec 03	4	9490	Yes		

REMARKS: Cost of each site will vary based on site specific requirements.

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

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

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	196.7	18.6	20.8	19.2	18.3	26.8	12.7	12.7	7.6	7.7		341.1
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)	196.7	18.6	20.8	19.2	18.3	26.8	12.7	12.7	7.6	7.7		341.1
Initial Spares												
Total Proc Cost	196.7	18.6	20.8	19.2	18.3	26.8	12.7	12.7	7.6	7.7		341.1
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 primary Command and Control messaging system. 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:

FY03 procures 18 Tactical Messaging System (TMS) equipment suites consisting of a Transit Case Solution which provides Sensitive But Unclassified (AN/TYC24V2), Secret (AN/TYC24V3), and Top Secret (AN/TYC24V4) capabilities. This will extend DMS Tactical Messaging to the battlefield in support of the Warfighter. Transit Cases will be fielded IAW Basis of Issue Plan (BOIP) as established by the US Army Signal Center at Ft. Gordon.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: DEFENSE MESSAGE SYSTEM (DMS) (BU3770)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Engineer, Furnish, Install & Test DMS Government Open System Interconnection Profile (GOSIP) DMS Testing/Spares	A							653			342		
Engineer Installation Teams (IASSED)	A				2102			2186			2002		
H/W & S/W NT Upgrades	A				3331			1072			4000		
Salaries	A				1176			1299			1424		
MITRE Engineering Integration Support	A				440								
PMO Operations (MATRIX, Contr., PEO)	A				4965			3623			2685		
TDY	A				360			360			360		
NEXOR Software	A				1500	10000	0.2	933	6000	0.2			
Tactical Message System (TMS) (Production, GFE, Fielding, FSR, Sig Ctr	A				5352			8195	10		16016	18	
TMS unit costs and quantities vary by user configuration requirements FSR - Field Service Reps													
Total					19226			18321			26829		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
H/W & S/W NT Upgrades										
FY 2001	Lockheed Martin Manassas, VA	C/FP	USAF	JAN-01	APR-01			Yes		
FY 2002	Lockheed Martin Manassas, VA	C/FP	USAF	JAN-02	APR-02			Yes		
NEXOR Software										
FY 2001	NEXOR, Inc. Falls Church, VA	C/FP/Optn	CECOM	JAN-01	JUN-01	10000	1	Yes		
FY 2002	NEXOR, Inc. Falls Church, VA	C/FP/Optn	CECOM	JAN-02	JUN-02	6000	1	Yes		
Tactical Message System (TMS)										
FY 2001	General Dynamics Govt Comm Sys Taunton, MA	C/FP	CECOM	VAR	VAR			Yes		
FY 2002	General Dynamics Govt Comm Sys Taunton, MA	C/FP	CECOM	JUL-02	MAR-03	10		Yes		
FY 2003	General Dynamics Govt Comm Sys Taunton, MA	C/FP	CECOM	NOV-02	AUG-03	18		Yes		

REMARKS: ASC- Army Systems Command, Ft Huachuca, AZ
* First year purchases by Government, subsequent year purchases by contractor.
Configurations vary by user requirements and site.

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	157.7	17.8	113.9	64.9	105.2	127.2	98.2	173.3	147.8	158.5		1164.5
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)	157.7	17.8	113.9	64.9	105.2	127.2	98.2	173.3	147.8	158.5		1164.5
Initial Spares												
Total Proc Cost	157.7	17.8	113.9	64.9	105.2	127.2	98.2	173.3	147.8	158.5		1164.5
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

The Local Area Network (LAN) budget line 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 electronics and fiber optic cable to interconnect the switches and nodes in buildings. OSCAR provides for the manhole, ductwork and cabling for the infrastructure upgrade.

CUITN provides an intelligent and secure data information infrastructure which supports the Army Installation Information Infrastructure Modernization Program (I3MP) initiative 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 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 augments and supports replacement and expansion of information transfer systems to meet the requirements of voice, data and the single line concept. By providing the basic installation transmission connectivity from the user to the dial central office/main communications node, it supports the voice and data requirements of warfighting commanders engaged in sustainment, contingency deployments and split-based operations.

Justification:

FY-03 procures for the CUITN program engineering support to furnish and install backbone local area networks at 10 sites at the Minimum Essential Requirements (MER) level on the Installation Sequence List (ISL). (The ISL is a prioritized list of ordered installations issued by Headquarters, Department of the Army (HQDA)/ Deputy Chief of Staff for Operations (DCSOPS)). Campus Area Network installations are critical to support the ever increasing data transfer requirements attributable to actions supporting key Army wartime doctrine and information technology transformation initiatives. The Army is currently using outdated systems, obsolete, overstressed telephone 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 Defense Message System (DMS), Installation Support Module (ISM), Joint Computer-Aided Acquisition and Logistics System (JCALS), Combined Health Care System (CHCS), Global Combat Support System Army (GCSSA), Distance Learning and Army Knowledge Management Initiatives.

Exhibit P-40C, Budget Item Justification Sheet

Date:

February 2002

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:

In FY03 the Outside Cable Rehabilitation (OSCAR) program will engineer, furnish and install manhole, duct and cable systems to Minimum Essential Requirements (MER) under the Army Installation Information Infrastructure Modernization Plan (I3MP). Sites will be implemented in accordance with the Army Installation Sequence List (ISL). OSCAR will replace and/or supplement outdated, degraded, undersized manhole duct and cable systems currently installed at Army installations.

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: LOCAL AREA NETWORK (LAN) (BU4165)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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
Install Backbone Local Area Network						27683	1	27683	29629	8	3704	64803	10	6481
Project Management Support-LAN						1645			1779			2111		
Engineering Support-LAN						6325			4200			9432		
Outside Cable Rehabilitation (OSCAR)						20926	6	3488	61021	9	6781	44827	10	4483
Project Management Support						1086			1523			1661		
Engineering Support						3325			7000			4410		
Install Info Infra Arch DISC4 Engr Spt						3889								
Total						64879			105152			127244		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Install Backbone Local Area Network										
FY 2001	DSSMP Ft. Monmouth, NJ	C/FP	CECOM	FEB-01	AUG-01	1	27683	YES		
FY 2002	DSSMP Ft. Monmouth, NJ	C/FP	CECOM	FEB-02	AUG-02	8	3704	YES		
FY 2003	DSSMP Ft. Monmouth, NJ	C/FP	CECOM	FEB-03	AUG-03	10	6481	YES		
Outside Cable Rehabilitation (OSCAR)										
FY 2001	DSSMP Ft. Monmouth, NJ	C/FP	CECOM	FEB-01	APR-01	6	3488	YES		
FY 2002	DSSMP Ft. Monmouth, NJ	C/FP	CECOM	FEB-02	AUG-02	9	6781	YES		
FY 2003	DSSMP Ft. Monmouth, NJ	C/FP	CECOM	FEB-03	AUG-03	10	4483	YES		

REMARKS: DSSMP: Digital Switch Systems Modernization Program (19 contracts)

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	120.1	38.2	17.1	32.3	33.3	14.5	14.7	15.1	15.4	15.7		316.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	120.1	38.2	17.1	32.3	33.3	14.5	14.7	15.1	15.4	15.7		316.5
Initial Spares												
Total Proc Cost	120.1	38.2	17.1	32.3	33.3	14.5	14.7	15.1	15.4	15.7		316.5
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 Resident Program Manager and a Project Manager for Information Management & Telecommunications (PM, IM&T). PM, IM&T is responsible for relocating existing IM&T facilities while sustaining operations and implementing a new Pentagon IM&T physical and electronic infrastructure in concert with Pentagon Renovation Construction. Relocation includes moving the National Military Command Center (NMCC)/Service Operation centers, consolidating seven Telecommunications Control facilities, co-locating 11 Automated Data Processing (ADP) facilities to two facilities, and consolidating 15 command and control tactical and administrative telephone switches to 8. The IM&T infrastructure includes the installation of an unclassified/classified backbone and a Network and Systems Management Center. The implementation of IM&T 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, the Army, Navy, Marine Corp, Air Force and Defense Agencies.

Justification:

FY03 procures the backbone network infrastructure equipment purchases and services for Wedge 2, including data switches, routers, media and cable. In addition, FY03 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. The IM&T office will continue cutover of circuits (for tenants in the Phoenix Project) to the Black and Red Command and Control Switches and the Optical Remote Module Administrative Switch. FY03 funds will also be used to fund the Communication Module and the Administrative Module.

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: PENTAGON INFORMATION MGT AND TELECOM (BQ0100)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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
PENTAGON RENOVATION IM&T														
Command/Ops Centers Equip/Install						382								
Consolidated Tech Cntrl Equip						4603			2105			900		
Total Switch Architecture/Voice						1524			8242			5601		
Unclass/Class Backbone, Wedge 1						14164								
Unclass/Class Backbone, Wedge 2						8190			20000			5000		
Consolidated Computer Facility						174								
Program Mgmt Support						3240			3000			3000		
Total														
						32277			33347			14501		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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 Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Consolidated Tech Cntrl Equip										
FY 2001	NET DISA	C/FP	DISA	Oct-00	Nov-00			Yes		
FY 2001	SAIC Ft Huachuca, AZ	Rqmts	Ft Huachuca, AZ	Oct-00	Nov-00			Yes		
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		
FY 2003	NET DISA	C/FP	DISA	Oct-02	Nov-02			Yes		
FY 2003	SAIC Ft Huachuca, AZ	Rqmts	Ft Huachuca, AZ	Oct-02	Nov-02			Yes		
Total Switch Architecture/Voice										
FY 2001	Raytheon SM-ALC	C/FP	SM-ALC	Oct-00	Nov-00			Yes		
FY 2001	Lucent Ft Monmouth, NJ	C/FP	Ft Monmouth, NJ	Oct-00	Nov-00			Yes		
FY 2001	CSC Ft Monmouth, NJ	IDIQ	Ft Monmouth, NJ	Jan-01	Feb-01			Yes		
FY 2002	Raytheon SM-ALC	C/FP	SM-ALC	Oct-01	Nov-01			Yes		
FY 2002	Lucent Ft Monmouth, NJ	C/FP	Ft Monmouth, NJ	Oct-01	Nov-01			Yes		
FY 2002	CSC Ft Monmouth, NJ	IDIQ	Ft Monmouth, NJ	Jan-02	Feb-02			Yes		
FY 2003	Raytheon SM-ALC	C/FP	SM-ALC	Oct-02	Nov-02			Yes		

REMARKS: DISA=Defense Information Systems Agency, SM-ALC=Sacramento Air Logistics Center, Sacramento, CA, NET=Network Equipment Technologies, Rockville, MD, FEDSIM=Federal System Integration Mgmt Center, SAIC=Science Application International Corp., SRA=Systems Research Applications, NISA-P=Network Infrastructure Services Agency-Pentagon, CSC=Computer Sciences Corporation

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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 Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2003	Lucent Ft Monmouth, NJ	C/FP	Ft Monmouth, NJ	Oct-02	Nov-02			Yes		
FY 2003	CSC Ft Monmouth, NJ	IDIQ	Ft Monmouth, NJ	Jan-03	Feb-03			Yes		
Unclass/Class Backbone, Wedge 1										
FY 2001	General Dynamics PENREN, VA	C/FP/OP	PENREN, VA	Oct-00	Nov-00			Yes		
Unclass/Class Backbone, Wedge 2										
FY 2001	General Dynamics PENREN, VA	C/FP/OP	PENREN, VA	Oct-00	Nov-00			Yes		
FY 2002	General Dynamics PENREN, VA	C/FP/OP	PENREN, VA	Oct-01	Nov-01			Yes		
FY 2003	General Dynamics PENREN, VA	C/FP/OP	PENREN, VA	Oct-02	Nov-02			Yes		

REMARKS: DISA=Defense Information Systems Agency, SM-ALC=Sacramento Air Logistics Center, Sacramento, CA, NET=Network Equipment Technologies, Rockville, MD, FEDSIM=Federal System Integration Mgmt Center, SAIC=Science Application International Corp., SRA=Systems Research Applications, NISA-P=Network Infrastructure Services Agency-Pentagon, CSC=Computer Sciences Corporation

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	15.4	0.9	1.8	0.9	0.9	1.6	1.6	1.6	1.7	1.7		28.0
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)	15.4	0.9	1.8	0.9	0.9	1.6	1.6	1.6	1.7	1.7		28.0
Initial Spares												
Total Proc Cost	15.4	0.9	1.8	0.9	0.9	1.6	1.6	1.6	1.7	1.7		28.0
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

CLASSIFIED PROGRAM: INFORMATION AVAILABLE UPON REQUEST

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

P-1 Item Nomenclature
GENERAL DEFENSE INTELL PROG (GDIP) (BD3900)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	347.6	27.8	26.0	22.5	30.0	20.3	25.1	16.5	18.4	17.2		551.1
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)	347.6	27.8	26.0	22.5	30.0	20.3	25.1	16.5	18.4	17.2		551.1
Initial Spares												
Total Proc Cost	347.6	27.8	26.0	22.5	30.0	20.3	25.1	16.5	18.4	17.2		551.1
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 2002

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

P-1 Item Nomenclature
ALL SOURCE ANALYSIS SYS (ASAS) (TIARA) (KA4400)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	476.1	30.5	56.3	71.6	48.0	57.9	72.4	54.2	51.4	107.0		1025.4
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)	476.1	30.5	56.3	71.6	48.0	57.9	72.4	54.2	51.4	107.0		1025.4
Initial Spares	717.4											717.4
Total Proc Cost	1193.6	30.5	56.3	71.6	48.0	57.9	72.4	54.2	51.4	107.0		1742.8
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 processors and sensors, 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 (ACT), Analysis and Control Element (ACE), Trusted Workstation (TWS), Tactical Imagery Products Server (TIPS) 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 processors and joint/national/Army C3I systems. ASAS supports the Legacy to Objective transition path of the Army Transformation Plan.

Justification:

FY 02 and FY 03 Funding supports continued ASAS product procurement and fielding. Fielding will be IAW the Army Order of Precedence (AOP) to support initial phase of Army Transformation and Army Modernization Schedule (Unit Set Fielding). Systems procured and fielded during FY03 and FY04 include the RWS, ACE, ACT, and ASAS Light.

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	86											86
Gross Cost	302.1	30.5	56.3	71.6	48.0	57.9	72.1	50.1	46.5	107.0		842.0
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)	302.1	30.5	56.3	71.6	48.0	57.9	72.1	50.1	46.5	107.0		842.0
Initial Spares												
Total Proc Cost	302.1	30.5	56.3	71.6	48.0	57.9	72.1	50.1	46.5	107.0		842.0
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 processors and sensors, 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 (ACT), Analysis and Control Element (ACE), Trusted Workstation (TWS), Tactical Imagery Products Server (TIPS) 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 processors and National/Joint/Army C3I systems. These systems support the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

Justification:

FY 03 funding supports continued ASAS product procurement and fielding. Fielding will be IAW the Army Order of Precedence (AOP) to support initial phase of Army Transformation and Army Modernization Schedule (Unit Set Fielding). Systems procured and fielded during FY 03 and FY04 include the RWS, ACE, ACT, and ASAS Light.

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: ASAS - MODULES (TIARA) (K28801)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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					51089			29987			33602		
Project Management Administration					1820			1879			1880		
Post Production Software Support					5375			8057			10645		
Fielding					7525			7837			8650		
Depot Support					200			200			200		
2nd IBCT					5558								
Engineering Support											2909		
Total					71567			47960			57886		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
ASAS Hardware Modules										
FY 2001	GTE Taunton,MA	C/Option	Taunton, MA	Nov-00	Apr-01					
FY 2001	AIS Austin, TX	SS	Austin, TX	Nov-00	Apr-01					
FY 2002	GTE Taunton,MA	C/Option	Taunton, MA	Nov-01	Apr-02					
FY 2002	AIS Austin, TX	SS	Austin, TX	Nov-01	Apr-02					
FY 2003	GTE Taunton,MA	C/Option	Taunton, MA	Nov-02	Apr-03					
FY 2003	AIS Austin, TX	SS	Austin, TX	Nov-02	Apr-03					

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 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	272	44	43	10	42	13	38	21	43			526
Gross Cost	150.2	10.2	22.9	6.5	18.7	4.8	9.5	6.1	10.5			239.5
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	
Net Proc (P-1)	150.2	10.2	22.9	6.5	18.7	4.8	9.5	6.1	10.5			239.5
Initial Spares												
Total Proc Cost	150.2	10.2	22.9	6.5	18.7	4.8	9.5	6.1	10.5			239.5
Flyaway U/C												
Wpn Sys Proc U/C		0.2	0.5	0.7	0.4	0.4	0.2	0.3	0.2			

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. 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 reduced size JTT Briefcase (B) effort was awarded in FY00 to satisfy the US Army Special Operations Command JTT requirements for a Man Portable variant that will weigh 40 lbs. or less. This is in compliance with the JTT ORD objective requirement. 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:

FY03 Procures JTTs with full duplex (receive/transmit) capability that will be integrated into various host systems across all services including All Source Analysis System (ASAS), Guardrail/Common Sensor (GRCS), PATRIOT, TES, DTES and SHORAD. These systems support Containment Forces/Forward Deployed Divisions.

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: JTT/CIBS-M (TIARA) (V29600)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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													
JTT (T/R) Transmits and Receives	B				4350	10	435				2535	13	195
JTT (R Only) Receives Only								16380	42	390			
JTT (B) Receives Only													
JTT-B Accessory Kits													
CIBS-M					4680	120	39						
SUPPORT													
ECOs					1122								
Reliability Growth					900								
ENGINEERING SUPPORT													
In-House					205			235			265		
Contractor					331			293			255		
Host Integration					2787			400			400		
FIELDING								50			42		
Army Broadcast Intel Office Support					800								
PROGRAM MANAGEMENT					1334			1342			1327		
FY 01 \$10M Rescission					10000								
-Other Costs													
Total					6509			18700			4824		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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

Weapon System Type:

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

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
JTT (T/R) Transmits and Receives										
FY 2001	Raytheon Systems, St. Pete, FL	C/FFP/Opt	CECOM, Ft. Monmouth, NJ	Sep 01	Dec 02	10	435	Yes		
FY 2003	Raytheon Systems, St. Pete, FL	C/FFP/Opt	CECOM, Ft. Monmouth, NJ	Dec 02	Mar 04	13	195	Yes		
JTT (R Only) Receives Only										
FY 2002	Raytheon Systems, St. Pete, FL	C/FFP/O	CECOM, Ft. Monmouth, NJ	Jun 02	Sep 03	42	390	Yes		
CIBS-M										
FY 2001	Raytheon Systems, St. Pete, FL	C/FFP/Opt	CECOM, Ft. Monmouth, NJ	Sep 01	Sep 02	120	39	Yes		

REMARKS: Notes:

1. FY01 Congressional Rescission of \$10 M in Fall of 2001.
2. Other Service Quantities are included in order to show overall delivery rate on the P-21.

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty				6	31	46					Continuing	Continuing
Gross Cost	139.4			11.2	15.6	20.2	3.2	22.6	17.5	95.7		
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)	139.4			11.2	15.6	20.2	3.2	22.6	17.5	95.7	Continuing	Continuing
Initial Spares												
Total Proc Cost	139.4			11.2	15.6	20.2	3.2	22.6	17.5	95.7	Continuing	Continuing
Flyaway U/C												
Wpn Sys Proc U/C				1.9	0.5	0.0						

Description:

Prophet's primary mission is providing 24-hour Situation Development and Information Superiority to the direct supported maneuver brigade to enable the most effective engagement of enemy forces. Prophet is an integral part of the Army Transformation, providing a force multiplier to the Brigade Commander's scheme of maneuver for the Interim and Objective Force. It is the tactical commanders sole organic ground based Multi-Sensor system for the divisions and its brigades. Prophet provides the tactical commander with current signals of interest and next generation Signals Intelligence/Electronic Warfare (SIGINT/EW - radio detection finding capability), Measurement and Signature Intelligence (MASINT – vehicle and personnel identification) and unattended ground sensors surveillance capabilities. Prophet operates in direct support (DS) to the maneuver brigade at Division, Brigade Combat Team (BCT), Armored Cavalry Regiments (ACR) and Separate Infantry Brigade (SIB). 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 line-of-sight across the brigade area of responsibility. Initially Prophet will interface with the maneuver brigade Analysis Control Team's (ACT), Common Ground Station (CGS) and/or ASAS-Remote Work Stations (ASAS-RWS) via Prophet Control. The ACT will forward the gathered information to the division and armored cavalry Analysis Control Element's (ACE) All Source Analysis System (ASAS). Ultimately Prophet will interface with DCGS-A. Additionally, Prophet provides near-real-time enemy situation awareness and intercepted voice communications data, when on board linguists are available, which is translated into actionable intelligence, a key component to the intelligence common operating picture (COP). Block I will start fielding in 4QFY02 to BCT 1 and 2 and continue in FY03, completing in 1QFY05. Block I will provide enhanced signal detection capabilities with expanded frequency coverage and fast setup/teardown. Prophet fielding will enable the Brigade Commander to detect signals while the vehicle is moving, a first for a Tactical SIGINT system. Prophet will be developed in a five block approach: Block I - Electronic Support (ES) (COMINT), Block II - Electronic Attack (EA), Block III - Low Probability of Intercept (LPI), Block IV - SIGINT/MASINT Fusion and Block V - Micro-Sensors and Robotics sensor extension capabilities. This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

Justification:

FY03 funding completes Prophet Block I Systems (COMINT) for fielding to Maneuver Brigades at forward deployed Divisions, Brigade Combat Teams (BCT), Armored Cavalry Regiments (ACR) and Separate Infantry Brigades (SIB).

Exhibit P-40C, Budget Item Justification Sheet

Date:

February 2002

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:

This program was provided a supplemental fund called Defense Emergency Response Fund (DERF), as a non-add, for the following fiscal years with amounts: FY03 \$15M; FY04 \$38M; FY05 \$8M; FY06 \$13M.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: PROPHET GROUND (TIARA) (BZ7326)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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					1980	6	330	9240	31	299	13110	46	285
Support Equipment					297			1386			1967		
Enhanced Interoperability											993		
ECPs					198			222			324		
Non Recurring Engineering					6877								
System Engineering								510			610		
Follow-on Test								2000					
Government Program Mgmt					1066			1567			1893		
New Equipment Training (NET)					50			230			415		
Total Package Fielding (TPF)								458			914		
I-REMBASS & GSR for IBCT*					700								
'													
'													
'													
*BZ7326 used to fund IBCT effort managed by CECOM. FY02 and beyond, funds are in BZ9752.													
----- DERF funds detailed on P-40 is not included on this form													
Total					11168			15613			20226		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Hardware										
FY 2001	Titan Systems Corporation San Diego, CA	C/FFP	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	Oct 02	Jul 03	46	285	yes		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

P-1 Item Nomenclature
TUAV (B00301)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	15			4	5	10	12	5	10	10		71
Gross Cost		6.3	0.8	47.4	56.9	84.3	108.9	62.8	184.4	186.3		738.1
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)		6.3	0.8	47.4	56.9	84.3	108.9	62.8	184.4	186.3		738.1
Initial Spares						15.2	15.4	4.1	15.1	15.1		64.8
Total Proc Cost		6.3	0.8	47.4	56.9	99.5	124.3	66.8	199.6	201.4		802.9
Flyaway U/C												
Wpn Sys Proc U/C				11.9	6.3	0.0	0.0	0.0				

Description:

The Tactical Unmanned Aerial Vehicle (TUAV) and Advanced TUAV Payloads provides the Army maneuver commander with dedicated Reconnaissance, Surveillance and Target Acquisition (RSTA) and Battle Damage Assessment (BDA). The Brigade TUAV 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 FY2001. The TUAV system consists of multiple 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). Each system is supported by a maintenance section-multifunctional and divisional Mobile Maintenance Facility supporting up to four TUAV systems. Flyaway and Weapon System procurement costs do not include attrition air vehicles. The TUAV 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 2003 procures 10 full rate production TUAV systems in accordance with the Army Transformation Strategy. These systems will be fielded to 82nd ABN, 3rd ACR, 1st AD, 1st ID, 3rd ID, 101st AA, 10th MNT, 2nd ACR, 25th ID and 11th ACR. System contributes to the commander's dominant situation awareness and allows him to shape the battlefield to ensure mission success.

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	15			4	5	10	12	5	10	10		71
Gross Cost		6.3	0.8	47.4	56.9	84.3	102.6	56.3	184.4	186.3		
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)		6.3	0.8	47.4	56.9	84.3	102.6	56.3	184.4	186.3	Continuing	Continuing
Initial Spares						15.2	15.4	4.1	15.1	15.1		64.8
Total Proc Cost		6.3	0.8	47.4	56.9	99.5	118.0	60.4	199.6	201.4	Continuing	Continuing
Flyaway U/C				0.0	0.0	0.0	0.0	0.0				
Wpn Sys Proc U/C				11.9	6.3	0.0	0.0	0.0	0.0	0.0		

Description:

The Tactical Unmanned Aerial Vehicle (TUAV) provides the Army maneuver commander with dedicated Reconnaissance, Surveillance and Target Acquisition (RSTA) and Battle Damage Assessment (BDA). The Brigade TUAV 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 FY2001. The TUAV system consists of multiple 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). Each system is supported by a maintenance section-multifunctional and a divisional Mobile Maintenance Facility supporting up to four TUAV systems. Flyaway and Weapon System procurement costs do not include attrition air vehicles. The TUAV 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 2003 procures 10 full rate production TUAV systems in accordance with the Army Transformation Strategy. These systems will be fielded to 82nd ABN, 3rd ACR, 1st AD, 1st ID, 3rd ID, 101st AA, 10th MNT, 2nd ACR, 25th ID and 11th ACR. System contributes to the commander's dominant situational awareness and allows him to shape the battlefield to ensure mission success.

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: TACTICAL UNMANNED AERIAL VEHICLE (TUAV) (JMIP) (BA0330)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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 SHADOW													
Shadow Systems Hardware Cost (3AVs/Sys)					20199	4	5050	26642	5	5329	47502	10	4751
TCDL Delta System Cost													
MSM					1956			5578	5	1116	1520	10	152
MMF without Air Vehicle								366	2	183	1499	9	167
MMF with Air Vehicle								840	2	420	2944	8	368
Attrition Air Vehicle					1373	3	458	358					
Training Devices					148								
Training					691			691			691		
Technical Manuals					313			256			1500		
Test Support					877			892					
Engineering Support					2351			1151			3151		
Engineering Changes													
Mods/Block Retrofit					4529			800	1	800	2400	3	800
TCDL Retrofit													
Contractor Logistics Support					500								
FY 02 LRIP II Cost Growth								3620					
AAI Prime Contractor Cost Growth					32937			41194			61207		
Government Furnished Equipment					3386			4319			8723		
Program Management (Government)					3828			4571			5004		
Material Fielding					319			1793			3600		
Government Training / IMs					920	2	460	500			3200	6	534
Site Activation											1276	2	638
System Test and Acceptance					550			1150			1280		
TUAV - Extended Range Multipurpose													
SUB-TOTAL - OPA2 (BA0330)					41940			53527			84290		
Initial Spares - OPA4 (BS9738) FY03-07					5501			3333			15162		
SUB-TOTAL					5501			3333			15162		
Total					47441			56860			99452		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
TACTICAL UNMANNED AERIAL VEHICLE										
FY 2001	AAI Hunt Valley, MD	C/FPIF	AMCOM	Apr - 01	Nov - 02	4	5050	Yes	N/A	May 99
FY 2002	AAI Hunt Valley, MD	SS/FPIF	AMCOM	Feb - 02	Dec - 02	5	5329	Yes	N/A	N/A
FY 2003	AAI Hunt Valley, MD	SS/FPIF	AMCOM	Nov - 03	Nov - 04	10	4750	Yes	N/A	N/A
FY 2004	AAI Hunt Valley, MD	SS/FPIF	AMCOM	Nov - 04	Nov - 05	12	4750	Yes	N/A	N/A
FY 2005	AAI Hunt Valley, MD	SS/FPIF	AMCOM	Nov - 05	Nov - 06	5	4750	Yes	N/A	N/A
FY 2006	AAI Hunt Valley, MD	SS/FPIF	AMCOM	Nov - 06	Nov - 07	10	4750	Yes	N/A	N/A
FY 2007	AAI Hunt Valley, MD	SS/FPIF	AMCOM	Nov - 07	Nov - 08	10	4750	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 2002

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

P-1 Item Nomenclature
Army Common Ground Station (CGS) (BA1080)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	60	12	14	10								96
Gross Cost	445.5	82.3	94.8	65.8	21.1	8.6	8.4					726.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	445.5	82.3	94.8	65.8	21.1	8.6	8.4					726.6
Initial Spares	10.2											10.2
Total Proc Cost	455.7	82.3	94.8	65.8	21.1	8.6	8.4					736.8
Flyaway U/C												
Wpn Sys Proc U/C		6.9	6.8	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). 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 and Control (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. This system supports the legacy transition path of the Transformation Campaign Plan (TCP) and will be a critical component of the Army Distributed Common Ground System (DCGS-A). Spiral development will address the upgrade of existing CGS data links, CGS software and ADP suite to receive and process the increased intelligence data generated by the JSTARS Radar Technology Improvement Program (RTIP), Aerial Common Sensor (ACS) and other sensors. As part of the Army digitized initiative 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 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 is an integral component to the Brigade Combat Teams and Distributed Common Ground Station (DCGS) initiative under the Army's transformation strategy.

Justification:

FY03 takes previously developed product enhancements and implements the ABCS TOC LAN interface (Common Software Baseline (CSB) 1.b)), replaces the Commanders Tactical Terminal (CTT) with the Joint Tactical Terminal (JTT) and implements Modeling and Simulation and COE improvements in fielded systems primarily at V Corp and others in accordance with Army priorities.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: Army Common Ground Station (CGS) (BA1080)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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													
Common Ground Station (CGS) FRP					33230	10	3323						
Maintenance Trainer					4940	2	2470						
SUPPORT													
Version 2 Retrofit					5238			5678					
Field Install of Product Improvements											6500		
P31 NRE / Post Deployment SW Supt (PDSS)					6000			3159					
Field Support					9650			9237					
Data													
System Test and Evaluation					1169								
ENGINEERING SUPPORT													
In-House					475			490			230		
Prime Contractor					450			460			136		
FIELDING					3422			916			1198		
PROGRAM MANAGEMENT (ADMIN)					1232			1201			556		
Total					65806			21141			8620		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: Army Common Ground Station (CGS) (BA1080)					
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
Common Ground Station (CGS) FRP FY 2001	General Dynamics Scottsdale, AZ	C/FFP/Opt	CECOM, Ft. Monmouth, NJ	Dec 00	Dec 01	10	3323	Yes		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty											Continuing	Continuing
Gross Cost	56.4	21.0	24.4	20.1	20.0	14.1	13.7	6.9	6.9	4.9		
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)	56.4	21.0	24.4	20.1	20.0	14.1	13.7	6.9	6.9	4.9	Continuing	Continuing
Initial Spares												
Total Proc Cost	56.4	21.0	24.4	20.1	20.0	14.1	13.7	6.9	6.9	4.9	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. 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:

FY03 procures the DTSS-L, DTSS-B and HVMP. Procurement of the DTSS-L, DTSS-B 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-5, Weapon OPA2 Cost Analysis		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 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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													
DTSS-Deployable	A				4437	29	153						
DTSS-Light	A				8622	16	539	8407	16	526	7600	15	507
DTSS-Base	A							2000	3	667			
HVMP	A										1400	2	700
Hardware Total					13059			10407			9000		
Engineering Support													
Design Engineering					1547			3203			1008		
Misc Out-of-House Engineering					1734			1360			1300		
Engineering Support Total					3281			4563			2308		
Fielding													
Total Package Fielding					225			250			200		
New Equipment Training					400			300			300		
First Destination Transportation					400			400			300		
Fielding Total					1025			950			800		
Project Management and Administration					2079			2000			1681		
Interim Contractor Support					400			400			300		
2nd IBCT					300								
Institutional Training								1650					
Total					20144			19970			14089		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
DTSS-Deployable										
FY 2000	Litton/TASC, Inc. Chantilly, VA	C/FP	USA Topo Eng Center	May 00	Jan 01	54	158	Yes		
FY 2001	Litton/TASC, Inc. Chantilly, VA	C/FP	USA Topo Eng Center	Oct 00	Apr 01	29	153	Yes		
DTSS-Light										
FY 2000	Sechan Electronics Lititz, PA	C/FP	USA Topo Eng Center	Dec 99	Mar 01	16	486	Yes		
FY 2001	Sechan Electronics Lititz, PA	C/FP	USA Topo Eng Center	Dec 00	May 02	16	539	No		
FY 2002	TBS	C/FP	USA Topo Eng Center	Feb 02	May 03	16	526	No		
FY 2003	TBS	C/FP	USA Topo Eng Center	Dec 02	May 04	15	507	No		
DTSS-Base										
FY 2002	Litton/TASC, Inc. Chantilly, VA	C/FP	USA Topo Eng Center	Dec 01	May 02	3	667	No		
HVMP										
FY 2003	TBS	C/FP	USA Topo Eng Center	Dec 02	Sep 03	2	700	No		

REMARKS: FY03 procures the DTSS-L, DTSS-B and HVMP. Procurement of the DTSS-L, DTSS-B 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 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	89.8	10.0	3.7	14.4								117.9
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)	89.8	10.0	3.7	14.4								117.9
Initial Spares												
Total Proc Cost	89.8	10.0	3.7	14.4								117.9
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 2002

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

P-1 Item Nomenclature
TACT EXPLOITATION OF NATL CAPABILITIES (TIARA) (BZ7315)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	98.5	6.0	4.4	12.7					5.9			127.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	98.5	6.0	4.4	12.7					5.9			127.5
Initial Spares												
Total Proc Cost	98.5	6.0	4.4	12.7					5.9			127.5
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

Provides tactical commanders with rapid access to critical information collected by National and selected Theater Intelligence Sources. To date, the program has been responsible for provisioning the AN/TSQ 134(V) (Advanced Electronic Processing and Dissemination System (AEPDS)), the Mobile Integrated Tactical Terminal (MITT), the Forward Area Support Terminal (FAST), and the Tactical Exploitation System (TES) to Army Echelons Above Corps, Corps, and maneuver divisions. All systems are characterized as stand alone systems, with multiple communications capability defined in UHF S-Band and terrestrial communications packages, and with the exception of FAST, systems are contained in shelters or vans, with dedicated primemover and system operators. The TENCAP Program also manages the Enhanced Tactical Radar Correlator (ETRAC) and the Modernized Imagery Exploitation System (MIES). Further information may be found in the Tactical Intelligence and Related Activities (TIARA) Congressional Budget Justification Book and the Joint Military Intelligence Program (JMIP) Congressional Budget Justification Book.

This program is designated as a DOD Space Program.

Justification:

There is no FY03 funding.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: TACT EXPLOITATION OF NATL CAPABILITIES (TIARA) (BZ7315)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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
DAMA capable radio						500	1	500						
Common Data Link						10345	2	5173						
DB Master						390	6	65						
MiDAS Remote Trailer (MRT)						1500	3	500						
DAMA: Demand Assigned Multiple Access														
Total						12735								

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: TACT EXPLOITATION OF NATL CAPABILITIES (TIARA) (BZ7315)					
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
DAMA capable radio FY 2001	Classified C/CPAF	SS/CPAF	CLASSIFIED	2Q01		1	500			
Common Data Link FY 2001	L3 Communications Corp Salt Lake City, UT	SS/CPAF	DET 8	2Q 01		2	5173			
DB Master FY 2001	Classified C/CPAF	C/CPAF	CLASSIFIED	2Q01		6	65			
MiDAS Remote Trailer (MRT) FY 2001	Classified C/CPAF	C/CPAF	CLASSIFIED	2Q01		3	500			

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty					4	3	8	3				18
Gross Cost					33.4	17.6	43.7	18.9	6.0	7.0		126.6
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)					33.4	17.6	43.7	18.9	6.0	7.0		126.6
Initial Spares												
Total Proc Cost					33.4	17.6	43.7	18.9	6.0	7.0		126.6
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

The Tactical Exploitation System (TES)/DCGS-A program provides tactical commanders at the division and Military Intelligence (MI) brigade level with the TES and its derivatives: Division Tactical Exploitation System(DTES) and the Tactical Exploitation System Light (TES-Light). These systems are stand alone systems, with multiple communications capability defined in UHF S-Band and terrestrial communications packages. The DTES is a self contained integrated system with multiple, remotable, reconfigurable workstations and communications capabilities in two High Mobility Multi-Wheeled Vehicles (HMMWVs) and a trailer. The TES-Light will be a stand alone, man portable system with workstation and communications capabilities that can be deployed in a scalable package based on mission requirements. These systems will accept, correlate, and integrate SIGINT and IMINT reports from national, theater, and corps collection/dissemination assets. Further information may be found in the Tactical Intelligence and Related Activities (TIARA) Congressional Budget Justification Book and the Joint Military Intelligence Program (JMIP) Congressional Budget Justification Book .

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

Justification:

FY02 and FY03 procures DTES and subcomponents of TES (Common Data Link, MiDAS Remote Trailer (MRT) and DB Master). These efforts were previously funded under BZ7315 TENCAP.

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: TACTICAL EXPLOITATION SYSTEM (TIARA) (BZ7317)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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							18640	4	4660	9280	2	4640	
Common Data Link (CDL)										4480	1	4480	
TES Light										3000	1	3000	
MiDAS							1425	1	1425				
CIP							850	1	850				
DE							575	1	575				
TSS							4500	1	4500				
DAMA capable Radio							6220	12	519				
MRT							1000	2	500	500	1	500	
DB Master							200	2	100	200	2	100	
Various H/W S/W for TES										116	2	58	
TES: Tactical Exploitation System													
DTES: Division TES													
TES-L: TES Light													
DAMA: Demand Assigned Multiple Access													
TSS: TriBand SATCOM Subsystem													
MiDAS: Miniaturized Data Acquisition Sys													
CIP: Commn Imagery processor													
DE: Dissemination Element													
Total							33410			17576			

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
DTES										
FY 2002	Northrop Grumman Linthicum, MD	SS/CPAF	Classified	2Q02	1Q 03	4	4660			
FY 2003	Northrop Grumman Linthicum, MD	SS/CPAF	Classified	2Q03	1Q 04	2	4640			
Common Data Link (CDL)										
FY 2003	L3 Communications Corp.	SS/CPAF	DET 8	3Q03		1	4480			
TES Light										
FY 2003	Northrop Grumman Linthicum, MD	SS/CPAF	Classified	2Q03	1Q04	1	3000			
MiDAS										
FY 2002	Classified	SS/CPAF	Classified	3Q02		1	1425			
CIP										
FY 2002	Northrop Grumman Linthicum, MD	C/CPAF	USAF ASC	3Q02	3Q03	1	850			
DE										
FY 2002	Lockheed Martin Philadelphia, PA	SS/CPAF	NIMA	3Q02		1	575			
TSS										
FY 2002	L3 Communications Corp.	SS/CPAF	DET 8	3Q02		1	4500			

REMARKS:

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
DAMA capable Radio										
FY 2002	Classified	SS/CPAF	Classified	3Q02		12	519			
MRT										
FY 2002	Classified	SS/CPAF	Classified	2Q02		2	500			
FY 2003	Classified	SS/CPAF	Classified	2Q03		1	500			
DB Master										
FY 2002	Classified	TBD	NRAD	2Q02		2	100			
FY 2003	Classified	TBD	NRAD	2Q03		2	100			
Various H/W S/W for TES										
FY 2003	Various	TBD	Various	2Q03		2	58			
	Various									

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

P-1 Item Nomenclature
DISTRIBUTED COMMON GRND SYSTEM (DCGS) (JMIP) (BZ7316)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost		2.5	2.8	2.8	2.6	2.6	2.7	2.7	1.0	64.8		84.4
Less PY Adv Proc									0.0	0.0		
Plus CY Adv Proc									0.0	0.0		
Net Proc (P-1)		2.5	2.8	2.8	2.6	2.6	2.7	2.7	1.0	64.8		84.4
Initial Spares												
Total Proc Cost		2.5	2.8	2.8	2.6	2.6	2.7	2.7	1.0	64.8		84.4
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

The Common Imagery Ground/Surface System (CIGSS) is a subcomponent of DCGS-A and a Department of Defense (DoD) project aggregating all imagery ground/surface systems into a single project. The CIGSS 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 CIGSS 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. CIGSS consolidated the Joint Service Imagery Processing System (JSIPS) program including the JSIPS-Navy, JSIPS-Air Force, JSIPS-Marine Corps, Enhanced Tactical Radar Correlator (ETRAC), Modernized Imagery Exploitation System (MIES), PACAF Interim National Exploitation System (PINES), and Tactical Exploitation Group (TEG) into a single project. ETRAC and MIES functionality are combined in the Tactical Exploitation System (TES) which are being fielded beginning in FY00. Further information can be found in the Joint Military Intelligence Program (JMIP) Congressional Budget Justification Book. 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:

FY 03 procures CIGSS components for TES.

This program was provided a supplemental fund called Defense Emergency Response Fund (DERF), as a non-add, for the following fiscal years with amounts: FY03 \$9M; FY04 \$13M; FY05 \$7M; FY06 \$3M; FY07 \$5M.

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: DISTRIBUTED COMMON GRND SYSTEM (DCGS) (JMIP) (BZ7316)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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
Procure DEs						1050	2	525	1150	2	575			
Procure CIP						1700	2	850	850	1	850	1700	2	850
GBS Phase II Terminal												200	2	100
Various HW/SW for TES						57	1	57	591	7	85	717	7	103
----- DERF funding detailed on P-40 is not included on this form														
Total						2807			2591			2617		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: DISTRIBUTED COMMON GRND SYSTEM (DCGS) (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
Procure DEs										
FY 2001	Lockheed Martin Philadelphia, PA	SS/CPAF	NIMA	2Q01	4Q01	2	525	YES		
FY 2002	Lockheed Martin Philadelphia, PA	SS/CPAF	NIMA	2Q02	4Q02	2	575	YES		
Procure CIP										
FY 2001	Northrop Grumman Linthicum, MD	C/CPAF	USAF ASC	2Q01	3Q02	2	850	YES		
FY 2002	Northrop Grumman Linthicum, MD	C/CPAF	USAF ASC	2Q02	3Q03	1	850	YES		
FY 2003	Northrop Grumman Linthicum, MD	C/CPAF	USAF ASC	2Q03	3Q04	2	850	YES		
GBS Phase II Terminal										
FY 2003	TBD Various		TBD	2Q03		2	100	YES		
Various HW/SW for TES										
FY 2001	Various		Various	2Q01	1Q02	1	57	YES		
FY 2002	Various		Various	2Q02	1Q03	7	85	YES		
FY 2003	Various		Various	2Q03	1Q04	7	103	YES		

REMARKS: DE : Dissemination Element
CIP: Common Imagery Processor

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	158.9	3.9	11.2	4.2	4.9	4.9	5.1	5.2	5.3	5.4		208.9
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)	158.9	3.9	11.2	4.2	4.9	4.9	5.1	5.2	5.3	5.4		208.9
Initial Spares												
Total Proc Cost	158.9	3.9	11.2	4.2	4.9	4.9	5.1	5.2	5.3	5.4		208.9
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

The TROJAN Classic (TC) is a combined split-based operations and mission training system which uses advanced networking technology to provide cryptologic support such as rapid radio relay and secure communications to U.S. forces throughout the world. TC provides commanders at division, corps and echelons above corps with real time access to SIGINT for split-based operations, pre-deployment training and live environment training from garrison. TROJAN operations are tailored to satisfy military intelligence unit training schedules and are surged during specific events to involve every aspect of the tactical intelligence collection, processing, analysis and reporting efforts. TC permits flexible near-real-time (NRT) split-based SIGINT mission operations in tactical units. Supports NRT contingency intelligence collection, predeployment planning and data base development for both CONUS and OCONUS based forces. Soldiers at unit garrison locations remotely control fixed collection sites or forward deployed mobile systems via secure satellite circuits that travel through a central switching network hub. The TROJAN control/switching/routing architecture provide gateways to common user networks such as the Joint Worldwide Intelligence Communications System (JWICS), SECRET Internet Protocol Router Network (SIPRNET), Global Communications System (GCS), Defense Information Systems Network (DISN) Asynchronous Transfer Mode (ATM) Services - Classified (DAS-C) Network, and various IDXX Networks.

Justification:

Funds are be used to procure enhanced hardware and conduct installation/fieldings for the major modernization of the TROJAN Classic radio frequency communications intelligence system. Developed and fielded in the mid-1980s in response to an operational readiness requirement to conduct Signals Intelligence (SIGINT) operations for the Commanders in Chief (CINCs) and maintain operational readiness. These enhancements are commonly known as TROJAN Classic XXI (TCXXI).

TCXXI modernization recapitalizes the existing TROJAN Classic remoting architecture and makes use of national level research, simulation and development activities. Additionally, TCXXI provides access to all known and evolving signaling technologies, exploiting internals and as well as externals, throughout the frequency spectrum.

Exhibit P-40C, Budget Item Justification Sheet

Date:

February 2002

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:

All new TCXXI collection, communications, forwarding, and interoperability capabilities will be in keeping with the Unified Cryptologic Architecture (UCA), the Common Remoting Architecture (CRS), developed IAW the Joint Technical Architecture – Army (JTA-A) standards, the Joint Tactical SIGINT Architecture (JTSA) standards, Ground SIGINT Standards Handbook (GSH), Ground SIGINT Architecture (GSA), and be Defense Information Infrastructure Common Operating Environment (DII/COE) standards architecture.

Also funds for intelligence/communications enhancements to the TROJAN automated switching architecture and TROJAN Network Control Center (TNCC).

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.

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: TROJAN (TIARA) (BA0326)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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
TROJAN CLASSIC XXI														
(MC03c) Hardware					1650	4	413	1650	4	413	1655	4	414	
(MC03d) Hardware					2275	3	759	2875	4	719	2853	4	714	
Integration/Fielding					300			332			365			
SUBTOTAL					4225			4857			4873			
TROJAN SPIRIT RECAP														
Hardware/Integration/Fielding														
SUBTOTAL														
Total					4225			4857			4873			

Exhibit P-40, Budget Item Justification Sheet

Date: February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	227.6	14.0	10.7	1.7	1.7	1.7	2.7	2.7	1.7	3.7		268.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	227.6	14.0	10.7	1.7	1.7	1.7	2.7	2.7	1.7	3.7		268.1
Initial Spares												
Total Proc Cost	227.6	14.0	10.7	1.7	1.7	1.7	2.7	2.7	1.7	3.7		268.1
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

Modifications of in service equipment (MODS) provide for materiel change/upgrades to: (1) Ground Surveillance Radar (GSR) for Interim Brigade Combat Team (IBCT). (2) Improved-Remotely Monitored Battlefield Sensor System (I-REMBASS) for IBCT.

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

Justification:

FY03 Procures ground intelligence hardware.

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	79.7	2.3			0.3	0.3	0.5	0.5	0.5	2.5		86.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	79.7	2.3			0.3	0.3	0.5	0.5	0.5	2.5		86.6
Initial Spares												
Total Proc Cost	79.7	2.3			0.3	0.3	0.5	0.5	0.5	2.5		86.6
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

CLASSIFIED PROGRAM: INFORMATION PROVIDED UPON REQUEST

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	94.3	9.4	4.8	1.7	1.4	1.4	2.2	2.2	1.2	1.2		119.7
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	94.3	9.4	4.8	1.7	1.4	1.4	2.2	2.2	1.2	1.2		119.7
Initial Spares												
Total Proc Cost	94.3	9.4	4.8	1.7	1.4	1.4	2.2	2.2	1.2	1.2		119.7
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

The Improved Remotely-Monitored Battlefield Sensor System (I-REMBASS) is a family of unattended sensors that provide an all weather, 24-hour, area surveillance, force protection, and target detection and classification capability to support the battlefield commander. I-REMBASS was fielded to MI Battalions in Army Airborne, Air Assault, and Light Divisions. Also the Special Operation Forces received this system and the 2nd Infantry Division in Korea where it is used to monitor the Demilitarized Zone (DMZ). I-REMBASS/REMBASSII is fielded to the Interim Brigade Combat Team (IBCTs).

The AN/PPS-5D is an all weather, man-portable, Ground Surveillance Radar (GSR) used for detecting moving wheel and track vehicles as well as personnel. The system detects moving vehicles out to 20 kms, and 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 Built-in-Test capability for a capability for a fault isolation rate of 85%.

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

Justification:

FY03 procures ground intelligence hardware.

Exhibit P-40M, Budget Item Justification Sheet

Date:

February 2002

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	2000 & PR	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	TC	Total
Y2K fixes for GR/CS and ARL											
1-99-07-0001	Operational	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3
IBCT-I REMBASS											
1-02-07-0001	Operational	0.0	1.5	0.8	1.1	1.1	1.1	0.9	0.9	0.0	7.4
AN/PRD-13(V2)											
1-97-07-0001	Operational	15.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.4
IBCT-Ground Surveillance Radar (GSR)											
1-02-07-0002	Operational	0.0	0.0	0.6	0.6	0.9	0.9	0.6	0.6	0.0	4.2
Totals		22.5	1.7	1.4	1.7	2.0	2.0	1.5	1.5	0.0	34.3

INDIVIDUAL MODIFICATION

Date: February 2002

MODIFICATION TITLE: Y2K fixes for GR/CS and ARL [MOD 1] 1-99-07-0001

MODELS OF SYSTEM AFFECTED:

DESCRIPTION/JUSTIFICATION:

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Installation Schedule:

Pr Yr	FY 2001				FY 2002				FY 2003				FY 2004				FY 2005					
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Inputs																						
Outputs																						

	FY 2006				FY 2007				FY 2008				FY 2009				To Complete	Totals				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
Inputs																						
Outputs																						0

METHOD OF IMPLEMENTATION:

Contract Dates: FY 2002

Delivery Date: FY 2002

ADMINISTRATIVE LEADTIME:

0 Months

FY 2003

PRODUCTION LEADTIME:

0 Months

FY 2004

FY 2004

INDIVIDUAL MODIFICATION

Date: February 2002

MODIFICATION TITLE (Cont): Y2K fixes for GR/CS and ARL [MOD 1] 1-99-07-0001

FINANCIAL PLAN: (\$ in Millions)

	FY 2000 and Prior		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Kit Quantity																				
Installation Kits																				
Y2K Fixes, Nonrecurring		7.3																		7.3
Equipment																				
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other																				
Interim Contractor Support																				
Installation of Hardware																				
FY 2000 & Prior Equip -- Kits																				
FY 2001 -- Kits																				
FY 2002 Equip -- Kits																				
FY 2003 Equip -- Kits																				
FY 2004 Equip -- Kits																				
FY 2005 Equip -- Kits																				
FY 2006 Equip -- Kits																				
FY 2007 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		7.3		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		7.3

INDIVIDUAL MODIFICATION

Date: February 2002

MODIFICATION TITLE: IBCT-I REMBASS [MOD 2] 1-02-07-0001

MODELS OF SYSTEM AFFECTED:

DESCRIPTION/JUSTIFICATION:

The I-REMBASS 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. I-REMBASS was fielded to MI Battalions in Army Airborne, Air Assault, and Light Divisions. Also the Special Operation Forces received this system and the 2nd Infantry Division in Korea where it is used to monitor the Demilitarized Zone (DMZ). FY02-FY07 Funds purchase I-REMBASS for IBCT.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Planned Contract Award: Dec 01 Dec02
 Planned Hardware Delivery: Sep 02 Sep03

Installation Schedule:

Pr Yr	FY 2001				FY 2002				FY 2003				FY 2004				FY 2005					
	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 2006				FY 2007				FY 2008				FY 2009				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 2002

Delivery Date: FY 2002

ADMINISTRATIVE LEADTIME:

FY 2003

FY 2003

0 Months

PRODUCTION LEADTIME:

FY 2004

FY 2004

0 Months

INDIVIDUAL MODIFICATION

Date: February 2002

MODIFICATION TITLE (Cont): IBCT-I REMBASS [MOD 2] 1-02-07-0001

FINANCIAL PLAN: (\$ in Millions)

	FY 2000 and Prior		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	RDT&E																			
Procurement																				
Kit Quantity																				
Installation Kits																				
Installation Kits, Nonrecurring																				
Equipment			8	1.2	4	0.6	4	0.9	6	0.9	4	0.9	4	0.9	4	0.9			34	6.3
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other				0.3		0.2		0.2		0.2		0.2								1.1
Interim Contractor Support																				
Installation of Hardware																				
FY 2000 & Prior Equip -- Kits																				
FY 2001 -- Kits																				
FY 2002 Equip -- Kits																				
FY 2003 Equip -- Kits																				
FY 2004 Equip -- Kits																				
FY 2005 Equip -- Kits																				
FY 2006 Equip -- Kits																				
FY 2007 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		1.5		0.8		1.1		1.1		1.1		0.9		0.9		0.0		7.4

INDIVIDUAL MODIFICATION

Date: February 2002

MODIFICATION TITLE: AN/PRD-13(V2) [MOD 3] 1-97-07-0001

MODELS OF SYSTEM AFFECTED:

DESCRIPTION/JUSTIFICATION:

The AN/PRD-12 is a man-transportable radio direction finding (DF) system fielded to Army units that performs intercept and line of bearing measurements and provides fix calculations when operating in the netted mode. The Army units rarely use the netting capability of the AN/PRD-12 as it is operationally difficult to establish and bears little influence on mission success. A requirement exists for an organic system to provide threat warning and situational awareness information directly to the supported unit. The system must be modular, very light weight, with minimal power requirements and configurable to support man-pack operations.

JUSTIFICATION: The AN/PRD-13(V)2 procurement is the replacement for the AN/PRD-12.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

	Planned	Accomplished
Contract Award Date	1QFY99	2QFY99
First Production Hardware Delivered	2QFY00	2QFY00
Contract Award - Option 1	2QFY00	2QFY00
Production Hardware Delivered	3QFY00	4QFY00-2QFY01

Installation Schedule:

Pr Yr	FY 2001				FY 2002				FY 2003				FY 2004				FY 2005			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Totals																				
Inputs																				
Outputs																				

	FY 2006				FY 2007				FY 2008				FY 2009				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		
Outputs																		0

METHOD OF IMPLEMENTATION:

Contract Dates: FY 2002

Delivery Date: FY 2002

ADMINISTRATIVE LEADTIME:

FY 2003

FY 2003

0 Months

PRODUCTION LEADTIME:

FY 2004

FY 2004

0 Months

INDIVIDUAL MODIFICATION

Date: February 2002

MODIFICATION TITLE (Cont): AN/PRD-13(V2) [MOD 3] 1-97-07-0001

FINANCIAL PLAN: (\$ in Millions)

	FY 2000 and Prior		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
Procurement																				
Kit Quantity																				
Installation Kits																				
Installation Kits, Nonrecurring																				
Equipment	139	9.0																	139	9.0
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data		0.2																		0.2
PM Support		0.9																		0.9
Support Equipment		2.3																		2.3
LPU for BCT (ES & EA)		2.7																		2.7
Contractor Support		0.1		0.2																0.3
Installation of Hardware																				
FY 2000 & Prior Equip -- Kits																				
FY 2001 -- Kits																				
FY 2002 Equip -- Kits																				
FY 2003 Equip -- Kits																				
FY 2004 Equip -- Kits																				
FY 2005 Equip -- Kits																				
FY 2006 Equip -- Kits																				
FY 2007 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		15.2		0.2		0.0		0.0		0.0		0.0		0.0		0.0		0.0		15.4

INDIVIDUAL MODIFICATION

Date: February 2002

MODIFICATION TITLE: IBCT-Ground Surveillance Radar (GSR) [MOD 4] 1-02-07-0002

MODELS OF SYSTEM AFFECTED:

DESCRIPTION/JUSTIFICATION:

The AN/PPS-5D is an all weather, man-portable, ground surveillance radar used for detecting moving wheel and track vehicles as well as personnel. The system detects moving vehicles out to 20 kms, and 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 Built-in-Test capability for a capability for a fault isolation rate of 85%. FY02-FY07 Funds purchase GSR for the IBCT.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Planned Contract Award: Dec 01 Dec02
 Planned Hardware Delievery: Dec 02 Dec03

Installation Schedule:

Pr Yr	FY 2001				FY 2002				FY 2003				FY 2004				FY 2005					
	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 2006				FY 2007				FY 2008				FY 2009				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 2002

Delivery Date: FY 2002

ADMINISTRATIVE LEADTIME:

FY 2003

FY 2003

0 Months

PRODUCTION LEADTIME:

FY 2004

FY 2004

0 Months

INDIVIDUAL MODIFICATION

Date: February 2002

MODIFICATION TITLE (Cont): IBCT-Ground Surveillance Radar (GSR) [MOD 4] 1-02-07-0002

FINANCIAL PLAN: (\$ in Millions)

	FY 2000 and Prior		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		TC		TOTAL		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
Procurement																					
Kit Quantity																					
Installation Kits																					
Installation Kits, Nonrecurring																					
Equipment					4	0.6	4	0.6	6	0.9	6	0.9	4	0.6	4	0.6			28	4.2	
Equipment, Nonrecurring																					
Engineering Change Orders																					
Data																					
Training Equipment																					
Support Equipment																					
Other																					
Interim Contractor Support																					
Installation of Hardware																					
FY 2000 & Prior Equip -- Kits																					
FY 2001 -- Kits																					
FY 2002 Equip -- Kits																					
FY 2003 Equip -- Kits																					
FY 2004 Equip -- Kits																					
FY 2005 Equip -- Kits																					
FY 2006 Equip -- Kits																					
FY 2007 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		0.6		0.6		0.9		0.9		0.6		0.6		0.0		0.0	4.2

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost		3.7	4.1	3.0	2.5	9.7	10.0	5.0	5.1	9.8		52.8
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)		3.7	4.1	3.0	2.5	9.7	10.0	5.0	5.1	9.8		52.8
Initial Spares												
Total Proc Cost		3.7	4.1	3.0	2.5	9.7	10.0	5.0	5.1	9.8		52.8
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

The Counter Intelligence/Human Intelligence (CI/HUMINT) Management System (CHIMS) is the tactical CI/HUMINT system. It meets the automation 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 Counter Intelligence 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 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 in compliance with OSD and Army Distributed Common Ground Station (DCGS-Army) planning. CHIMS will play a vital role in interim DCGS-A to be demonstrated at the 18th ABC in FY03 and at III Corps in FY04.

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

Justification:

FY03 Funding supports continued CHIMS product (CHATS V3, ITRT, and CI & I OPS WS) procurement and fielding. Fielding will be IAW the Army Order of Precedence (AOP). FY03 procures CHIMS systems to be fielded to IBCT 3. Additionally, FY03 procures CHIMS systems to be fielded to 2nd ID, 25th ID, 172nd IB, 501st MI Bde (EAC), Southcom HQs, and 221st MI BN (TE).

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: CI HUMINT INFO MANAGEMENT SYSTEM (CHIMS) (TIARA) (BK5275)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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													
--CHATS V2					333	16	20.8						
--CHATS V3											3072	96	32.0
--ITRT											1675	335	5.0
--CI & I OPS											1008	28	36.0
IBCT Hardware													
--IBCT CHATS V2					384	16	24.0	384	16	24.0			
--IBCT CHATS V3											512	16	32.0
--IBCT ITRT					112	44	2.5	154	44	3.5	220	44	5.0
--IBCT CI & I OPS					15	1	15.3	30	1	30.0	36	1	36.0
Other													
Total Package Fielding (TPF)					1476			1105			1974		
Support					680			799			1238		
Total					3000			2472			9735		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
--CHATS V2 FY 2001	Engineering System Solutions Frederick, MD	C/IDIQ	CECOM	Dec-00	Mar-01	16	21			
--CHATS V3 FY 2003	Engineering System Solutions Frederick, MD	C/IDIQ	CECOM	Dec-02	Mar-03	96	32			
--ITRT FY 2003	Engineering System Solutions Frederick, MD	C/IDIQ	CECOM	Dec-02	Mar-03	335	5			
--CI & I OPS FY 2003	Engineering System Solutions Frederick, MD	C/IDIQ	CECOM	Dec-02	Mar-03	28	36			
--IBCT CHATS V2 FY 2001	Engineering System Solutions Frederick, MD	C/IDIQ	CECOM	Dec-00	Mar-01	16	24			
FY 2002	Engineering System Solutions Frederick, MD	C/IDIQ	CECOM	Dec-01	Mar-02	16	24			
--IBCT CHATS V3 FY 2003	Engineering System Solutions Frederick, MD	C/IDIQ	CECOM	Dec-02	Mar-03	16	32			
--IBCT ITRT FY 2001	Engineering System Solutions Frederick, MD	C/IDIQ	CECOM	Dec-00	Mar-01	44	3			

REMARKS: Equipment costs vary by version. FY03 system unit cost increase is due to the inclusion of language translator software and change in system platforms. \$9M of DERF funds in FY02 accelerates fielding of CHIMS (CI & I OPS WS, CHATS, and ITRT respectively) to SOF Units, XVIII ABN Corps and III Corps.

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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 2002	Engineering System Solutions Frederick, MD	C/IDIQ	CECOM	Dec-01	Mar-02	44	4			
FY 2003	Engineering System Solutions Frederick, MD	SS/IDIQ	CECOM	Dec-02	Mar-03	44	5			
--IBCT CI & I OPS										
FY 2001	Engineering System Solutions Frederick, MD	C/IDIQ	CECOM	Dec-00	Mar-01	1	16			
FY 2002	Engineering System Solutions Frederick, MD	C/IDIQ	CECOM	Dec-01	Mar-02	1	30			
FY 2003	Engineering System Solutions Frederick, MD	SS/IDIQ	CECOM	Dec-02	Mar-03	1	36			

REMARKS: Equipment costs vary by version. FY03 system unit cost increase is due to the inclusion of language translator software and change in system platforms. \$9M of DERF funds in FY02 accelerates fielding of CHIMS (CI & I OPS WS, CHATS, and ITRT respectively) to SOF Units, XVIII ABN Corps and III Corps.

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	39.5	1.5	0.5	6.5	2.1	3.7	5.0	3.7	4.5	3.7		70.6
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)	39.5	1.5	0.5	6.5	2.1	3.7	5.0	3.7	4.5	3.7		70.6
Initial Spares												
Total Proc Cost	39.5	1.5	0.5	6.5	2.1	3.7	5.0	3.7	4.5	3.7		70.6
Flyaway U/C												
Wpn Sys Proc U/C												

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.

This program was provided a supplemental fund called Defense Emergency Response Fund (DERF), as a non-add, for the following fiscal years with amounts: FY03 \$2M; FY04 \$3M; FY05 \$5M; FY06 \$5M; FY07 \$5M.

Exhibit P-40C, Budget Item Justification Sheet

Date:

February 2002

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:

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. 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.

TROJAN SPIRIT II - funds for the procurement of hardware and related fieldings of Pre-Planned Product Improvements (P3I) to the existing 38 Army TROJAN SPIRIT II (TS II) (AN/TSQ-190 V) systems. TS II provides dedicated, secure, high capacity, SCI-high intelligence data processing and communications. It provides essential support for split-based, high-tempo operations from Divisions (DIV) to Echelons Above Corps (EAC), with its rapidly deployable, multi-level security, processor-to-processor, high capacity SATCOM capability. Funding will ensure current capabilities remain viable and serviceable until the existing systems can be functionally replaced by elements of the Army's Warfighter Information Network (WIN) during FY08-15.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: ITEMS LESS THAN \$5.0M (TIARA) (BK5278)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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
TROJAN SPIRIT LITE (V)														
Hardware					5700	6	950	1607	2	804	2850	3	950	
Integration/Fielding					319						343			
Sub Total					6019			1607			3193			
TROJAN SPIRIT P31														
Hardware														
Integration/Fielding														
AIMP														
Software/Publications					500			468			482			

DERF funding detailed on P-40 is not included on this form														
Total					6519			2075			3675			

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Hardware										
FY 2001	GLOBAL SATCOM Gaithersburg, MD	FFP	GSA	Jan 01	May 01	6	950	yes		
FY 2002	GLOBAL SATCOM Gaithersburg, MD		GSA	TBD		2	804	yes		
FY 2003	GLOBAL SATCOM Gaithersburg, MD		GSA	TBD		3	950	yes		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	21.8	19.9	19.7	15.9	1.7							79.0
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0							
Plus CY Adv Proc	0.0	0.0	0.0	0.0	0.0							
Net Proc (P-1)	21.8	19.9	19.7	15.9	1.7							79.0
Initial Spares												
Total Proc Cost	21.8	19.9	19.7	15.9	1.7							79.0
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.

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

Justification:

There is no FY03 funding

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: SHORTSTOP (VA8000)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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 (SEPS)					12190	66	185						
Hardware (Antennas)					689	66	11						
Ancillary Items					264								
Generators					330								
Government Engineering Support					601								
Contractor Engineering Support					647								
System Test and Evaluation					300								
Fielding					150								
Integrated Logistics Support								1692					
Contractor Logistics Support (CLS)					459								
Program Management					260								
Total					15890			1692					

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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

Weapon System Type:

P-1 Line Item Nomenclature:
SHORTSTOP (VA8000)

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
Hardware (SEPS)										
FY 2000	Condor/Whittaker Elect Sys Simi Valley, CA	SS/FFP	CECOM	Apr 00	May 01	92	175	No		
FY 2001	Condor/Whittaker Elect Sys Simi Valley, CA	SS/FFP	CECOM	Sep 01	Aug 02	48	185	No		
FY 2001	Condor/Whittaker Elect Sys Simi Valley, CA	SS/FFP	CECOM	Jun 02	May 03	18		No		
FY 2003										
Integrated Logistics Support										
FY 2002	Condor/Whittaker Elect Sys Simi Valley, CA	SS/FFP	CECOM	Jun 02	Jun 03					

REMARKS: FY01 funding of \$4.0M is on OSD withhold pending validation of a SEPS National Guard requirement by The Army G3.

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

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

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	9.6	1.7	2.9	2.3	2.3	2.3	2.3	2.4	2.4	2.5		30.8
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)	9.6	1.7	2.9	2.3	2.3	2.3	2.3	2.4	2.4	2.5		30.8
Initial Spares												
Total Proc Cost	9.6	1.7	2.9	2.3	2.3	2.3	2.3	2.4	2.4	2.5		30.8
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

CLASSIFIED PROGRAM: INFORMATION AVAILABLE UPON REQUEST

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	89	24	21	6								140
Gross Cost	261.2	57.5	48.3	23.9	1.9							392.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	261.2	57.5	48.3	23.9	1.9							392.8
Initial Spares	11.2	5.1	4.1	1.7	2.0							24.2
Total Proc Cost	272.4	62.6	52.4	25.7	3.9							416.9
Flyaway U/C												
Wpn Sys Proc U/C		2.4	2.3	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:

FY 03 has funding of 31,000 specifically for engineer support - simulations.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: FAAD GBS (WK5053)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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					11268	6	1878						
Trainers/Training					221			8					
Engineering Change Orders					591								
System Test and Evaluation					57								
Interim Contractor Support					5731								
Subtotal					17868			8					
Engineering Support													
Engineering Support - Labor					655								
Engineering Support - Simulations					565			29			31		
Engineering Support - Contractor					600								
Engineering Support Total					1820			29			31		
Initial Spares					1726					2036			
Fielding					1620					1246			
Subtotal					3346			3282					
System Software Changes					21								
Program Mgt/Admin													
PM/Admin Labor In house					1723			370					
PM/Admin Labor Contracts					892			219					
TOTAL PM/Admin					2636			589					
Total					25670			3908			31		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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	6	1878	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.

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost					31.4	26.5	18.4	14.2	14.4	14.5		
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)					31.4	26.5	18.4	14.2	14.4	14.5	Continuing	Continuing
Initial Spares												
Total Proc Cost					31.4	26.5	18.4	14.2	14.4	14.5	Continuing	Continuing
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 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 transition path of the Army Transformation Campaign Plan (TCP).

Note: Funding supports modernization of counter attack force.

Justification:

FY03 funds procure transmitter retrofit kits and ETRAC retrofit 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.

FY02 plus-up for USARPAC Trojan Lite

Exhibit P-40M, Budget Item Justification Sheet

Date:

February 2002

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	2000 & PR	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	TC	Total
Transmitter Improvements											
111-11	Operational	0.0	0.0	16.9	13.4	9.5	7.4	7.5	5.8	0.4	60.9
ETRAC Modifications											
111-12	Operational	0.0	0.0	14.5	13.1	8.9	6.8	6.9	8.7	0.3	59.2
Totals		0.0	0.0	31.4	26.5	18.4	14.2	14.4	14.5	0.7	120.1

INDIVIDUAL MODIFICATION

Date: February 2002

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 missile. Sentinel Modernization supports growth to multi-mission radar capability. Based on the multi-mission radar desired performance matrix, 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.

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 2001				FY 2002				FY 2003				FY 2004				FY 2005			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Totals																				
Inputs														6		6	6	6	6	6
Outputs														6		6	6	6	6	6

	FY 2006				FY 2007				FY 2008				FY 2009				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs	6	6	6	6	6		6	6	6	4								88
Outputs	6	6	6	6	6		6	6	6	4								88

METHOD OF IMPLEMENTATION:	Contractor's Facility	ADMINISTRATIVE LEADTIME:	4 Months	PRODUCTION LEADTIME:	23 Months
Contract Dates:	FY 2002 Feb 02	FY 2003 Feb 03		FY 2004 Feb 03	
Delivery Date:	FY 2002 Jan 04	FY 2003 Jan 05		FY 2004 Jan 06	

INDIVIDUAL MODIFICATION

Date: February 2002

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

FINANCIAL PLAN: (\$ in Millions)

	FY 2000 and Prior		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	RDT&E																			
Procurement																				
Kit Quantity																				
Installation Kits																				
Equipment					36	15.2	21	10.5	12	8.1	7	5.8	8	6.1	4	4.5			88	50.2
Engineering Change Orders						0.4		0.1		0.0		0.0		0.0		0.0				0.5
Data						0.3		0.2		0.2		0.1		0.1		0.1				1.0
Training Equipment								1.6												1.6
Program Management						1.0		1.0		1.0		1.1		0.9		0.9				5.9
Installation of Hardware																				
FY 2000 & Prior Equip -- Kits																				
FY 2001 -- Kits																				
FY 2002 Equip -- 36 Kits									12	0.2	24	0.4							36	0.6
FY 2003 Equip -- 21 Kits													21	0.3					21	0.3
FY 2004 Equip -- 12 Kits													3	0.1	9	0.2			12	0.3
FY 2005 Equip -- 7 Kits															3	0.1	4	0.1	7	0.2
FY 2006 Equip -- 8 Kits																	8	0.2	8	0.2
FY 2007 Equip -- 4 Kits																	4	0.1	4	0.1
TC Equip- Kits																				
Total Installment		0.0		0.0		0.0		0.0	12	0.2	24	0.4	24	0.4	12	0.3	16	0.4	88	1.7
Total Procurement Cost		0.0		0.0		16.9		13.4		9.5		7.4		7.5		5.8		0.4		60.9

INDIVIDUAL MODIFICATION

Date: February 2002

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. FY02 plus-up for USARPAC Trojan Lite

Note: Funding supports modernization of counter attack force.

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 2001				FY 2002				FY 2003				FY 2004				FY 2005			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Totals																				
Inputs														6		6	6	6	6	6
Outputs														6		6	6	6	6	6

	FY 2006				FY 2007				FY 2008				FY 2009				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs	6	6	6	6		6		6	6	6	4							88
Outputs	6	6	6	6		6		6	6	6	4							88

METHOD OF IMPLEMENTATION:	Contractor's Facility	ADMINISTRATIVE LEADTIME:	8 Months	PRODUCTION LEADTIME:	19 Months
Contract Dates:	FY 2002 Jun 02	FY 2003 Jun 03		FY 2004 Jun 04	
Delivery Date:	FY 2002 Jan 04	FY 2003 Jan 05		FY 2004 Jan 06	

INDIVIDUAL MODIFICATION

Date: February 2002

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

FINANCIAL PLAN: (\$ in Millions)

	FY 2000 and Prior		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	RDT&E																			
Procurement																				
Kit Quantity																				
Installation Kits																				
Equipment					27	13.2	22	11.0	12	7.7	8	5.6	8	5.8	11	7.8			88	51.1
Engineering Change Orders						0.3		0.1		0.0		0.0		0.0		0.0				0.4
Data						0.3		0.2		0.3		0.2		0.2		0.2				1.4
Training Equipment								1.1												1.1
Program Management						0.7		0.7		0.7		0.7		0.6		0.6				4.0
Installation of Hardware																				
FY 2000 & Prior Equip -- Kits																				
FY 2001 -- Kits																				
FY 2002 Equip -- 27 Kits									12	0.2	15	0.2							27	0.4
FY 2003 Equip -- 22 Kits											9	0.1	13	0.2					22	0.3
FY 2004 Equip -- 12 Kits													11	0.1	1	0.0			12	0.1
FY 2005 Equip -- 8 Kits															8	0.1			8	0.1
FY 2006 Equip -- 8 Kits															3	0.0	5	0.1	8	0.1
FY 2007 Equip -- 11 Kits																	11	0.2	11	0.2
TC Equip- Kits																				
Total Installment		0.0		0.0		0.0		0.0	12	0.2	24	0.3	24	0.3	12	0.1	16	0.3	88	1.2
Total Procurement Cost		0.0		0.0		14.5		13.1		8.9		6.8		6.9		8.7		0.3		59.2

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty		12194	22117	28883	10434	9666	15698	26162	12801	15325	Continuing	Continuing
Gross Cost	1170.9	53.2	57.2	89.3	38.1	60.5	73.2	146.9	190.9	210.5		
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)	1170.9	53.2	57.2	89.3	38.1	60.5	73.2	146.9	190.9	210.5	Continuing	Continuing
Initial Spares												
Total Proc Cost	1170.9	53.2	57.2	89.3	38.1	60.5	73.2	146.9	190.9	210.5	Continuing	Continuing
Flyaway U/C												
Wpn Sys Proc U/C		4.4	2.6	3.1	3.7	6.3	4.7	5.6	14.9	13.7		

Description:

Night Vision Devices (KA3500) is a summary budget line including the following (1) 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 (the soldier views the AN/PVS-7 with both eyes). Beginning in FY05 the production will begin transitioning 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) The 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) The K31300 AN/VAS-5 DVE is an uncooled thermal imaging system developed for use on combat and tactical wheeled vehicles. (4) The 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) The 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. Through FY98, this roll line also included K22900 AN/PAS-13 Thermal Weaon Sight (TWS), K38400 AN/PLQ-8 Target Location and Observation System (TLOS), K38300 Long Range Advanced Scout Surveillance System (LRAS3), and K30800 AN/PVH-1&2 Lightweight Video Reconnaissance System (LVRS). These programs support the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

Justification:

FY 2003 funds will continue procurement of AN/PVS-7, AN/PEQ-2A and AN/VAS-5 DVE systems. Fielding continues to Special Operations Forces, 75th Ranger Regiment, 10th Mountain, and Brigade Combat Team (BCT) units. This program includes the AN/PVS-7/14, AN/PEQ-2A IT/PIAL, AN/PVS-10 SNS and the AN/VAS-5 DVE.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: NIGHT VISION DEVICES (KA3500)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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					57836	17072	4	35092	9361	4	42866	7315	6
Infrared Aiming Light, AN/PAQ-4/PEQ-2					15382	10957	2	1033	1000	2	6966	1800	4
Night Vision, AN/PVS 6 MELIOS					2873	91	32						
Night Vision, Driver's Vision Enhancer					11458	674	17	1999	73	28	1935	71	28
Night Vision, Sniper Night Sight (BCT)					1726	180	10				8708	480	19
TOTAL					89275			38124			60475		
Total					89275			38124			60475		

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

P-1 Item Nomenclature
NIGHT VISION, AN/PVS-6 MELIOS (B53800)

Program Elements for Code B Items:

Code:
A

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	8501											8501
Gross Cost	88.0	3.1		2.9								94.1
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)	88.0	3.1		2.9								94.1
Initial Spares												
Total Proc Cost	88.0	3.1		2.9								94.1
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

Funds initial testing and production of significant capability improvements to the currently fielded Mini Eyesafe Laser Infrared Observation Set (MELIOS) with Compass/Vertical Angle Measurement module system. Major areas of improvement, under development through an FY00 Congressional plus-up of to RDTE PE/PROJ 0604710A L70, are digital connectivity for precise and rapid fire support missions, an upgraded display, and an interface with an Image Intensification device for 24-hour mission capability. The FY 2001 Congressional plus-up funding supports an emerging requirement from the Army's Field Artillery School for providing digital connectivity with Fire Support computer systems, as well as incorporating a night vision capability for 24 hour operational capability. Planned fielding for FY 2001 upgraded systems would be to TRADOC training base and Field Artillery Forward Observers in the Counter Offensive Force / Counter Attack Corps.

Justification:

There are currently no funds planned for FY03.

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty			86	674	73	71	469	887	1801	1003	Continuing	Continuing
Gross Cost			3.5	11.5	2.0	1.9	8.9	16.1	40.7	23.6		
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)			3.5	11.5	2.0	1.9	8.9	16.1	40.7	23.6	Continuing	Continuing
Initial Spares												
Total Proc Cost			3.5	11.5	2.0	1.9	8.9	16.1	40.7	23.6	Continuing	Continuing
Flyaway U/C												
Wpn Sys Proc U/C			40.5	17.0	27.4	27.3	19.0	18.2	22.6	23.5		

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 platform movement of combat vehicles in support of their operational missions and provides for quicker turnaround time and movement of supplies to forward deployed units. DVE facilitates fast paced "Own The Night" force projection operations by providing enhanced mobility during darkness and in degraded battlefield conditions (smoke, dust, fog). The DVE will increase the combat effectiveness of the Transformation Force by addressing the mobility requirements. The Transformation Force will be able to perform its mission during periods of limited visibility. The AN/VAS-5 DVE initiative is part of the Infantry Modernization Plan. This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

Justification:

The FY 2003 funding will continue the procurement of DVE systems to be fielded on the TOW HMMWV vehicle in the 82nd Airborne Division, 2nd Infantry Division, 10th Mountain Division, SETAF(1/508 Infantry), and the 101st Airborne Assault Division.

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: DRIVER VISION ENHANCER (DVE) (K31300)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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				10292	674	15	1224	72	17	1222	71	17
Program Management Admin					262			131			134		
Engineering Support					388			395			402		
Engineering Change Orders					412			44			45		
Testing					104								
Fielding								133			132		
Borelights								72					
Total					11458			1999			1935		
Total					11458			1999			1935		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
AN/VAS-5 Driver's Vision Enhancer (DVE)										
FY 2001	Raytheon Dallas, TX	Option	CECOM	Oct 01	Jun 02	674	15	Yes		
FY 2002	Raytheon Dallas, TX	Option	CECOM	Jan 02	Jun 03	72	17	Yes		
FY 2003	TBS	C/FPM3-1	CECOM	Jan 03	Jun 04	71	17	Yes		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	32860	5000	14500	10957	1000	1800	1800	2200	1300	1300		72717
Gross Cost	37.0	10.6	8.9	15.4	1.0	7.0	7.0	15.5	14.5	14.5		131.4
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)	37.0	10.6	8.9	15.4	1.0	7.0	7.0	15.5	14.5	14.5		131.4
Initial Spares												
Total Proc Cost	37.0	10.6	8.9	15.4	1.0	7.0	7.0	15.5	14.5	14.5		131.4
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:

The AN/PAQ-4 IAL is a lightweight, weapon mounted and boresighted infrared aiming light. The aiming light output is visible only when used with a night vision goggle, such as the AN/PVS-7. This also includes the AN/PEQ-2A Infrared Target Pointer/Infrared Aiming Light.

Justification:

The FY03 funds will acquire critically needed AN/PEQ-2A Infrared Target Pointer/Infrared Aiming Lights to be fielded to first-to-fight units.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: INFRARED AIMING LIGHT, AN/PAQ-4 (K35000)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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				12428	10000	2	703	800	1	6696	1800	4
AN/PAQ-4C Infrared Aiming Light	A				2000	5000	1						
Government Engineering Support					474			292			270		
Gov't Limited User Test													
Engineering Change Orders (ECO)													
2nd IBCT					480								
Total					15382			995			6966		
Borelights								38					
Total					15382			1033			6966		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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/PAQ-4 (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
AN/PEQ-2A Infrared Target Pointer/IAL										
FY 2000	Insight Technology (PEQ-2) Nashua, NH	C/IDIQ	CECOM	Mar 00	Dec 00	4500	1	Yes		
FY 2001	TBS (PEQ-2A)	C/FPIDIQ	CECOM	Aug 01	Nov01	10000	2	Yes		
FY 2002	TBS (PEQ-2A)	C/FPIDIQ	CECOM	Mar 02	Aug 02	800	1	Yes		
FY 2003	TBS (PEQ-2A)	C/FPIDIQ	CECOM	Dec 02	Jun 03	1800	4	Yes		
AN/PAQ-4C Infrared Aiming Light										
FY 2000	Insight Technology (PAQ-4) Nashua, NH	C/IDIQ	CECOM	Mar 00	Apr 00	10000	1	Yes		
FY 2001	Insight technology londonderry, NH	C/FPIDIQ	CECOM	Dec 00	Jun 01	5000	1	Yes		

REMARKS: Unit Cost for AN/PAQ-4C in FY 2000 was \$400.00

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

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

Program Elements for Code B Items:

Code:
A

Other Related Program Elements:

64710 A DL70

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	148305	7194	7531	17072	9361	7315	12929	22501	9109	12413	Continuing	Continuing
Gross Cost	865.5	39.4	44.8	57.8	35.1	42.9	48.4	105.1	125.1	161.6		
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)	865.5	39.4	44.8	57.8	35.1	42.9	48.4	105.1	125.1	161.6	Continuing	Continuing
Initial Spares												
Total Proc Cost	865.5	39.4	44.8	57.8	35.1	42.9	48.4	105.1	125.1	161.6	Continuing	Continuing
Flyaway U/C												
Wpn Sys Proc U/C		5.5	5.9	3.4	3.7	5.9	3.7	4.7	13.7	13.0		

Description:

The AN/PVS-7/14 systems support the Army Transformation objectives by increasing situational awareness, mobility, and lethality during times of limited visibility. 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 darkness 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. Beginning in FY05, production will begin transitioning to the Enhanced Night Vision Goggle (ENVG). The ENVG will be a lightweight device providing soldiers the ability to engage and execute Close Combat (including Military Operations on Urbanized Terrain (MOUT)), Combat Support, and Combat Service Support operations in all light levels, adverse weather, and battlefield obscurant conditions. The ENVG will incorporate state-of-the-art image intensifier and uncooled long-wave infrared (thermal) technologies as well as a head-mounted display and low-power electronics. It will provide high resolution, fused imagery in a small, lightweight, reliable package that will interface with the Land Warrior system. This lightweight package will provide the soldier with significantly improved mobility and situational awareness capabilities over existing image intensified night vision devices. The ENVG will enhance Interim Force individual soldier survivability, lethality, and tactical mobility and will be poised to capitalize on advances in technology providing revolutionary enhancements for the Objective Force in all operating environments. While the AN/PVS-7 and AN/PVS-14 systems support the Legacy and Interim Forces, the ENVG program will take the best legacy system attributes and combine them with emerging technologies to support the Legacy to Objective Force transition path of the Transformation Campaign Plan (TCP).

Justification:

FY 2003 procures AN/PVS-7 systems for fielding to fulfill night vision equipment shortages in Special Operations Forces (SOF), 82ND Airborne (ABN), 3rd Infantry Division (3ID), 25th Infantry Division (25ID), 1ST CAV, 2nd and 3rd Armored Cavalry Regiment (ACR) units. 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-7 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.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: NIGHT VISION, AN/PVS-7 AID (K36400)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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				36270	12472	3	30422	9286	4	38579	11582	4
25MM GEN III Image Tubes					4487	1113	5						
25MM Mntng Brckts, Rail grabbers, etc.													
Government Engineering Support								887			1125		
Project Management Admin					1009			1340			1700		
Fielding					677			412			522		
Contractor Engineering Support					1211			741			940		
Engineering Change Order (ECO)													
Data/Technical Pubs													
Testing					6								
2nd BCT (PVS-7/14) H/W					14101	4600	4						
Training Aid					75								
Borelights								1290					
Total					57836			35092			42866		
Total					57836			35092			42866		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
AN/PVS-7/14										
FY 2001	ITT ROANOKE, VA	Option	CECOM	Dec 00	Jun 01	4983	3	YES		
FY 2001	LITTON TEMPE, AZ	Option	CECOM	Feb 01	Feb 02	7489	3	YES		
FY 2001 BCT	ITT ROANOKE, VA	Option	CECOM	Dec 00	Jul 01	2403	3	YES		
FY 2001 BCT	LITTON TEMPE, AZ	Option	CECOM	Feb 01	Dec 02	2197	3	YES		
FY 2002	TBS TBD	C/FPM	CECOM	Apr 02	Apr 03	9286	3	Yes		1Q FY02
FY 2003	TBS TBD	C/FPM	CECOM	Dec 02	Sep 03	11582	3	Yes		1Q FY02
25MM GEN III Image Tubes										
FY 2001	ITT ROANOKE, VA	Option	CECOM	Apr 01	Sep 01	683	4	YES		
FY 2001	ITT ROANOKE, VA	Option	CECOM	Aug 01	Feb 02	430	4	YES		

REMARKS: The \$1.4M recorded on the P5 exhibit for Borelights was allocated to K36400.

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

P-1 Item Nomenclature
SNIPER NIGHT SIGHT (K41500)

Program Elements for Code B Items:

Code:
A

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	60190			180		480	500	574	591	609		63124
Gross Cost	180.3			1.7		8.7	8.9	10.2	10.5	10.8		231.3
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)	180.3			1.7		8.7	8.9	10.2	10.5	10.8		231.3
Initial Spares												
Total Proc Cost	180.3			1.7		8.7	8.9	10.2	10.5	10.8		231.3
Flyaway U/C												
Wpn Sys Proc U/C				0.0		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. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

Justification:

FY 2003 funds will procure 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.

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: SNIPER NIGHT SIGHT (K41500)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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						1665	180	10				7291	480	16
Program Management Admin						61						697		
CLS												100		
Fielding												299		
ECP												171		
Testing												150		
Total						1726						8708		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
AN/PVS-10 SNS Hardware										
FY 2001	Litton Garland, TX	C/FFP	CECOM	Jun 01	Jun 02	180	10	Yes		
FY 2003	TBS TBD	C/FFP	CECOM	Dec 02	Jan 03	480	16	Yes		

REMARKS: FY01 - Sole source award to Litton to met BCT requirements.

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty			60	77	80	105	110	112	91	2	Continuing	Continuing
Gross Cost			45.0	45.7	44.2	49.9	51.2	51.1	43.3	1.8		
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	44.2	49.9	51.2	51.1	43.3	1.8	Continuing	Continuing
Initial Spares												
Total Proc Cost			45.0	45.7	44.2	49.9	51.2	51.1	43.3	1.8	Continuing	Continuing
Flyaway U/C												
Wpn Sys Proc U/C			750.6	593.9	556.7	477.8	468.7	460.3	481.7	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 line-of-sight multi-sensor suite, which provides a real-time target detection, recognition, and identification capability to the scout 24 hours a day in all weather conditions. LRAS3 also automatically determines far target location (FTL) coordinates for any target ranged to by the operator. LRAS3 enables information superiority by interfacing with FBCB2 to provide target acquisition and FTL information, which supports early and accurate intelligence preparation of the battlespace. The LRAS3 program is one of the top priority systems of the US Army Armor Center and HQ TRADOC that supports the Transformation Force (IBCT). Currently, US Army scouts 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. LRAS3 will utilize the Horizontal Technology Integration (HTI) Second Generation FLIR (SGF) thermal sensor, which will enable scouts to operate 24 hours a day in adverse weather and penetrate battlefield obscurants. LRAS3 will significantly increase the survivability of scout forces through its standoff capability, allowing them to continue their mission as the eyes of the commander on the battlefield. This system is a key enabling technology for the Transformation Force (Interim Brigade Combat Team (IBCT)) and supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

Justification:

The FY 2003 funds will continue the procurement of LRAS3, with the systems being fielded to the 3rd Brigade of the Transformation Force (IBCT), 82nd Airborne Division and 2nd Infantry Division, directly in line with the Army Order of Precedence (AOP) for fielding. The initial five year multiyear procurement from FY 2000 to FY 2004 was competitively awarded.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: LONG RANGE ADVANCED SCOUT SURVEILLANCE SYSTEM (K38300)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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				35073	77	456	35874	80	448	44808	105	427
Engineering Support					1952			2100			2142		
Project Management Admin					651			700			714		
Engineering Change Orders					1250			868			1094		
Testing					1717			1204			1169		
Fielding					3366								
Interim Contractor Support					1724			3447					
Total					45733			44193			49927		
Total					45733			44193			49927		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
K38300 LRAS3										
FY 2001	Raytheon Systems Co. McKinney, TX	C/FPM5-2	CECOM	Dec 00	Feb 02	77	456	Yes		
FY 2002	Raytheon Systems Co. McKinney, TX	C/FPM5-3	CECOM	Dec 01	Feb 03	80	448	Yes		
FY 2003	Raytheon Systems Co. McKinney, TX	C/FPM5-4	CECOM	Dec 02	Feb 04	105	427	Yes		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

P-1 Item Nomenclature
LTWT VIDEO RECON SYSTEM (LWVRS) (K30800)

Program Elements for Code B Items:

Code:
A

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	224	27	141	24	16	476	480	864	872	868	Continuing	Continuing
Gross Cost	7.2	5.0	4.9	1.2	1.3	14.3	14.4	29.6	29.9	30.4		
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)	7.2	5.0	4.9	1.2	1.3	14.3	14.4	29.6	29.9	30.4	Continuing	Continuing
Initial Spares												
Total Proc Cost	7.2	5.0	4.9	1.2	1.3	14.3	14.4	29.6	29.9	30.4	Continuing	Continuing
Flyaway U/C												
Wpn Sys Proc U/C		0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	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 provide 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) Out Station 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:

FY 2003 procures systems for fielding to United States Army Special Operations Command (USASOC), for Special Forces surveillance units.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: LTWT VIDEO RECON SYSTEM (LWVRS) (K30800)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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/PVH-1&2 LVRS (Base & Out Stations)	A				698	24	30	455	12	38	11744	403	30
Project Management Admin					45			50			53		
Government Engineering					206			270			290		
Contract Engineering Spt					15			379			395		
Fielding								126			1202		
Interim Contractor Support					107			32			36		
ECP					111			17			357		
Testing					6						241		
Total					1188			1329			14318		
Total					1188			1329			14318		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
AN/PVH-1&2 LVRS (Base & Out Stations)										
FY 2001	Phototelesis San Antonio, TX	SS/FP	CECOM	Mar 02	Oct 02	24	30	Yes		
FY 2002	Phototelesis San Antonio, TX	SS/FP	CECOM	Mar 02	Oct 02	12	38	Yes		
FY 2003	Phototelesis San Antonio, TX	Option	CECOM	Nov 02	Jun 03	403	30	Yes		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

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

Program Elements for Code B Items:

Code:
A

Other Related Program Elements:

64710A DL70

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	2367	1014	1339	1273	1767	2970	3870	4548	5198	5569	Continuing	Continuing
Gross Cost	91.6	40.0	40.1	36.0	36.1	52.1	51.6	69.0	80.1	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)	91.6	40.0	40.1	36.0	36.1	52.1	51.6	69.0	80.1	86.6	Continuing	Continuing
Initial Spares												
Total Proc Cost	91.6	40.0	40.1	36.0	36.1	52.1	51.6	69.0	80.1	86.6	Continuing	Continuing
Flyaway U/C												
Wpn Sys Proc U/C		39.4	29.9	28.3	20.4	17.5	13.3	15.2	15.4	15.5		

Description:

The AN/PAS-13 Thermal Weapon Sight (TWS) 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 structured to take advantage of technological advances to facilitate insertion of new 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 Omnibus 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 Interim Brigade Combat Team (IBCT) dismounted soldiers and may be installed as the target acquisition system for the platform crew served weapon on the Interim Armored Vehicle (IAV). This system 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:

FY2003 procures TWS systems for fielding to Special Operations Forces, 25th Infantry, 10th Mountain Division, 82nd Airborne, 101st Airborne, TRADOC and Military Police. 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."

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: NIGHT VISION, THERMAL WPN SIGHT (K22900)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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				14503	838	18	3342	180	19	14410	845	18
AN/PAS-13 TWS Heavy					7215	435	17	14210	870	17	13861	848	17
AN/PAS-13 TWS Medium								8221	833	10	11283	1287	9
AN/PAS-13 TWS Light					4134						2523		
Qualification Hardware					1009			1046			1082		
Government Engineering Support					1294			1365			1473		
Project Management Admin					2339			3288			3460		
Fielding					1007			1067			1114		
Contractor Engineering Support								622			926		
Interim Contractor Support					1021			1050			950		
Testing					2500			644			989		
ECP					993								
BCT								1200					
Digital Melios													
Total						36015			36055			52071	
Total					36015			36055			52071		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
AN/PAS-13 Thermal Weapon Sight (TWS)										
FY 2001	Raytheon Dallas, TX	Options	CECOM	May 01	Mar 02	1273	17	Yes		
FY 2002	Raytheon Dallas, TX	Options	CECOM	Jan 02	Nov 02	1050	17	Yes		
FY 2002	Raytheon Dallas, TX	Options	CECOM	May 02	Mar 03	833	9	Yes		
FY 2003	Raytheon Dallas, TX	Options	CECOM	Dec 02	Oct 03	1693	17	Yes		
FY 2003	TBS TBD	C/FPM	CECOM	Jan 03	Jan 04	1287	9	Yes		
Digital Melios										
FY 2002	Northup Grumman Apopka, FL	C/FFP	CECOM	Jun 02	Apr 03	100	12	Yes		

REMARKS: The \$1.2M reported on the P5 exhibit for Digital MELIOS should be reprogrammed to SSN B53800, MELIOS funding line.

The May 02 award represents LTWS. The LTWS is awaiting the System Evaluation Report (SER) from the Army Test and Evaluation Command (ATEC).

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty				100	348							448
Gross Cost				10.9	10.4							21.4
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)				10.9	10.4							21.4
Initial Spares												
Total Proc Cost				10.9	10.4							21.4
Flyaway U/C												
Wpn Sys Proc U/C				0.1	0.0							

Description:

The Individual Combat Identification System (ICIDS) is a lightweight, laser-based, question and answer type system, used by the individual soldiers to positively identify friendly soldiers. The system includes a compact, eyesafe laser interrogator, a laser detector assembly, an electronic processor unit, and an omni-directional radio frequency (RF) responder. The laser interrogator also includes an aiming laser pointer for aiming the soldier's weapon at night when using Night Vision Goggles and provides an embedded training capability that is interoperable with MILES/MILES 2000 training systems. The system will provide combat identification beyond the effective range of the weapon and will exceed the soldier's target acquisition capability under degraded atmospheric conditions. The system will also have a migration path for interoperability and commonality with the combat identification functions to be embedded in the Land Warrior equipment suite. 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 ICIDS represents an integral part of that strategy as it works to reduce incidents of fratricide and increase combat effectiveness. The system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

Justification:

There is no FY03 funding

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: COMBAT IDENTIFICATION / AIMING LIGHT (BA0515)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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. NRE/Initial Production Facility (IPF)						5377			507					
2. P3I									1920					
2. ICIDS						4031	100	41	6263	348	18			
3. Project Management Admin									750					
4. System Test and Evaluation						1244								
5. Technical Data						154			122					
6. ECOs						133								
7. Fielding/Other Procurement									861					
Total						10939			10423					

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
2. ICIDS										
FY 2001	Motorola Scottsdale, AZ	SS/FP	CECOM, Ft. Monmouth, NJ	Sep 01	Mar 03	100	41	No	NA	Mar 01
FY 2002	Motorola Scottsdale, AZ	SS/Option	CECOM, Ft. Monmouth, NJ	Mar 02	May 03	348	18			

REMARKS: Sole source contract is required because Motorola 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.

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty		159	197	117	120	184	173	75	75	44		1144
Gross Cost	340.9	10.8	4.3	14.3	10.3	5.4	11.4	12.6	12.6	7.8		430.3
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)	340.9	10.8	4.3	14.3	10.3	5.4	11.4	12.6	12.6	7.8		430.3
Initial Spares												
Total Proc Cost	340.9	10.8	4.3	14.3	10.3	5.4	11.4	12.6	12.6	7.8		430.3
Flyaway U/C												
Wpn Sys Proc U/C		68.1	21.7	122.0	52.1	0.0	0.0	0.0	0.0	0.0		

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).

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

Justification:

The FY03 funds support fielded units and readiness requirements with conventional and Paladin versions of the Muzzle Velocity System (MVS), Meteorological Measuring System (MMS) and the Improved Position and Azimuth Determining System (IPADS).

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: ARTILLERY ACCURACY EQUIP (AD3200)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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						3444			3124			3387		
Meterological Measuring System						10829			6729					
Position Azimuth Determining System (PAD)									480			2015		
Total						14273			10333			5402		

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	296	150	197	103	200	184	118					1248
Gross Cost	30.0	4.3	4.3	3.4	3.1	3.4	2.1					50.6
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	
Net Proc (P-1)	30.0	4.3	4.3	3.4	3.1	3.4	2.1					50.6
Initial Spares												
Total Proc Cost	30.0	4.3	4.3	3.4	3.1	3.4	2.1					50.6
Flyaway U/C												
Wpn Sys Proc U/C		28.9	21.7	33.4	15.6	0.0	0.0					

Description:

The Muzzle Velocity System (MVS) Conventional 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 will 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 training, together with the production hardware for fielding and additional related hardware, Muzzle Velocity Communications Adapters (MCA). Procurement quantity reflects combined total M93 and M94 MVS procurements. This system supports the Legacy transition path of the Transformation Campaign Plan (TPC).

Justification:

The FY03 procurement supports fielded units and readiness requirements for both conventional and Paladin versions of the Muzzle Velocity System.

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: ARTY MUZZLE VELOCITY SYSTEM (AD3250)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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 M93 Fld Inst Kit									125	40	3.1	875	125	7.0
2. Hardware M93 Wpn Inst Kit												437		
3. Hardware M94 Conv MVS					1751	103	17.0	1139	80	14.2	850	59	14.4	
4. Hardware M94 MVS Comm Adap					788	225	3.5	900	216	4.2	312	50	6.2	
5. Initial Contr Supt/Software Supt					120			120			120			
6. Engineering Support					84			56			43			
7. Quality Assurance					40			50			40			
8. Logistics Support					123			162			166			
9. Fielding/NET					10			70			100			
10. Follow-On Testing					528			251			163			
11. Mod-In Serv								251			281			
Total									3124			3387		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
1. Hardware M93 Fld Inst Kit										
FY 2002	RSI Electronics Poughkeepsie, NY	SS/FFP	TACOM-Rock Island	Jan 02	Aug 02	40	12	Y	N	
FY 2003	RSI Electronics Poughkeepsie, NY	SS/FFP	TACOM-Rock Island	Dec 02	Apr 03	125	12	Y	N	
2. Hardware M93 Wpn Inst Kit										
FY 2003	RSI Electronics Poughkeepsie, NY	SS/FFP	TACOM-Rock Island	Dec 02	Apr 03		12	Y	N	
3. Hardware M94 Conv MVS										
FY 2000	RSI Electronics Poughkeepsie, NY	SS/FFP	TACOM-Rock Island	Jan 00	Apr 00	197	17	Y	N	
FY 2001	RSI Electronics Poughkeepsie, NY	SS/FFP	TACOM-Rock Island	Jan 01	Jul 01	103	17	Y	N	
FY 2002	RSI Electronics Poughkeepsie, NY	SS/FFP	TACOM-Rock Island	Dec 01	Feb 02	80	17	Y	N	
FY 2003	RSI Electronics Poughkeepsie, NY	SS/FFP	TACOM-Rock Island	Dec 02	Jan 03	59	17			
4. Hardware M94 MVS Comm Adap										
FY 2000	RSI Electronics Poughkeepsie, NY	SS/FFP	TACOM-Rock Island	Jan 00	Apr 00	277	4	Y	N	
FY 2001	RSI Electronics Poughkeepsie, NY	SS/FFP	TACOM-Rock Island	Jan 01	Mar 01	225	4	Y	N	
FY 2002	RSI Electronics Poughkeepsie, NY	SS/FFP	TACOM-Rock Island	Dec 01	Jan 02	216	4	Y	N	
FY 2003	RSI Electronics Poughkeepsie, NY	SS/FFP	TACOM-Rock Island	Dec 02	Feb 03	50	4	Y	N	

REMARKS: The FY 00-03 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. Balance of M93 MVS to satisfy increased BOIP. (Basis of Issue Plan).

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

P-1 Item Nomenclature
METEOROLOGICAL MEASURING SYS (K27800)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	127	9		14								150
Gross Cost	124.4	6.5		10.8	6.7							148.4
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)	124.4	6.5		10.8	6.7							148.4
Initial Spares												
Total Proc Cost	124.4	6.5		10.8	6.7							148.4
Flyaway U/C												
Wpn Sys Proc U/C		721.2		773.5								

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 FY03 FUNDING.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: METEOROLOGICAL MEASURING SYS (K27800)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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						9611	14	687	5667	7	810			
2. Testing						72			50					
3. Engineering Support														
Contractor Support						309			235					
In-House Support						517			496					
4. Fielding						189			100					
5. Program Management Admin						131			181					
Total						10829			6729					

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: METEOROLOGICAL MEASURING SYS (K27800)					
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
1. Hardware										
FY 2001	Environmental Tech Baltimore, MD	SS/FFP	CECOM	Dec 00	Jul 01	14	687	Yes	No	
FY 2002	Environmental Tech Baltimore, MD	SS/FFP	CECOM	Dec 01	Jul 02	7	810	Yes	No	

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date: February 2002

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

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

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	453						55	75	75	44		702
Gross Cost	177.7				0.5	2.0	9.3	12.6	12.6	7.8		222.5
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)	177.7				0.5	2.0	9.3	12.6	12.6	7.8		222.5
Initial Spares												
Total Proc Cost	177.7				0.5	2.0	9.3	12.6	12.6	7.8		222.5
Flyaway U/C												
Wpn Sys Proc U/C							0.0	0.0	0.0	0.0		

Description:

The improved Position and Azimuth Determining System (IPADS) is a new start program that 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.

Justification:

FY03 funds will be used to begin the refurbishment of the test articles, which will be used to meet the initial fielding date in FY 2004. FY03 funds will also provide program management activities to support Type Classification and Milestone C decision. These costs include integrated logistics support, contract management, quality support, engineering support, and transportation.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: POSITION AZIMUTH DETERMINING SYS (PADS) (M75700)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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														
2. Engineering Support									176			787		
3. Quality Support									80			115		
4. Logistics Support									174			575		
Contracted In-House									50			125		
5. Testing														
6. First Destination Transportation (FDT												5		
7. Total Package Fielding (TPF)														
8. Refurbish Test Articles												408		51
Total									480			2015		

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost					0.9	0.3	0.4	0.4				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)					0.9	0.3	0.4	0.4				2.0
Initial Spares												
Total Proc Cost					0.9	0.3	0.4	0.4				2.0
Flyaway U/C												
Wpn Sys Proc U/C												

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, 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:

The FY03 procurement 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 of the total Army in support of the defense effort of the United States.

INDIVIDUAL MODIFICATION

Date: February 2002

MODIFICATION TITLE: New Mod [MOD 1] 0-00-00-0000

MODELS OF SYSTEM AFFECTED: MMS AN/TMQ 41A

DESCRIPTION/JUSTIFICATION:

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 30 Kilometers.

The FY03 procurement 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 of the total Army in support of the defense effort of the United States.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Installation Schedule:

Pr Yr	FY 2001				FY 2002				FY 2003				FY 2004				FY 2005			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Totals									10	10	10	10	3	3	3	4	3	4	3	4
Inputs																				
Outputs																				

	FY 2006				FY 2007				FY 2008				FY 2009				To Complete	Totals			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4					
Inputs	4	4	4	3																	82
Outputs																					

METHOD OF IMPLEMENTATION:

Contract Dates:	FY 2002	FY2002	ADMINISTRATIVE LEADTIME:	0 Months	PRODUCTION LEADTIME:	0 Months
Delivery Date:	FY 2002	FY2002	FY 2003	FY2003	FY 2004	FY2004

INDIVIDUAL MODIFICATION

Date: February 2002

MODIFICATION TITLE (Cont): New Mod [MOD 1] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	FY 2000 and Prior		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		TC		TOTAL		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
	RDT&E																				
Procurement																					
Kit Quantity																					
Installation Kits																					
Installation Kits, Nonrecurring																					
Equipment																					
Equipment, Nonrecurring																					
Engineering Change Orders																					
Data																					
Training Equipment																					
Support Equipment																					
Other																					
Interim Contractor Support																					
Installation of Hardware																					
FY 2000 & Prior Equip -- Kits																					
FY 2001 -- Kits																					
FY 2002 Equip -- Kits					40	0.9														40	0.9
FY 2003 Equip -- Kits							13	0.3												13	0.3
FY 2004 Equip -- Kits									14	0.4										14	0.4
FY 2005 Equip -- Kits											15	0.4								15	0.4
FY 2006 Equip -- Kits																					
FY 2007 Equip -- Kits																					
TC Equip- Kits																					
Total Installment		0.0		0.0	40	0.9	13	0.3	14	0.4	15	0.4		0.0		0.0		0.0	82	2.0	
Total Procurement Cost		0.0		0.0		0.9		0.3		0.4		0.4		0.0		0.0		0.0			2.0

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

P-1 Item Nomenclature
MOD OF IN-SVC EQUIP (MVS) (AD3265)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	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:

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 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 2002

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

P-1 Item Nomenclature
PROFILER (K27900)

Program Elements for Code B Items:
0604710A L75

Code:
B

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty						2	11	15	15	15	Continuing	Continuing
Gross Cost						4.9	14.7	17.6	18.0	18.4		
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)						4.9	14.7	17.6	18.0	18.4	Continuing	Continuing
Initial Spares												
Total Proc Cost						4.9	14.7	17.6	18.0	18.4	Continuing	Continuing
Flyaway U/C												
Wpn Sys Proc U/C							1.3	1.2	1.2	1.2		

Description:

Profiler will be fielded during FY04-FY10, replacing the Legacy Force Meteorological Measuring Set (MMS) systems in support of the Objective Force. Profiler replaces the current AN/TMQ-41 MMS. 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. By providing more accurate meteorological data messages, Profiler will enable artillery systems to have a greater probability of a first round hit with indirect fire systems than is currently achievable through the MMS targeting system interface. 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 program plans to acquire quantities to meet the Army Acquisition Objective of 92 (88 Production plus 4 System Development & Demonstration (SDD)) systems. This includes six Profiler systems to be fielded to the first six Brigade Combat Teams. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

Justification:

FY03 procures production systems to field in accordance with the Army Order of Precedence to meet Combat Developer/user requirements. Profiler will be fielded to the Brigade Combat Team. Systems procured in FY 2003 will also be provided to establish the institutional training capability.

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	360.1	16.1	25.3	23.3	21.3	33.3	20.2	3.6	0.9	1.8		506.0
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)	360.1	16.1	25.3	23.3	21.3	33.3	20.2	3.6	0.9	1.8		506.0
Initial Spares												
Total Proc Cost	360.1	16.1	25.3	23.3	21.3	33.3	20.2	3.6	0.9	1.8		506.0
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. The Firefinder radars use a combination of radar techniques and computer controlled signal processing to detect and locate enemy field artillery 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 long range artillery and rockets.

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

Justification:

FY03 funds the following:

- a. Procurement and fielding of AN/TPQ-36(V)8 modification kits.
- b. Procurement of Fire Support Digitization hardware/software required to upgrade AN/TPQ-37s to allow 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.

Exhibit P-40M, Budget Item Justification Sheet

Date:

February 2002

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	2000 & PR	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	TC	Total
	AN/TPQ-36(V)8 Electronics Upgrade	109.0	21.5	18.0	30.3	18.7	3.0	0.9	1.8	0.0	203.2
	AN/TPQ-36(V)8 Hardware/Software Mods	6.1	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	7.2
	AN/TPQ-37 Fire Support Digitization	2.6	0.8	2.0	1.2	1.2	0.4	0.0	0.0	0.0	8.2
	Firefinder MAPS Hybrid	0.7	1.0	1.3	0.7	0.3	0.2	0.0	0.0	0.0	4.2
	Totals	118.4	23.3	21.3	33.3	20.2	3.6	0.9	1.8	0.0	222.8

INDIVIDUAL MODIFICATION

Date: February 2002

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 fifty-six (56) AN/TPQ-36(V)8 modification kits. FY02-05 funding will procure and install an additional twenty-six (26) modification kits. The AN/TPQ-36(V)8 is fielded three (3) systems per Division and one (1) system per Brigade Combat Team.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

A Low Rate Initial Production (LRIP) contract was awarded in FY93 for eight (8) modification kits. Milestone III was approved 3QFY96. A Full Rate Production contract for eleven (11) kits was awarded 4QFY96. An option for eleven (11) kits was awarded 2QFY97. Initial Operational Capability (IOC) was accomplished 4QFY98. Additional production quantities have been procured as follows: seven (7) in Sep 99; nine (9) in Mar 00; ten (10) in Oct 01.

Installation Schedule:

Pr Yr	FY 2001				FY 2002				FY 2003				FY 2004				FY 2005					
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Totals																						
Inputs	30		1	3	6	2			3	5	7	2	3	5			1	4	3	4	3	
Outputs	30		1	3	6	2			3	5	7	2	3	5			1	4	3	4	3	

	FY 2006				FY 2007				FY 2008				FY 2009				To Complete	Totals			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4					
Inputs																					82
Outputs																					82

METHOD OF IMPLEMENTATION: Depot ADMINISTRATIVE LEADTIME: 0 Months PRODUCTION LEADTIME: 12 Months
 Contract Dates: FY 2002 2QFY02 FY 2003 1QFY03 FY 2004 1QFY04
 Delivery Date: FY 2002 2QFY03 FY 2003 1QFY04 FY 2004 1QFY05

INDIVIDUAL MODIFICATION

Date: February 2002

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

FINANCIAL PLAN: (\$ in Millions)

	FY 2000 and Prior		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	RDT&E																			
Procurement																				
Kit Quantity	46		10		9		12		5										82	
Equipment		57.9		15.5		12.2		16.3		9.7										111.6
Equipment (Non-Recurring)		24.8		2.3		1.0														28.1
Ancillary Hardware		1.7		1.7		1.9		3.1		2.0		0.1								10.5
Data		3.4																		3.4
Engineering Support		6.2		0.6		1.2		1.2		0.7		0.4								10.3
Fielding		1.1		0.4		0.4		0.5		0.4		0.3								3.1
Training Equipment		5.1																		5.1
Pre-Mod Depot Maint		1.1		0.1		0.2		0.1		0.1		0.1								1.7
Computer Hdw/Sw Upgrades		0.3						0.6		1.1		1.2		0.9		1.8				5.9
PM Admin		5.9		0.6		0.8		0.7		0.6		0.3								8.9
LCU Upgrade								6.9		3.5										10.4
Installation of Hardware																				
FY 2000 & Prior Equip -- Kits	30	1.5	10	0.3	5	0.3	1	0.1											46	2.2
FY 2001 -- Kits							10	0.5											10	0.5
FY 2002 Equip -- Kits							6	0.3	3	0.2									9	0.5
FY 2003 Equip -- Kits									7	0.4	5	0.3							12	0.7
FY 2004 Equip -- Kits											5	0.3							5	0.3
FY 2005 Equip -- Kits																				
FY 2006 Equip -- Kits																				
FY 2007 Equip -- Kits																				
TC Equip- Kits																				
Total Installment	30	1.5	10	0.3	5	0.3	17	0.9	10	0.6	10	0.6		0.0		0.0		0.0	82	4.2
Total Procurement Cost		109.0		21.5		18.0		30.3		18.7		3.0		0.9		1.8		0.0		203.2

INDIVIDUAL MODIFICATION

Date: February 2002

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 allow 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).

FY00 funded procurement of the hardware/software to upgrade two (2) AN/TPQ-37(V)5s to field to the First Digitized Division. FY02 to FY05 funds the procurement of hardware/software and installation of the kits and fielding to multiple 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:

Non-Recurring Engineering (NRE) efforts to develop software and hardware (a new Circuit Card Assembly (CCA)) were accomplished during FY99. Contracts for the hardware (VCUs and TCIMs) were awarded during 3Q-4QFY00.

IOC was accomplished with the First Digitized Division (FDD) fielding in 4QFY00. FY02 and FY03 funds will be used to procure fifty-five (55) modification kits to fulfill the total Army requirement. Fielding will begin in 1QFY04.

Installation Schedule:

Pr Yr	FY 2001				FY 2002				FY 2003				FY 2004				FY 2005			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Totals																				
Inputs	2												8	8	10	10	10	9		
Outputs	2												8	8	10	10	10	9		

	FY 2006				FY 2007				FY 2008				FY 2009				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 2002 3QFY02	FY 2003 1QFY03		FY 2004	
Delivery Date:	FY 2002 2QFY03	FY 2003 4QFY03		FY 2004	

INDIVIDUAL MODIFICATION

Date: February 2002

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

FINANCIAL PLAN: (\$ in Millions)

	FY 2000 and Prior		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	RDT&E																			
Procurement																				
Kit Quantity	2				28		27												57	
Installation Kits																				
Installation Kits, Nonrecurring																				
Equipment		0.5		0.4		1.6		0.8												3.3
Equipment, Nonrecurring		0.3																		0.3
Integration		0.3																		0.3
Engineering Support		0.2		0.2		0.2		0.1		0.1										0.8
SEC/Training		0.2						0.1		0.1										0.4
Trainer		0.6				0.0														0.6
PM Admin		0.3		0.1		0.1		0.1		0.1										0.7
Contractor Support		0.1		0.1		0.1		0.1		0.1										0.5
Installation of Hardware																				
FY 2000 & Prior Equip -- Kits	2	0.1																	2	0.1
FY 2001 -- Kits																				
FY 2002 Equip -- Kits									28	0.6									28	0.6
FY 2003 Equip -- Kits								8	0.2		19	0.4							27	0.6
FY 2004 Equip -- Kits																				
FY 2005 Equip -- Kits																				
FY 2006 Equip -- Kits																				
FY 2007 Equip -- Kits																				
TC Equip- Kits																				
Total Installment	2	0.1		0.0		0.0		0.0	36	0.8	19	0.4		0.0		0.0		0.0	57	1.3
Total Procurement Cost		2.6		0.8		2.0		1.2		1.2		0.4		0.0		0.0		0.0		8.2

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

P-1 Item Nomenclature
FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2) (W61900)

Program Elements for Code B Items:
W61900

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty			1718	1651	1667	1415	3812	2262	2448	1799	39693	56465
Gross Cost			66.2	72.2	74.1	65.3	134.0	87.9	98.7	82.6	1488.2	2169.2
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	74.1	65.3	134.0	87.9	98.7	82.6	1488.2	2169.2
Initial Spares				0.7	1.4	1.9	4.0	3.2	3.2	3.2	17.6	35.3
Total Proc Cost			66.2	73.0	75.5	67.2	138.0	91.1	101.9	85.8	1505.8	2204.5
Flyaway U/C												
Wpn Sys Proc U/C				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 service support leaders and soldiers. FBCB2 incorporates state-of-the-art information technology to allow commanders to concentrate combat system effects rather than combat forces, enabling units to be both more survivable and more lethal. FBCB2 provides the capability to pass orders and graphics allowing the warfighter to visualize the commander's intent and scheme of maneuver. FBCB2 affords combat forces the capability to retain the tactical/operational initiatives under all mission, enemy, terrain, troops, and time available conditions to enable faster decisions, real/near-real time communications and response. The system includes a pentium based processor, display unit, keyboard and removable hard disk drive cartridge. FBCB2 supports situational awareness (blue and red force positions) and command and control down to the soldier/platform level across Battlefield Operating Systems (BOS) and echelons. FBCB2 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. Full rate production (FRP) decision is scheduled for 4QTR FY 03. This system supports the Legacy-to-objective path of the Transformation Campaign Plan (TCP). Full rate production (FRP) decision is scheduled for 4QTR FY 03.

Justification:

FY 03 procures FBCB2s to continue fielding to units of 3BCT, 1CAV, 75 Ranger and TRADOC, 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.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2) (W61900)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
H/W-Applique & Installation Kits					39431	1651	24	39835	1667	24	32642	1415	24
System Engineering/Program Management													
Government					5130			6458			6357		
Contractor					3017			3070			3130		
Engineering Change Proposals					5122			4591			3011		
Test					1697			1613			3147		
Training					1187			1208			1231		
Data								779			732		
Support Equipment					1557			1604			1644		
Op Site Activation					7938			5063			4940		
Fielding					3318			4086			5238		
Engineering Support					1646			3733			3222		
Other*					2182			2050					
* Includes FY02 Incentive Fee, Extended Warranty													
Note: Quantities have been adjusted to reflect current program funding													
Total					72225			74090			65294		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
H/W-Applique & Installation Kits										
FY 2001	TRW (Northrup/Grumman/Paravant Carson, CA	SS/FPIF	CECOM C4IEWS	Nov-00	Jun-01	1651	24	YES		Dec-99
FY 2002	TRW (Northrup/Grumman/Paravant Carson, CA	SS/FPIF	CECOM C4IEWS	Jan-02	Jul-02	1667	24	Yes		Dec99
FY 2003	TRW(Northrup Grumman/Paravant) Carson, CA	SS/FPIF	CECOM C4IEWS	Nov-03	Jun-03	1415	23	No	Jun 02	Jun 02

REMARKS: Litton is now owned by Northrup/Grumman

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty				22	20	35	61	23	24	182	Continuing	Continuing
Gross Cost				7.0	7.0	9.0	13.6	9.6	9.8	37.9		
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)				7.0	7.0	9.0	13.6	9.6	9.8	37.9	Continuing	Continuing
Initial Spares												
Total Proc Cost				7.0	7.0	9.0	13.6	9.6	9.8	37.9	Continuing	Continuing
Flyaway U/C												
Wpn Sys Proc U/C				0.3	0.4	0.3	0.2	0.4	0.4	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. LLDR will also be mounted on the STRIKER vehicle to provide this same target location and engagement capability for mounted artillery fire support teams. This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

Justification:

FY 2003 funds will procure this critical capability for fielding to the light forces - 82nd Airborne and 10th Light Infantry Division (LID). Additional funding provided by PM Brigade Combat Team (BCT) to procure this capability for the 1st BCT, BCT Training Base, 2nd BCT. The LLDR meets a critical requirement for precision target location and engagement for the artillery fire support teams, the STRIKER system, and the Marine Corps fire support teams including Forward Air Controllers (FACs).

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: LIGHTWEIGHT LASER DESIGNATOR/RANGEFINDER (LLDR) (K31100)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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
K31100 AN/PED-1 LLDR		A				2700	10	270	3240	12	270	6521	29	225
Engineering Support						312			976			1037		
Project Management Admin						104			325			346		
Engineering Change Order									201			260		
Fielding						113			267			116		
ICS						229			466			682		
Facilitization						3570			1530					
Total						7028			7005			8962		
Total						7028			7005			8962		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
K31100 AN/PED-1 LLDR										
FY 2001	Northrup Grumman Electronic Se Apopka, FL	SS/FP	CECOM	Oct 01	Jan 03	10	270	Yes		
FY 2002	Northrup Grumman Electronic Se Apopka, FL	SS/FP	CECOM	Feb 02	Sep 03	12	270	Yes		
FY 2003	Northrup Grumman Electronic Se Apopka, FL	SS/FPM5-1	CECOM	Nov 02	Nov 03	29	225	Yes		

REMARKS: USMC participation in FY03 as part of multi-year procurement (SS/FPM5-1).

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

P-1 Item Nomenclature
COMPUTER BALLISTICS: MORTAR M-30 (K99200)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	3820			73								3893
Gross Cost	38.6		2.8	1.6								43.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	38.6		2.8	1.6								43.1
Initial Spares												
Total Proc Cost	38.6		2.8	1.6								43.1
Flyaway U/C												
Wpn Sys Proc U/C				22.4								

Description:

The Mortar Ballistic Computer (MBC) calculates ballistic trajectories which gives the mortar user data to elevate the gun, set the charge, and direct fire for all mortar rounds. The MBC will provide digital message capability and mortar firing computations. The MBC will interface with the Advanced Field Artillery Tactical Data System (AFATDS), to improve required response time.

Justification:

There is no planned program for FY02 & FY03. Beginning in FY02 the MBC program is budgeted as a subset of the Mortar Fire Control System (MFCS).

Exhibit P-40, Budget Item Justification Sheet

Date: February 2002

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

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

Program Elements for Code B Items:
64802/D613

Code:
B

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty				151	112	113	157	44	60			637
Gross Cost				7.3	11.7	29.8	40.9	15.4	19.5	38.7		163.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)				7.3	11.7	29.8	40.9	15.4	19.5	38.7		163.3
Initial Spares												
Total Proc Cost				7.3	11.7	29.8	40.9	15.4	19.5	38.7		163.3
Flyaway U/C												
Wpn Sys Proc U/C				0.0	0.1	0.3	0.3	0.4	0.3			

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.
- 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.
- 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.

Exhibit P-40C, Budget Item Justification Sheet

Date:

February 2002

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 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 fov based mounted mortars. The MFCS will also be fielded with the Brigade Combat Team's IAV mounted 120mm Mortar System. Thus the system supports both the legacy to objective transition paths of the Army Transformation Campaign Plan.

Justification:

FY02 funds complete the procurement of 225 MFCS Commander's Interface computers to address an urgent requirement for a new Mortar Ballistic Computer (MBC); procure 10 MFCS Heavy Gun systems and 3 Heavy FDC systems to be fielded to the 1st Cavalry Division; and procure 3 MFCS Trainers. The FY02 funds also includes \$2M for a Lightweight Laser Designator.

FY03 funds continue the procurement of MFCS units with 88 MFCS Heavy Gun systems and 15 MFCS FDC systems.

Type Classification Date:

- Commander's Interface as a mortar ballistic computer FY02
- Full MFCS (Heavy) system 2Q FY 03

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: MORTAR FIRE CONTROL SYSTEM (K99300)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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													
MFCs Commander's Interface					7274	151	49	3552	74	49			
MFCs for M121 120mm Mortar								2310	10	231	21344	88	243
MFCs for M577 Fire Direction Center								159	3	53	835	15	56
MFCs Heavy Trainer								693	3	231			
Subtotal Hardware					7274			6714			22179		
PRODUCTION SUPPORT													
Production Engineering								2180			2315		
Government ILS								316			332		
Post Deployment Software Support											2630		
Proof and Acceptance											505		
Fielding and New Equipment Training											300		
SUBTOTAL PRODUCTION SUPPORT								2496			6082		
NON RECURRING COSTS													
PCA/ First Article											933		
Engineering Data								400			400		
Manuals								100			200		
Lightweight Laser Designator								1984					
SUBTOTAL NRE								2484			1533		
TOTAL					7274			11694			29794		
Total					7274			11694			29794		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
MFCS Commander's Interface										
FY 2001	Miltope Hope Hall AL	SS/FP	TACOM	DEC 01	MAY 02	151	49	YES		
FY 2002	Miltope Hope Hall AL	SS/FP	TACOM	MAR 01	JAN 03	74	49	YES		
MFCS for M121 120mm Mortar										
FY 2002	Unknown	C/FP	TACOM	JUN 02	AUG 03	10	231	No		
FY 2003	Unknown	OPT	TACOM	MAR 03	JAN 04	88	243	No		
MFCS for M577 Fire Direction Center										
FY 2002	Unknown	C/FP	TACOM	JUN 02	AUG 03	3	53	No		
FY 2003	Unknown	OPT	TACOM	MAR 03	JAN 04	15	56	No		
MFCS Heavy Trainer										
FY 2002	Unknown	C/FP	TACOM	JUN 02	AUG 03	3	231	No		

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 2002

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

P-1 Item Nomenclature
INTEGRATED MET SYS SENSORS (IMETS) - TIARA (BW0021)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	22.7	4.8	5.4	7.0	2.5	7.2	9.3	5.0	4.9	13.5		82.4
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)	22.7	4.8	5.4	7.0	2.5	7.2	9.3	5.0	4.9	13.5		82.4
Initial Spares												
Total Proc Cost	22.7	4.8	5.4	7.0	2.5	7.2	9.3	5.0	4.9	13.5		82.4
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

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; weather radar; artillery meteorology sections (ARTYMET); theater forecast units (TFUs) and the Air Force Weather Agency (AFWA); (2) process and display weather information, display weather radar data, 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 High Frequency receivers, satellites, or communications networks as appropriate; and (5) relocate with the unit to which it is assigned. IMETS supports the Legacy to Objective transition path of the Army Transformation Campaign Plan (TCP).

Justification:

FY 03 funding supports continued IMETS procurement and fielding IAW the Army Order of Precedence (AOP). Almost all IMETS hardware is NDI/COTS and is purchased from PM CHS and other Army activities. Integration is handled by contractor, Logicon Inc. FY03 procures (26) LCs, which includes one for the I-BCT, (1) VMC, and (3) Training Sets.

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: INTEGRATED MET SYS SENSORS (IMETS) - TIARA (BW0021)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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)					2975	8	371.9				372	1	372.0	
--IMETS Light (LC)					495	8	61.9	556	9	61.8	1612	26	62.0	
--Block II IMETS Training Sets					177	1	177.4				533	3	177.7	
Project Management Administration					300			300			300			
Engineering Support					1598			700			2118			
Contractor Support					320			320			480			
Fielding					975			512			1701			
IBCT					114			114			114			
Total					6954			2502			7230			

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Hardware										
--Block II IMETS (VMC)										
FY 2001	Logicon Inc Lakewood, Washington	C/Option	CECOM	Nov 00	Apr 01	8	372			
FY 2003	Logicon Inc Lakewood, Washington	C/Option	CECOM	Nov 02	Jun 03	1	372			
--IMETS Light (LC)										
FY 2001	Logicon Inc Lakewood, Washington	GSA Sched	CECOM	Jun 01	Sep 01	8	62			
FY 2002	Logicon Inc Lakewood, Washington	GSA Sched	CECOM	May 02	Aug 02	9	62			
FY 2003	Logicon Inc Lakewood, Washington	GSA Sched	CECOM	Nov 02	Apr 03	26	62			
--Block II IMETS Training Sets										
FY 2001	Logicon Inc Lakewood, Washington	C/Option	CECOM	Nov 00	Apr 01	1	178			
FY 2003	Logicon Inc Lakewood, Washington	C/Option	CECOM	Nov 02	Apr 03	3	178			

REMARKS: All equipment is NDI/COTS. In FY02 DERF money was received for the purpose of accelerating technology insertions and fieldings of IMETS Lights to the Special Operations Forces (SOF). Approximately \$6.2M of the DERF money is being used to procure and field SOF units.

Exhibit P-40, Budget Item Justification Sheet

Date: February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost		34.0	34.8	57.1	38.7	42.3	19.9	65.1	74.4	63.1		429.3
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)		34.0	34.8	57.1	38.7	42.3	19.9	65.1	74.4	63.1		429.3
Initial Spares												
Total Proc Cost		34.0	34.8	57.1	38.7	42.3	19.9	65.1	74.4	63.1		429.3
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

Tactical Operation Centers (TOCs) support the overall mission area of "Exercising Command and Control". The TOC program provides commanders and staff (at all echelons of command from Battalion to Corps) with integrated digitized command and control facilities. The commander executes battle command and makes decisions based on objective data and his intuitive feel for the battle. To perform these functions, he and his staff require command, control and communications systems integrated on mobile platforms capable of keeping pace with maneuver forces. This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

Justification:

FY 03 procures integrated digitized physical infrastructure (platforms and networks) for 1st Cav Div and GFE buy ahead for III Corps that operate under all conditions on the modern battlefield and provides the real-time situational understanding (Common Operating Picture) inherent in the command and control systems that comprise the Army Battle Command System (ABCS). These digitized TOCs are key to ensuring that information superiority and force synchronization are gained on the tactical and operational battlefield. TOCs are required for all types of combat, combat support and combat service support units. This program is critical to Army modernization/transformation. FY 03 also upgrades Initial IBCT-1 to Interim IBCT-1 TOC configuration.

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: TACTICAL OPERATIONS CENTERS (BZ9865)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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						14432			20810			19013		
2. Project Management Administration						2188			3229			3584		
3. Fielding (TPF,NET,FDT)						2000			6034			6341		
4. Interim Contractor Support (ICS)						1680			4843			7528		
5. Engineering Support						980			3737			3744		
6. IBCT Program						35847								
7. Engineering Support												2122		
Total						57127			38653			42332		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
1. System Integration/Hardware										
FY 2000	Motorola Scottsdale, AZ	C/CPFF	AMCOM	2QFY00	4QFY00					
FY 2001	Motorola Scottsdale, AZ	C/CPFF	AMCOM	3QFY01	1QFY02					
FY 2001	TRW Huntsville, AL	C/CPIF	AMCOM	1QFY01	3QFY01					
FY 2002	Motorola Scottsdale, AZ	C/CPFF	AMCOM	1QFY02	2QFY02					
FY 2002	TRW Huntsville, AL	C/CPIF	AMCOM	1QFY02	2QFY02					
FY 2003	Motorola Scottsdale, AZ	C/CPFF	AMCOM	1QFY03	2QFY03					

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	34.7	39.8	43.9	68.6	49.1	74.7	53.2	47.1	50.4	25.6	67.7	554.8
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)	34.7	39.8	43.9	68.6	49.1	74.7	53.2	47.1	50.4	25.6	67.7	554.8
Initial Spares	1.6	2.1	2.4	2.2	2.8	2.4	2.6	2.3	2.7			21.1
Total Proc Cost	36.3	41.9	46.2	70.8	51.9	77.1	55.8	49.4	53.1	25.6	67.7	575.9
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 portion of the Army Battle Command System (ABCS). AFATDS enables 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 will interoperate with the other ABCS Battlefield Functional Areas, as well as the Navy's and Air Force's current and evolving weapon and control systems. AFATDS provides integrated automated support for planning, coordinating and controlling all fire support assets (field artillery, 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 ABCS Common Hardware/Software, including the Compact Computer Unit (CCU), Notebook Computer Unit (NCU) as well as peripheral devices such as various tactical display devices, printers and installation kits. The legacy system support comes from the successful fielding of AFATDS Version A96 thru A99 and Version 7. The objective system support emanates from AFATDS Versions 8 and 9. Version 10 is the objective AFATDS system and the transitional support of AFATDS to the Effects Control System (ECS), which is the next iteration of Command and Control Fire Support. The AFATDS supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

Justification:

FY03 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 FY03 funds will completely procure 6 Field Artillery Brigades, 1 Heavy Infantry Division and 1 Armor Division.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: ADV FA TAC DATA SYS / EFF CTRL SYS (AFATDS/ECS) (B28600)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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					36289	328		23712	252		49012	462	
Program Mangement Administration					2033			2032			2072		
Engineering Support					7057			6917			6955		
Interim Contractor Support					10575			9770			9868		
Fielding													
Total Package Fielding					869			812			852		
New Equipment Training					6767			5853			5964		
2nd IBCT					5000								
NOTE: The hardware cost is composed of a mix of CCU, NCU, M577 IKs and peripherals. Therefore, a unit cost cannot be identified.													
Total					68590			49096			74723		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Hardware										
FY 2001	General Dynamics Taunton, MA	C/OPTION	CECOM	JAN-01	MAY-01	328		yes		
FY 2002	General Dynamics Taunton, MA	C/OPTION	CECOM	JAN-02	MAY-02	252		yes		
FY 2003	General Dynamics Taunton, MA	C/OPTION	CECOM	JAN-03	MAY-03	462		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 2002

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

P-1 Item Nomenclature
MOD OF IN-SVC EQUIP, AFATDS (B28620)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost						3.0	3.0					5.9
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)						3.0	3.0					5.9
Initial Spares												
Total Proc Cost						3.0	3.0					5.9
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

The Mod in Service funding is a supporting line to the AFATDS program. AFATDS is the Fire Support Command and Control system component of the Army Battle Command System (ABCS), which utilizes Common Hardware and Software (CHS) computers and peripheral hardware. Experience with Army computer systems in the field has 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 thru A99 and Version 7. The objective system support emanates from AFATDS Versions 8 and 9. Version 10 is the objective AFATDS system and the transitional support of AFATDS to the Effects Control System (ECS), which is the next iteration of Command and Control Fire Support. The AFATDS supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

Justification:

FY03 procures upgrade processor equipment to support the current technical requirements for the AFATDS program.

INDIVIDUAL MODIFICATION

Date: February 2002

MODIFICATION TITLE: MOD OF IN-SVC EQUIP, AFATDS [MOD 1] 0-00-00-0000

MODELS OF SYSTEM AFFECTED: AFATDS CCU

DESCRIPTION/JUSTIFICATION:

The Mod in Service funding is a supporting line to the AFATDS program. AFATDS is the Fire Support Command and Control system component of the Army Battle Command System (ABCS), which utilizes Common Hardware and Software (CHS) computers and peripheral hardware. Experience with Army computer systems in the field has 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.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

The AFATDS Mod in Service 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 2001				FY 2002				FY 2003				FY 2004				FY 2005					
	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 2006				FY 2007				FY 2008				FY 2009				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:		ADMINISTRATIVE LEADTIME:	0 Months	PRODUCTION LEADTIME:	0 Months
Contract Dates:	FY 2002		FY 2003		FY 2004
Delivery Date:	FY 2002		FY 2003		FY 2004

INDIVIDUAL MODIFICATION

Date: February 2002

MODIFICATION TITLE (Cont): MOD OF IN-SVC EQUIP, AFATDS [MOD 1] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	FY 2000 and Prior		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		TC		TOTAL	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	RDT&E																			
Procurement																				
Kit Quantity																				
Installation Kits																				
Installation Kits, Nonrecurring																				
Equipment								2.4	2.4											4.8
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other								0.6	0.6											1.2
Interim Contractor Support																				
Installation of Hardware																				
FY 2000 & Prior Equip -- Kits																				
FY 2001 -- Kits																				
FY 2002 Equip -- Kits																				
FY 2003 Equip -- Kits																				
FY 2004 Equip -- Kits																				
FY 2005 Equip -- Kits																				
FY 2006 Equip -- Kits																				
FY 2007 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		0.0		3.0		3.0		0.0		0.0		0.0		0.0		6.0

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

P-1 Item Nomenclature
Light Weight Technical Fire Direction Sys (LWTFDS) (B78400)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	51.9		1.2	1.0	1.7	12.4	1.4	1.1				70.6
Less PY Adv Proc	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				
Net Proc (P-1)	51.9		1.2	1.0	1.7	12.4	1.4	1.1				70.6
Initial Spares												
Total Proc Cost	51.9		1.2	1.0	1.7	12.4	1.4	1.1				70.6
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

The Lightweight Technical Fire Direction System (LWTFDS) provides critically needed back-up for 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 will be a lightweight, ruggedized, handheld technical fire direction computer that will augment the Battery Computer System (BCS). The BCS is the Command and Control System used for tactical and technical fire control of cannon artillery. The LWTFDS program currently consists of ported BCS software (originally fielded under the FSAC program) to the Handheld Terminal Unit (HTU). In FY01, Personal Computer Memory Card International Association (PCMCIA) cards were procured and BCS software ported to the HTU.

Objectively it will consist of porting the NATO Artillery Ballistic Kernel (NABK) computational software onto a handheld device.

In February 2001, the Fire Support ADA Conversion (FSAC) program name was officially changed to the LWTFDS. The FSAC program consists of the BCS and Fire Direction System (FDS) which provides technical Fire Direction Capability for Cannon and Multiple Launch Rocket System (MLRS) units. Both systems were hosted on a Lightweight Computer Unit (LCU).

The LCUs are outdated by today's standards and incapable of effectively handling the current fire support package 11. The \$12.4 in FY03 will finance the replacement of these systems.

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

Justification:

FY03 procures the porting of NABK software onto a handheld device, the procurement of 290 Standalone Computer Unit (SCU) computers, which is the new computer that replaces the LCU, engineering and program management.

Prior Years funding provided for various hardware upgrades and maintenance of the BCS/FDS systems, which will remain in the field until replaced by AFATDS.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: Light Weight Technical Fire Direction Sys (LWTFDS) (B78400)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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 (PCMCIA Card / LCU Replacement)						30						10440	290	
Project Management Administration						582			530			479		
Engineering Support						344			1093			1484		
Fielding									42			10		
Total						956			1665			12413		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Hardware (PCMCIA Card / LCU Replacement) FY 2003	GD Taunton, MA	C/OPTION	CECOM	JAN-03	MAY-03	290		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 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	221	145	213	359	66	139	140		77	264	1496	3120
Gross Cost	23.0	9.2	19.8	27.0	25.0	25.0	24.9	9.9	20.8	30.7	159.0	374.2
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)	23.0	9.2	19.8	27.0	25.0	25.0	24.9	9.9	20.8	30.7	159.0	374.2
Initial Spares	1.6	0.2	0.1								5.8	7.7
Total Proc Cost	24.6	9.4	20.0	27.0	25.0	25.0	24.9	9.9	20.8	30.7	164.7	381.9
Flyaway U/C												
Wpn Sys Proc U/C		0.1	0.1	0.1	0.4	0.2	0.2		0.3	0.1		

Description:

DESCRIPTION: The Combat Service Support Control System (CSSCS) is the Combat Service Support C2 component of the Army Battle Command System. CSSCS is a network of workstations that provides comprehensive combat service support capabilities and exchanges messages in near real time. It provides the critical combat power assessment capability for the Army Transformation across the range of combat forces. CSSCS is the fulcrum between 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:

JUSTIFICATION: FY03 funds will support the Full Scale Production procurement and fielding of CSSCS. Fielding locations include second and third BCTs, III Corps (FDC & Battalion boxes) and 1CD (Battalion boxes) consistent with the Unit Set Fielding Modernization Schedule. The automated CSSCS node is required to support the fielding and operation of ABCS by providing a responsive automated CSS operation that is capable of supporting the Commander's requirement to perform timely predictive and situational analyses.

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: CMBT SVC SUPT CONTROL SYS (CSSCS) (W34600)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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
High Capacity Computer Unit (HCU) HW						15152	359	42.2	3287	66	49.8	6923	139	49.8
Versatile Computer Unit (VCU) HW									4455					
Standard Integrated Command Post System									640			1122		
Hardware Upgrade									1204			1358		1427
PM Admin						1628			1628			2423		2643
Engineering Support						2616			2616			2992		3032
Total Package Fielding (TPF)						3164			3164			3026		3052
New Equipment Training (NET)														
First Destination Trans (FDT)														
Interim Contractor Support (ICS)														
Software Support						2737			6392			6342		
Other						455			435			448		
Total						26956			25008			24989		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
High Capacity Computer Unit (HCU) HW										
Versatile Computer Unit (VCU) HW										
FY 2001	General Dynamics Taunton, MA	C/FP/OPT	CECOM, Ft. Monmouth, NJ	Jan 01	May 01	359	43	Yes		
FY 2002	General Dynamics Taunton, MA	C/FP/OPT	CECOM, Ft. Monmouth, NJ	Feb 02	Jun 02	66	50	Yes		
FY 2003	General Dynamics Taunton, MA	C/FP/OPT	CECOM, Ft. Monmouth, NJ	Jan 03	May 03	139	50	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).

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

P-1 Item Nomenclature
FAAD C2 (AD5050)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty		4				2	2	1	2	3		14
Gross Cost	128.0	25.5	10.5	32.1	8.8	24.8	35.0	32.9	34.6	37.3		369.5
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)	128.0	25.5	10.5	32.1	8.8	24.8	35.0	32.9	34.6	37.3		369.5
Initial Spares												
Total Proc Cost	128.0	25.5	10.5	32.1	8.8	24.8	35.0	32.9	34.6	37.3		369.5
Flyaway U/C												
Wpn Sys Proc U/C		6.4				12.4	17.5	32.9	17.3	12.4		

Description:

The Forward Area Air Defense Command, Control and Intelligence (FAAD C2I) System is the first Command, Control and Intelligence (C2I) System to digitize. FAAD C2I provides critical, automated threat aircraft, cruise missile and unmanned aerial vehicle (UAV) Battle Management/Command, Control, Communication, Computers and Intelligence (BM/C4I) information 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 C2I software will provide this mission capability by integrating FAAD C2 engagement operations software with the Joint Tactical Information and Data System (JTIDS), Single Channel Ground and Airborne Radio Systems (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 and SHORAD weapon systems by providing an integrated air picture at Army divisions and below. FAAD C2I is the first system to digitize for Army Transformation in the First Digitized Division (FDD) III Digitized Corps (III Corps), the Joint Contingency Force (JCF) and the Interim Brigade Combat Teams (IBCT). This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

Justification:

FAAD C2 enables maneuver commanders to receive air and missile attack warnings, provides common tactical air 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 spaces battle management, and automates uplinks for acknowledgement of mission plans and unit positions, thereby enhancing force protection for air and missile attack. FY2003 dollars will be used to complete procurement of CHS computers, displays and tactical software for one (1) Army National Guard Unit and one IBCT. FAAD C2 supports Army and AMD transformation by contributing a joint and integrated air picture.

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, Corps Missile Battalion, Training Base and Initial Brigade Combat Teams (IBCTS)).

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: FAAD C2 (AD5050)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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					8407		4204	3775		3775	8129	2	4065
2. Project Management Administration					2565			712			1992		
3. Fielding													
TPF					152			162			175		
NET					1121			197			784		
FDT					78			16			22		
4. Interim Contractor Support					1946			526			1271		
5. Engineering Support					3358			3444			3006		
6. 263d SC ARNG AAMDC/AMDPCS					11791								
7. IBCT 2-6					2670						9400		
Total					32088			8832			24779		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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

Weapon System Type:

P-1 Line Item Nomenclature:
FAAD C2 (AD5050)

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
1. System Integration/Hardware										
FY 2001	General Dynamics Government Taunton, MA	C/Option	CECOM	DEC 00	APR01		4204	YES		
FY 2002	General Dynamics Government Taunton, MA	C/Option	CECOM	DEC 01	APR 02		3775	YES		
FY 2003	General Dynamics Government Taunton, MA	C/Option	CECOM	DEC 02	APR 03	2	4065	YES		

REMARKS: The above hardware is COTS.
Equipment procured in FY 01/02 supports IBCTs, digitization and upgrades of previously fielded units.

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

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

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty						1		1		1		3
Gross Cost			2.9	4.8	10.2	9.8	13.2	6.2	7.1	28.9		83.0
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)			2.9	4.8	10.2	9.8	13.2	6.2	7.1	28.9		83.0
Initial Spares												
Total Proc Cost			2.9	4.8	10.2	9.8	13.2	6.2	7.1	28.9		83.0
Flyaway U/C												
Wpn Sys Proc U/C						9.8		6.2		28.9		

Description:

The Air and Missile Defense Planning and Control System (AMDPCS) is the backbone of Army Air Defense through the BM/C4I capability it provides to Air Defense Artillery 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 support the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

Justification:

FY03 program procures III (Digitized) Corps computer hardware, software and ancillary equipment for fielding Army Battle Command System (ABCS) capabilities to air and missile defense units at division and corps level. It will complete procurement of objective system configuration for 31st ADA BDE for participation in the III (Digitized) Corps Capstone Exercises and continues the procurement objective for the 263rd AAMDC.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: AIR & MSL DEFENSE PLANNING & CONTROL SYS (AMD PCS) (AD5070)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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						3186			4515			4439		
2. Project Management Administration						382			824			784		
3. Fielding (TPF,NET,FDT)						397			123			135		
4. Interim Contractor Support (ICS)						32			2991			3050		
5. Engineering Support						782			1767			1342		
Total						4779			10220			9750		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
1. System Integration/Hardware										
FY 2000	General Dynamics Government Taunton, MA	C/Option	CECOM	Dec 99	Apr 00			Yes		
FY 2001	General Dynamics Government Taunton, MA	C/Option	CECOM	Dec 00	Apr 01			Yes		
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			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 2002

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)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	100.2	20.7	14.9	18.9	15.8	15.1	6.3					191.9
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)	100.2	20.7	14.9	18.9	15.8	15.1	6.3					191.9
Initial Spares												
Total Proc Cost	100.2	20.7	14.9	18.9	15.8	15.1	6.3					191.9
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. The LFED/FED is a re-capitalization effort.

The LFED/FED 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. It provides the vital sensor to shooter link required for effective fires.

The LFED/FED utilizes Common Hardware Systems (CHS) components including the Handheld Terminal Unit (HTU), Ruggedized Handheld Computer (RHC), and the Lightweight Computer Unit (LCU). Commencing in FY03, all BFIST/STRIKER Operational Facilities (OPFACS) will be fielded with the CHS Solitaire computer, which is the new computer that replaces the LCU, and all dismounted Forward Observers will be fielded a Pocket-Size device running modified FOS software. The Pocket-Size device will be known as the PFED.

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

Justification:

FY03 procures hardware, engineering, fielding and program management support. The hardware purchase is comprised of seven hundred and twenty-four (724) systems which include three-hundred and nine (309) RHC's, three-hundred and forty-two (342) PFED's and seventy-three (73) Standalone Computer Units (SCU). These systems will be fielded to 2 Infantry Divisions, 1 Separate Mechanized Battalion, 1 Armored Cavalry Regiment, 5 Separate Infantry Brigades and 2 Separate Armored Battalion.

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: FORWARD ENTRY DEVICE / LIGHTWEIGHT FED (FED/LFED) (BZ9851)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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					12220	759		9527	646		9430	724	
Project Management Administration					2042			2051			2089		
Engineering Support					1476			1678			1839		
Fielding					1095			2537			1767		
2nd IBCT					2100								
Note: Unit costs are not displayed because the hardware unit cost reflects the varying mix of HTUs, LCUs, Solitaire, PFED, IKs and other peripheral devices.													
Total					18933			15793			15125		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Hardware										
FY 2001	GD and Litton Taunton, MA and San Diego, CA	C/OPTION	CECOM	JAN-01	MAY-01	759		YES		
FY 2002	GD Taunton, MA	C/OPTION	CECOM	JAN-02	MAY-02	646		YES		
FY 2003	GD Taunton, MA	C/OPTION	CECOM	JAN-03	MAY-03	724		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 2002

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

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

Program Elements for Code B Items:
0203758A

Code:
B

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty		7	35	39	31	54	47	60	71	68	279	691
Gross Cost		7.0	22.0	22.0	21.3	27.7	31.8	31.5	32.2	33.0	168.5	396.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)		7.0	22.0	22.0	21.3	27.7	31.8	31.5	32.2	33.0	168.5	396.9
Initial Spares												
Total Proc Cost		7.0	22.0	22.0	21.3	27.7	31.8	31.5	32.2	33.0	168.5	396.9
Flyaway U/C												
Wpn Sys Proc U/C		1.0	0.6	0.6	0.7	0.5	0.7	0.5	0.5	0.5		

Description:

The 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 Striker program is a continuation of the BFIST program designed specifically for the Combat Observation Lasing Team (COLT) in heavy divisions and light divisions. The Striker was approved as a Warfighting Rapid Acquisition Program (WRAP) designed to get the Striker operational enhancement to the soldier quickly at the best cost. The system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

Justification:

FY03 procures 54 Striker vehicles. The Striker 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.

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: STRIKER-COMMAND AND CONTROL SYSTEM (B78500)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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					13138	39	337	9905	31	320	17284	54	321
SUBTOTAL					13138			9905			17284		
Non Recurring Production													
2. Engineering Contractor					2326			1356			758		
3. Engineering Government					715			652			740		
4. Program Management Administration					270			270			280		
5. Reimbursable Matrix Support					296			296			306		
6. Fielding					1814			3314			4180		
7. Test & Evaluation					203			254			258		
8. LtWt Laser Desgntn Rangefinder Intgr					3261			5230			3845		
SUBTOTAL					8885			11372			10367		
Total					22023			21277			27651		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: STRIKER-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
1. Vehicle Upgrade										
FY 2001	SEI, Sanford, FL	SS/FFP	USATACOM, Warren, MI	Dec-00	Oct-01	39	337			
FY 2002	SEI, Sanford, FL	SS/FFP	USATACOM, Warren, MI	Dec-01	Oct-02	31	385			
FY 2003	SEI, Sanford, FL	SS/FFP	USATACOM, Warren, MI	Dec-02	Oct-03	54	321			

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date: February 2002

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

P-1 Item Nomenclature
MOD OF IN-SVC EQUIP, STRIKER (B78503)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost						0.9	0.9	0.9				2.7
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)						0.9	0.9	0.9				2.7
Initial Spares												
Total Proc Cost						0.9	0.9	0.9				2.7
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

The Striker Mod-In-Service line provides funding for life cycle software support including evolutionary hardware changes for the Striker 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 Striker 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:

FY03 funds procure hardware changes as well as logistic changes to support the new digital communications platform and accommodates the integration of the Versatile Computer Unit (VCU) onto the Striker. The Mod-In-Service provides Program flexibility to incorporate minor hardware and software changes to the Striker without changing production quantities. A change in the digital communications system from the LCU to the VCU is anticipated in FY02.

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

P-1 Item Nomenclature
LIFE CYCLE SOFTWARE SUPPORT (LCSS) (BD3955)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	61.9	1.2	0.9	1.0	0.9	0.9	1.9	1.9	3.0	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)	61.9	1.2	0.9	1.0	0.9	0.9	1.9	1.9	3.0	2.6	Continuing	Continuing
Initial Spares												
Total Proc Cost	61.9	1.2	0.9	1.0	0.9	0.9	1.9	1.9	3.0	2.6	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 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.

Justification:

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 five years old or older and/or 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 (e.g., memory storage devices, terminals, keyboards and printers, media and replication equipment) having a life span of approximately five years and the 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 Soldier in the field.

For the System Development upgrade for Fire Support, the FY03 funding will procure items to complete the modernization of the SUN Development Environment to improve the development capability; new Mail and file servers to improve communications; new mass storage units to centralize data storage; state of the art Compile engines to improve build times; Updated Switches to keep pace with the network demands; Radio networking and wiring to increase bandwidths to internal and remote sites; Backup Power to protect against power failures; state of the art printers; and test tools and software to improve productivity.

For the Tactical Switching System Test Bed Facility, the FY03 funding procures items to create a lab node for the Brigade Subscriber Node (BSN) system.

Exhibit P-40C, Budget Item Justification Sheet

Date:

February 2002

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

P-1 Item Nomenclature

LIFE CYCLE SOFTWARE SUPPORT (LCSS) (BD3955)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

This lab is needed to perform the Post Deployment/Development Software Support (PDSS) functions of the BSN System. Items that need to be procured in order to complete the lab node include: Cisco Routers, XL and PBX Switches, Servers, Workstations, and Radios.

For the Strategic Satellite System Test Bed Facility for the Strategic Satellite Communications Branch, the FY03 funding will procure items to upgrade the System Objective DSCS Operations Control System (ODOCS) to improve our software development capabilities. The required upgrades include: modifying the laboratory setup (hardware/software/COTS) to support the Global Terrestrial Critical Control Circuit System (GTC3S) and Replacement FM Orderwire; updating the ODOCS hardware to support the rehosting of additional subsystems services (additional memory, video cards, hard-drives, and input devices); updating the SEC ODOCS environment hardware to support ODOCS rehosting (routers, fiber-optics lines, splitters, connectors, repeaters); purchasing, renewing, and upgrading COTS packages to support the rehosting of new systems onto the ODOCS; renewing and obtaining service contracts for current and new ODOCS Services.

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: LIFE CYCLE SOFTWARE SUPPORT (LCSS) (BD3955)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Electronic Combat Upgrades													
Communications Engrg HW/SW Upgrade													
Communications Engrg HW/SW Upgrade					139	1	139						
Sys Development Upgrade for Fire Support					195	1	195						
Life Cycle Software Support					192	1	192						
Sys Dev/Upgrade Fire Support					259	1	259						
Life Cycle FY01 Software Support					216	1	216						
Elec Combat/Suite of Equipment								413	1	413			
JNMS/Testbed upgrade								225	1	225			
Peripherals for testbed facilities								150	1	150			
Testbed Facility to upgrade JUICE								141	1	141			
Sys Dev Upgrade for Fire Support											650	1	650
BSN Testbed equipment upgrade											150	1	150
SSS testbed facilities upgrade											124	1	124
Total					1001			929			924		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: LIFE CYCLE SOFTWARE SUPPORT (LCSS) (BD3955)					
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
Electronic Combat Upgrades FY 2000	Ilex Camden, NJ	C/TM	CECOM	DEC 99	FEB 00	1	145			
Communications Engrg HW/SW Upgrade FY 2000	Raytheon Marlborough, MA	C/FFP	CECOM	JAN 00	MAR 00	1	714			
Communications Engrg HW/SW Upgrade FY 2001	General Dynamics Taunton, MA	C/TM	CECOM	SEP 01	DEC 01	1	139			
Sys Development Upgrade for Fire Support FY 2001	Telos Ashburn, VA	C/TM	CECOM	DEC 00	MAR 01	1	195			
Life Cycle Software Support FY 2001	ITT Industries Systems Colorado Springs, CO	C/CPAT/IDQ	CECOM	MAR 01	AUG 01	1	192			
Sys Dev/Upgrade Fire Support FY 2001	Telos Ashburn, VA	C/TM	CECOM	AUG 01	SEP 01	1	259			
Life Cycle FY01 Software Support FY 2001	Multi-Max Largo, MD	C/TM	CECOM	MAR 01	JUL 01	1	216			
Elec Combat/Suite of Equipment										

REMARKS:

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: LIFE CYCLE SOFTWARE SUPPORT (LCSS) (BD3955)					
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 JNMS/Testbed upgrade	To Be Selected	T&M/AT	CECOM	MAR 02	JUN 02	1	413			
FY 2002 Peripherals for testbed facilities	To Be Selected	T&M/AT	CECOM	APR 02	JUN 02	1	225			
FY 2002 Testbed Facility to upgrade JUICE	To Be Selected	T&M/AT	CECOM	MAR 02	MAY 02	1	150			
FY 2002 Sys Dev Upgrade for Fire Support	To Be Selected	T&M/AT	CECOM	APR 02	JUL 02	1	141			
FY 2003 BSN Testbed equipment upgrade	To Be Selected	C/TM	CECOM	JAN 03	MAY 03	1	650			
FY 2003 SSS testbed facilities upgrade	To Be Selected	T&M/AT	CECOM	FEB 03	JUN 03	1	150			
FY 2003	To Be Selected	T&M/AT	CECOM	FEB 03	JUN 03	1	124			

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

P-1 Item Nomenclature
LOGTECH (BZ8889)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	75.9	8.2	9.1	6.8	8.1	7.7	9.0	9.4	21.5	64.0		219.7
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)	75.9	8.2	9.1	6.8	8.1	7.7	9.0	9.4	21.5	64.0		219.7
Initial Spares												
Total Proc Cost	75.9	8.2	9.1	6.8	8.1	7.7	9.0	9.4	21.5	64.0		219.7
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

Automated Identification Technology (AIT) 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 LAN technology. AIT is used throughout the Army at the wholesale (AMC) and retail (STAMIS) 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.

Justification:

FY03 procures fielding support to Depot Systems Command and Army STAMIS with AIT and Radio Frequency Portable Data Collection Device (RFPDCD), networks and printers. Funds will continue these enabling technology initiatives provided by the Focused Logistics requirement in Joint Vision 2020.

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: LOGTECH (BZ8889)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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				2111			2812			1842		
Radio Frequency Portable Data Networks Collection Device (RFPDCD) .	A				2218			2508			2464		
Project Management Spt - Government .					400			409			418		
Provisioning .	A				250			300			300		
Engineering Support					1864			2120			2677		
Total					6843			8149			7701		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
AIT Peripherals										
FY 2001	Symbol Tech Inc Holtsville, NY	C/FP	CAC-W	Dec-00	Mar-01			Yes		
FY 2001	Symbol Tech Inc Holtsville, NY	C/FP	CAC-W	Jun-01	Sep-01			Yes		
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	CAC-W	Dec-02	Mar-03			Yes		
FY 2003	Symbol Tech Inc Holtsville, NY	C/FP	CAC-W	Mar-03	Jun-03			Yes		
FY 2003	Symbol Tech Inc Holtsville, NY	C/FP	CAC-W	Jul-03	Oct-03			Yes		
Radio Frequency Portable Data										
FY 2001	Savi Technology Mountain View, CA	C/FP	CAC-W	Dec-00	Mar-01			Yes		
FY 2001	Savi Technology Mountain View, CA	C/FP	CAC-W	Jun-01	Sep-01			Yes		
FY 2002	Savi Technology Mountain View, CA	C/FP	CAC-W	Jan-02	Apr-02			Yes		
FY 2002	Savi Technology Mountain View, CA	C/FP	CAC-W	Apr-02	Jul-02			Yes		
FY 2003	TBD	C/FP	CAC-W	Jan-03	Apr-03			Yes		

REMARKS: CAC-W - CECOM Acquisition Center - Washington

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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 2003	TBD	C/FP	CAC-W	Apr-03	Jul-03			Yes		

REMARKS: CAC-W - CECOM Acquisition Center - Washington

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	1.8	2.5	20.2	12.3	25.3	11.5	15.1	14.5	30.6	20.2		154.1
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)	1.8	2.5	20.2	12.3	25.3	11.5	15.1	14.5	30.6	20.2		154.1
Initial Spares												
Total Proc Cost	1.8	2.5	20.2	12.3	25.3	11.5	15.1	14.5	30.6	20.2		154.1
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:

FY03 procures the necessary replacement hardware 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 procurement of TC-AIMS II hardware including 229 mini-servers, 1,503 each laptop computers and printers, and automated identification technology equipment (597 each bar code printers and radio frequency interrogators, 607 combination hand-held interagators/bar code printers, and 16 optical memory card readers) for Army early deploying Power Projection Platforms and Power Support Platforms. TC-AIMS II will provide critical data to the Global Transportation Network and Service-designated Command and Control systems. TC-AIMS II is the foundation for joint transportation process improvement.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: TC AIMS II (BZ8900)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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							500			1291		
TC-AIMS II Hardware (mini-servers, Pentium-based desktop workstations and Pentium-based laptops)	A				4430			16394			7467		
Deployment/Training								8422			2738		
Initial COTS Executive Software * Configurations vary by site	A				7918								
Total					12348			25316			11496		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
TC-AIMS II Hardware										
FY 2001	VAR*	C/FP	CAC-W & GSA	MAR-01	JUL-01			YES		
FY 2001	VAR*	C/FP	CAC-W & GSA	APR-01	AUG-01			YES		
FY 2001	VAR*	C/FP	CAC-W & GSA	JUN-01	OCT-01			YES		
FY 2002	VAR*	C/FP	CAC-W & GSA	FEB-02	MAY-02			YES		
FY 2002	VAR*	C/FP	CAC-W & GSA	JUN-02	SEP-02			YES		
FY 2003	TBS	C/FP	CAC-W & GSA	OCT-02	FEB-03			YES		
FY 2003	TBS	C/FP	CAC-W & GSA	NOV-02	MAR-03			YES		
FY 2003	TBS	C/FP	CAC-W & GSA	DEC-02	APR-03			YES		
Initial COTS Executive Software										
FY 2001	LOGICON San Pedro, CA	C/FP	GSA, Kansas City, MO	AUG-01	AUG-01			YES		

REMARKS: Contractors are:
GSA - Government Services Administration, Kansas City, MO
CAC-W - CECOM Acquisition Center-Washington
* Configurations vary by site

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	64	73	83	97	131							448
Gross Cost	5.8	6.2	7.4	8.3	12.0	0.2						39.9
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)	5.8	6.2	7.4	8.3	12.0	0.2						39.9
Initial Spares	11.5											11.5
Total Proc Cost	17.3	6.2	7.4	8.3	12.0	0.2						51.5
Flyaway U/C												
Wpn Sys Proc U/C		0.1	0.1	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-Paladin 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:

FY03 dollars funds Total Package Fielding hand off and New Equipment Training. Funding is a continuation of GLPS production to be fielded to the active Army and National Guard.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: GUN LAYING AND POS SYS (GLPS) (A30000)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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				7731	97	80	10480	131	80			
Engineering Support (In-House)					99			293					
Quality Support (ARDEC)					15			47					
Logistics Support					167			499					
First Destination Transportation					5			30				3	
Total Package Fielding/New Equip Trng					316			637				156	
Total					8333			11986				159	

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Hardware										
FY 2001	Leica Technologies, Inc. Leesburg, VA	SS/FFP	TACOM - Rock Island	Jan 01	Dec 01	97	80	Yes	No	Feb 97
FY 2002	Leica Technologies, Inc. Leesburg, VA	SS/FFP	TACOM - Rock Island	Mar 02	Dec 03	131	80	Yes	No	Feb 97

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	30.2	15.8	13.2	28.8	32.2	31.4	18.8	15.7	5.0	3.0		194.1
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)	30.2	15.8	13.2	28.8	32.2	31.4	18.8	15.7	5.0	3.0		194.1
Initial Spares												
Total Proc Cost	30.2	15.8	13.2	28.8	32.2	31.4	18.8	15.7	5.0	3.0		194.1
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; and interface with each battlefield functional area in the Army Battle Command System (ABCS). The ISYSCON (V)1 & (V)2 software will reside 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 emergence of data networks at all echelons, and specifically the Tactical Internet, has placed greater responsibility on ISYSCON as the focal point for managing the interconnection of C3S systems. ISYSCON (V)1 & (V)2 is key to successful communications management for the 4th ID and III Corps. 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) interfaces with battlefield functional areas in ABCS, and solves significant shortcomings in today's network management systems. FY03 procures hardware, facilities and software licenses to continue the ISYSCON fielding. Additional FY03 funding will procure new equipment training, engineering change proposal. ISYSCON (V)4 will perform network management of the Tactical Internet and TOC LAN's. In FY03 TIMS transitions to B93900.

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: ISYSCON EQUIPMENT (BX0007)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
ISYSCON (V)1 & (V)2													
Production Hardware					8730	18	485	4850	10	485	11630	24	485
Hardware SICPS Facility					2250	15	150	1485	9	165	1798	10	180
Engineering/Integration					3246			2678			2417		
ECO's					751			538			1490		
Sys Proj Mgmt													
Government					1047			1172			1350		
Contractor					944			921			1052		
Data					30								
Fielding/Net					4048			9807			9248		
V/1&2 Initial Spares					947			284			527		
Training Base					1352								
Software Maintenance								675			934		
Software Licenses								1266			920		
Subtotal					23345			23676			31366		
ISYSCON (V)4													
Production System													
GFE-Appique+ and Workstations													
ISYSCON V(4) GFE-Laptops					354	59	6	267	41	7			
ISYSCON V(4) GFE-Software Licenses					420	42	10						
PDSS								359					
ECO's					290			217					
Engineering Support													
Government					229			170					
Contractor					150			690					
Data					35			7					
Training								767					
Fielding													
Initial Spares					180			30					
Initial Repair Parts					78			30					
New Equipment Training					3399			1850					
Contractor Log Support					200			2790					
Other Logistics					136			1345					
Subtotal					5471			8522					
Total					28816			32198			31366		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Production Hardware										
FY 2001	GDC4S Taunton, MA	FP/OPT	CECOM	Nov-00	Jul-01	18	485	Yes		
FY 2002	GDC4S Taunton, MA	IDQ	CECOM	Nov-01	Jul-02	10	485	Yes		
FY 2003	GDC4S Taunton, MA	IDQ	CECOM	Nov-02	Jul-03	24	485	Yes		
Hardware SICPS Facility										
FY 2001	Gichner Dallastown, PA	FP/OPT	PM TOC	Nov-00	Sep-01	15	150	Yes		
FY 2002	Gichner Dallastown, PA	TBD	PM TOC	Nov-01	Sep-02	9	165	Yes		
FY 2003	Marion Composite Marion, VA	TBD	PM TOC	Nov-02	Sep-03	10	180	Yes		
ISYSCON (V)4										
FY 2001	GSA Kansas City, MO	FP	GSA	Jun-01	Jul-01	59	6	Yes		
FY 2002	GDC4S Taunton, MA	IDQ	PM CHS	Mar02	Apr02	41	6	Yes		

REMARKS: All above hardware with the exception of SICPS is Commercial-Off-The-Shelf (COTS).
The ISYSCON (V)4/TIMS transitions to B93900 in FY03.

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

P-1 Item Nomenclature
Joint Network Management System (JNMS) (B95700)

Program Elements for Code B Items:
64786.363

Code:
A

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost						6.9	6.7	4.9	2.3	3.8		24.5
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)						6.9	6.7	4.9	2.3	3.8		24.5
Initial Spares												
Total Proc Cost						6.9	6.7	4.9	2.3	3.8		24.5
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

The Joint Network Management System (JNMS) is a Commander in Chief (CINC), 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 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:

JNMS will promote force level situational awareness, provide enhanced flexibility to support the commander's intent, improve management of scarce spectrum resources, and provide increased security of these critical systems and networks.

FY03 Initiates the procurement of JNMS hardware and COTS software maintenance, fielding, new equipment training and integration of hardware/software for the CINCs, selected Army HQ's/units, Signal Center, and Software Engineering Center.

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: Joint Network Management System (JNMS) (B95700)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Units	\$	\$000	Units	\$	\$000	Units	\$	\$000	Units	\$
Production System													
JNMS Hardware											1436	14	103
Software Maintenance											1627		
System Integration/Fldg/NET											1875		
Engineering Support													
Government											285		
Contractor											571		
Initial Spares											377		
Other Logistics											375		
JDIICS-D Maintenance											322		
Total											6868		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
JNMS Hardware FY 2003	SAIC McLean, VA	FFP	CECOM	May-03	Nov-03	14	103			

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 2002

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

P-1 Item Nomenclature
Tactical Internet Manager (B93900)

Program Elements for Code B Items:
28010.01D

Code:

Other Related Program Elements:
BX0007

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost						11.8	16.4	4.7	4.6	4.4		41.9
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)						11.8	16.4	4.7	4.6	4.4		41.9
Initial Spares												
Total Proc Cost						11.8	16.4	4.7	4.6	4.4		41.9
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

The ISYSCON (V) 4/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 LANs. TIMS Milestone C, Limited Deployment, was approved 21 June 2001. Prior to FY03, TIMS funding was part of ISYSCON, BX0007.

The TIMS systems support the Legacy transition path of the Transformation Campaign Plan (TCP).

Justification:

ISYSCON (V)4 will perform network management of the Tactical Internet and TOC Lans. FY03 procures hardware and Commercial-Off-The-Shelf (COTS) software to complete ICD fielding, complete IBCT3 fielding, initiate 3rd ARC and procure hardware for IBCT4.

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: Tactical Internet Manager (B93900)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
ISYSCON (V)4													
Production System													
ISYSCON V(4) GFE-Laptops											308	44	7
ISYSCON V(4) GFE-Software Licenses											396	44	9
ECOS											270		
Government Engineering											1379		
Initial Spares											70		
Initial Repair Spares											70		
New Equipment Training											1068		
Contractor Log Support											3366		
Other (PDSS)											4915		
Total											11842		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
ISYSCON V(4) GFE-Laptops FY 2003	GDC4S Taunton, MA	IDQ	PM CHS	Mar 03	Apr 03	44	7	Yes		

REMARKS: The above hardware is COTS

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty			239	246			212	441	62	197	8327	9724
Gross Cost		12.7	23.3	30.6	5.4	7.6	30.0	42.5	17.2	26.6	495.6	691.5
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)		12.7	23.3	30.6	5.4	7.6	30.0	42.5	17.2	26.6	495.6	691.5
Initial Spares					0.5	3.0	1.4	0.2	1.4	1.9	52.0	60.4
Total Proc Cost		12.7	23.3	30.6	5.9	10.6	31.4	42.7	18.6	28.5	547.6	752.0
Flyaway U/C												
Wpn Sys Proc U/C			0.1	0.1			0.1	0.1	0.3	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 Tactical Picture (CTP) software supporting battlefield situation display for all ABCS BFAs. The CTP 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:

FY03 funding million will support MCS systems that were procured in prior years and issued to the 4th ID, 1st CAV and III Corps located at Fort Hood. This funding will ensure the readiness of the MCS systems/capability for the Division Ready Brigade and the tactical units that will participate in the MCS Initial Operational Test & Evaluation (IOT&E).

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: MANEUVER CONTROL SYSTEM (MCS) (BA9320)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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- Computer Systems - CHS-2 (NCU-V2, NCU & SUPER MCS) (Includes Hardware Reprocurement)					8122	246	33						
2. RIGID WALL SHELTERS					2310	14	165						
3. TRAINING BASE HWR & HWR UPGRADES													
4. PERIPHERALS: Printer, Large Screen Display, Tact Scanner, Large Scale Plotter					3516								
5. PROJECT MANAGEMENT ADMIN					2816			2863			2000		
6. FIELDING Fielding Team, Rebuy Fielding Support Hardware Integration					5305			1184			4200		
7. INTERIM CONTRACTOR SUPPORT					2793								
8. OTHER - CTSF Spt, GBL, Software Support					5709			1350			1384		
Total					30571			5397			7584		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
1. HARDWARE- Computer Systems - CHS-2										
FY 2000	General Dynamics Taunton, MA	C/FP/OPT	CECOM, Ft Monmouth, NJ	Jan 00	Jul 00	239	25	Yes		
FY 2001	General Dynamics Taunton, MA	C/FP/OPT	CECOM, Ft Monmouth, NJ	Jan 01	Jul 01	246	33	Yes		

REMARKS: No CHS-2 hardware to be procured for MCS in FY 02 and 03.

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	4811											4811
Gross Cost	405.0	46.6	33.2	23.3	47.3	61.3	59.1	59.6	67.4	71.0		873.8
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)	405.0	46.6	33.2	23.3	47.3	61.3	59.1	59.6	67.4	71.0		873.8
Initial Spares												
Total Proc Cost	405.0	46.6	33.2	23.3	47.3	61.3	59.1	59.6	67.4	71.0		873.8
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 Army Human Resource System (formerly SIDPERS-3).

GCSS-Army/T is the number one enabler for the Army CSS transformation, operating at all force levels, and will take advantage of today's web technology and Business Process Reengineering initiatives to support logistics management. It is the business/tactical automation enabler for the total Army CSS mission area and constitutes the Army portion of the GCSS. GCSS-Army/T consists of six major modules: Supply Property (SPR), Maintenance (MNT), Ammunition (AMMO), Supply Support (SSA), Integrated Materiel Management (IMM) and Management (MGT). Implementation of GCSS-Army/T modernizes and integrates thirteen legacy system baselines from multiple stovepipe and a non-integrated environment to a seamless, integrated and modern web-based application. GCSS-Army supports the Objective transition path of the Transformation Campaign Plan (TCP).

AHRS will integrate the myriad of Human Resources (HR) developments to produce a system of systems to support Army Personnel Transformation. AHRS will be comprised of 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. AHRS supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

Justification:

FY03 procures and fields COTS computers to continue GCSS-Army/Tactical hardware and STAMIS support systems. It also procures AHRS 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-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: STAMIS TACTICAL COMPUTERS (STACOMP) (W00800)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
GCSS-Army													
GCSS-Army Hardware	A				16117			33218			42907		
GCSS-Army Fielding/Training	A				1333			7442			4314		
=====													
SIDPERS-3/AHRS													
SIDPERS- 3 Hardware/AHRS	A				2546			2590			10776		
SIDPERS-3 Project Management - Gov't	A				660			342					
SIDPERS- 3 Engineering Support	A				819			910					
=====													
STAMIS Support													
STAMIS Support Hardware	A				161			257			253		
STAMIS Support Fielding /Training	A				1668			2496			3054		
=====													
* COTS Microcomputers - configurations vary by user requirements & site													
Total					23304			47255			61304		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
GCSS-Army Hardware										
FY 2001	Various	C/FP	CAC-W	MAR-01	APR-01			YES		
FY 2001	Various	C/FP	CAC-W	OCT-01	NOV-01			YES		
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		
SIDPERS- 3 Hardware/AHRS										
FY 2001	GTSI Chantilly, VA	C/FP	CAC-W	JUN-01	JUL-01			YES		
FY 2001	GTSI Chantilly, VA	C/FP	CAC-W	JUL-01	AUG-01			YES		
FY 2001	GTSI Chantilly, VA	C/FP	CAC-W	AUG-01	SEP-01			YES		
FY 2002	GTSI Chantilly, VA	C/FP	CAC-W	MAR-02	APR-02			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.

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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	GTSI Chantilly, VA	C/FP	CAC-W	JUN-02	JUL-02			YES		
FY 2002	GTSI Chantilly, VA	C/FP	CAC-W	JAN-02	FEB-02			YES		
FY 2003 STAMIS Support Hardware	TBS	C/FP	CAC-W	TBD	TBD			YES		
FY 2001	GTSI Chantilly, VA	C/FP	CAC-W	MAR-01	APR-01			YES		
FY 2002	GTSI Chantilly, VA	C/FP	CAC-W	MAR-02	APR-02			YES		
FY 2003	GTSI Chantilly, VA	C/FP	CAC-W	MAR-03	APR-03			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.

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	110.1	28.7	30.6	57.6	32.8	29.5	36.7	28.6	44.6	32.8		431.9
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)	110.1	28.7	30.6	57.6	32.8	29.5	36.7	28.6	44.6	32.8		431.9
Initial Spares												
Total Proc Cost	110.1	28.7	30.6	57.6	32.8	29.5	36.7	28.6	44.6	32.8		431.9
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 Expansive 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.
- (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.

Exhibit P-40C, Budget Item Justification Sheet

Date:

February 2002

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:

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

Justification:

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.

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: STANDARD INTEGRATED CMD POST SYSTEM (BZ9962)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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					1200	200	6	280	40	7	1092	156	7
PM/Administration					20			300			600		
Engineering Support					60			1137			500		
2. Rigid Wall Shelter -V4					10609	103	103						
2. Rigid Wall Shelter					2060	20	103						
PM/Administration					450			437			400		
Engineering Support					600			2050			1000		
Interim Contractor Support													
RWS GFE					13631								
3. Rigid Wall Shelter - V5								2688	14	192	10176	53	192
PM/ Administration					150			800			900		
Engineering Support					200			1162			1100		
4. M1068 Conversion Kit													
Fldg/Install													
PM/Administration					630								
Engineering Support					700								
Interim Contractor Support													
5.M577													
PM/Administration								730			750		
Engineering Support								980			800		
6. 5-Ton E-Van Installation Kit								1700	10	170	1593	9	177
PM/Administration					600			731			900		
Engineering Support					600			750			900		
Interim Contractor Support													
7. Soft Top HMMWV Installation Kit					2100	35	60	4556	67	68	2130	30	71
PM/Administration					600			726			900		
Engineering Support					600			747			900		
Interim Contractor Support													
8. TOCs/AMDCCS H/W					5800			6863					
9. Rigid Wall Shelter - 1st and 2d IBCT					10000								
IBCT GFE					923								
10. Interim Contractor					6054			6122			3794		
11. Engineering Support											1100		
Total					57587			32759			29535		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
1. Tent Command Post										
FY 2001	Camel Manufacturing Lafollette, TN	C/Option	DLA, Phil, PA	Feb 01	Aug 01	200	6	Yes		
FY 2002	Camel Manufacturing Lafollette, TN	C/Option	DLA,Phil, PA	Feb 02	Aug 02	40	7	Yes		
FY 2003	Camel Manufacturing Lafollette, TN	C/Option	DLA,Phil, PA	Feb 03	Aug 03	156	7	Yes		
2. Rigid Wall Shelter -V4										
FY 2001	Gichner Manufacturing Dallastown, PA	C/Option	CECOM	Dec 00	May 01	103	103	Yes		
2. Rigid Wall Shelter										
FY 2001	TBS		CECOM	Sep 01	Apr 02	20	103	Yes		
3. Rigid Wall Shelter - V5										
FY 2002	TBS		CECOM	Aug 02	Apr 03	14	192			
FY 2003	TBS		CECOM	Aug 03	Apr 04	53	192			
6. 5-Ton E-Van Installation Kit										
FY 2002	Tobyhanna Army Depot	MIPR	CECOM	Jan 02	Nov 02	10	170	Yes		
FY 2003	Tobyhanna Army Depot	MIPR	CECOM	Jan 03	Nov 03	9	177	Yes		
7. Soft Top HMMWV Installation Kit										

REMARKS:

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
FY 2001	Tobyhanna Army Depot	MIPR	CECOM	Jan 01	Oct 01	35	60	Yes		
FY 2002	Tobyhanna Army Depot	MIPR	CECOM	Jan 02	Oct 02	67	68	Yes		
FY 2003	Tobyhanna Army Depot	MIPR	CECOM	Jan 03	Oct 03	30	71	Yes		
9. Rigid Wall Shelter - 1st and 2d IBCT										
FY 2001	Gichner Manufacturing Dallastown, PA	C/Option	CECOM	Dec 00	May 01			Yes		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	20.4	23.1	16.2	34.3	26.1	19.2	28.9	44.6	47.0	47.6		307.4
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)	20.4	23.1	16.2	34.3	26.1	19.2	28.9	44.6	47.0	47.6		307.4
Initial Spares												
Total Proc Cost	20.4	23.1	16.2	34.3	26.1	19.2	28.9	44.6	47.0	47.6		307.4
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

Army Training Modernization includes three related efforts to acquire digital training facilities. Digital training facilities 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 2002

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:

FY03 funds allow continued fielding of DTTP DTF 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; and procures additional infrastructure to support Army training at remote sites for a major subset of existing Army courses.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: ARMY TRAINING MODERNIZATION (BE4169)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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				20432			19876			12776		
Distributive Training Technology Program (DTTP)	A				10461			2963			2962		
Other Training Modernization (CR XXI)	A				3400			3271			3495		
Total					34293			26110			19233		

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost				10.5	3.0	3.0	10.7	30.6	30.1	26.7		114.5
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)				10.5	3.0	3.0	10.7	30.6	30.1	26.7		114.5
Initial Spares												
Total Proc Cost				10.5	3.0	3.0	10.7	30.6	30.1	26.7		114.5
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

Distributive Training Technology Program (DTTP) will provide approximately 470 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:

FY03 funds allow continued fielding of DTTP DTF in order to provide Distance Learning capabilities to additional locations, consistent with the Army plan. Each DTF provides a positive return on investment, and supports both improved force readiness and meets Congressional direction.

Previously funded under Information Systems (SSN: BB8650)

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: DISTRIBUTIVE TRAINING TECHNOLOGY (BE4171)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Digital Training Facilities (3 to 18 students) (Data Process Servers, Desktop PCs, Audio/Video Equipment, Communications Infrastructure) +++++					6600	33	200	1800	12	150	1800	12	150
Integration, Production and Fielding (Labor and tools associated with production and fielding of the complete Digital Training Facility system.)					3861	33		1163	10		1162	10	117
Total					10461			2963			2962		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Digital Training Facilities										
FY 2001	Electronic Data Systems Reston, VA	C/FP	National Capital Region (NCR)	Jan-01	Apr-01	33	200	Y		
FY 2002	TBS GSA, NCR/FISSP	C/FP	NCR	Jan-02	Apr-02	12	150	Y		
FY 2003	TBS GSA, NCR/FISSP	C/FP	NCR	Jan-03	Apr-03	12	150	Y		
Integration, Production and Fielding										
FY 2001	Electronic Data Systems Reston, VA	C/CPAF	NCR	Jan-01	Apr-01	33		Y		
FY 2002	TBS GSA, NCR/FISSP	C/CPAF	NCR	Jan-02	Apr-02	10		Y		
FY 2003	TBS GSA, NCR/FISSP	C/CPAF	NCR	Jan-03	Apr-03	10	117	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 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	5.8	5.4	7.6	3.4	3.3	3.5	3.4	3.7	3.2	3.3		42.7
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)	5.8	5.4	7.6	3.4	3.3	3.5	3.4	3.7	3.2	3.3		42.7
Initial Spares												
Total Proc Cost	5.8	5.4	7.6	3.4	3.3	3.5	3.4	3.7	3.2	3.3		42.7
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:

In FY03 funding allows 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 (DTT), and The Army Distance Learning Program (TADLP)) as needed.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: OTHER TRAINING MODERNIZATION (BE4172)			Weapon System Type:			Date: February 2002			
OPA2 Cost Elements		ID	FY 00			FY 01			FY 02			FY 03		
		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						3400			3271			3495		
Total						3400			3271			3495		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Classroom XXI (CRXXI)										
FY 2001	Federal Data Corporation Greenbelt, MD	MIPR	GSA, Kansas City, MO	Oct-00	Nov-00			YES		
FY 2001	ACS Virginia Beach, VA	MIPR	GSA, Bremerton, WA	Oct-00	Nov-00			YES		
FY 2001	Portable Warehouse Corp Anaheim, CA	MIPR	GSA, Bremerton, WA	Oct-00	Nov-00			YES		
FY 2002	Federal Data Corporation Greenbelt, MD	MIPR	GSA, Kansas City, MO	Nov-01	Dec-01			YES		
FY 2002	ACS Virginia Beach, VA	C/FP	TAC, Ft Eustis, VA	TBS	TBS			YES		
FY 2002	Portable Warehouse Corp Anaheim, CA	MIPR	GSA, Bremerton, WA	TBS	TBS			YES		
FY 2003	Federal Data Corporation 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			NO		
FY 2003	Portable Warehouse Corp Anaheim, CA	MIPR	GSA, Bremerton, WA	Oct-02	Oct-02			NO		

REMARKS: Classroom XXI Contractor is: Federal Data Corp., Greenbelt, MD. (Classroom infrastructure)
GSA, Kansas City, MO = General Services Administration (GSA)
TAC = TRADOC Acquisition Ctr located at Ft Eustis, VA

Configurations vary by user requirements

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	14.5	17.6	8.6	20.4	19.9	12.8	14.8	10.3	13.6	17.6		150.2
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)	14.5	17.6	8.6	20.4	19.9	12.8	14.8	10.3	13.6	17.6		150.2
Initial Spares												
Total Proc Cost	14.5	17.6	8.6	20.4	19.9	12.8	14.8	10.3	13.6	17.6		150.2
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

The Army Distance Learning Program (TADLP) is an ACAT 1AC program. TADLP will provide approximately 381 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 1st Qtr FY02 194 DTFs have been completed. The objective quantity of 381 DTFs consists of 214 Active Component DTFs and 167 United States Army Reserve DTFs. TADLP will aid the Army to properly train all components to a single Army standard. TADLP supports readiness by enhancing institutional and individual training in all Army components (Active, Army National Guard, and Army Reserve).

TADLP 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 TADLP is to leverage technology and learning theory by providing just-in-time training to each service member regardless of location. TADLP 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. This system supports the Objective transition path of the Transformation Campaign Plan (TCP).

Justification:

FY03 procures additional infrastructure to support Army training at remote sites for a major subset of existing Army courses. This includes an additional procurement of 34 DTFs. This supports implementation of synchronous and asynchronous training tools to augment and enhance existing Army training instruments. Also planned is the continued procurement of Block 3, Learning Management System, 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.

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: THE ARMY DISTANCE LEARNING PROGRAM (TADLP) (BE4173)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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 Student DTF (Active Component) (Digital Training Facilities) (Data Process Servers, Desktop PCs, Audio/Video Equipment, and Communications Infrastructure) *****	A				6451	21		9206	30		3205	10	
Block 1 - 12 Student DTF (Reserve Component) (Data Process Servers, Desktop PCs, Audio/Video Equipment, and Communications Infrastructure) *****	A				6791	29		4760	17		7153	24	
Block 2 - Upgrade existing DTF to Networking Capability, H/W, S/W *****	A				5512								
Block 2 - Software *****					185			185			185		
Block 2 - Engineering and Installation Support *****	A				1493			1686			1250		
Block 3 - Learning Management System S/W and Installation *****	A							4039			983		
Configurations vary by user requirements and site													
Total					20432			19876			12776		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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 Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Block 1 - 16 Student DTF (Active)										
FY 2001	VAR*	C/IDIQ	GSA, Region 10	Jan-01	Feb-01	21		YES		
FY 2002	VAR*	C/IDIQ	GSA, Region 10	Jan-02	Feb-02	30		YES		
FY 2003	VAR*	C/IDIQ	GSA, Region 10	Jan-03	Jan-03	10		YES		
Block 1 - 12 Student DTF (Reserve)										
FY 2001	VAR*	C/IDIQ	GSA, Region 10	Jan-01	Feb-01	29		YES		
FY 2002	VAR*	C/IDIQ	GSA, Region 10	Jan-02	Feb-02	17		YES		
FY 2003	VAR*	C/IDIQ	GSA, Region 10	Jan-03	Jan-03	24		YES		
Block 2 - Upgrade existing DTF										
FY 2001	VAR*	C/IDIQ	GSA, Region 10	Mar-01	Apr-01			YES		
Block 2 - Software										
FY 2001	TELOS Corporation Ashburn, VA	C/IDIQ	CECOM, Ft Monmouth, NJ	Aug-01	Aug-01			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		
Block 2 - Engineering and Installation										

REMARKS: GSA, Region 10 - General Services Administration, Region 10, Bremerton, Washington
Contractors are Sprint, Herndon, VA (televideo equipment); ACS Systems Engineering, Virginia Beach, VA

*VAR - Configurations vary by user requirements and site.

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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 Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2001	Info Sys Engrg Cmd Ft. Huachuca, AZ	MIPR	Ft. Huachuca, AZ	Oct-00	Oct-00			YES		
FY 2002	Info Sys Engrg Cmd Ft. Huachuca, AZ	MIPR	Ft. Huachuca, AZ	Dec-01	Dec-01			YES		
FY 2003	Info Sys Engrg Cmd Ft. Huachuca, AZ	MIPR	Ft. Huachuca, AZ	Oct-02	Oct-02			YES		
Block 3 - Learning Management System										
FY 2002	PricewaterhouseCoopers Fairfax, VA	C/IDIQ	CECOM, Ft Monmouth, NJ	Jun-02	Jul-02			YES		
FY 2003	PricewaterhouseCoopers Fairfax, VA	C/IDIQ	CECOM, Ft Monmouth, NJ	Nov-03	Dec-03			YES		

REMARKS: GSA, Region 10 - General Services Administration, Region 10, Bremerton, Washington
Contractors are Sprint, Herndon, VA (televideo equipment); ACS Systems Engineering, Virginia Beach, VA

*VAR - Configurations vary by user requirements and site.

Exhibit P-40, Budget Item Justification Sheet

Date: February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	2040.0	132.4	155.9	188.2	158.6	156.5	175.4	181.6	242.0	252.6		3683.2
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)	2040.0	132.4	155.9	188.2	158.6	156.5	175.4	181.6	242.0	252.6		3683.2
Initial Spares												
Total Proc Cost	2040.0	132.4	155.9	188.2	158.6	156.5	175.4	181.6	242.0	252.6		3683.2
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 C4I for the Warrior and power projection strategies, split base operations, and downsized force structures. The effectiveness of the 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.

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: AUTOMATED DATA PROCESSING EQUIP (BD3000)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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				3131			6678			8624		
Strategic Logistic Program	A				26564			21409			19679		
Reserve HQ Automation	A				1641			1811			1702		
High Performance Computing	A				417								
HQ Management Information Systems	A				11191			23294			37894		
MACOM Automation Systems	A				41416			47264			39754		
Personnel Automation Systems	A				34016			30705			44256		
Logistics Automation System	A				4940			2673			2231		
Joint Computer Aided ACQ & Logistics SPT	A				64908			24774			2406		
Total					188224			158608			156546		

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	38.2	3.0	4.3	3.1	6.7	8.6	7.8	3.6	3.6	7.9		86.9
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)	38.2	3.0	4.3	3.1	6.7	8.6	7.8	3.6	3.6	7.9		86.9
Initial Spares												
Total Proc Cost	38.2	3.0	4.3	3.1	6.7	8.6	7.8	3.6	3.6	7.9		86.9
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) (FORMERLY KNOWN AS RECORD INFORMATION PROCESSING SYSTEM): 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.

PERSONNEL TRANSFORMATION RECORDS MANAGEMENT EXPANSION-ARMY NATIONAL GUARD (ARNG) STATE LEVEL: This personnel transformation initiative will create a value-based personnel environment that provides world-class personnel support to the Army. People, transformation, and readiness will be integrated together. This new concept of personnel and Human Resources support will operate in a knowledge-based organization and provide access to personnel information essential to the commander's decision-making processes that ensures force readiness. It will expand PERMS to the ARNG state level.

Exhibit P-40C, Budget Item Justification Sheet

Date:

February 2002

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:

Justification:

PERSONNEL ELECTRONIC RECORDS MANAGEMENT SYSTEM (PERMS): FY03 procures hardware and software providing automation capability to the Army Selection and Promotion Board process and will continue the realignment of PERMS to support electronic imaging as well as secure archiving of official DOD and Army personnel records. Funds will also continue the upgrade of automation equipment to replace ten-year-old microfiche-generating equipment with new modern devices. These initiatives replace paper and microfiche records with records that can be delivered electronically to Soldiers and Federal customers including National Archives and Records Administration (NARA), thus reducing production and delivery costs to the Army for both operations and archiving.

ARMY RECORDS INFORMATION MANAGEMENT SYSTEM (ARIMS)(FORMERLY KNOWN AS RECORD INFORMATION PROCESSING SYSTEM): FY03 procures hardware and software required for integration of secure high density storage and retrieval of the Army's long term electronic records. 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.

PERSONNEL TRANSFORMATION RECORDS MANAGEMENT EXPANSION-ARMY NATIONAL GUARD (ARNG) STATE LEVEL: FY03 funds procure data servers, web servers, communications equipment, Commercial-Off-The-Shelf (COTS) software, data entry devices, storage upgrades and other network components required to expand Personnel Electronic Records Management System (PERMS) to the ARNG State level.

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: OPTICAL DIGITAL EQUIP (BD3956)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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 Hardware/Software	A				2299			5291			5466		
Army Records Information Management System Hardware/Software	A				832			842			862		
Personnel Transformation Records Management Expansion-Army National Guard (ARNG) State Level Hardware/Software	A										2296		
Congressional FY02 plus up allocated to Strategic Logistics Program	A							545					
Total					3131			6678			8624		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Personnel Electronic Records Management System Hardware/Software										
FY 2001	PRC, Inc. McLean, VA	C/FP	GSA-FEDSIM, Falls Church, VA	JAN 01	MAR 01			YES	NO	
FY 2001	SAIC Columbia, MD	C/FP	GSA-FEDSIM, Falls Church, VA	JAN 01	JAN 01			YES	NO	
FY 2001	CHE Consulting St. Louis, MO	C/FP	GSA-FEDSIM, Falls Church, VA	JAN 01	MAR 01			YES	NO	
FY 2002	TBS	C/FP	GSA-FEDSIM, Falls Church, VA	MAR 02	MAY 02			YES	NO	
FY 2003	TBS	C/FP	GSA-FEDSIM, Falls Church, VA	JAN 03	MAR 03			YES	NO	
Army Records Information Management System Hardware/Software										
FY 2001	Intergraph Huntsville, AL	C/FP	NAVICP, Mechanicsburg, PA	FEB 01	APR 01			YES	NO	
FY 2002	TBS	C/FP	NAVICP, Mechanicsburg, PA	MAR 02	MAY 02			YES	NO	
FY 2003	TBS	C/FP	NAVICP, Mechanicsburg, PA	JAN 03	FEB 03			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
 SAIC - Science Applications International Corporation

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Personnel Transformation Records Management Expansion-Army National Guard (ARNG) State Level Hardware/Software 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
 SAIC - Science Applications International Corporation

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

P-1 Item Nomenclature
STRATEGIC LOGISTICS PROGRAM (SLP) (BD7000)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	107.8	36.1	31.7	26.6	21.4	19.7	27.2	31.8	57.1	57.7		417.0
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)	107.8	36.1	31.7	26.6	21.4	19.7	27.2	31.8	57.1	57.7		417.0
Initial Spares												
Total Proc Cost	107.8	36.1	31.7	26.6	21.4	19.7	27.2	31.8	57.1	57.7		417.0
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. The program has been refocused, at the direction of the TDP General Officer Steering Committee, centering on enabling technologies to support Homeland Security and Combat Support/Combat Service Support (CS/CSS) Transformation. 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 refocused 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.

Justification:

FY 03 funding develops 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. 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. Funding supports the 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.

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: STRATEGIC LOGISTICS PROGRAM (SLP) (BD7000)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
. CSS Automation Integration Comm Hardware and Software .	A				5851			6150			6146		
. Automatic Identification Technology (AIT) RF Tags/Interrogators/RF Links/ Retrievers .	A				20713			13511			13533		
. Ammunition Automatic Identification Technology (AIT) Integration (Excludes 2752 of 3500 FY02 Congressional plus up) .	A							748					
. Maintenance Automatic Identification Technology (AIT) (Excludes all 3000 FY02 Congressional plus up) .	A												
. Automated Manifest System (FY02 Congressional plus up) .	A							1000					
. Quantities and unit costs vary by configuration for all programs .													
Total					26564			21409			19679		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
CSS Automation Integration										
FY 2001	Sysorex Inc. Fairfax, VA	C/FP	CECOM, Ft. Monmouth, NJ	APR-01	MAY-01			YES	NO	
FY 2001	Motorola Tempe, AZ	C/FP	CECOM, Ft. Monmouth, NJ	APR-01	MAY-01			YES	NO	
FY 2001	GTSI Chantilly, VA	C/FP	CECOM, Ft. Monmouth, NJ	APR-01	MAY-01			YES	NO	
FY 2002	TBS	C/FP	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES	NO	
FY 2003	TBS	C/FP	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES	NO	
Automatic Identification Technology										
FY 2001	SAVI Technology Sunnyvale, CA	C/FP	MDW, Ft. Belvoir, VA	APR-01	MAY-01			YES	NO	
FY 2001	Unisys Corporation McLean, VA	C/FP	MDW, Ft. Belvoir, VA	SEP 01	SEP 01			YES	NO	
FY 2001	Symbol Technologies Holtsville, NY	C/FP	MDW, Ft. Belvoir, VA	SEP 01	SEP 01			YES	NO	
FY 2001	Dell Marketing, LP Austin, TX	C/FP	MDW, Ft. Belvoir, VA	SEP 01	SEP 01			YES	NO	
FY 2001	MEGASYTE International Corp. Tampa, FL	C/FP	MDW, Ft. Belvoir, VA	SEP 01	SEP 01			YES	NO	
FY 2001	World Wide Technology, Inc. St. Louis, MO	C/FP	MDW, Ft. Belvoir, VA	SEP 01	SEP 01			YES	NO	
FY 2001	American Management Systems Fairfax, VA	C/FP	TAC, Ft. Eustis, VA	JUN 01	JUL 01			YES	NO	

REMARKS: All quantities and unit costs vary by configuration.
 CECOM - Communications-Electronics Command
 MDW - Military District of Washington
 TAC - Training and Doctrine Command (TRADOC) Acquisition Center
 VAR - Multiple contracts awarded/delivered throughout the year.

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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 2001	Federal Data Corporation Greenbelt, MD	C/FP	TAC, Ft. Eustis, VA	JUN 01	JUN 01			YES	NO	
FY 2001	Sun Microsystem Federal, Inc. McLean, VA	C/FP	MDW, Ft. Belvoir, VA	JUL 01	AUG 01			YES	NO	
FY 2002	TBS	C/FP	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES	NO	
FY 2003	TBS	C/FP	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES	NO	
.										
Ammunition Automatic Identification										
Technology (AIT) Integration										
FY 2002	TBS	C/FP	TBS	VAR	VAR			YES	NO	
.										
Maintenance Automatic Identification										
Technology (AIT)										
FY 2002	TBS	C/FP	TBS	VAR	VAR			YES	NO	
.										
Automated Manifest System										
FY 2002	TBS	C/FP	TBS	VAR	VAR			YES	NO	

REMARKS: All quantities and unit costs vary by configuration.
 CECOM - Communications-Electronics Command
 MDW - Military District of Washington
 TAC - Training and Doctrine Command (TRADOC) Acquisition Center
 VAR - Multiple contracts awarded/delivered throughout the year.

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
.										

REMARKS: All quantities and unit costs vary by configuration.
 CECOM - Communications-Electronics Command
 MDW - Military District of Washington
 TAC - Training and Doctrine Command (TRADOC) Acquisition Center
 VAR - Multiple contracts awarded/delivered throughout the year.

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

P-1 Item Nomenclature
RESERVE HQ AUTOMATION (BE4000)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	15.6	0.8	1.7	1.6	1.8	1.7	1.7	1.7	1.8	1.8		30.3
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)	15.6	0.8	1.7	1.6	1.8	1.7	1.7	1.7	1.8	1.8		30.3
Initial Spares												
Total Proc Cost	15.6	0.8	1.7	1.6	1.8	1.7	1.7	1.7	1.8	1.8		30.3
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 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 transition from the Total Army Personnel Data Base (TAPDB) to an Integrated Total Army Personnel Data Base (ITAPDB) in support of the Army's ongoing Transformation and Well-Being initiatives.

Justification:

FY03 procures the base infrastructure hardware, software, and communications to continue AR-PERSCOM's migration to a knowledge-based environment with web-enabled applications that will enhance productivity, significantly improve customer service response time, and enable users to easily share relevant information in a secure environment.

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: RESERVE HQ AUTOMATION (BE4000)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		TotalCost	Qty	UnitCost	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				1641			1663			1702		
Congressional FY02 plus up allocated to Strategic Logistics Program								148					
Total					1641			1811			1702		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
US Army Reserve Personnel Command (AR-PERSCOM) Automation (Servers, Local Area Networks, Software, Storage Devices, and Internet/Intranet) FY 2001 FY 2002 FY 2003	PRC, Inc. St Louis, MO	C/FP	GSA, Kansas City, MO	MAY 01	JUL 01			YES	NO	
	TBS	C/FP	GSA, Kansas City, MO	MAR 02	APR 02			YES	NO	
	TBS	C/FP	GSA, Kansas City, MO	MAR 03	APR 03			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 2002

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

P-1 Item Nomenclature
HIGH PERFORMANCE COMPUTING (BE4152)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	91.5	0.4	0.6	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)	91.5	0.4	0.6	0.4								92.8
Initial Spares												
Total Proc Cost	91.5	0.4	0.6	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.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: HIGH PERFORMANCE COMPUTING (BE4152)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
. Mass Storage Upgrade Network Connectivity Workstations . . All quantities and unit costs vary by configuration	A				417								
Total					417								

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Mass Storage Upgrade										
Network Connectivity Workstations										
FY 2001	Edgemark Systems Silver Springs, MD	C/FP	Acquisition Center, APG, MD	FEB-01	MAR-01			Yes	No	
FY 2001	Bell Atlantic Baltimore, MD	C/FP	Acquisition Center, APG, MD	FEB-01	MAR-01			Yes	No	
FY 2001	OM Office Supply Inc. Mechanicsburg, PA	C/FP	Acquisition Center, APG, MD	FEB-01	MAR-01			Yes	No	
FY 2001	Federal Data Corporation Bethesda, MD	C/FP	Acquisition Center, APG, MD	FEB-01	MAR-01			Yes	No	
FY 2001	Fore Systems Vienna, VA	C/FP	Acquisition Center, APG, MD	FEB-01	MAR-01			Yes	No	

REMARKS: All quantities and unit costs vary by configuration.
APG - Aberdeen Proving Ground

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	122.0	5.9	5.9	11.2	23.3	37.9	36.7	35.5	41.6	41.6		361.5
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)	122.0	5.9	5.9	11.2	23.3	37.9	36.7	35.5	41.6	41.6		361.5
Initial Spares												
Total Proc Cost	122.0	5.9	5.9	11.2	23.3	37.9	36.7	35.5	41.6	41.6		361.5
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 03 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 03 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 FY03 funds procure state-of-the-art computer simulation software, computer automation and graphics equipment. The equipment will be used by numerous analysis agencies, 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 2002

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 CONUS, Alaska, Puerto Rico, United Kingdom, Europe, Korea, Japan, and (in early FY01) the Mid-East. FY 03 procures computer and peripheral equipment including (1) servers for technical maintenance, data replication, Web control, 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, and (6) communications equipment components for the systems technical support team. 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 modified to accommodate re-engineering of Army Housing operations. The Web features will require each installation to have a Web server.

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 Network Infrastructure Services Agency (NISA) Business Data Center and the Pentagon Telecommunications Service Center (PTSC) through replacement of equipment that has been extended far 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). Infrastructure investments will enable Secretary of the Army to continue investment in modern Internet/Web-based technologies to more effectively accomplish core missions of resource allocation and policy development. The PTSC is a Congressionally mandated function, for which Army is the Executive Agent. The PTSC operates the Defense Message System (DMS) Local Control Center providing DMS infrastructure message service for the entire Pentagon/National Capitol Region user community. Common IT: FY03 procures life cycle replacement of switches, routers, application servers, network management software, probes/measurement devices; security equipment for intrusion detection firewall operations, information warfare operations, malicious logic protection, information assurance, and cryptographic equipment. Other IT: FY03 procures hardware/software for Data Center replacement of one computing platform, communications controller, and direct access storage device (DASD) with new technology; upgrade of an automated distributed storage manager (ADSM) tape silo; and replacement of Open System Adapter (OSA) technology to accommodate new high density tape cartridges. Replacement/upgrade of equipment is critical because third-party maintenance and replacement parts for obsolete/outdated equipment are 40% higher than normal maintenance costs. FY03 also procures PTSC replacement of DMS equipment, installation of a computing platform/Multi-Functional Interpreter; and installation of a Unified Message Processor that will provide capability to converge voice, e-mail, fax, and video messages into a single mailbox.

Exhibit P-40C, Budget Item Justification Sheet

Date:

February 2002

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:

Replacement/upgrade of the 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. 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 Commander-in-Chief 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, 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, and the Alternate Joint Command Center - Site R. FY03 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.

COMMAND AND CONTROL (C2) INFOSTRUCTURE. This program procures the Command, Control, Communications, Computers, and Intelligence Technology (C4IT) infostructure at Army and Army supported Commander-in-Chief (CINC) sites. It provides for command and control (C2) infostructure capabilities that support C2 functionality to the CINC, Army commanders and staffs throughout a CINC's area of responsibility. The program provides classified computer and communications infrastructure to allow for planning, mobilizing, and execution of CINC 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 CINCs' command centers. Specific CINCs supported include the European Command (EUCOM), the US Forces Korea (USFK), and the Southern Command (SOUTHCOM). FY 03 procures critical infostructure components for the Global Command and Control System (GCCS), the Global Combat Support System (GCSS), Warfighting Infostructure, 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.

LEGAL AUTOMATION ARMY-WIDE SYSTEM (LAAWS). LAAWS is an approved Standard Army Management Information System (STAMIS) for Army law offices. It supports the Army Claims mission and other automated research and preparation of legal advice to Army commanders, from brigade though HQDA level, on issues of target selection, treatment and classification of refugees and prisoners of war, military operations in occupied areas, international treaties, Law of War, etc., and assists individual soldiers with legal readiness matters. LAAWS supports software to produce legal documents such as wills and powers-of-attorney. It supports automated legal research, the processing and management of claims for/against the Army and the electronic distribution of legal materials. FY03 procures hardware and software (servers, network card, switches, workstations, laptops, printers, etc.) and software (upgrades and licensing). This supports both Army's restricted access, web-based information system for judge advocates worldwide and unrestricted internet portion.

ENVIRONMENTAL REPORTING INFOSTRUCTURE. This hardware platform program will support seven environmental reporting systems enabling regulatory and management reporting requirements. FY03 funds procures servers. Replacement allows needed software use. The proposed equipment is compatible with Headquarters Enterprise Network environment and architecture.

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 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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				1923			1738			6425		
Army Model Improvement Program (AMIP) Hardware and Software	A				498			623			515		
Housing Operations Management System (HOMES) Hardware and Software	A				397			451			464		
Pentagon Information Technology (IT) Infrastructure													
-Common IT (Renovation)	A							9358			18257		
-Other IT	A							2191			2075		
Command Center Infostructure Hardware, Software, Fielding and Program Management													
-Army Operations Center	A				854			943			945		
-European Command	A							2709			2400		
-Alternate Joint Command Center Site-R	A				1799			1877			1890		
Command and Control (C2) Infostructure Hardware, Software, and Fielding													
-European Command	A							551			338		
-US Forces Korea	A							845			1906		
-Southern Command	A							106			106		
Army Knowledge On-Line (AKO)	A				5385								
Legal Automation Army-Wide System (LAAWS)	A										1979		
Environmental Reporting Infostructure	A				335						594		

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 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Congressional FY02 plus up allocated to Strategic Logistics Program and MACOM Automation System	A							1902					
Total					11191			23294			37894		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Headquarters, Department of the Army Automated Data Processing Equipment (HQDA ADPE) HQDA Tracking System										
FY 2001	DTL Solutions Herndon, VA	C/FP	DSSW, Arlington, VA	MAR 01	APR 01			YES	NO	
FY 2002	TBS	C/FP	DSSW, Arlington, VA	VAR	VAR			YES	NO	
FY 2003	TBS	C/FP	DSSW, Arlington, VA	VAR	VAR			YES	NO	
Storage Area Network (SAN)										
FY 2001	Comteq Rockville, MD	C/FP	DSSW, Arlington, VA	MAY 01	MAY 01			YES	NO	
FY 2002	TBS	C/FP	DSSW, Arlington, VA	VAR	VAR			YES	NO	
FY 2003	TBS	C/FP	DSSW, Arlington, VA	VAR	VAR			YES	NO	
Concepts Analysis Agency Automated Data Processing Modernization										
FY 2001	AUSPEX Systems Inc. Santa Clara, CA	C/FP	DSSW, Arlington, VA	JAN 01	FEB 01			YES	NO	

REMARKS: All quantities and unit costs vary by configuration.
 12CONS/LGCB - Randolph AFB, TX
 AMC - Army Materiel Command; AMCOM - Army Aviation Missile Command; ASC - Army Signal Command; CCSA - USA Command & Control Support Agency, Pentagon; CECOM - Communications and Electronics Command; CAC-W - CECOM Acquisition Center-Washington; DLA - Defense Logistic Agency; DSSW - Defense Supply Service-Washington; GSA - General Services Administration; NAVICP - Navy Inventory Control Point; NV&ES - Night Vision & Electronic Sensors; SMC - Systems Management Center; STRICOM - Army Simulation, Training, and Instrumentation Command; USACCK - US Army Contracting Command, Korea; USASA - U.S. Army Signal Activity; VAR - Multiple contracts awarded/delivered throughout the year.

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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 2001	Federal Data Corp Bethesda, MD	C/FP	DSSW, Arlington, VA	FEB 01	MAR 01			YES	NO	
Army Model Improvement Program (AMIP)										
Hardware and Software										
FY 2001	Lockheed Martin Corp. Orlando, FL	C/FP	STRICOM, Orlando, FL	FEB 01	MAR 01			YES	NO	
FY 2001	Nichols Research Corp. Huntsville, AL	C/FP	AMCOM, Redstone Arsenal, AL	APR 01	MAY 01			YES	NO	
FY 2002	TBS	C/FP	DSSW, Arlington, VA	MAR 02	MAY 02			YES	NO	
FY 2003	TBS	C/FP	DSSW, Arlington, VA	MAR 03	MAY 03			YES	NO	
Housing Operations Management System (HOMES)										
Hardware and Software										
FY 2001	DELL Marketing LP Round Rock, TX	C/FP	MDW, Ft. Belvoir, VA	VAR	VAR			YES	NO	
FY 2001	Force 3 Crofton, MD	C/FP	MDW, Ft. Belvoir, VA	JUL 01	AUG 01			YES	NO	
FY 2001	OM Office Supply Inc. Mechanicsburg, PA	C/FP	MDW, Ft. Belvoir, VA	JUL 01	AUG 01			YES	NO	

REMARKS: All quantities and unit costs vary by configuration.
 12CONS/LGCB - Randolph AFB, TX
 AMC - Army Materiel Command; AMCOM - Army Aviation Missile Command; ASC - Army Signal Command; CCSA - USA Command & Control Support Agency, Pentagon; CECOM - Communications and Electronics Command; CAC-W - CECOM Acquisition Center-Washington; DLA - Defense Logistic Agency; DSSW - Defense Supply Service-Washington; GSA - General Services Administration; NAVICP - Navy Inventory Control Point; NV&ES - Night Vision & Electronic Sensors; SMC - Systems Management Center; STRICOM - Army Simulation, Training, and Instrumentation Command; USACCK - US Army Contracting Command, Korea; USASA - U.S. Army Signal Activity; VAR - Multiple contracts awarded/delivered throughout the year.

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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 2001	GTSI Chantilly, VA	C/FP	MDW, Ft. Belvoir, VA	JUL 01	AUG 01			YES	NO	
FY 2001	Advanced Business Concepts Springfield, VA	C/FP	MDW, Ft. Belvoir, VA	MAY 01	JUN 01			YES	NO	
FY 2001	PC Connection Federal Sales Merrimack, NH	C/FP	MDW, Ft. Belvoir, VA	MAY 01	SEP 01			YES	NO	
FY 2002	TBS	C/FP	GSA, Washington, DC	APR 02	MAY 02			YES	NO	
FY 2003	TBS	C/FP	GSA, Washington, DC	APR 03	MAY 03			YES	NO	
Pentagon Information Technology (IT)										
Infrastructure										
-Common IT (Renovation)										
FY 2002	TBS	C/FP	GSA, Washington, DC	VAR	VAR			YES	NO	
FY 2003	TBS	C/FP	GSA, Washington, DC	VAR	VAR			YES	NO	
-Other IT										
FY 2002	TBS	C/FP	DSSW, Arlington, VA	VAR	VAR			YES	NO	
FY 2003	TBS	C/FP	DSSW, Arlington, VA	VAR	VAR			YES	NO	

REMARKS: All quantities and unit costs vary by configuration.
 12CONS/LGCB - Randolph AFB, TX
 AMC - Army Materiel Command; AMCOM - Army Aviation Missile Command; ASC - Army Signal Command; CCSA - USA Command & Control Support Agency, Pentagon; CECOM - Communications and Electronics Command; CAC-W - CECOM Acquisition Center-Washington; DLA - Defense Logistic Agency; DSSW - Defense Supply Service-Washington; GSA - General Services Administration; NAVICP - Navy Inventory Control Point; NV&ES - Night Vision & Electronic Sensors; SMC - Systems Management Center; STRICOM - Army Simulation, Training, and Instrumentation Command; USACCK - US Army Contracting Command, Korea; USASA - U.S. Army Signal Activity; VAR - Multiple contracts awarded/delivered throughout the year.

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Command Center Infrastructure										
Hardware, Software, Fielding and Program Management										
-Army Operations Center										
FY 2001	Xerox Corporation Washington, DC	C/FP	DSSW, Arlington, VA	MAR 01	APR 01			YES	NO	
FY 2001	National Security Agency Ft. Meade, MD	MIPR	CCSA, Arlington, VA	APR 01	APR 01			YES	NO	
FY 2001	IGOV McLean, VA	C/FP	DSSW, Arlington, VA	VAR	VAR			YES	NO	
FY 2001	Comteq Federal McLean, VA	C/FP	DSSW, Arlington, VA	VAR	VAR			YES	NO	
FY 2001	GTSI Chantilly, VA	C/FP	DSSW, Arlington, VA	VAR	VAR			YES	NO	
FY 2001	Communications Supply Company Clarksville, MD	C/FP	DSSW, Arlington, VA	AUG 01	SEP 01			YES	NO	
FY 2002	TBS	C/FP	TBS	VAR	VAR			YES	NO	
FY 2003	TBS	C/FP	TBS	VAR	VAR			YES	NO	
-European Command										
FY 2002	Info Systems Engineering Cmd Ft. Huachuca, AZ	MIPR	CECOM, Ft Monmouth, NJ	VAR	VAR			YES	NO	
FY 2003	TBS	C/FP	TBS	VAR	VAR			YES	NO	

REMARKS: All quantities and unit costs vary by configuration.
 12CONS/LGCB - Randolph AFB, TX
 AMC - Army Materiel Command; AMCOM - Army Aviation Missile Command; ASC - Army Signal Command; CCSA - USA Command & Control Support Agency, Pentagon; CECOM - Communications and Electronics Command; CAC-W - CECOM Acquisition Center-Washington; DLA - Defense Logistic Agency; DSSW - Defense Supply Service-Washington; GSA - General Services Administration; NAVICP - Navy Inventory Control Point; NV&ES - Night Vision & Electronic Sensors; SMC - Systems Management Center; STRICOM - Army Simulation, Training, and Instrumentation Command; USACCK - US Army Contracting Command, Korea; USASA - U.S. Army Signal Activity; VAR - Multiple contracts awarded/delivered throughout the year.

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
-Alternate Joint Command Center Site-R										
FY 2001	CECOM-SMC Ft. Monmouth, NJ	MIPR	AMC, Alexandria, VA	DEC 00	DEC 00			YES	NO	
FY 2002	TBS	C/FP	TBS	VAR	VAR			YES	NO	
FY 2003	TBS	C/FP	TBS	VAR	VAR			YES	NO	
Command and Control (C2) Infostructure										
Hardware, Software, and Fielding										
-European Command										
FY 2002	Info Systems Engineering Cmd Ft. Huachuca, AZ	MIPR	European Command, Stuttgart, GE	VAR	VAR			YES	NO	
FY 2003	TBS	C/FP	TBS	VAR	VAR			YES	NO	
-US Forces Korea										
FY 2002	TBS	C/FP	USACCK, Korea	VAR	VAR			YES	NO	
FY 2003	TBS	C/FP	USACCK, Korea	VAR	VAR			YES	NO	
-Southern Command										
FY 2002	TBS	C/FP	ASC, Ft. Huachuca, AZ	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 2002

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 2003	TBS	C/FP	TBS	VAR	VAR			YES	NO	
Army Knowledge On-Line (AKO)										
FY 2001	FDC/SYLVEST Mgt Sys Corp Greenbelt, MD	C/FP	DSSW, Arlington, VA	JAN 01	MAR 01			YES	NO	
FY 2001	TRW Inc. Data Tech Division Carlson, CA	C/FP	Maxwell AFB, Gunter, AL	VAR	VAR			YES	NO	
FY 2001	Intelligent Decisions Chantilly, VA	C/FP	DLA, Ft. Belvoir, VA	SEP 01	SEP 01			YES	NO	
FY 2001	Logicon, Federal Data Corp. Greenbelt, MD	C/FP	DSSW, Arlington, VA	VAR	VAR			YES	NO	
FY 2001	GTSI Chantilly, VA	C/FP	DSSW, Arlington, VA	SEP 01	SEP 01			YES	NO	
FY 2001	TRACOR Enterprise Solutions Reston, VA	C/FP	NICP, Mechanicsburg, PA	VAR	VAR			YES	NO	
FY 2001	U.S. Army Signal Activity Ft. Belvoir, VA	MIPR	IMCEN, Arlington, VA	AUG 01	SEP 01			YES	NO	
FY 2001	GTSI Chantilly, VA	C/FP	12CONS/LGCB	VAR	VAR			YES	NO	
FY 2001	Fibertek Herndon, VA	C/FP	NV&ES, Ft. Belvoir, VA	AUG 01	SEP 01			YES	NO	
FY 2001	TELOS Ashburn, VA	C/FP	CAC-W, Alexandria, VA	SEP 01	OCT 01			YES	NO	
Legal Automation Army-Wide System										

REMARKS: All quantities and unit costs vary by configuration.
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Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
(LAAWS) FY 2003	TBS	C/FP	TBS	MAR 03	APR 03			YES	NO	
Environmental Reporting Infostructure FY 2001	McBride Enterprise Solutions Reston, VA	C/FP	NAVICP, Mechanicsburg, PA	JUL 01	SEP 01			YES	NO	
FY 2003	TBS	C/FP	TBS	JAN 03	FEB 03			YES	NO	

REMARKS: All quantities and unit costs vary by configuration.
 12CONS/LGCB - Randolph AFB, TX
 AMC - Army Materiel Command; AMCOM - Army Aviation Missile Command; ASC - Army Signal Command; CCSA - USA Command & Control Support Agency, Pentagon; CECOM - Communications and Electronics Command; CAC-W - CECOM Acquisition Center-Washington; DLA - Defense Logistic Agency; DSSW - Defense Supply Service-Washington; GSA - General Services Administration; NAVICP - Navy Inventory Control Point; NV&ES - Night Vision & Electronic Sensors; SMC - Systems Management Center; STRICOM - Army Simulation, Training, and Instrumentation Command; USACCK - US Army Contracting Command, Korea; USASA - U.S. Army Signal Activity; VAR - Multiple contracts awarded/delivered throughout the year.

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	171.2	32.9	45.3	41.4	47.3	39.8	60.3	34.1	39.2	38.1		549.5
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)	171.2	32.9	45.3	41.4	47.3	39.8	60.3	34.1	39.2	38.1		549.5
Initial Spares												
Total Proc Cost	171.2	32.9	45.3	41.4	47.3	39.8	60.3	34.1	39.2	38.1		549.5
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 Enterprise Architecture (AEA). 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 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).

TRADOC Institutional Army Tactical Command and Control System (ATCCS) Training Base 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. FY03 funds will be used to procure and consolidate MACOM, installation, and regional servers (e-mail, web, print, file, etc.) and to procure and install 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.

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.

Exhibit P-40C, Budget Item Justification Sheet

Date:

February 2002

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:

Presently the ISMs are operational throughout the Continental U.S. (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 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. FY03 procures data and web servers.

ARMY ENTERPRISE ARCHITECTURE (AEA): The AEA 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 AEA also supports business process improvements and leverages information resources. AEA 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. AEA 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 Second Digitized Division, Army Forces, Early Entry Command Post, First Cavalry, Initial Brigade Combat Teams, First Digitized Corp, Interim Division, First Digitized Armored Cavalry Regiment, 82nd Airborne, XVIII Airborne Corp. Objective products also include functional 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 AEA 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 03 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 (weapons, C4I, and sustainment systems) to the DOD Common Operating Environment and 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, including supporting the transition to next generation database technologies expected to begin in FY 03. Funds will also expand the AEA infrastructure to substantially improve the Army's ability to produce and share dynamic models based on doctrinally developed static representations of information exchange requirements which will be key to supporting Army compliance with Joint Instructions.

ARMY TRANSFORMATION EXPERIMENTATION CAMPAIGN PLAN (ATECP): This program provides for the examination of warfighting concepts across the Army's domains of Doctrine, Training, Leader development, Organization, Materiel, and Soldiers (DTLOMS) through constructive, virtual, and live training events. The ATECP supports the Army Transformation Campaign, joint experimentation, and modernization/recapitalization. These experimental insights into the DTLOMS domains provide the linkages and cross-development analysis necessary for supporting Objective Force development across all DTLOMS in a Joint context as outlined in the Transformation Campaign Plan. To accomplish this, funding must be provided for enhanced, Joint interoperable C4ISR (Command, Control, Communications, Computer, Intelligence, Surveillance and Reconnaissance) systems for integration into major Army and Joint experiments to achieve experimental objectives that provide insights to Objective Force development and Army systems that are Joint-interoperable.

Exhibit P-40C, Budget Item Justification Sheet

Date:

February 2002

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:

FY 03 procures hardware and software to support modeling, simulation, and analysis for the Objective Force Headquarters–Experimental or other temporary Experimental Force (EXFOR) conducting Army Transformation Experiment 2003 (ATEX 03) to gain insights on the Objective Force Unit of Action in preparation for Army participation in Joint Experiment Olympic Challenge 2004 (OC04).

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. FY03 funds procure cardstock for producing Common Access Cards for Army personnel.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: MACOM AUTOMATION SYSTEMS (BE4162)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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 Materiel Command (AMC)	A				3896								
. Army Signal Command (ASC)	A				910								
. Army War College (AWC)	A				254								
. Criminal Investigation Command (CIDC)	A				301								
. Eighth U.S. Army (EUSA)	A				804								
. Forces Command (FORSCOM)	A				4974								
. Intelligence and Security Command	A				240								
. Medical Command (MEDCOM)	A				392								
. Military District of Washington (MDW)	A				195								
. Training and Doctrine Command (TRADOC)	A				7507								
. U.S. Army Europe (USAREUR)	A				785								
. U.S. Army Pacific (USARPAC)	A				545								
. U.S. Army Recruiting Command (USAREC)	A				2087								
. Army-wide	A							24227			28186		
SUBTOTAL					22890			24227			28186		
. . .													

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: MACOM AUTOMATION SYSTEMS (BE4162)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
. Installation Support Modules (ISM)	A										278		
. Army Enterprise Architecture (AEA)	A				2185			2742			2359		
. Joint Warrior Interoperability Demonstration (JWID)	A				1763			1206					
. Army Transformation Experimentation Campaign Plan (ATECP)	A				7276			3385			4946		
. TRADOC Institutional Army Tactical Command and Control System Training Base	A				3302			4979					
. Smart Card/Common Access Card (CAC)	A							6470			3985		
. Africa Center for Strategic Studies (ACSS)	A							396					
. National Guard Bureau (NGB)	A				4000			3859					
Total					41416			47264			39754		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Major Army Command (MACOM) Infostructure/Automation Systems (Servers, Local Area Networks, Video Teleconference Centers, Software, MACOM Unique Systems) .										
Army Materiel Command (AMC)										
FY 2001	AMCOM Redstone Arsenal, AL	MIPR	AMC, Alexandria, VA	JAN 01	FEB 01			YES	NO	
FY 2001	TACOM Warren, MI	MIPR	AMC, Alexandria, VA	JAN 01	MAR 01			YES	NO	
FY 2001	Solutions Engineering Bethesda, MD	C/FP	CECOM, Ft. Monmouth, NJ	FEB 01	MAR 01			YES	NO	
FY 2001	U.S. Army R,D&A Info Agency Radford, VA	MIPR	AMC, Alexandria, VA	JAN 01	FEB 01			YES	NO	
FY 2001	Sunrise Marketing Company Grand Rapids, MI	C/FP	Redstone Arsenal, AL	APR 01	MAY 01			YES	NO	
FY 2001	GTSI Corporation Baltimore, MD	C/FP	Redstone Arsenal, AL	JUN 01	AUG 01			YES	NO	
FY 2001	CDW Government Inc. Vernon Hills, IL	C/FP	Redstone Arsenal, AL	MAR 01	MAR 01			YES	NO	
FY 2001	GTSI Corp. Chantilly, VA	C/FP	Redstone Arsenal, AL	JUN 01	AUG 01			YES	NO	

REMARKS: All quantities and unit costs vary by configuration; AACC - Army Atlanta Contracting Center; AMC - Army Materiel Command; AMCOM - US Army Aviation and Missile Command; ASC - Army Signal Command; C3S - Command, Control, and Communications Systems; CECOM - US Army Communications-Electronics Command; CAC-W - US Army CECOM Acquisition Center-Washington; DOD TASA - Department of Defense Television-Audio Support Activity; DOC - Directorate of Contracting; GSA - General Services Administration; FEDSIM - Federal Systems Integration Management; ISEC - Information Systems Engineering Command; NAWC - Naval Air Warfare Center; NTCAC - National Training Center Acquisition Command; PM GPS - Program Manager, Global Positioning System; RCO - Regional Contracting Office; TACOM - Tank and Automotive Command; TAC - TRADOC Acquisition Center; TRADOC - US Army Training and Doctrine Command; USAMRAA - US Army Medical Research Acquisition Activity; USA STRICOM - US Army Simulation, Training and Instrumentation Command; USNETA - US Army Networks, Engineering and Telecommunications Activity; VAR - Multiple contracts/MIPRs awarded/delivered thru out the year.

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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 2001	DELL Marketing LP Round Rock, TX	C/FP	Redstone Arsenal, AL	JUN 01	JUN 01			YES	NO	
FY 2001	AMAX Freemont, CA	C/FP	Redstone Arsenal, AL	JUN 01	AUG 01			YES	NO	
FY 2001	DMI Myrtle Beach, CA	C/FP	Redstone Arsenal, AL	JUN 01	JUL 01			YES	NO	
Army Signal Command (ASC)										
FY 2001	UNISYS, Corp. Hanover, MD	OPT	RCO, Wiesbaden, Germany	NOV 00	MAR 01			YES	NO	
FY 2001	Codem Systems, Inc. Merrimack, NH	C/FP	CECOM, Ft. Huachuca, AZ	JAN 01	APR 01			YES	NO	
FY 2001	Joint Interoperability Test Ct Ft. Huachuca, AZ	MIPR	Ft. Huachuca, AZ	DEC 00	APR 01			YES	NO	
FY 2001	National Data Mux Chatsworth, CA	C/FP	CECOM, Ft. Huachuca, AZ	JUL 01	AUG 01			YES	NO	
FY 2001	Network Appliance, Inc. Irvine, CA	C/FP	CECOM, Ft. Huachuca, AZ	MAY 01	JUN 01			YES	NO	
FY 2001	World Wide Technology Maryland Heights, MO	C/FP	CECOM, Ft. Huachuca, AZ	MAY 01	JUN 01			YES	NO	
FY 2001	DLT Solutions, Inc. Herndon, VA	C/FP	CECOM, Ft. Huachuca, AZ	JUN 01	JUL 01			YES	NO	
FY 2001	Susquehanna Wire Corp. New Cumberland, PA	C/FP	CECOM, Ft. Huachuca, AZ	JAN 01	VAR			YES	NO	
FY 2001	Dartnell Enterprises, Inc. East Rochester, NY	C/FP	CECOM, Ft. Huachuca, AZ	FEB 01	FEB 01			YES	NO	

REMARKS: All quantities and unit costs vary by configuration; AACC - Army Atlanta Contracting Center; AMC - Army Materiel Command; AMCOM - US Army Aviation and Missile Command; ASC - Army Signal Command; C3S - Command, Control, and Communications Systems; CECOM - US Army Communications-Electronics Command; CAC-W - US Army CECOM Acquisition Center-Washington; DOD TASA - Department of Defense Television-Audio Support Activity; DOC - Directorate of Contracting; GSA - General Services Administration; FEDSIM - Federal Systems Integration Management; ISEC - Information Systems Engineering Command; NAWC - Naval Air Warfare Center; NTCAC - National Training Center Acquisition Command; PM GPS - Program Manager, Global Positioning System; RCO - Regional Contracting Office; TACOM - Tank and Automotive Command; TAC - TRADOC Acquisition Center; TRADOC - US Army Training and Doctrine Command; USAMRAA - US Army Medical Research Acquisition Activity; USA STRICOM - US Army Simulation, Training and Instrumentation Command; USNETA - US Army Networks, Engineering and Telecommunications Activity; VAR - Multiple contracts/MIPRs awarded/delivered thru out the year.

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Army War College (AWC)										
FY 2001	DELL Marketing LP Round Rock, TX	C/FP	GSA, Ft. Monmouth, NJ	VAR	VAR			YES	NO	
FY 2001	FCN Rockville, MD	C/FP	GSA, Ft. Monmouth, NJ	VAR	VAR			YES	NO	
Criminal Investigation Command (CIDC)										
FY 2001	GTSI Corp. Chantilly, VA	C/FP	GSA-FEDSIM, Falls Church, VA	APR 01	APR 01			YES	NO	
Eighth U.S. Army (EUSA)										
FY 2001	Universal Technical Services Newport News, VA	C/FP	USA Contracting Cmd, Korea	JUN 01	AUG 01			YES	NO	
FY 2001	Logicon Greenbelt, MD	C/FP	USA Contracting Cmd, Korea	SEP 01	NOV 01			YES	NO	
FY 2001	IS3 Corporation Taegu, Korea	C/FP	USA Contracting Cmd, Korea	AUG 01	OCT 01			YES	NO	
FY 2001	Federal Data Corporation Renton, WA	C/FP	USA Contracting Cmd, Korea	JUL 01	SEP 01			YES	NO	
FY 2001	Int Computer & Telecom, Inc. Gaithersburg, MD	C/FP	USA Contracting Cmd, Korea	MAY 01	JUL 01			YES	NO	
FY 2001	Universal Tech Resource Svcs Newport News, VA	C/FP	USA Contracting Cmd, Korea	MAY 01	JUL 01			YES	NO	

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Exhibit P-5a, Budget Procurement History and Planning

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Forces Command (FORSCOM)										
FY 2001	General Dynamics,Inc. Needham, MA	C/FP	CECOM, Ft. Monmouth, NJ	APR 01	SEP 01			YES	NO	
FY 2001	SMF Sys Tech Corp. San Ramon, CA	C/FP	CECOM, Ft. Monmouth, NJ	APR 01	APR 01			YES	NO	
FY 2001	Tyco Electronics Inc. Harrisburg, PA	C/FP	GSA-Atlanta, GA	MAR 01	AUG 01			YES	N	
FY 2001	General Dynamics,Inc. Needham, MA	C/FP	CECOM, Ft. Monmouth, NJ	MAY 01	JUN 01			YES	NO	
FY 2001	EWA Svc Inc. Herndon, VA	C/FP	DOC,Ft Hood, TX	MAY 01	JUN 01			YES	NO	
FY 2001	General Dynamics Sys, Inc. Oklahoma City, OK	C/FP	DOC, Ft. Riley, KS	MAY 01	JUN 01			YES	NO	
FY 2001	Block Box, Inc. Lawrence, PA	C/FP	DOC, Ft. Riley, KS	MAY 01	JUL 01			YES	NO	
FY 2001	Federal Data Corp. Greenbelt, MD	C/FP	AACC, Ft. McPherson, GA	MAR 01	MAR 01			YES	NO	
FY 2001	Columbine Cable Co. Wheatridge, CO	C/FP	GSA-Denver, CO	JUN 01	JUL 01			YES	NO	
FY 2001	GTSI Corp. Chantilly, VA	C/FP	NTCAC, Ft Irwin, CA	AUG 01	NOV 01			YES	NO	
FY 2001	OAO Corp. Greenbelt, MD	C/FP	GSA-Kansas City, MO	FEB 01	AUG 01			YES	NO	
FY 2001	Applied Global Tech Rockledge, FL	C/FP	GSA-Atlanta, GA	MAY 01	JUN 01			YES	NO	
FY 2001	M/A-Com Private Radio Sys,Inc. Lynchburg, VA	C/FP	DOC, Ft. Polk, LA	JUL 01	NOV 01			YES	NO	
FY 2001	Commercial Data Systems Honolulu, HI	C/FP	GSA-Oakland,CA	MAY 01	JUN 01			YES	NO	

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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 2001	Federal Data Corp. Greenbelt, MD	C/FP	AACC, Ft. McPherson, GA	MAY 01	JUN 01			YES	NO	
FY 2001	CDW Government Inc. Vernon Hills, IL	C/FP	AACC, Ft. McPherson, GA	JUN 01	JUN 01			YES	NO	
FY 2001	DLT Solutions, Inc. Herndon, VA	C/FP	AACC, Ft. McPherson, GA	MAY 01	JUN 01			YES	NO	
FY 2001	GTSI Corp. Chantilly, VA	C/FP	DOC Ft Bragg, NC	MAY 01	JUL 01			YES	NO	
FY 2001	Federal Data Corporation Bethesda, MD	C/FP	GSA-Bremerton, WA	VAR	VAR			YES	NO	
Intelligence and Security Command										
FY 2001	DELL Marketing LP Round Rock, TX	C/FP	GSA, Kansas City, MO	VAR	VAR			YES	NO	
Medical Command (MEDCOM)										
FY 2001	COMPAQ Computer Corporation Houston, TX	C/FP	USAMRAA, Ft. Detrick, MD	MAR 01	MAR 01			YES	NO	
FY 2001	DELL Marketing LP Round Rock, TX	C/FP	USAMRAA, Ft. Detrick, MD	APR 01	APR 01			YES	NO	
FY 2001	DELL Marketing LP Round Rock, TX	C/FP	USAMRAA, Ft. Detrick, MD	MAY 01	JUN 01			YES	NO	
FY 2001	9 to 5 Computer Supply Jacksonville Beach, FL	C/FP	USAMRAA, Ft. Detrick, MD	MAR 01	APR 01			YES	NO	
FY 2002	TBS	C/FP	USAMRAA, Ft. Detrick, MD	VAR	VAR			YES	NO	

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Military District of Washington (MDW)										
FY 2001	A & T Systems Silver Spring, MD	C/FP	DOC, Ft. Belvoir, VA	MAY 01	MAY 01			YES	NO	
FY 2001	General Dynamics, Inc. Needham, MA	C/FP	DOC, Ft. Belvoir, VA	VAR	VAR			YES	NO	
FY 2001	Gateway Companies Inc. N. Sioux City, ND	C/FP	DOC, Ft. Belvoir, VA	MAY 01	MAY 01			YES	NO	
FY 2001	COMSEC Logistic Support Agency Ft. Haachuca, AZ	C/FP	DOC, Ft. Belvoir, VA	APR 01	JUL 01			YES	NO	
FY 2001	COMTEQ Federal Rockville, MD	C/FP	DOC, Ft. Belvoir, VA	MAY 01	MAY 01			YES	NO	
FY 2001	GTSI Corp. Chantilly, VA	C/FP	DOC, Ft. Belvoir, VA	MAY 01	JUL 01			YES	NO	
FY 2001	CISCO Works Performance System Chantilly, VA	C/FP	DOC, Ft. Belvoir, VA	MAY 01	JUL 01			YES	NO	
FY 2001	Sun Microsystems Palo Alto, CA	C/FP	DOC, Ft. Belvoir, VA	JUN 01	JUL 01			YES	NO	
Training and Doctrine Command (TRADOC)										
FY 2001	PM GPS Ft. Monmouth, NJ	MIPR	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES	NO	
FY 2001	General Dynamics, Inc. Needham, MA	C/FP	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES	NO	
FY 2001	COMPAQ Federal LLC Greenbelt, MD	C/FP	CECOM, Ft. Monmouth, NJ	MAY 01	JUN 01			YES	NO	

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FY 2001	UNISYS, Corp. Hanover, MD	C/FP	DOC, Ft. Gordon, GA	MAY 01	JUN 01			YES	NO	
FY 2001	DELL Austin, TX	C/FP	TAC, Ft. Eustis, VA	MAY 01	MAY 01			YES	NO	
FY 2001	COMTEQ Federal Rockville, MD	C/FP	TAC, Ft. Eustis, VA	MAY 01	JUN 01			YES	NO	
FY 2001	UNISYS, Corp. Hanover, MD	C/FP	TAC, Ft. Eustis, VA	MAY 01	JUN 01			YES	NO	
FY 2001	DELL Marketing LP Round Rock, TX	C/FP	DOC, Ft. Rucker, AL	MAY 01	JUN 01			YES	NO	
FY 2001	AYAYA, Inc Washington, DC	C/FP	DOC, Ft. Rucker, AL	MAY 01	JUN 01			YES	NO	
FY 2001	Wyandotte, Net Wyandotte, OK	C/FP	DOC, Ft. Knox, KY	MAY 01	JUN 01			YES	NO	
FY 2001	Lucent Technologies McLeansville, NC	C/FP	TAC, Ft. Eustis, VA	MAY 01	JUN 01			YES	NO	
FY 2001	USANETA Ft. Huachuca, AZ	MIPR	ASC, Ft. Huachuca, AZ	AUG 01	SEP 01			YES	NO	
FY 2001	ISEC Ft. Huachuca, AZ	MIPR	ISEC, Ft. Huachuca, AZ	JUL 01	SEP 01			YES	NO	
FY 2001	Wyandotte, Net Wyandotte, OK	C/FP	DOC, Ft. Knox, KY	JUN 01	AUG 01			YES	NO	
FY 2001	SBC Datacom Sterling, VA	C/FP	DOC, Ft. Leavenworth, KS	JUN 01	JUL 01			YES	NO	
FY 2001	Lucent Technologies McLeansville, NC	C/FP	DOC, Ft. Jackson, SC	APR 01	MAY 01			YES	NO	
FY 2001	Data Network Solutions Chapin, SC	C/FP	DOC, Ft. Jackson, SC	JUL 01	SEP 01			YES	NO	
FY 2001	Hammett Electric Corp Augusta, GA	C/FP	DOC, Ft. Gordon, GA	JUN 01	JUL 01			YES	NO	

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FY 2001	Federal Network Systems Redmond, VA	C/FP	DOC, Ft. Gordon, GA	JUN 01	JUL 01			YES	NO	
FY 2001	UNISYS, Corp. Hanover, MD	C/FP	DOC, Ft. Gordon, GA	JUN 01	JUL 01			YES	NO	
FY 2001	DELL Marketing LP Round Rock, TX	C/FP	DOC, Ft. Jackson, SC	AUG 01	SEP 01			YES	NO	
FY 2001	T.A. Baker Associates Chapel Hill, NC	C/FP	DOC, Ft. Jackson, SC	JUL 01	JUL 01			YES	NO	
FY 2001	Microwarehouse South Norwalk, CT	C/FP	DOC, Ft. Jackson, SC	JUL 01	JUL 01			YES	NO	
FY 2001	Planet Gov Inc. Chantilly, VA	C/FP	DOC, Ft. Jackson, SC	JUL 01	JUL 01			YES	NO	
FY 2001	Comsel Corp Vienna, VA	C/FP	DOC, Ft. Jackson, SC	JUL 01	JUL 01			YES	NO	
FY 2001	DELL Marketing LP Round Rock, TX	C/FP	DOC, Ft. Jackson, SC	JUL 01	JUL 01			YES	NO	
FY 2001	Landseas Systems, Inc. Virginia Beach, VA	C/FP	DOC, Ft. Jackson, SC	JUL 01	JUL 01			YES	NO	
FY 2001	PM GOS Ft. Monmouth, NJ	MIPR	CECOM, Ft. Monmouth, NJ	AUG 01	SEP 01			YES	NO	
FY 2001	ITT Aerospace Ft. Wayne, IN	C/FP	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES	NO	
FY 2001	Megabyte International Corp Tampa, FL	C/FP	DOC, Ft. Gordon, GA	VAR	VAR			YES	NO	
FY 2001	Gateway Companies Inc. N. Sioux City, ND	C/FP	DOC, Ft. Gordon, GA	JUL 01	SEP 01			YES	NO	
FY 2001	Custom Fit Inc. Chantilly, VA	C/FP	DOC, Ft. Gordon, GA	JUL 01	SEP 01			YES	NO	
FY 2001	Micron Government Computer Sys Meridian, ID	C/FP	DOC, Ft. Gordon, GA	VAR	VAR			YES	NO	

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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
FY 2001	GTSI Corp. Chantilly, VA	C/FP	DOC, Ft. Gordon, GA	JUN 01	JUL 01			YES	NO	
FY 2001	MA Federal Inc. McLean, VA	C/FP	DOC, Ft. Gordon, GA	JUN 01	JUL 01			YES	NO	
FY 2001	Norseman Inc. Baltimore, MD	C/FP	DOC, Ft. Gordon, GA	JUN 01	JUL 01			YES	NO	
FY 2001	Dimensional Marketing Inc. Myrtle Beach, SC	C/FP	DOC, Ft. Gordon, GA	JUN 01	JUL 01			YES	NO	
FY 2001	Gates/Arrow Dist Greenville, NC	C/FP	DOC, Ft. Gordon, GA	JUN 01	JUL 01			YES	NO	
FY 2001	SDF Professional computer Inc. Greenville, NC	C/FP	DOC, Ft. Gordon, GA	JUN 01	JUL 01			YES	NO	
FY 2001	Electro Distribution Inc. Garden Grove, CA	C/FP	DOC, Ft. Gordon, GA	JUN 01	JUL 01			YES	NO	
FY 2001	Spread Information Sciences Long Island City, NY	C/FP	DOC, Ft. Gordon, GA	JUN 01	JUL 01			YES	NO	
FY 2001	Romtec Inc. Santa Fe Springs, CA	C/FP	DOC, Ft. Gordon, GA	JUN 01	JUL 01			YES	NO	
FY 2002	Force 3, Inc. Crofton, MD	C/FP	DOC, Ft. Gordon, GA	SEP 01	OCT 01			YES	NO	
FY 2003	Lucent Technologies McLeansville, NC	C/FP	TAC, Ft. Eustis, VA	NOV 01	DEC 01			YES	NO	
U.S. Army Europe (USAREUR)										
FY 2001	ACS Defense, Inc. Alexandria, VA	C/FP	GSA, Boston, MA	FEB 01	APR 01			YES	NO	
FY 2001	Marconi Communications Federal San Diego, CA	C/FP	GSA, Kansas City, MO	VAR	VAR			YES	NO	

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FY 2001	GTSI Corp. Chantilly, VA	C/FP	5th Signal Cmd, Mannheim, GE	VAR	VAR			YES	NO	
FY 2001	DELL Marketing LP Round Rock, TX	C/FP	5th Signal Cmd, Mannheim, GE	MAR 01	APR 01			YES	NO	
U.S. Army Pacific (USARPAC)										
FY 2001	COE/Honolulu Engineer District Honolulu, HI	MIPR	U.S. Army Pacific	VAR	VAR			YES	NO	
FY 2001	SMF Sys Tech Corp. San Ramon, CA	C/FP	GSA, Oakland, CA	VAR	JUL 01			YES	NO	
FY 2001	Jerrett Technology Solutions Kailua, HI	C/FP	DOC, Ft. Shafter, HI	JUN 01	JUN 01			YES	NO	
U.S. Army Recruiting Command (USAREC)										
FY 2001	COMPAQ Computer Corporation Houston, TX	C/FP	DOC, Ft. Knox, KY	MAY 01	JUL 01			YES	NO	
FY 2001	Sun Microsystems Palo Alto, CA	C/FP	GSA, Huntsville, AL	JUN 01	JUL 01			YES	NO	
FY 2001	Accord Atlanta, GA	C/FP	GSA, Huntsville, AL	AUG 01	SEP 01			YES	NO	
FY 2001	BRIO Santa Clara, CA	C/FP	GSA, Huntsville, AL	MAR 01	MAY 01			YES	NO	
FY 2001	Teleran Kittyhawk, NC	C/PM	GSA, Huntsville, AL	MAR 01	MAY 01			YES	NO	

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Army-wide										
FY 2002	TBS	C/FP	TBS	VAR	VAR			YES	NO	
FY 2003	TBS	C/FP	TBS	VAR	VAR			YES	NO	
.										
Installation Support Modules (ISM)										
FY 2003	TBS	C/FP	TBS	VAR	VAR			YES	NO	
.										
Army Enterprise Architecture (AEA)										
FY 2001	Atlantic Consulting Services Shrewsbury, NJ	C/FP	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES	NO	
FY 2001	Systems Research Corp. W. Long Branch, NJ	C/FP	GSA, Ft. Monmouth, NJ	VAR	VAR			YES	NO	
FY 2001	ViaTech Eatontown, NJ	C/FP	GSA, Ft. Monmouth, NJ	VAR	VAR			YES	NO	
FY 2001	CSC Falls Church, VA	C/FP	TAC, Ft. Eustis, VA	FEB 01	FEB 01			YES	NO	
FY 2001	SYTEX Doylestown, PA	C/FP	TAC, Ft. Eustis, VA	APR 01	APR 01			YES	NO	
FY 2001	EER Chantilly, VA	C/FP	TAC, Ft. Eustis, VA	SEP 01	SEP 01			YES	NO	
FY 2002	TBS	C/FP	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES	NO	

REMARKS: All quantities and unit costs vary by configuration; AACC - Army Atlanta Contracting Center; AMC - Army Materiel Command; AMCOM - US Army Aviation and Missile Command; ASC - Army Signal Command; C3S - Command, Control, and Communications Systems; CECOM - US Army Communications-Electronics Command; CAC-W - US Army CECOM Acquisition Center-Washington; DOD TASA - Department of Defense Television-Audio Support Activity; DOC - Directorate of Contracting; GSA - General Services Administration; FEDSIM - Federal Systems Integration Management; ISEC - Information Systems Engineering Command; NAWC - Naval Air Warfare Center; NTCAC - National Training Center Acquisition Command; PM GPS - Program Manager, Global Positioning System; RCO - Regional Contracting Office; TACOM - Tank and Automotive Command; TAC - TRADOC Acquisition Center; TRADOC - US Army Training and Doctrine Command; USAMRAA - US Army Medical Research Acquisition Activity; USA STRICOM - US Army Simulation, Training and Instrumentation Command; USNETA - US Army Networks, Engineering and Telecommunications Activity; VAR - Multiple contracts/MIPRs awarded/delivered thru out the year.

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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 2003 Joint Warrior Interoperability Demonstration (JWID)	TBS	C/FP	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES	NO	
FY 2001	BMC Software Bethesda, MD	C/FP	GSA, Philadelphia, PA	VAR	VAR			YES	NO	
FY 2001	Raytheon E-Systems, Inc. Boston, MA	C/FP	GSA, Philadelphia, PA	VAR	VAR			YES	NO	
FY 2002	TBS	C/FP	TBS	VAR	VAR			YES	NO	
Army Transformation Experimentation Campaign Plan (ATECP)										
FY 2001	TRW, Inc. Richmond, VA	C/FP	TAC, Ft. Eustis, VA	JUL 01	JUL 01			YES	NO	
FY 2001	USASTRICOM Orlando, FL	MIPR	TAC, Ft. Eustis, VA	MAR 01	MAY 01			YES	NO	
FY 2001	Pinnacle Communications Dayton, OH	C/FP	TAC, Ft Leavenworth, KS	MAY 01	JUN 01			YES	NO	
FY 2001	PEO C3S Ft. Monmouth, NJ	MIPR	TAC, Ft. Eustis, VA	VAR	VAR			YES	NO	
FY 2001	Advanced Systems Technology Lawton, OK	C/FP	NAWC, Orlando, FL	JUL 01	JUL 01			YES	NO	

REMARKS: All quantities and unit costs vary by configuration; AACC - Army Atlanta Contracting Center; AMC - Army Materiel Command; AMCOM - US Army Aviation and Missile Command; ASC - Army Signal Command; C3S - Command, Control, and Communications Systems; CECOM - US Army Communications-Electronics Command; CAC-W - US Army CECOM Acquisition Center-Washington; DOD TASA - Department of Defense Television-Audio Support Activity; DOC - Directorate of Contracting; GSA - General Services Administration; FEDSIM - Federal Systems Integration Management; ISEC - Information Systems Engineering Command; NAWC - Naval Air Warfare Center; NTCAC - National Training Center Acquisition Command; PM GPS - Program Manager, Global Positioning System; RCO - Regional Contracting Office; TACOM - Tank and Automotive Command; TAC - TRADOC Acquisition Center; TRADOC - US Army Training and Doctrine Command; USAMRAA - US Army Medical Research Acquisition Activity; USA STRICOM - US Army Simulation, Training and Instrumentation Command; USNETA - US Army Networks, Engineering and Telecommunications Activity; VAR - Multiple contracts/MIPRs awarded/delivered thru out the year.

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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 2001	TRW, Inc.	C/FP	TAC, Ft. Eustis, VA	JUL 01	AUG 01			YES	NO	
FY 2001	Albuquerque, NM	C/FP	NAWC, Orlando, FL	JUN 01	JUL 01			YES	NO	
FY 2001	Lockheed Martin Corp Orlando, FL	C/FP	CAC-W, Alexandria, VA	SEP 01	OCT 01			YES	NO	
FY 2001	MTISC Chantilly, VA	C/FP	CAC-W, Alexandria, VA	AUG 01	SEP 01			YES	NO	
FY 2001	TASC, Inc Reading, MA	C/FP	CECOM, Ft. Monmouth, NJ	SEP 01	OCT 01			YES	NO	
FY 2001	TRW, Inc. Carson, CA	C/FP	CECOM, Ft. Monmouth, NJ	SEP 01	OCT 01			YES	NO	
FY 2001	ITT Aerospace Ft. Wayne, IN	C/FP	TBS	VAR	VAR			YES	NO	
FY 2002	TBS	C/FP	TBS	VAR	VAR			YES	NO	
FY 2003	TBS	C/FP	TBS	VAR	VAR			YES	NO	
TRADOC Institutional Army Tactical Command and Control System Training Base										
FY 2001	General Dynamics Taunton, MA	C/FP	CECOM, Ft. Monmouth, NJ	VAR	JUN 01			YES	NO	
FY 2002	TBS	C/FP	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES	NO	

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Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Smart Card/Common Access Card (CAC)										
FY 2002	TBS	C/FP	GSA, Washington, DC	VAR	VAR			YES	NO	
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	
Africa Center for Strategic Studies (ACSS)										
FY 2002	TBS	C/FP	DOD TASA, McClellan, CA	VAR	VAR			YES	NO	
National Guard Bureau (NGB)										

REMARKS: All quantities and unit costs vary by configuration; AACC - Army Atlanta Contracting Center; AMC - Army Materiel Command; AMCOM - US Army Aviation and Missile Command; ASC - Army Signal Command; C3S - Command, Control, and Communications Systems; CECOM - US Army Communications-Electronics Command; CAC-W - US Army CECOM Acquisition Center-Washington; DOD TASA - Department of Defense Television-Audio Support Activity; DOC - Directorate of Contracting; GSA - General Services Administration; FEDSIM - Federal Systems Integration Management; ISEC - Information Systems Engineering Command; NAWC - Naval Air Warfare Center; NTCAC - National Training Center Acquisition Command; PM GPS - Program Manager, Global Positioning System; RCO - Regional Contracting Office; TACOM - Tank and Automotive Command; TAC - TRADOC Acquisition Center; TRADOC - US Army Training and Doctrine Command; USAMRAA - US Army Medical Research Acquisition Activity; USA STRICOM - US Army Simulation, Training and Instrumentation Command; USNETA - US Army Networks, Engineering and Telecommunications Activity; VAR - Multiple contracts/MIPRs awarded/delivered thru out the year.

Exhibit P-40, Budget Item Justification Sheet

Date: February 2002

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

P-1 Item Nomenclature
PERSONNEL AUTOMATION SYSTEMS (BE4164)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	227.7	20.9	25.9	34.0	30.7	44.3	36.0	28.9	33.5	38.5		520.4
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)	227.7	20.9	25.9	34.0	30.7	44.3	36.0	28.9	33.5	38.5		520.4
Initial Spares												
Total Proc Cost	227.7	20.9	25.9	34.0	30.7	44.3	36.0	28.9	33.5	38.5		520.4
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 Enterprise Architecture (AEA) 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), 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. FY03 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 shared by the Selective Service System (SSS) and USMEPCOM. The JCC mission includes the management of shared resources, in full support of USMEPCOM and SSS peacetime and mobilization mission requirements. FY03 procures current technology, mainframe, and uninterruptible power system. Acquisitions support mission requirements and comply with the principles of life cycle management.

US MILITARY ENTRANCE PROCESSING COMMAND INTEGRATION 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 2002

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. FY03 procures servers, printers, scanners, bar code readers, personal computers, and network equipment for continuing life cycle replacement 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. FY03 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.

MODERNIZED DEFENSE CIVILIAN PERSONNEL DATA SYSTEM (MDCPDS): Army MDCPDS effort supports the standardization of business processes in the civilian personnel functional area and regionalization of civilian personnel offices. MDCPDS procures automation infrastructure to support fielding of this DOD-wide system to Army activities receiving the MDCPDS 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 MDCPDS 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 MDCPDS infrastructure acquisition concluded in FY99. Infrastructure will be replaced based on a five-year life cycle. FY03 funds will be used to replace NT servers, personal computers, printers, and hubs purchased in 1996 for the North Central, South Central and West Regions. The new systems will come with a five-year warranty. Life cycle replacement has been completed for the National Capital Region, Southeast, Northeast, and Southwest Regions. 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.

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.

Exhibit P-40C, Budget Item Justification Sheet

Date:

February 2002

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:

FY03 funds procure equipment and software to support movement of the Guidance Counselor capabilities down to our experienced cadre recruiters. This also supports implementation of the electronic enlistment packet, with necessary electronic signature support equipment, and electronic records management software and hardware systems. It adds 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-CORPORATE DATABASE. This personnel transformation initiative will create a value-based personnel environment that provides world-class personnel support to the Army. People, transformation, and readiness will be integrated together. This new concept of Personnel and Human Resources support will operate in a knowledge-based organization and provide access to personnel information essential to the commander's decision-making processes that ensures force readiness, it will provide for an Army Corporate Database integrated with web-enabled/web-based personnel applications and systems. FY03 funds procure data servers, web servers, communications equipment, software licensing, storage upgrades, card readers, and other network components required for implementation of the Army Corporate Database in support of the Personnel Transformation.

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: PERSONNEL AUTOMATION SYSTEMS (BE4164)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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				7519			7310			7143		
US Military Entrance Processing Command Joint Computer Center Hardware/Software	A				678			1071			803		
US Military Entrance Processing Command Integration Resource System Hardware/Software	A				6449			2022			6710		
US Military Academy Information Technology Hardware/Software	A				2087			2247			2246		
Modernized Defense Civilian Personnel Data System Hardware/Software	A				10653			7665			6174		
Army Recruiting Information Support System Hardware/Software	A				6630			7883			16924		
Personnel Transformation Corporate Database Hardware/Software	A										4256		
Congressional FY02 plus up allocated to other (BD7000) program.	A							2507					
Total					34016			30705			44256		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Personnel Enterprise System-Automation										
Hardware/Software										
FY 2001	ORACLE Redwood Shores, CA	C/FP	GSA-FEDSIM/DSSW	FEB 01	MAR 01			YES	NO	
FY 2001	EMC East Norriton, PA	C/FP	GSA-FEDSIM/DSSW	FEB 01	MAR 01			YES	NO	
FY 2001	Enterworks, Inc. Ashburn, VA	C/FP	GSA-FEDSIM/DSSW	FEB 01	MAR 01			YES	NO	
FY 2001	Cognos Vienna, VA	C/FP	GSA-FEDSIM/DSSW	FEB 01	MAR 01			YES	NO	
FY 2001	International Business Machine Bethesda, MD	C/FP	GSA-FEDSIM/DSSW	FEB 01	MAR 01			YES	NO	
FY 2002	TBS	C/FP	GSA-FEDSIM/DSSW	MAR 02	MAY 02			YES	NO	
FY 2003	TBS	C/FP	GSA-FEDSIM/DSSW	JAN 03	MAR 03			YES	NO	
US Military Entrance Processing Command										
Joint Computer Center Hardware/Software										
FY 2001	International Business Machine Chicago, IL	C/FP	GSA, Chicago, IL	APR 01	JUL 01			YES	NO	
FY 2002	TBS	C/FP	GSA, Chicago, IL	VAR	VAR			YES	NO	
FY 2003	TBS	C/FP	GSA, Chicago, IL	VAR	VAR			YES	NO	

REMARKS: All quantities and unit cost vary by configuration and site.
 DCMA - Defense Contract Management Agency
 DOC - Directorate of Contracting
 CAC-W - US Army Communications-Electronics Command (CECOM) Acquisition Center-Washington
 GSA - General Services Administration
 GSA-FEDSIM - General Services Administration-Federal Systems Integration Management, Falls Church, VA
 GTSI - Government Technology Services, Inc
 VAR - Multiple contracts awarded/delivered throughout the year.

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
<p>•</p> <p>US Military Entrance Processing Command</p> <p>Integration Resource System</p> <p>Hardware/Software</p> <p>FY 2001 Lockheed-Martin Owego, NY C/FP DCMA, Owego, NY MAR 01 APR 01 YES NO</p> <p>FY 2002 TBS C/FP DCMA, Owego, NY VAR VAR YES NO</p> <p>FY 2003 TBS C/FP DCMA, Owego, NY VAR VAR YES NO</p> <p>•</p> <p>US Military Academy Information</p> <p>Technology Hardware/Software</p> <p>FY 2001 DELL Marketing L.P. Round Rock, TX C/FP DOC, West Point, NY VAR VAR YES NO</p> <p>FY 2001 Gorilla Systems, Inc. Tulsa, OK C/FP DOC, West Point, NY DEC 00 JAN 01 YES NO</p> <p>FY 2001 Technology Integration Group Torrence, CA C/FP DOC, West Point, NY NOV 00 DEC 00 YES NO</p> <p>FY 2001 FDC/Sylvest Mgmt Systems Corp Greenbelt, MD C/FP DOC, West Point, NY VAR VAR YES NO</p> <p>FY 2001 Gates Arrow Dist/CO Data Pages Greenville, SC C/FP DOC, West Point, NY NOV 00 DEC 00 YES NO</p>										

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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
FY 2001	GTSI Chantilly, VA	C/FP	DOC, West Point, NY	VAR	VAR			YES	NO	
FY 2001	Unisys Federal Systems Hanover, MD	C/FP	DOC, West Point, NY	NOV 00	JAN 01			YES	NO	
FY 2001	Wintronix, Inc. Colorado Springs, CO	C/FP	DOC, West Point, NY	NOV 00	NOV 00			YES	NO	
FY 2001	Video & Telecommunications Inc Springfield, VA	C/FP	DOC, West Point, NY	NOV 00	DEC 00			YES	NO	
FY 2001	PRC, Inc. Reston, VA	C/FP	DOC, West Point, NY	NOV 00	JAN 01			YES	NO	
FY 2001	Multigen-Paradigm, Inc. Dallas, TX	C/FP	DOC, West Point, NY	NOV 00	NOV 00			YES	NO	
FY 2001	CDW Government, Inc. Vernon Hills, IL	C/FP	DOC, West Point, NY	JAN 01	FEB 01			YES	NO	
FY 2001	James River Technical, Inc. Glen Allen, VA	C/FP	DOC, West Point, NY	DEC 00	JAN 01			YES	NO	
FY 2001	Microwarehouse, Inc. Norwalk, CT	C/FP	DOC, West Point, NY	JAN 01	JAN 01			YES	NO	
FY 2001	International Business Machine Bethesda, MD	C/FP	DOC, West Point, NY	NOV 00	DEC 00			YES	NO	
FY 2001	Westwood Computer, Inc. Springfield, NJ	C/FP	DOC, West Point, NY	JAN 01	FEB 01			YES	NO	
FY 2001	Lucent Technologies Greenboro, NC	C/FP	DOC, West Point, NY	MAR 01	DEC 01			YES	NO	
FY 2002	TBS	C/FP	DOC, West Point, NY	VAR	VAR			YES	NO	
FY 2002	Federal Data Corporation Greenbelt, MD	C/FP	DOC, West Point, NY	DEC 01	JAN 02			YES	NO	
FY 2002	Audio Video Corp. Albany, NY	C/FP	DOC, West Point, NY	VAR	VAR			YES	NO	

REMARKS: All quantities and unit cost vary by configuration and site.
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Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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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
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 2003	TBS	C/FP	DOC, West Point, NY	VAR	VAR			YES	NO	
Modernized Defense Civilian Personnel										
Data System Hardware/Software										
FY 2001	Lockheed-Martin Owego, NY	C/FP	CAC-W, Alexandria, VA	VAR	VAR			YES	NO	
FY 2001	TELOS Ashburn, VA	C/FP	CAC-W, Alexandria, VA	VAR	VAR			YES	NO	
FY 2001	DELL Austin, TX	C/FP	CAC-W, Alexandria, VA	VAR	VAR			YES	NO	
FY 2001	Cabletron Rochester, NH	C/FP	CAC-W, Alexandria, VA	VAR	VAR			YES	NO	
FY 2001	GTSI Sterling, VA	C/FP	CAC-W, Alexandria, VA	VAR	VAR			YES	NO	
FY 2001	PRC, Inc. Reston, VA	C/FP	CAC-W, Alexandria, VA	VAR	VAR			YES	NO	
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	

REMARKS: All quantities and unit cost vary by configuration and site.
 DCMA - Defense Contract Management Agency
 DOC - Directorate of Contracting
 CAC-W - US Army Communications-Electronics Command (CECOM) Acquisition Center-Washington
 GSA - General Services Administration
 GSA-FEDSIM - General Services Administration-Federal Systems Integration Management, Falls Church, VA
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Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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 2003 . Army Recruiting Information Support System Hardware/Software	TBS	C/FP	CAC-W, Alexandria, VA	VAR	VAR			YES	NO	
FY 2001	TELOS Ashburn, VA	C/FP	GSA, Huntsville, AL	DEC 00	JAN 01			YES	NO	
FY 2002	TELOS Ashburn, VA	C/FP	GSA, Huntsville, AL	NOV 01	DEC 01			YES	NO	
FY 2002	TBS	C/FP	GSA, Huntsville, AL	MAY 02	JUL 02			YES	NO	
FY 2003	TBS	C/FP	GSA, Huntsville, AL	JAN 03	MAR 03			YES	NO	
. Personnel Transformation Corporate Database Hardware/Software										
FY 2003 .	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
 CAC-W - US Army Communications-Electronics Command (CECOM) Acquisition Center-Washington
 GSA - General Services Administration
 GSA-FEDSIM - General Services Administration-Federal Systems Integration Management, Falls Church, VA
 GTSI - Government Technology Services, Inc
 VAR - Multiple contracts awarded/delivered throughout the year.

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

P-1 Item Nomenclature
LOGISTICS AUTOMATION SYSTEMS (BE4166)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	80.3	3.0	8.5	4.9	2.7	2.2	3.2	3.2	4.3	4.3		116.7
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)	80.3	3.0	8.5	4.9	2.7	2.2	3.2	3.2	4.3	4.3		116.7
Initial Spares												
Total Proc Cost	80.3	3.0	8.5	4.9	2.7	2.2	3.2	3.2	4.3	4.3		116.7
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. FY03 procures 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. Though 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, etc. is funded by the respective service proponent. FY03 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.

Exhibit P-40C, Budget Item Justification Sheet

Date:

February 2002

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:

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. FY03 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. FY03 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. FY03 procures hand-held readers and interrogators, business process servers for receiving, storing and forwarding ITV/AIT transactions, and radio frequency identification tags.

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: LOGISTICS AUTOMATION SYSTEMS (BE4166)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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				987			1059			883		
Automated Air Load Planning System (AALPS)	A				373			368			368		
Integrated Computerized Deployment System (ICODES)	A				200			200			200		
Intransit Visibility/Automatic Identification Technology (ITV/AIT)	A				502			828			780		
Army Food Management Information Systems (AFMIS) Modernization	A				2356								
Hazardous Substance Management System (HSMS)	A				522								
Congressional FY02 plus up allocated to other (BD7000) program.	A							218					
All quantities and unit costs vary by configuration for all programs													
Total					4940			2673			2231		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Worldwide Port System (WPS)										
FY 2001	US Army Natick Soldier Center Natick, MA	MIPR	MTMC, Falls Church, VA	JAN 01	JUN 01			YES	NO	
FY 2001	GTSI Chantilly, VA	C/FP	MTMC, Falls Church, VA	MAY 01	JUN 01			YES	NO	
FY 2001	Symbol Technologies, Inc. Holtsville, NY	C/FP	MTMC, Falls Church, VA	MAY 01	JUN 01			YES	NO	
FY 2001	Specialty Cases Laurel, MD	C/FP	MTMC, Falls Church, VA	JUN 01	AUG 01			YES	NO	
FY 2002	TBS	C/FP	MTMC, Falls Church, VA	MAR 02	MAY 02			YES	NO	
FY 2003	TBS	C/FP	MTMC, Falls Church, VA	JAN 03	MAR 03			YES	NO	
Automated Air Load Planning System (AALPS)										
FY 2001	A & T Systems Inc. Silver Springs, MD	C/FP	MTMC, Falls Church, VA	FEB 01	JUN 01			YES	NO	
FY 2002	TBS	C/FP	MTMC, Falls Church, VA	MAR 02	MAY 02			YES	NO	
FY 2003	TBS	C/FP	MTMC, Falls Church, VA	JAN 03	MAR 03			YES	NO	
Integrated Computerized Deployment										

REMARKS: All quantities and unit costs vary by configuration.
CAC-W - Communications and Electronics Command (CECOM) Acquisition Center - Washington, DC
MDW - Military District of Washington
MTMC - Military Traffic Management Command
SDC-L - Software Development Center

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
System (ICODES)										
FY 2001	CDW-G Vernon Hills, IL	C/FP	MTMC, Falls Church, VA	JAN-01	JUL 01			YES	NO	
FY 2001	CWPS Chantilly, VA	C/FP	MTMC, Falls Church, VA	MAY 01	MAY 01			YES	NO	
FY 2001	GTSI Chantilly, VA	C/FP	MTMC, Falls Church, VA	MAR 01	MAR 01			YES	NO	
FY 2002	TBS	C/FP	MTMC, Falls Church, VA	MAR 02	MAY 02			YES	NO	
FY 2003	TBS	C/FP	MTMC, Falls Church, VA	JAN 03	MAR 03			YES	NO	
.										
Intransit Visibility/Automatic Identification Technology (ITV/AIT)										
FY 2001	A & T Systems Inc. Silver Springs, MD	C/FP	MTMC, Falls Church, VA	FEB 01	JUL 01			YES	NO	
FY 2001	Symbol Technologies, Inc. Holtsville, NY	C/FP	MTMC, Falls Church, VA	VAR	VAR			YES	NO	
FY 2002	TBS	C/FP	MTMC, Falls Church, VA	MAR 02	MAY 02			YES	NO	
FY 2003	TBS	C/FP	MTMC, Falls Church, VA	JAN 03	MAR 03			YES	NO	
.										
Army Food Management Information										

REMARKS: All quantities and unit costs vary by configuration.
CAC-W - Communications and Electronics Command (CECOM) Acquisition Center - Washington, DC
MDW - Military District of Washington
MTMC - Military Traffic Management Command
SDC-L - Software Development Center

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Systems (AFMIS) Modernization FY 2001	Data-line Corp Norfolk, VA	C/FP	SDC-L, Ft. Lee, VA	MAY 01	JUN 01			YES	NO	
Hazardous Substance Management System (HSMS) FY 2001	The Presidio Corp Lanham, MD	C/FP	CAC-W, Alexandria, VA	JAN 01	MAR 01			YES	NO	
FY 2001	Symbol Technologies, Inc. Holtsville, NY	C/FP	MDW, Ft. Belvoir, VA	MAR 01	MAY 01			YES	NO	

REMARKS: All quantities and unit costs vary by configuration.
CAC-W - Communications and Electronics Command (CECOM) Acquisition Center - Washington, DC
MDW - Military District of Washington
MTMC - Military Traffic Management Command
SDC-L - Software Development Center

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	56.8	29.3	32.1	64.9	24.8	2.4	2.5	42.6	61.0	62.7		379.0
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)	56.8	29.3	32.1	64.9	24.8	2.4	2.5	42.6	61.0	62.7		379.0
Initial Spares												
Total Proc Cost	56.8	29.3	32.1	64.9	24.8	2.4	2.5	42.6	61.0	62.7		379.0
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:

FY 03 funds support hardware and software upgrades at the JCALS System Operation Support Center (SOSC), test labs, and integration suites.

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: JOINT COMPUTR AIDED ACQ & LOG SPT (WA1000)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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				35592			2962			1846		
Software Investment	A				4267			220			344		
Site Fielding and Activation (Installation/Integration)	A				25049			13266			216		
Prime contractor PMO	A							4481					
PM JCALS PMO	A							1822					
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.													
Congressional FY02 plus up allocated to other (BD7000) program.	A							2023					
All quantities and Unit Costs vary by configuration.													
Total					64908			24774			2406		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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
Joint Computer-Aided Acquisition and Logistics Support (JCALS)										
Hardware Investment										
FY 2001	Computer Systems Corp. Moorestown, NJ	CPAF/FFP	CAC-W	MAY-01	SEP-01			YES	NO	
FY 2002	Computer Systems Corp. Moorestown, NJ	T&M/FFP	CAC-W	MAY-02	SEP-02			YES	NO	
FY 2003	Computer Systems Corp. Moorestown, NJ	T&M/FFP	CAC-W	MAY-03	SEP-03			YES	NO	
Software Investment										
FY 2001	Computer Systems Corp. Moorestown, NJ	CPAF/FFP	CAC-W	MAY-01	SEP-01			YES	NO	
FY 2002	Computer Systems Corp. Moorestown, NJ	T&M/FFP	CAC-W	MAY-02	SEP-02			YES	NO	
FY 2003	Computer Systems Corp. Moorestown, NJ	T&M/FFP	CAC-W	MAY-03	SEP-03			YES	NO	

REMARKS: All Unit costs for all years vary by configuration.
CAC-W - Communicatons and Electronics Command (CECOM) Acquisition Center - Washington, DC
CPAF - Cost Plus Award Fee
FFP - Firm Fixed Price
T&M - Time and Materials

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	947.1	116.1	82.7	97.9	88.6	68.3	46.8	49.9	48.3	50.2		
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)	947.1	116.1	82.7	97.9	88.6	68.3	46.8	49.9	48.3	50.2		
Initial Spares												
Total Proc Cost	947.1	116.1	82.7	97.9	88.6	68.3	46.8	49.9	48.3	50.2		
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

The Reserve Component Automation System (RCAS) is an automated system that will provide the Army the capability to administer, manage, and mobilize Army National Guard and Army Reserve forces more effectively. RCAS links over 57,000 computers at 10,500 Guard and Reserve units through a wide area network at over 4,000 sites located in 54 states, territories, and the District of Columbia. The RCAS will support daily operational, training, and administrative tasks at all Guard and Reserve echelons and will provide timely and accurate information to plan and support mobilization. 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 redesigned system consists of Commercial-Off-The-Shelf (COTS) hardware and office automation software, Government-Off-The-Shelf (GOTS) software, and RCAS developed new software integrated into an open systems, PC-based architecture. The RCAS Mission Needs 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, 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, essentially 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 Four/Five, delivered through FY01, added data servers, logistics functionality associated with GOTS software (e.g., Standard Property Book System-Redesign), force authorization/modernization, training, human resources functionality, initial and phase 2 software encryption, and introduced mobilization planning, occupational health and management functionality. Increments Six - Seven to be fielded in FY02 will provide safety and additional occupational health management, force authorization/management, human resources, mobilization planning and civilian personnel functionality. Increment 8, currently scheduled for testing and deployment in FY03 will deliver the remaining mobilization, force modernization, safety and occupational health management functionality. FY03 will also focus on transitioning the RCAS to the sustaining phase of its life cycle and begin replacing obsolete hardware infrastructure to maintain functional and operational capabilities.

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: RESERVE COMPONENT AUTOMATION SYS (RCAS) (BE4167)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		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				15757	1	15757						
ADP Equipment (Replacement)	A										49800	1	49800
ADP Software	A				36799	1	36799	36000	1	36000	1865	1	1865
SUBTOTAL					52556			36000			51665		
FIELDING	A				6977	1	6977	925	1	925	474	1	474
SUSTAINMENT	A				4836	1	4836	13014	1	13014	7208	1	7208
PROGRAM MGT/OPERATIONS	A				13654	1	13654	15000	1	15000	3422	1	3422
SYSTEM ENGINEERING	A				14363	1	14363	16294	1	16294	3812	1	3812
AWARD FEE	A				5516	1	5516	7400	1	7400	1692	1	1692
SUBTOTAL					45346			52633			16608		
Total					97902			88633			68273		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
PRODUCTION										
FY 2001	Science Applications Int Corp Vienna, VA	Option	CECOM	Oct 00	Oct 00	1	52566	Yes	No	
FY 2002	Science Applications Int Corp Vienna, VA	Option	CECOM	Oct 01	Oct 01	1	36000	Yes	No	
FY 2003	Science Applications Int Corp Vienna, VA	Option	CECOM	Oct 02	Oct 02	1	1865	Yes	No	
FY 2003	TBD	TBD	TBD	TBD	TBD	1	49800	Yes	No	

REMARKS: The RCAS is a "turn-key" system, and as such is considered one system therefore the quantity is one. 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.

Contract award dates for annual renewals of the base contract awarded in 1991.

FY03 ADP Equipment (replacement category on P5) provides for replacement of hardware infrastructure. The amount identified for FY03 will enable replacement of aging equipment fielded earlier in the system's life cycle.

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost					0.2							0.2
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)					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 2002

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 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	74.5	0.5	0.5	1.5	2.5	2.5	2.6	3.7	1.1	0.8		90.1
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)	74.5	0.5	0.5	1.5	2.5	2.5	2.6	3.7	1.1	0.8		90.1
Initial Spares												
Total Proc Cost	74.5	0.5	0.5	1.5	2.5	2.5	2.6	3.7	1.1	0.8		90.1
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

The Armed Forces Radio and Television Service (AFRTS) provides American language broadcast services to DOD personnel and family members stationed overseas. AFRTS is the only mass communications support to overseas warfighting Commanders-in-Chief (CINCs) 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 CINCs 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 03 funds replace ten to twelve-year-old Electronic Field Production (EFP) vehicles that exceeded lifecycle replacement criteria in 1996, related electronic support equipment, and video compression equipment for AFRTS satellite broadcast operations and a wide area network system for American Forces Network Europe (AFNE). Failure to fund these systems will reduce AFRTS capability to sustain mission support for full spectrum contingency operations such as Croatia, Hungary, Macedonia, and Bosnia. It will also deny warfighting CINCs the critical AFRTS resources to execute wartime and contingency/emergency information needs in a timely manner. In addition to health, safety, and quality of life issues, "Observations and Lessons Learned, Operation Desert Storm" validated AFRTS as a force multiplier providing battlefield support. AFRTS, through its primary mission of command information, serves as an information conduit for the battlefield commander. 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 to US deployed forces. Overseas force reductions, force realignment, post-Conventional Forces Europe (CFE), troop strength reductions in Korea, and overseas base closures have been considered and do not impact the equipment required to sustain the basic broadcast capability.

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: AFRTS (BZ8480)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
American Forces Network Europe (AFNE) AFNE Replacement Equipment	A				976			1601			1635		
Armed Forces Korea Network (AFKN) AFKN Replacement Equipment	A				529			861			888		
(All quantities and unit costs vary by configuration)													
Total					1505			2462			2523		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		Weapon System Type:			P-1 Line Item Nomenclature: AFRTS (BZ8480)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
American Forces Network Europe (AFNE)										
AFNE Replacement Equipment										
FY 2001	Snader and Associates Sacramento, CA	C/FP	DOD T-ASA, McClellan, CA	VAR	VAR			YES	NO	
FY 2001	Audio Precision Beaverton, OR	C/FP	DOD T-ASA, McClellan, CA	SEP 01	NOV 01			YES	NO	
FY 2002	TBS	C/FP	DOD T-ASA, McClellan, CA	MAR 02	AUG 02			YES	NO	
FY 2002	NAWCAD Patuxant River, MD	MIPR	IMCEN, Arlington, VA	DEC 01	DEC 01			YES	NO	
FY 2003	TBS	C/FP	DOD T-ASA, McClellan, CA	MAR 03	AUG 03			YES	NO	
Armed Forces Korea Network (AFKN)										
AFKN Replacement Equipment										
FY 2001	Scientific Atlanta Inc. Lawrenceville, GA	C/FP	DOD T-ASA, McClellan, CA	FEB 01	AUG 01			YES	NO	
FY 2002	TBS	C/FP	DOD T-ASA, McClellan, CA	MAR 02	AUG 02			YES	NO	
FY 2003	TBS	C/FP	DOD T-ASA, McClellan, CA	MAR 03	AUG 03			YES	NO	

REMARKS: All quantities and unit cost vary by configuration.
DOD T-ASA - Department of Defense Television-Audio Support Activity
IMCEN - Information Management Support Center, Pentagon
NAWCAD - Naval Air Warfare Center Aircraft Division

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

P-1 Item Nomenclature
ITEMS LESS THAN \$5.0M (A/V) (BK5289)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	127.3	6.7	2.7	4.7	5.7	5.8	6.0	6.4	6.5	6.7		178.4
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)	127.3	6.7	2.7	4.7	5.7	5.8	6.0	6.4	6.5	6.7		178.4
Initial Spares												
Total Proc Cost	127.3	6.7	2.7	4.7	5.7	5.8	6.0	6.4	6.5	6.7		178.4
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, and HQDA (Office of the Director of Information Systems for Command, Control, Communications and Computers (ODISC4)) 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, National Defense University, 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): FY03 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: FY03 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.

Exhibit P-40C, Budget Item Justification Sheet

Date:

February 2002

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

P-1 Item Nomenclature

ITEMS LESS THAN \$5.0M (A/V) (BK5289)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

The mobile units used by Army combat camera units are required to support the theater Army headquarters and other Army field units to accomplish digital motion video photo and still photo editing in support of documentation of combat and combat support operations.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: ITEMS LESS THAN \$5.0M (A/V) (BK5289)			Weapon System Type:			Date: February 2002		
OPA2 Cost Elements	ID CD	FY 00			FY 01			FY 02			FY 03		
		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$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				2742			5236			5254		
Combat Camera -Motion video hardware, software, shelter modifications, and program management costs	A							498			502		
Industrial College of the Armed Forces Information and Presentation Capability	A				1925								
Quantities and unit costs vary by configuration for all programs													
Total					4667			5734			5756		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2002

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 Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<p>Visual Information Systems Program(VISP)</p> <p>FY 2001 VAR C/FP DOD T-ASA, McClellan, CA VAR* VAR* YES NO</p> <p>FY 2002 VAR C/FP DOD T-ASA, McClellan, CA VAR* VAR* YES NO</p> <p>FY 2003 TBS C/FP DOD T-ASA, McClellan, CA VAR* VAR* YES NO</p> <p>Combat Camera</p> <p>-Motion video hardware, software, shelter modifications, and program management costs</p> <p>FY 2002 TBS C/FP PM DCATS, Ft. Monmouth, NJ APR 02 SEP 02 YES NO</p> <p>FY 2003 TBS C/FP PM DCATS, Ft. Monmouth, NJ APR 03 SEP 03 YES NO</p> <p>Industrial College of the Armed Forces Information and Presentation Capability</p>										

REMARKS: All quantities and unit costs vary by configuration.
DOD T-ASA - Department of Defense Television-Audio Support Activity
PM DCATS - Project Manager, Defense Communications and Transmission Systems
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-5a, Budget Procurement History and Planning

Date:
February 2002

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 Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2001	Gateway Computers North Sioux City, SD	C/FP	DOD T-ASA, McClellan, CA	MAY 01	SEP 01			YES	NO	
FY 2001	Electronic Systems Minnetonka, MN	C/FP	DOD T-ASA, McClellan, CA	MAY 01	SEP 01			YES	NO	
FY 2001	B & H Photo Video New York, NY	C/FP	DOD T-ASA, McClellan, CA	MAY 01	SEP 01			YES	NO	
FY 2001	Bradley Broadcast Sales, Inc Frederick, MD	C/FP	DOD T-ASA, McClellan, CA	MAY 01	SEP 01			YES	NO	
FY 2001	McBride and Associates Albuquerque, NM	C/FP	DOD T-ASA, McClellan, CA	MAY 01	SEP 01			YES	NO	
FY 2001	Snader & Associates Roseville, CA	C/FP	DOD T-ASA, McClellan, CA	MAY 01	SEP 01			YES	NO	
FY 2001	Washington Professional System Wheaton, MD	C/FP	DOD T-ASA, McClellan, CA	MAY 01	SEP 01			YES	NO	
FY 2001	VMI, Inc Rancho Cordova, CA	C/FP	DOD T-ASA, McClellan, CA	MAY 01	SEP 01			YES	NO	
FY 2001	Panasonic Co. Rockville, MD	C/FP	DOD T-ASA, McClellan, CA	MAY 01	SEP 01			YES	NO	
FY 2001	Professional Products, Inc Gaithersburg, MD	C/FP	DOD T-ASA, McClellan, CA	MAY 01	SEP 01			YES	NO	
FY 2001	West Coast Business Products Chatsworth, CA	C/FP	DOD T-ASA, McClellan, CA	MAY 01	SEP 01			YES	NO	
FY 2001	Northern Video Systems, Inc Rocklin, CA	C/FP	DOD T-ASA, McClellan, CA	MAY 01	SEP 01			YES	NO	
FY 2001	Corporate Express Springdale, MD	C/FP	DOD T-ASA, McClellan, CA	MAY 01	SEP 01			YES	NO	
FY 2001	Spinatar Santa Fe Springs, CA	C/FP	DOD T-ASA, McClellan, CA	MAY 01	SEP 01			YES	NO	
FY 2001	Wolfvision, Inc San Carlos, CA	C/FP	DOD T-ASA, McClellan, CA	MAY 01	SEP 01			YES	NO	

REMARKS: All quantities and unit costs vary by configuration.
DOD T-ASA - Department of Defense Television-Audio Support Activity
PM DCATS - Project Manager, Defense Communications and Transmission Systems
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-5a, Budget Procurement History and Planning

Date:
February 2002

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 Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2001	Sony Corp. Lanham, MD	C/FP	DOD T-ASA, McClellan, CA	MAY 01	SEP 01			YES	NO	
FY 2001	Wire One Technologies Hillside, NY	C/FP	DOD T-ASA, McClellan, CA	MAY 01	SEP 01			YES	NO	

REMARKS: All quantities and unit costs vary by configuration.
DOD T-ASA - Department of Defense Television-Audio Support Activity
PM DCATS - Project Manager, Defense Communications and Transmission Systems
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 2002

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

P-1 Item Nomenclature
ITEMS LESS THAN \$5M (SURVEYING EQUIPMENT) (BL5300)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost					0.6	1.0	2.1	2.4	3.0	1.8		10.8
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)					0.6	1.0	2.1	2.4	3.0	1.8		10.8
Initial Spares												
Total Proc Cost					0.6	1.0	2.1	2.4	3.0	1.8		10.8
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

This budget line supports the surveying equipment: Survey Set General Purpose , Surveying Equipment Electric (AISI) Long, Surveying Equipment Electric (AISI) Short- modernization program to incorporate the capabilities of the Automated Integrated Survey Instrument (AISI).

Survey Set: Triangulation - updating set to incorporate integrated survey instrument capabilities.

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

Justification:

FY03 funds will purchase the Survey Set Electric (Long and Short)

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2002

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

P-1 Item Nomenclature
PRODUCTION BASE SUPPORT (C-E) (BF5400)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	177.0	0.4	2.8	0.4	0.4	0.4	0.4	0.4	0.5	0.5		183.2
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)	177.0	0.4	2.8	0.4	0.4	0.4	0.4	0.4	0.5	0.5		183.2
Initial Spares												
Total Proc Cost	177.0	0.4	2.8	0.4	0.4	0.4	0.4	0.4	0.5	0.5		183.2
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. The purpose of the requested equipment is to support testing of communications equipment in a Command, Control, Communications, Computers, & Intelligence (C4I) environment. 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:

FY03 procures: Global Positioning System location system transponders used to track various ground targets being used during the production testing of Army communications and electronics and 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 it's 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.