

DEPARTMENT OF THE ARMY

Procurement Programs



Committee Staff Procurement Backup Book
FY 2002 Amended Budget Submission

OTHER PROCUREMENT, ARMY
Communications and Electronics
Budget Activity 2
APPROPRIATION

June 2001

Unit Set Fielding

Notification

The Army is committed to displaying future budget requests in Unit Set Fielding format. We will move toward this type of display beginning with our FY03 budget request.

The display of Unit Set Fielding will define a capability vice a piece of equipment.

Unit Set Fielding Definition

Unit Set Fielding (USF) is the process that modernizes and transforms the Army **by unit sets** primarily at brigade and division levels. The USF schedule synchronizes the fielding of new and upgraded systems, along with supporting enablers, to units in specified windows of generally 6 months per brigade. The intent of this process is to field systems and enablers in sets to provide increased unit operational capability that supports the Army Vision and priorities established by the Army. This approach shifts the focus away from development and fielding of individual systems and to integrated combat capabilities. In order to effectively accomplish USF, the scope of synchronization extends to encompass requirements for manning units, training those units, sustaining those units, and includes installation requirements in support of unit requirements. USF is fully integrated into the Army Transformation Campaign Plan and is clearly the most effective means to synchronize the development and fielding of interim brigades and the objective force of the future.

The Army will work with Congress as we develop Unit Set Fielding displays to assure all required information is included.

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APPROPRIATION Other Procurement, Army

ACTIVITY 02 Communications and Electronics Equipment

LINE NO	ITEM NOMENCLATURE	ID	DOLLARS IN THOUSANDS									
			FY 2000		FY 2001		FY 2002					
			QTY	COST	QTY	COST	QTY	COST				
<i>COMM - JOINT COMMUNICATIONS</i>												
21	COMBAT IDENTIFICATION PROGRAM (BA0510)			7535		15948					13147	
22	JCSE EQUIPMENT (USREDCOM) (BB5777)			5097		5461					5594	
	<i>SUB-ACTIVITY TOTAL</i>			<u>12,632</u>		<u>21,409</u>					<u>18,741</u>	
<i>COMM - SATELLITE COMMUNICATIONS</i>												
23	DEFENSE SATELLITE COMMUNICATIONS SYSTEM (SPACE) (BB8500)			68194		70837					99420	
24	SHF TERM (BA9350)			15340		27743					16951	
25	SAT TERM, EMUT (SPACE) (K77200)			6519		16945					12640	
26	NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE) (K47800)	B	14	6529	7,019	21656	7,120				20806	
27	SMART-T (SPACE) (BC4002)			924		31561					21704	
28	SCAMP (SPACE) (BC4003)			5011		4190					3562	
29	GLOBAL BRDCST SVC - GBS (BC4120)			10873		4215					6969	
30	MOD OF IN-SVC EQUIP (TAC SAT) (BB8417)			498		1465					2492	
	<i>SUB-ACTIVITY TOTAL</i>			<u>113,888</u>		<u>178,612</u>					<u>184,544</u>	
<i>COMM - C3 SYSTEM</i>												
31	ARMY GLOBAL CMD & CONTROL SYS (AGCCS) (BA8250)	A		13207		10184					8622	
	<i>SUB-ACTIVITY TOTAL</i>			<u>13,207</u>		<u>10,184</u>					<u>8,622</u>	
<i>COMM - COMBAT COMMUNICATIONS</i>												
32	ARMY DATA DISTRIBUTION SYSTEM (DATA RADIO) (BU1400)	B		53016		80810					46332	

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DOLLARS IN THOUSANDS

LINE NO	ITEM NOMENCLATURE	ID	FY 2000		FY 2001		FY 2002	
			QTY	COST	QTY	COST	QTY	COST
33	SINGGARS FAMILY (BW0006)	A		32744		51871		20687
34	TRACTOR CAGE (BC3000)							1866
35	JOINT TACTICAL AREA COMMAND SYSTEMS (BA1010)	A		951		956		971
36	ACUS MOD PROGRAM (BB1600)	A		145289		199924		113137
37	COMMS-ELEC EQUIP FIELDING (BA5210)			4133		7016		3412
38	SOLDIER ENHANCEMENT PROGRAM COMM/ELECTRONICS (BA5300)			3645		19164		5136
39	PRODUCT IMPROVED COMBAT VEHICLE CREWMAN HEADSET (BA5310)			14759				
40	COMBAT SURVIVOR EVADER LOCATOR (CSEL) (B03200)	B						12720
41	MEDICAL COMM FOR CBT CASUALTY CARE (MC4) (MA8046)			15732		3611		7703
	<i>SUB-ACTIVITY TOTAL</i>			270,269		363,352		211,964
	<i>COMM - INTELLIGENCE COMM</i>							
42	CI AUTOMATION ARCHITECTURE (BK5284)	A		1578		1728		1635
	<i>SUB-ACTIVITY TOTAL</i>			1,578		1,728		1,635
	<i>COMM - INFORMATION SECURITY</i>							
43	TSEC - ARMY KEY MGT SYS (AKMS) (BA1201)			10990		10868		12203
44	INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)	A		48600		79234		42244
	<i>SUB-ACTIVITY TOTAL</i>			59,590		90,102		54,447
	<i>COMM - LONG HAUL COMMUNICATIONS</i>							
45	TERRESTRIAL TRANSMISSION (BU1900)			2020		1991		2038

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LINE NO	ITEM NOMENCLATURE	ID	DOLLARS IN THOUSANDS					
			FY 2000		FY 2001		FY 2002	
			QTY	COST	QTY	COST	QTY	COST
46	BASE SUPPORT COMMUNICATIONS (BU4160)			3552		4459		11739
47	ARMY DISN ROUTER (BU0300)			3684		4268		4931
48	ELECTROMAG COMP PROG (EMCP) (BD3100)			438		427		462
49	WW TECH CON IMP PROG (WWTCIP) (BU3610)			2879		2818		2998
	<i>SUB-ACTIVITY TOTAL</i>			<u>12,573</u>		<u>13,963</u>		<u>22,168</u>
	<i>COMM - BASE COMMUNICATIONS</i>							
50	INFORMATION SYSTEMS (BB8650)			98299		85664		166679
51	DEFENSE MESSAGE SYSTEM (DMS) (BU3770)			16958		19723		18463
52	LOCAL AREA NETWORK (LAN) (BU4165)			113868		64879		103965
53	PENTAGON INFORMATION MGT AND TELECOM (BQ0100)			17112		31676		33605
	<i>SUB-ACTIVITY TOTAL</i>			<u>246,237</u>		<u>201,942</u>		<u>322,712</u>
	<i>ELECT EQUIP - NAT FOR INT PROG (NFIP)</i>							
54	FOREIGN COUNTERINTELLIGENCE PROG (FCI) (BK5282)			1846		861		877
55	GENERAL DEFENSE INTELL PROG (GDIP) (BD3900)			26015		19425		27994
	<i>SUB-ACTIVITY TOTAL</i>			<u>27,861</u>		<u>20,286</u>		<u>28,871</u>
	<i>ELECT EQUIP - TACT INT REL ACT (TIARA)</i>							
56	ALL SOURCE ANALYSIS SYS (ASAS) (TIARA) (KA4400)	B		56271		71515		46931
57	JTT/CIBS-M (TIARA) (V29600)	B	43	23808	148	26508	59	10345
58	PROPHET GROUND (TIARA) (BZ7326)				6	11159	28	15734

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LINE NO	ITEM NOMENCLATURE	ID	DOLLARS IN THOUSANDS					
			FY 2000		FY 2001		FY 2002	
			QTY	COST	QTY	COST	QTY	COST
59	TACTICAL UNMANNED AERIAL VEHICLE (TUAV) (JMIP) (BA0330)	A		800	4	37442	12	84300
60	Army Common Ground Station (CGS) (BA1080)	B		94840		65805		21304
61	DIGITAL TOPOGRAPHIC SPT SYS (DTSS) (TIARA) (KA2550)	B		24395		20121		20124
62	DRUG INTERDICTION PROGRAM (DIP) (TIARA) (BU4050)			3672				
63	TACT EXPLOITATION OF NATL CAPABILITIES (TIARA) (BZ7315)			4351		12735		
64	TACTICAL EXPLOITATION SYSTEM (TIARA) (BZ7317)							26168
65	DISTRIBUTED COMMON GRND SYSTEM (DCGS) (JMIP) (BZ7316)			2779		2807		2611
66	TROJAN (TIARA) (BA0326)	B		11203		4226		4895
67	MOD OF IN-SVC EQUIP (INTEL SPT) (TIARA) (BZ9750)			10651		1692		1744
68	CI HUMINT INFO MANAGEMENT SYSTEM (CHIMS) (TIARA) (BK5275)			4079		3005		1492
69	ITEMS LESS THAN \$5.0M (TIARA) (BK5278)			528		6553		2091
	<i>SUB-ACTIVITY TOTAL</i>			<u>237,377</u>		<u>263,568</u>		<u>237,739</u>
	<i>ELECT EQUIP - ELECTRONIC WARFARE (EW)</i>							
70	SHORTSTOP (VA8000)			19722		11851		5
71	COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES (BL5283)			2884		2290		2306
	<i>SUB-ACTIVITY TOTAL</i>			<u>22,606</u>		<u>14,141</u>		<u>2,311</u>
	<i>ELECT EQUIP - TACTICAL SURV. (TAC SURV)</i>							
72	FAAD GBS (WK5053)		19	48298		25944		1887
73	SENTINEL MODS (WK5057)							30885

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LINE NO	ITEM NOMENCLATURE	ID	DOLLARS IN THOUSANDS					
			FY 2000		FY 2001		FY 2002	
			QTY	COST	QTY	COST	QTY	COST
74	NIGHT VISION DEVICES (KA3500)	A		57285		92365		37019
75	LONG RANGE ADVANCED SCOUT SURVEILLANCE SYSTEM (K38300)		60	45037	77	45733	80	44535
76	LTWT VIDEO RECON SYSTEM (LWVRS) (K30800)	A	68	4868	4	1187	16	1339
77	NIGHT VISION, THERMAL WPN SIGHT (K22900)	B	1,329	40098	1,413	36015	1,643	35134
78	COMBAT IDENTIFICATION / AIMING LIGHT (BA0515)					10939		8503
79	ARTILLERY ACCURACY EQUIP (AD3200)			4255		14273		10413
80	MOD OF IN-SVC EQUIP (MMS) (AD3255)							935
81	MOD OF IN-SVC EQUIP (MVS) (AD3265)							251
82	PORTABLE INDUCTIVE ARTILLERY FUZE SETTER (PIAFS) (AD3260)		3,492	4119				
83	MOD OF IN-SVC EQUIP (TAC SURV) (BZ7325)			25277		23314		21478
84	FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2) (W61900)	B		66179	1,660	62161	1,655	74663
85	LIGHTWEIGHT LASER DESIGNATOR/RANGEFINDER (LLDR) (K31100)	B			23	7029	21	7059
86	COMPUTER BALLISTICS: MORTAR M-30 (K99200)	A		2840	73	1637		
87	MORTAR FIRE CONTROL SYSTEM (K99300)				225	7273	53	16785
88	INTEGRATED MET SYS SENSORS (IMETS) - TIARA (BW0021)			5445		6954		2521
	<i>SUB-ACTIVITY TOTAL</i>			<u>303,701</u>		<u>334,824</u>		<u>293,407</u>
	<i>ELECT EQUIP - TACTICAL C2 SYSTEMS</i>							
89	TACTICAL OPERATIONS CENTERS (BZ9865)			34777		57606		38952
90	ADV FA TAC DATA SYS / EFF CTRL SYS (AFATDS/ECS) (B28600)	B		43856		58551		49476

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			FY 2000		FY 2001		FY 2002		
			QTY	COST	QTY	COST	QTY	COST	
91	Light Weight Technical Fire Direction Sys (LWTFDS) (B78400)	A		1176		956		1677	
92	CMBT SVC SUPT CONTROL SYS (CSSCS) (W34600)			19836		26956		25201	
93	FAAD C2 (AD5050)	A		10548		32066		8900	
94	FAADC2I MODIFICATIONS (AD5090)			7770					
95	AIR & MSL DEFENSE PLANNING & CONTROL SYS (AMD PCS) (AD5070)			2926		4779		10299	
96	FORWARD ENTRY DEVICE / LIGHTWEIGHT FED (FED/LFED) (BZ9851)	B		14854		18924		15915	
97	STRIKER-COMMAND AND CONTROL SYSTEM (B78500)		35	21997	39	23863	31	21442	
98	LIFE CYCLE SOFTWARE SUPPORT (LCSS) (BD3955)			859		1001		936	
99	LOGTECH (BZ8889)	B		9062		7380		8212	
100	TC AIMS II (BZ8900)			20762		11664		25512	
101	GUN LAYING AND POS SYS (GLPS) (A30000)		83	7433	95	8333	131	12079	
102	ISYSCON EQUIPMENT (BX0007)			13152		29100		32448	
103	MANEUVER CONTROL SYSTEM (MCS) (BA9320)	A	239	23292	264	30570	49	6839	
104	STAMIS TACTICAL COMPUTERS (STACOMP) (W00800)	A		33211		39352		60621	
105	STANDARD INTEGRATED CMD POST SYSTEM (BZ9962)			30568		57590		30513	
	<i>SUB-ACTIVITY TOTAL</i>			296,079		408,691		349,022	
	<i>ELECT EQUIP - AUTOMATION</i>								
106	ARMY TRAINING MODERNIZATION (BE4169)			19065		35470		26312	
107	AUTOMATED DATA PROCESSING EQUIP (BD3000)			156966		192002		146885	

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LINE NO	ITEM NOMENCLATURE	ID	DOLLARS IN THOUSANDS					
			FY 2000		FY 2001		FY 2002	
			QTY	COST	QTY	COST	QTY	COST
108	RESERVE COMPONENT AUTOMATION SYS (RCAS) (BE4167)			82683		97902		89319
	<i>SUB-ACTIVITY TOTAL</i>			<u>258,714</u>		<u>325,374</u>		<u>262,516</u>
	<i>ELECT EQUIP - AUDIO VISUAL SYSTEMS (AV)</i>							
109	Special Information Operations (SIO) (TIARA) (BK5279)							206
110	AFRTS (BZ8480)			488		1505		2481
111	ITEMS LESS THAN \$5.0M (AV) (BK5289)			2677		3163		5778
112	ITEMS LESS THAN \$5M (SURVEYING EQUIPMENT) (BL5300)							631
	<i>SUB-ACTIVITY TOTAL</i>			<u>3,165</u>		<u>4,668</u>		<u>9,096</u>
	<i>ELECT EQUIP - SUPPORT</i>							
113	PRODUCTION BASE SUPPORT (C-E) (BF5400)			2839		370		419
	<i>SUB-ACTIVITY TOTAL</i>			<u>2,839</u>		<u>370</u>		<u>419</u>
	ACTIVITY TOTAL			<u>1,882,316</u>		<u>2,253,214</u>		<u>2,008,214</u>

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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)										
Terminal Modernization	292.9									
Wideband Gapfiller Satellite (WGS)			18.7							
AN/GSC-52 Modernization	91.4	25.4	23.5							
Total	384.3	25.4	42.2							
MOD OF IN-SVC EQUIP (TAC SAT) (BB8417)										
SECOMP-I	267.0	1.5	2.5							
Total	267.0	1.5	2.5							
ACUS MOD PROGRAM (BB1600)										
ACUS Area Common User Modernization Plan	730.1	199.9	113.1							
Total	730.1	199.9	113.1							
MOD OF IN-SVC EQUIP (INTEL SPT) (TIARA) (BZ9750)										
Y2K fixes for GR/CS and ARL	7.3									
IBCT-I REMBASS			0.8							
AN/PRD-13(V)2	15.0	0.2								
IBCT - GSR			0.6							
Total	22.3	0.2	1.4							
SENTINEL MODS (WK5057)										
Transmitter Improvements			16.9							
ETRAC Modifications			14.0							
Total			30.9							
MOD OF IN-SVC EQUIP (MMS) (AD3255)										
New Mod			0.9							

Aircraft 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							
MOD OF IN-SVC EQUIP (TAC SURV) (BZ7325)										
AN/TPQ-36(V)8 Electronics Upgrade	109.0	21.4	18.2							
AN/TPQ-36(V)8 Hardware/Software Mods	6.1									
AN/TPQ-37 Fire Support Digitization	2.6	0.9	1.5							
AN/TPQ-37 MAPS Hybrid	0.7	1.0	1.8							
Total	118.4	23.3	21.5							
FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2) (W61900)										
New Mod										
Total										
MOD OF IN-SVC EQUIP, AFATDS (B28620)										
New Mod										
New Mod										
Total										
FAADC2I MODIFICATIONS (AD5090)										
CHS Upgrade	7.8									
Total	7.8									
Grand Total	1529.9	250.3	212.5							

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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							
Gross Cost		4.8	7.5	15.9	13.1							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)		4.8	7.5	15.9	13.1							
Initial Spares												
Total Proc Cost		4.8	7.5	15.9	13.1							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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 (clear weather). 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. 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 30 platforms. The BCIS program has been approved for Low Rate Initial Production (LRIP) to field to the Army's 4th Infantry Division (4ID). MSIII is scheduled for 3QFY02. 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:

FY 02/03 procures BCIS interrogator/transponder and transponder-only variants to support fielding to the 1st Brigade of the Army's 4ID. The BCIS is an integral component to the Brigade Combat Teams under the Army's transformation strategy and of the Army's initiative to digitize the battlefield. The identification of friendly forces on future battlefields will be more complex due to the highly mobile, dispersed, non-linear formations found in unconventional warfare. Participation with coalition forces further complicates combat identification; friend and foe may use identical vehicles. 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.

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: June 2001		
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		3251	46	71	5498	164	34	6064	167	36			
A-Kits					2520	210	12	2004	167	12			
2. Government Project Management		1161			1489			1492					
3. System Test and Evaluation		1455			1635								
4. Engineering Change Orders (ECO)		673			2397			1802					
5. Technical Data		114			241								
6. Fielding/Installation		881			1362			1509					
7. Training Devices					806			276					
Total		7535			15948			13147					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 Dominguez Hills, CA	SS/Other*	CECOM, Ft. Monmouth, NJ	Mar-00	Jan-01	46	71	Yes	NA	Dec-99
FY 2001	TRW Dominguez Hills, CA	SS/Other	CECOM, Ft. Monmouth, NJ	Mar-01	May-02	164	34			
FY 2002	TRW Dominguez Hills, CA	SS/Other	CECOM, Ft. Monmouth, NJ	Mar-02	Feb-03	167	36			

REMARKS: Additional 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. A sole source award was made to TRW because they were the only responsible source available. A multi-year contract was awarded because it was found to be the most efficient type contract to implement from the results of a cost benefit analysis done by PM Combat Identification.

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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							
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)	62.8	3.1	5.1	5.5	5.6							
Initial Spares												
Total Proc Cost	62.8	3.1	5.1	5.5	5.6							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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 Force (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.

Justification:

The FY02/03 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: June 2001			
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
(JCSE)			5097			5461			5594					
Total			5097			5461			5594					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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:

June 2001

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	2241.6	95.1	68.2	70.8	99.4							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	2241.6	95.1	68.2	70.8	99.4							
Initial Spares												
Total Proc Cost	2241.6	95.1	68.2	70.8	99.4							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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.

Justification:

FY02/FY03 funds support 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).

FY02/03 Jam Resistant Secure Communication (JRSC) funds will provide for the hardware and support for the Wideband Anti-Jam Modem System (WAMS). FY02/03 Mod 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. FY02/03 DSCS Operations Control System (DOCS) funds initial quantities of the Integrated Monitoring & Power Control Sub System (IMPCS), the Gapfiller Satellite Configuration Control Element (GSCCE) programs, as well as software changes/modifications to DOCS subsystems to accommodate the WGS program. FY02/03 Digital Equipment funds will provide for continued fabrication of racks and components and their integrations into DSCS. FY02/03 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: June 2001			
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)			10372			10077			10450					
DSCS-INTERCONNECT FACILITY(SPACE)			10052			9821			10714					
DSCS-JAM RESISTANT SECURE COMM(SPACE)			14078			8781			6258					
DSCS-OPERATIONS CONTROL SYSTEMS(SPACE)			16745			16737			29840					
DSCS-MOD OF IN-SERVICE EQUIP(SPACE)			16947			25421			42158					
Total			68194			70837			99420					

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	8.8	6.3							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	360.3	14.1	14.1	8.8	6.3							
Initial Spares												
Total Proc Cost	360.3	14.1	14.1	8.8	6.3							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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:

FY02/03 funds provide for the hardware 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: June 2001			
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
WAMS HARDWARE														
WAMS IMPCS ECP						6217								
Integrated Monitoring & Power Control Subsystem (IMPCS) S/W			10479											
MIDAS Implementation			750											
System Simulators									1868					
System Interoperability			1527						1576					
IOTE														
Government/Contractor Engineering						1474			1824					
PM Admin			1322			1090			990					
Total			14078			8781			6258					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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										

REMARKS: Basic contract will be awarded Oct 01 with funds from terminated UMS contract.
MIDAS - Multiplexer Integration & Digital Communications Satellite Subsystem (DCSS) Automation System

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	25.4	42.2							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	335.5	31.9	16.9	25.4	42.2							
Initial Spares												
Total Proc Cost	335.5	31.9	16.9	25.4	42.2							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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. This system supports the Legacy Transition Path of the Transformation Campaign Plan (TCP).

Justification:

FY02 & FY03 funds are required to procure 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). For the WGS, Mar 02 funds are required to procure 2 of 6 Ka Band terminals and FY03 funds are required to procure 3 of 6 Ka Band terminals.

Exhibit P-40M, Budget Item Justification Sheet

Date:

June 2001

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
Terminal Modernization											
1-89-07-0005		292.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	292.9
Wideband Gapfiller Satellite (WGS)											
0-00-00-0000		0.0	0.0	18.7	0.0	0.0	0.0	0.0	0.0	0.0	18.7
AN/GSC-52 Modernization											
1-89-07-0030		91.4	25.4	23.5	0.0	0.0	0.0	0.0	0.0	0.0	140.3
Totals		384.3	25.4	42.2	0.0	0.0	0.0	0.0	0.0	0.0	451.9

INDIVIDUAL MODIFICATION

Date: June 2001

MODIFICATION TITLE: Terminal Modernization [MOD 1] 1-89-07-0005

MODELS OF SYSTEM AFFECTED: AN/FSC-78/79, AN/GSC-39, and AN/TSC-86

DESCRIPTION/JUSTIFICATION:

The AN/FSC-78/79 Heavy Terminal (HT), and AN/GSC-39 Medium Terminal (MT) began operation in the mid-70's & have surpassed their 15 year design life. The original systems were fielded with a required Mean Time Between Failures (MTBF) of 1,000 hours. Due to aging, the MTBF degraded significantly. The Terminal Mod program eliminates system obsolescence and enables the terminals to achieve the required 1,000 hours MTBF. The contract was awarded in Mar 92 for this modernization effort, which provides for upgrading of aging electronics in HT/MT satellite earth terminals so all Defense Satellite Communications Systems (DSCS) Super High Frequency (SHF) strategic earth terminals will use common electronics & logistics support. The result extends the life of the terminals for another 15 years, enhances operational readiness, reduces training & logistics support, conserves energy & improves maintainability. This Tri-Service DOD Program was approved in the FY91-95 DSCS Program Plan, Jun 89.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

No specific HT/MT Acquisitions in FY01.

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	52																			
Outputs	52																			

	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																		

METHOD OF IMPLEMENTATION:	MWO	ADMINISTRATIVE LEADTIME:	5 Months	PRODUCTION LEADTIME:	15 Months
Contract Dates:	FY 2002 FY 1997	FY 2003 FY 1998		FY 2004 FY 1999	
Delivery Date:	FY 2002 FY 1997	FY 2003 FY 1998		FY 2004 FY 1999	

INDIVIDUAL MODIFICATION

Date: June 2001

MODIFICATION TITLE (Cont): Terminal Modernization [MOD 1] 1-89-07-0005

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	\$
FINANCIAL PLAN: (\$ in Millions)																				
--																				
Reprogram to Higher Army Priorities		3.4																		3.4
PROCUREMENT																				
Equipment		150.2																		150.2
Equipment (nonrecurring)		16.7																		16.7
Installation Kits (recurring)	52	10.7																		10.7
Installation Kits (nonrecurring)		5.4																		5.4
Engineering Change Orders		7.4																		7.4
Data		12.2																		12.2
Training Equipment		6.6																		6.6
Support Equipment		0.5																		0.5
GFE		6.3																		6.3
Project Mgmt Admin		6.3																		6.3
Fielding		5.0																		5.0
Interim Contractor Support		8.5																		8.5
Gov't/Contr Support		23.8																		23.8
Installation of Hardware																				
FY 1996 & Prior Eqpt -- Kits	52	29.9																		29.9
FY 1997 Eqpt -- Kits																				
FY 1998 Equip -- Kits																				
FY 1999 Equip -- Kits																				
FY 2000 Equip -- Kits																				
FY 2001 Equip -- Kits																				
FY 2002 Equip -- Kits																				
FY 2003 Equip -- Kits																				
(FY(TC) Eqp (xx Kits)																				
Total Installment	52	29.9		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		29.9
Total Procurement Cost		292.9		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		292.9

INDIVIDUAL MODIFICATION

Date: June 2001

MODIFICATION TITLE: Wideband Gapfiller Satellite (WGS) [MOD 2] 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).

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FY02 & FY03 funding is required to procure a new suite of Ka and family of communication terminals.

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																						
Outputs																						

METHOD OF IMPLEMENTATION:	N/A	ADMINISTRATIVE LEADTIME:	6 Months	PRODUCTION LEADTIME:	14 Months
Contract Dates:	FY 2002 Mar 02	FY 2003 Mar 03		FY 2004 Mar 04	
Delivery Date:	FY 2002 Jun 03	FY 2003 Jun 04		FY 2004 Jun 05	

INDIVIDUAL MODIFICATION

Date: June 2001

MODIFICATION TITLE (Cont): Wideband Gapfiller Satellite (WGS) [MOD 2] 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	\$	
	--																				
--																					
Non-Recurring						1.3															1.3
Hardware					2	11.4															11.4
Data						2.1															2.1
Test						1.9															1.9
Training																					
Total Pkg Fld						0.1															0.1
Interim Contractor Support																					
Govt/Contr Support						1.9															1.9
--																					
--																					
--																					
FY 2003																					
FY 2004																					
FY 2005																					
--																					
--																					
--																					
--																					
--																					
--																					
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		18.7		0.0		0.0		0.0		0.0		0.0		0.0		0.0	18.7

INDIVIDUAL MODIFICATION

Date: June 2001

MODIFICATION TITLE: AN/GSC-52 Modernization [MOD 3] 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. FY02 funds continue the acquisition of AN/GSC-52 installation kits and continue the procurement of common components.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FY02 & FY03 funds are required to continue the acquisition of AN/GSC-52 installation kits and continue the acquisition of common components. AN/GSC-52 Terminal Installations start in 2QTR of FY03.

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												
Outputs				2	1	2	2	2												

	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																		

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: June 2001

MODIFICATION TITLE (Cont): AN/GSC-52 Modernization [MOD 3] 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																			5.2
Installation Kits (Recur)																					
- Fixed	16	11.6	2	2.6	7	4.6															18.8
- Vanized	2	1.9	4	5.1																	7.0
Non-Recurring Engineering		5.9																			5.9
Engineering Change Orders		4.8		0.5																	5.3
Antenna Modernization		4.1																			4.1
Data/Documentation		3.6																			3.6
Testing		1.6		1.5																	3.1
Training				0.5		0.3															0.8
Total Package Fld(TPF)		0.8		2.0		2.0															4.8
Interim Contractor Support (ICS)		0.4		1.0		1.5															2.9
Project Mgmt Admin		1.2		0.8		0.8															2.8
Government Support		9.8		3.6		3.6															17.0
Software Development/PPSS		8.1				1.0															9.1
CMA Retrofit		0.2	18	2.5	10	1.1															3.8
Retrofit Hardware		0.8		2.9		3.0															6.7
Installation of Hardware																					
FY 1998			3	2.4																	2.4
FY 1999					7	5.6															5.6
FY 2000																					
FY 2001																					
FY 2002																					
FY 2003																					
Total Installment		0.0	3	2.4	7	5.6		0.0		0.0		0.0		0.0		0.0		0.0		0.0	8.0
Total Procurement Cost		91.4		25.4		23.5		0.0		0.0		0.0		0.0		0.0		0.0		0.0	140.3

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	10.1	10.5							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	467.6	11.3	10.4	10.1	10.5							
Initial Spares												
Total Proc Cost	467.6	11.3	10.4	10.1	10.5							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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

Justification:

FY02/03 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. FY02/03 also procures the baseband equipment necessary to support the Wideband Gapfiller Satellite Program. This system provides wideband communications to the warfighter during all levels of conflict.

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: June 2001		
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	3108	47	66	2944	42	71	3248	50	65			
8-PSK Modem (BEM)		522	29	18									
GapFiller Baseband Equipment								3000	3	1000			
Contractor Engineering		257			239			400					
Government Engineering		1035			1107			1002					
Program Management Admin		750			793			800					
Documentation/Configuration Management		500			500			500					
Implementation (MIDAS)		1000			1000			500					
Site Preparation/Design (MIDAS)		1000			1000			1000					
8-PSK Modem (BEM) DFCS Interface		200			100								
IMPCS Software		2000			2394								
Total		10372			10077			10450					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	TYAD Tobyhanna, PA	WR	CECOM	Nov-99	Dec-99	47	66	Yes		
FY 2001	TYAD Tobyhanna, PA	WR	CECOM	Nov-00	Dec-00	42	71	Yes		
FY 2002	TYAD Tobyhanna, PA	WR	CECOM	Nov-01	Dec-01	50	65	Yes		
8-PSK Modem (BEM)										
FY 2000	Comtech, Inc. Tempe, AZ	C/FFP Opt	CECOM	Mar-00	Feb-01	29	18	Yes		
GapFiller Baseband Equipment										
FY 2002	To Be Selected	C/FFP	To Be Selected	Mar-02	Jan-03	3	1000	Yes		

REMARKS: WR = WORK REQUEST
 TYAD = TOBYHANNA ARMY DEPOT
 PSK = PHASE SHIFT KEYING
 BEM = BANDWIDTH EFFICIENT MODEM
 MIDAS = MULTIPLEXER INTEGRATION & DCSS AUTOMATION SYSTEM
 MIDAS sites are each configured differently.
 IMPCS = Integrated Monitoring Power Control System

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	9.8	10.7							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	120.6	10.6	10.1	9.8	10.7							
Initial Spares												
Total Proc Cost	120.6	10.6	10.1	9.8	10.7							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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:

FY02/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: June 2001		
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
TERMINAL INSTALLATIONS		900			1300			1500					
ENGINEERING/TEST		2191			2090			2200					
DEACTIVATION/RELOCATION		1800			1500			1500					
INTERCONNECT FACILITY UPGRADES		600			200			200					
DCSS INSTALLATIONS		250			200			200					
NON-RECURRING ENG		2000			2258			2579					
BILL OF MATERIEL SYSTEM		487			504			635					
PROJECT MGT ADMIN		1024			919			900					
GOVERNMENT SUPPORT		800			850			1000					
Total		10052			9821			10714					

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	16.7	29.8							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	482.0	27.1	16.7	16.7	29.8							
Initial Spares												
Total Proc Cost	482.0	27.1	16.7	16.7	29.8							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The Defense Satellite Communications System (DSCS) Operations Control System (DOCS) provides for the management of DSCS & Wideband Gapfiller earth terminal and satellite resources which is 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:

FY02/FY03 funds procure the following: FY02 funds for quantities of the Integrated Monitoring & Power Control System (IMPCS) and the Gapfiller Satellite Configuration Control Element (GSCCE) programs, as well as software changes / modifications to DOCS subsystems to accommodate the Wideband Gapfiller Satellite (WGS) program. IMPCS is required to provide automatic power control of Frequency Division Multiple Access (FDMA) links. This allows operation of FDMA links with reduced power margins without sacrificing link quality. The net result is more communications capabilities for the warfighter. IMPCS will also provide advanced spectrum monitoring capabilities for Ka Band to support Wideband Gapfiller, as well as C and Ku bands to support Tri-Band requirements. GSCCE is required to provide real-time monitoring and control of the Wideband Gapfiller satellite's communications payload. Software changes / modifications to DOCS subsystems are required to accommodate the WGS program.

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

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:

FY02 also funds annualized engineering, matrix, system integration, post production software support, and fielding support of current and prior year procurements.

FY03 funds the remaining quantities for the IMPCS program and procures servers to house the Common Network Planning Software (CNPS). 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: June 2001		
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:													
RBATSON		1010	7	144									
IMPCS		1014	8	127				6621	55	120			
GSCCE								9170	4	2293			
CNPS Hardware													
SOFTWARE		6283			4706			7047					
TEST		531						220					
ECPs					4819			199					
Government Engineering		1257			2177			1872					
Contractor Engineering		1398			1261			1186					
System Integration		1454			2771			1554					
Documentation		2936						188					
Fielding		200			200			654					
PM Admin		662			803			1129					
Total		16745			16737			29840					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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
RBATSON FY 2000	ITT Industries Colorado Springs, CO	C/FP(Opt)	CECOM	MAR 00	NOV 01	7	144	Yes		0
IMPCS FY 2000	ITT Industries Colorado Springs, CO	C/FP	CECOM	JUN 00	MAR 03	8	127	Yes		0
FY 2002	ITT Industries Colorado Springs, CO	C/FP (Opt)	CECOM	MAR 02	MAR 03	55	120	Yes		0
GSCCE FY 2002	Boeing Satellite Systems Los Angeles, CA	C/FP (Opt)	AIR FORCE	DEC 01	JUL 03	4	2293	Yes		0
CNPS Hardware										

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	27.7	17.0							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	28.5	25.0	15.3	27.7	17.0							
Initial Spares												
Total Proc Cost	28.5	25.0	15.3	27.7	17.0							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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. The STAR-T was to provide range extension for Tri-Service Tactical Communications (TRI-TAC) systems at Echelons Above Corps (EAC). The requirement for a Super High Frequency multi-band terminal to replace the AN/TSC -85/93 terminals currently in use is still valid. The Military Satellite Communications (MILSATCOM) Program Office is pursuing a new procurement initiative to fulfill this requirement. Over the past few years, contractors have been independently building tri-band capabilities. The Army plans to leverage this capability to reduce risk and to shorten the acquisition cycle. The new procurement initiative will incrementally achieve requirements via a "block" procurement approach, ultimately incorporating full tri-band (X, C, Ku) Ka-Band, and switching capabilities.

Justification:

FY02 funds will be used procure 8 SHF tactical terminals with Ka capability.

Since the contract termination was done close to the budget due date, the Army is exploring several alternatives to fulfill this requirement. If the approved alternative significantly deviates from this budget request, the Army will request approval from OSD (Comptroller), OMB, and Congress as appropriate.

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: June 2001		
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							11600	8	1450			
NRE								2951					
TNMI		2018											
GFE		3131					369						
ECP							1487						
Contractor Support		1041					4603						
Government Engineering		1042					1943						
Government Program Management		1892					3960						
Test		3901											
HW/SW Integration		525					4921						
Fielding		390					461						
IBCT		1400											
Digitization Support							9999						
Note: FY01 funding will be utilized to fund FY02 Internal costs to maximize FY02 funding available to procure hardware													
Total		15340			27743			16951					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2002	TBD	C/FP	CECOM	FEB 02	SEP 04	8	1450	No		SEP 01

REMARKS: 30 month lead time for the initial buy is due to full integration of 2-way military Ka Band capability. Subsequent buys will have shorter production lead times.

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	77.8	2.9	6.5	16.9	12.6							
Initial Spares												
Total Proc Cost	77.8	2.9	6.5	16.9	12.6							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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

Justification:

FY02/03 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: June 2001			
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			4063	162	25	9179	366	25						
Engineering Support														
Contractor Engineering			100			405			556					
Government Engineering			180			280			355					
Government Program Mgmt			217			383			410					
ECPS									8014					
Test			220			250			340					
Fielding			1739			2798			2965					
2nd IBCT						3650								
Total			6519			16945			12640					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	Raytheon Sys Co. Largo, FL	SS/FP	CECOM	Jun-00	Apr-01	162	25	YES		
FY 2001	Raytheon Sys Co. Largo, FL	SS/OPT	CECOM	Jan-01	Jul-01	366	25	YES		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	39692			8049	3092							
Gross Cost	229.5	8.0	6.5	21.7	20.8							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	229.5	8.0	6.5	21.7	20.8							
Initial Spares												
Total Proc Cost	229.5	8.0	6.5	21.7	20.8							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The Navstar Global Positioning System (GPS) is a passive space based radio positioning and navigation system that provides position, velocity and time information to a user in three dimensions to 16 meters Spherical Error Probable (SEP). GPS User Equipment (UE) is a family of receivers that meet DoD requirements for Selective Availability and Anti-Spoofing, provides the users with Precise Positioning Service (PPS), and is designed to accommodate the differing dynamic user environments to include handheld as well as host platforms. The Army acquisition strategy is to procure a mix of Non-Developmental Item (NDI) equipment that will satisfy all user/platform requirements while enforcing standardization in accordance with DoD policy. Current Army GPS UE includes the Miniaturized Airborne GPS Receiver (MAGR), (NDI 5-channel set for Signal Warfare aircraft); the Precision Lightweight GPS Receiver (PLGR), (NDI receiver for ground users and host vehicles); and the Stand Alone Air GPS Receiver (SAGR) and the Cargo Utility GPS Receiver (CUGR), (satisfies Army requirements for low dynamic Army aviation in the non-modernized fleet). Future Army GPS UE will include the Defense Advanced GPS Receiver (DAGR) (handheld); Miniaturized Airborne GPS Receiver 2000 (MAGR 2000); GPS Receiver Applications Module (GRAM) (embedded); and GPS/Inertial Navigation System (GPS/INS) (GPS with INS back-up). All new UE is scheduled for fielding to the Army during FY02-FY10 timeframe and will include significant anti-jam and anti-spoof capabilities as a result of the ongoing Navigation Warfare (NAVWAR) Program. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

Justification:

FY02/03 procures the Defense Advanced GPS Receiver which is the replacement receiver for the Precision Lightweight GPS Receiver. Additionally, the FY02 program will fund for the Precision Lightweight GPS Receiver warranty extension which will enable the PLGR to be serviceable until it is replaced by the DAGR.

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: June 2001		
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. Precision Lightweight GPS Receiver					11999	8049	1						
2. Defense Advanced GPS Receiver								7112	3092	2			
PLGR Warranty Extension		433			1084			3636					
Engineering Support:													
Service Support Contracts		2813			3335			3520					
Government In-House		1520			1480			1640					
Integration Engineering		118			132			660					
Test and Evaluation		65			200			660					
Total Package Fielding		100			110			1088					
Technical/Logistics Support		50			240			700					
Program Management Administration		1430			1600			1790					
Multiple Launch Rocket System (MLRS)					876								
Transformation Campaign Plan					600								
Total		6529			21656			20806					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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. Precision Lightweight GPS Receiver FY 2001	Rockwell International Cedar Rapids, IA	FFP/Opt	Warner Robins ALC, GA	Mar 01	Sep 01	8049	1	Yes		
2. Defense Advanced GPS Receiver FY 2002	TBS	FFP/ID/IQ	Los Angeles AFB, CA	Jul 02	Sep 03	3092	2	Yes		

REMARKS: MAGR 2000 is tentatively planned for procurement in FY-04 dependent on platform requirements. The Basic Contract Award was Sep 98 for Navy requirements with Raytheon, El Segundo, CA.

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	56.9	0.9	31.6	21.7							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	105.3	56.9	0.9	31.6	21.7							
Initial Spares	2.4	1.7		5.1	2.6							
Total Proc Cost	107.7	58.6	0.9	36.7	24.3							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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 demonstrated during Operation Desert Storm. 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, UFO and FEP satellites. This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

Justification:

FY02/FY03 - Funding procures 20 terminals in FY02, supports fielding, logistics, and training for prior year procurements and completes MILSTAR Voice Conferencing Capability for the White House Communications Agency (WHCA).

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: June 2001		
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 (Note 1)					25480	49	520	10400	20	520			
Engineering Support		248						4077					
Milstar Voice Conferencing Support					3800								
Data					70								
System Project Mgmt/Gov't (Note 2)		450			1197			4823					
System Test & Evaluation					801								
ECPs													
GFE													
Fielding		226			213			2404					
.													
.													
Notes:													
1. Contract Terminal Cost element													
includes 8 WHCA terminals in FY01.													
2. The FY99 DAMA termination funds have													
been utilized to fund FY00/01 internal													
costs.													
Total		924			31561			21704					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 1999	Raytheon Marlborough, MA	C/OPT	CECOM	Jan 99	Jun 01	45	621	Yes		
FY 2001	Raytheon Marlborough, MA	SS/FP	CECOM	Dec 01	Jun 03	49	520	Yes		
FY 2002	Raytheon Marlborough, MA	SS/FP	CECOM	Dec 01	Jun 03	20	520	Yes		

REMARKS: 1) No terminals procured in FY00 or FY01.
2) FY01 terminals to be procured in 1QFY02 after successful FOTE.
3) 20 terminals to be procured in FY02.

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	48.1	4.7	5.0	4.2	3.6							
Initial Spares												
Total Proc Cost	48.1	4.7	5.0	4.2	3.6							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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

Justification:

FY02/03 complete fielding efforts, Contractor Technical Services Options, Warranty Review Board efforts, Joint Intersegment Interoperability Tests and Fielding Modifications.

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: June 2001			
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														
Limited User Test MODs			1948											
Fielding MODs									500					
Engineering Support			289			716			100					
System Project Mgmt Gov't			776			769			682					
System Test						297			260					
Fielding			1498			2408			2020					
Milstar Voice Conferencing			500											
Total			5011			4190			3562					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / COMMUNICATIONS AND ELECTRONICS EQUIPMENT		Weapon System Type:			P-1 Line Item Nomenclature: SCAMP (SPACE) (BC4003)					
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 2000	Rockwell Collins, Inc. Richardson, TX	C/FP	CECOM	Dec-99	Feb-01	2	196	YES		

REMARKS: Multi-Service Procurement of a total of 529 SCAMP BLK I
 -Army = 346
 -USAF = 154
 -JCSE = 8
 -Army INSCOM = 6
 -Navy = 13
 -WHCA = 2

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	7.3	5.8	10.9	4.2	7.0							
Initial Spares												
Total Proc Cost	7.3	5.8	10.9	4.2	7.0							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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 1 meter 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 be designed to 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 system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

Justification:

FY02/03 funds procure 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: June 2001		
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		860	10	86				1827	21	87			
Enhanced Receive Suites		432	4	108				555	5	111			
Theater Injection Point (TIP)		3581	1	3581									
ECO		1502			187			289					
GFE		64			32			165					
Government Engineering		1261			1349			1540					
Government Program Management		790			801			768					
Support Equipment		197			213			230					
Integration and Connectivity		290			134			180					
Test		645			1205			290					
Contractor Logistics Support		946			98			157					
Fielding		305			196			968					
Total		10873			4215			6969					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	Raytheon Reston, VA	C/OPT	LA AFB, CA	Aug 00	Jul 01	10	86	Yes		
FY 2002	Raytheon Reston, VA	C/OPT	Hanscom AFB, MA	Jan 02	Aug 02	21	87			
Enhanced Receive Suites										
FY 2000	Raytheon Reston, VA	C/OPT	LA AFB, CA	Aug 00	Jul 01	4	108	Yes		
FY 2002	Raytheon Reston, VA	C/OPT	Hanscom AFB, MA	Jan 02	Aug 02	5	111			
Theater Injection Point (TIP)										
FY 2000	ITT Colorado Springs, CO	C/OPT	LA AFB, CA	Aug 00	Nov 01	1	3581	Yes		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	259.6	6.9	0.5	1.5	2.5							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	259.6	6.9	0.5	1.5	2.5							
Initial Spares												
Total Proc Cost	259.6	6.9	0.5	1.5	2.5							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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

Justification:

The FY02/03 funds procure Secure Enroute Communications Package - Improved (SECOMP-I) systems. LRIP systems procured in FY02 will be tested in FY03. Following the completion of test, 3 Full Rate Productions systems will be procured in FY03. 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: June 2001

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.

FY02/03 funds will be used to procure and test 3 LRIP SECOMP-I's. FY03 funds will also be used to procure 3 Full Rate Production systems. SECOMP-I is a lightweight, highly compact, communications system designed to easily roll on and off aircraft and utilizes existing radios. The system is designed for the use of Corps/Joint Task Force (JTF)/Army commanders and staff while deploying to a theater of operations on-board aircraft or while dismounted for ground operations. It provides long range, beyond line of sight and Very High Frequency secure voice and data for C4I. The estimated system life is 15 years.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

The SECOMP system is currently operational as a non standard Army system. Based upon the users positive evaluation/feedback of the system, the Army has decided to produce SECOMP-I systems. A Milestone C LRIP Decision is scheduled for 1st Quarter FY02 and a Milestone C Full Rate Production Decision is scheduled for 3rd Quarter FY03.

- 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 7 months with government providing certain items as GFE. 12 month leadtime required for all buys after 02.

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																		

METHOD OF IMPLEMENTATION:	Contractor	ADMINISTRATIVE LEADTIME:	4 Months	PRODUCTION LEADTIME:	12 Months
Contract Dates:	FY 2002 11-30-01	FY 2003 06-15-03		FY 2004 02-01-04	
Delivery Date:	FY 2002 06-30-02	FY 2003 06-15-04		FY 2004 02-01-05	

INDIVIDUAL MODIFICATION

Date: June 2001

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	44	211.0	2	1.0	1	1.0														213.0
System Project Mgmt-Gov't		32.0		0.3		1.2														33.5
Test and Evaluation		11.0		0.2		0.3														11.5
Fielding		13.0																		13.0
--																				
Note: FY00 and prior year programs complete. FY01 initiates SECOMP-I program.																				
--																				
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		267.0		1.5		2.5		0.0		0.0		0.0		0.0		0.0		0.0		271.0

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	99.5	20.4	13.2	10.2	8.6							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	99.5	20.4	13.2	10.2	8.6							
Initial Spares												
Total Proc Cost	99.5	20.4	13.2	10.2	8.6							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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). FY01 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:

FY02 and FY03 funds continue 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.

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: June 2001		
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		972	4	243	500	2	250	532	2	266			
LAN/WAN Servers		2332	53	44	540	12	45	552	12	46			
Workstations/Laptops		815	163	5	685	137	5	555	111	5			
Bill of Material (BOM)*		354			220			160					
Software Licenses		435			190			100					
S/W Support - Fielding (Lockheed-Martin)		2602			4279			4027					
Fielding (Wang/FCBS)		1042			200								
First Digitized Division/Corps		250											
PMO Fielding Support		2332			2150			1247					
GCCS-A Training Support		1314			990			1019					
Engineering Software Support Center		405			350			350					
Central Test Support Facility (CTSF)		50			80			80					
USFK GCCS Server Upgrade*		304											
Total		13207			10184			8622					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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		
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		
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		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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												
Gross Cost	589.4	47.6	53.0	80.8	46.3							
Less PY Adv Proc	0.0	0.0	0.0	0.0	0.0							
Plus CY Adv Proc												
Net Proc (P-1)	589.4	47.6	53.0	80.8	46.3							
Initial Spares												
Total Proc Cost	589.4	47.6	53.0	80.8	46.3							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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. 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 the avoidance of future NCS builds, 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: FY02 funding will allow the Army to procure 713 additional EPLRS Radio Sets (RSs) and continue the fielding of prior year hardware procurements to the 2nd Brigade Combat Team (BCT), 1st Cavalry (CAV), Training Base and 3rd Armored Cavalry Regiment (ACR). FY03 funding will allow the Army to procure 2050 additional EPLRS RSs and continue the fielding of prior year hardware procurements to the 3rd Army Transformation Brigade, III Corps and 82nd Airborne. FY02 - FY03 funding will also provide New Equipment Training (NET), kit procurement and installation of the Army Prepositioned Stock (APS-3, APS-5), integration, Engineering Change Orders (ECOs), life cycle software engineering and program management support.

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: June 2001		
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
Enhanced Position Location Reporting System (EPLRS)													
*													
EPUU RT		17784	865	21	32674	1130	29	21918	713	31			
ENM					206	6	34	1222	35	35			
Other Hardware		9429			6612			4755					
Government Engineering		4343			6676			4289					
Engineering Change Orders (ECOs)		250			200			1275					
Integration/ Upgrades (1), (2)		9660			13483			2989					
Life Cycle Software Engineering		1475			1290			1394					
Tooling, Test Equipment/ Non-Recurring		4441			1649			464					
Project Management Administration		3386			4005			2574					
Total Package Fielding		2113			2363			4525					
ABCS System Eng & Integration Efforts		135						927					
2nd IBCT					11652								
*													
(1) FY00-FY01 includes the NCS downsized initiative.													
(2) FY01 includes \$5.3 million for software upgrades.													
*													
*													
Remarks:													
ENM - EPLRS Net Manager													
EPUU - EPLRS User Unit													
RT - Receiver Transmitter													
Total		53016			80810			46332					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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
EPUU RT										
FY 2000	Raytheon Systems Co Forest, MS	SS/FFP	CECOM	Jan-00	Oct-02	865	21	Yes		
FY 2001	Raytheon Systems Co Forest, MS	SS/FFP	CECOM	Apr-01	Feb-03	1130	29	Yes		
FY 2002	Raytheon Systems Co II Forest, MS	SS/FFP	CECOM	Mar-02	Nov-03	713	31	Yes		

REMARKS: CECOM - Communications Electronics Command

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

Appropriation/Budget Activity/Serial No:
Other Procurement, Army /2/COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 Item Nomenclature
SINGGARS 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	215642	6092	959	2902	874							
Gross Cost	2981.4	56.1	32.7	51.9	20.7							
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)	2981.4	56.1	32.7	51.9	20.7							
Initial Spares	16.0											
Total Proc Cost	2997.4	56.1	32.7	51.9	20.7							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The Single Channel Ground and Airborne Radio System (SINGGARS) VHF-FM Radio Communications System provides the primary means of command and control for combat/combat support/combat service support units. The SINGGARS radio provides state-of-the-art communications in manpack, vehicle, and airborne configurations. Its Frequency-Hopping and jam resistant capabilities offset current threat jamming techniques. SINGGARS continues its evolutionary development with the fielding of the Advanced SINGGARS System Improvement Program (ASIP) radio. The SINGGARS ASIP radio provides for enhanced data and voice communications while using commercial Internet Protocols. The SINGGARS radio is an essential component of the Tactical Internet enabling commanders to conduct operations on the digitized battlefield. The family of SINGGARS radios is employed on such systems as the Bradley M2A3, PATRIOT, ABRAMS M1A2SEP, and the Longbow Apache. Funding through FY 2006 buys 242,293 of the total requirement of 251,728 radios (96.3%). This system supports the legacy transition path of the Transformation Campaign Plan (TCP).

Justification:

FY 02/03 procures 224 airborne SIP radios for integration into Army digitized aviation platforms which include Kiowa Warrior (OH 58D(SSEP)), Longbow Apache (AH 64D), Medevac (UH 60Q), and Improved Cargo Helicopter (CH 47). FY 02/03 also procures and fields ground ASIP radios for fielding to the Brigade Combat Teams (BCT) and procurement of SINGGARS Test Sets (AN/GRM-122).

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

Appropriation/Budget Activity/Serial No:
Other Procurement, Army /2/COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 Item Nomenclature
SINGGARS - 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	207065	6092	959	2500	650							
Gross Cost	2618.8	56.1	32.7	40.7	14.0							
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)	2618.8	56.1	32.7	40.7	14.0							
Initial Spares	15.0											
Total Proc Cost	2633.9	56.1	32.7	40.7	14.0							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The Single Channel Ground and Airborne Radio System (SINGGARS) VHF-FM Radio Communications System provides the primary means of command and control for combat/combat support/combat service support units. The SINGGARS radio provides state-of-the-art communications in manpack, vehicle, and airborne configurations. Its Frequency-Hopping and jam resistant capabilities offset current threat jamming techniques. SINGGARS continues its evolutionary development with the fielding of the Advanced SINGGARS System Improvement Program (ASIP) radio. The SINGGARS ASIP radio provides for enhanced data and voice communications while using commercial Internet Protocols. The SINGGARS radio is an essential component of the Tactical Internet enabling commanders to conduct operations on the digitized battlefield. The family of SINGGARS radios is employed on such systems as the Bradley M2A3, PATRIOT, ABRAMS M1A2SEP, and the Longbow Apache. Funding through FY 06 buys 233,045 radios (96%) of the 242,480 Army Acquisition Objective. This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

Justification:

FY 02/03 procures and fields ground ASIP radios for high priority National Guard units, Brigade Combat Teams (BCT), and procures SINGGARS 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: June 2001		
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		11535	959	12	18251	2500	7	7218	650	11			
CONTRACTOR ENGINEERING SUPPORT		1743			1128								
ECPS		600											
GOVERNMENT ENGINEERING		2051			868			280					
PROJECT MANAGEMENT ADMINISTRATION		2493			3638								
ABCS SYSTEM ENGINEERING AND INTEGRATION EFFORTS					1541			280					
OTHER HARDWARE		2979			6251			5726					
TEST		775			375								
FIELDING													
NEW EQUIPMENT TRAINING		2640			1160			152					
TPF		7925			6764			348					
2nd IBCT					695								
Total		32741			40671			14004					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	ITT Ft. Wayne, IN	SS/FP	CECOM	Apr 00	Apr 01	959	12	Y		
FY 2001	ITT Ft. Wayne, IN	SS/FP/OP	CECOM	Apr 01	Apr 02	2500	7	Y		
FY 2002	ITT Ft. Wayne, IN	SS/FP/OP	CECOM	Apr 02	Apr 03	650	11	Y		

REMARKS:

FY 03 / 04 BUDGET PRODUCTION SCHEDULE							P-1 Item Nomenclature: SINCGARS - GROUND (B00500)													Date: June 2001										
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
HARDWARE - PRIMARY																														
	1	FY 98 & PR	A	152694	152694	0																							0	
	2	FY 98 & PR	A	54371	54371	0																							0	
	1	FY 99	A	6092	6092	0																							0	
	1	FY 00	A	959	959	0																							0	
	1	FY 01	A	2500	1240	1260	210	210	210	210	210	210																	0	
	1	FY 02	A	650	0	650							50	50	55	55	55	55	55	55	55	55	55	55	55	55	55	55	0	
	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	29346	0																							0	
	1	FY 98 & PR	NA	1782	1782	0																							0	
	2	FY 98 & PR	NA	374	374	0																							0	
	1	FY 99	NA	785	785	0																							0	
	1	FY 98 & PR	NG	8932	8932	0																							0	
	1	FY 99	NG	264	264	0																							0	
	1	FY 00	NG	966	966	0																							0	
	2	FY 98 & PR	OTH	17	17	0																							0	
	1	FY 98	OTH	751	751	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	MFR Number	ADMINLEAD TIME		MFR	TOTAL	REMARKS																			
		MIN.	1-8-5	MAX.			D+	Prior 1 Oct				After 1 Oct	After 1 Oct	After 1 Oct																
1	ITT, Ft. Wayne, IN	160.00	1000.00	1500.00	0	1	INITIAL		2	6	12	18	Note: Facility 1 has adjusted capacity to meet program requirements. Facility 2 is no longer producing radios.																	
							REORDER		2	6	12	18																		
2	GDLS, Tallahassee, FL	550.00	1375.00	1790.00	0	2	INITIAL		2	6	12	18																		
							REORDER		2	6	12	18																		
							INITIAL																							
							REORDER																							
							INITIAL																							
							REORDER																							

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

Appropriation/Budget Activity/Serial No:
Other Procurement, Army /2/COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 Item Nomenclature
SINGGARS - 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	8577			402	224							
Gross Cost	254.3		0.0	11.2	6.7							
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)	254.3		0.0	11.2	6.7							
Initial Spares	0.9											
Total Proc Cost	255.2		0.0	11.2	6.7							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The Single Channel Ground and Airborne Radio System (SINGGARS) VHF-FM Radio Communications System provides the primary means of command and control for combat/combat support/combat service support units. The SINGGARS radio provides state-of-the-art communications in manpack, vehicle, and airborne configurations. Its Frequency-Hopping and jam resistant capabilities offset current threat jamming techniques. SINGGARS continues its evolutionary development with the fielding of the Advanced SINGGARS System Improvement Program (ASIP) radio. The SINGGARS ASIP radio provides for enhanced data and voice communications while using commercial Internet Protocols. The SINGGARS radio is an essential component of the Tactical Internet enabling commanders to conduct operations on the digitized battlefield. The family of SINGGARS radios is employed on such systems as the Bradley M2A3, PATRIOT, ABRAMS M1A2SEP, and the Longbow Apache. The FY 02 funding completes the buy of the Army Acquisition Objective (AAO) of 9,248 radios. This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

Justification:

FY 02 procures 224 airborne SIP radios for integration into Army digitized aviation platforms which include Kiowa warrior (OH 58D(SSEP)), Longbow Apache (AH 64D), Medevac (UH-60Q), and Improved Cargo Helicopter (CH 47).

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: June 2001		
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					9467	402	24	5322	224	24			
HARDWARE KITS													
GOVERNMENT ENGINEERING		3			402			425					
DATA					310								
PROJECT MANAGEMENT ADMINISTRATION					250			275					
FIELDING					181			101					
ENGINEERING SUPPORT					590			560					
Total		3			11200			6683					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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	APR 02	402	24			
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:

June 2001

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							
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)					1.9							
Initial Spares												
Total Proc Cost					1.9							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

Classified Program: Information provided upon request.

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	9.9	1.0	1.0	1.0							
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)	563.4	9.9	1.0	1.0	1.0							
Initial Spares												
Total Proc Cost	563.4	9.9	1.0	1.0	1.0							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

Funding is for CECOM JTACS Systems Branch, and completion of Level II projects. Previously, 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.

Justification:

CECOM/JTACS System Branch Allocation - FY02/03 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:

June 2001

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	113.1							
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)	447.0	137.9	145.3	199.9	113.1							
Initial Spares												
Total Proc Cost	447.0	137.9	145.3	199.9	113.1							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The ACUS MOD PROGRAM line 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:

June 2001

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::

FY02/FY03 supports Army recapitalization efforts through the ACUS MP and provides systems engineering, integration, testing, and the necessary production/contractor engineering support. The ACUS is an area switched communication system that is comprised of the EAC communication network, which evolved from the original TRI-TAC concept and the 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.) FY02/FY03 will support the Army's Transformation Initiatives by inserting new technologies [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).

INDIVIDUAL MODIFICATION

Date: June 2001

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 line 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).

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	3		3			3														
Outputs	1	1				1														

	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																		

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: June 2001

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		7.3														25.3
Installation Kits, Nonrecurring																				
Equipment		585.1		104.0		55.4														744.5
Equipment, Nonrecurring		82.7		4.0		16.7														103.4
Engineering Change Orders		1.6		2.8		1.5														5.9
Data		0.3																		0.3
Training Equipment		5.3		6.9		3.2														15.4
Proj Mgmt Admin/Other		43.8		23.2		20.2														87.2
Other-Spares		7.0		16.4		8.8														32.2
IBCT2				28.9																28.9
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		113.1		0.0		0.0		0.0		0.0		0.0		0.0		1043.1

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	3.4							
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)	160.5	2.1	4.1	7.0	3.4							
Initial Spares												
Total Proc Cost	160.5	2.1	4.1	7.0	3.4							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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 FY02/03 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.

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	19.2	5.1							
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)	1.0	4.5	3.6	19.2	5.1							
Initial Spares												
Total Proc Cost	1.0	4.5	3.6	19.2	5.1							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The Soldier Enhancement Program (SEP) procures Soldier items that support Force XXI and the Transformation Campaign Plan by improving their lethality, survivability, mobility, command and control, and sustainment. The Soldier Intercom (SI), the Observer Controller Communication System (OCCS) and the Integrated Laser White Light Pointer (ILWLP) are three 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 Army continues implementation of the Combat Training Center (CTC) Master Plan to provide a robust, reliable, and supportable Range Communications System (RCS) upgrading the capability to capture and process the annual training data and provide instructive After Action Reviews (AARs). This provides valuable feedback to the unit Commander and Soldiers training at the centers which can be carried back to the unit and used as a basis for follow-on sustainment training. Overall, the CTC experience provides realistic combat training with long-term training benefits, thereby, increasing the unit's combat readiness. The Observer Controller Communications System (OCCS) is part of this implementation. (3) 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 mount conditions. The ILWLP will be mounted on the M16A2, the M4 Carbine, the M16/M4 Modular Weapon System, and the M9 Semi-automatic Pistol.

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

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:

Justification:

The FY02/03 funding continues the procurement of the SI and begins the procurement of the Integrated Laser White Light Pointer. (1) Command and control through radios currently ends at the squad leader level. The SI will extend the ability of the squad leader to disseminate voice informatin to members of the squad by using a small rugged, non-developmental radio. (2) Currently the Observer Controller Communications System has no funding in FY02/03. (3) 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: June 2001		
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	3458	6533	0.529	2970	5586	0.532	4059	7630	0.532			
SI - Platoon Support Package	A	143	302	0.474	179	379	0.472	134	283	0.473			
SI - Company Support Package	A	44	84	0.524	103	71	1.451	145	100	1.450			
Command Assessment	A				912			798					
Hardware - OCCS													
Observer Controller Communications Syste	A				15000	1	15000.000						
Hardware - ILWLP													
Integrated Laser White Light Pointer	A												
Non-Recurring Production Costs - ILWLP													
Production Engineering	A												
Recurring Production Costs - ILWLP													
Program Management	A												
Quality Assurance													
Acceptance Testing													
Engineering Support	A												
Integrated Logistics Support	A												
Safety	A												
Engineering Changes	A												
Fielding	A												
Total		3645			19164			5136					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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		
SI - Platoon Support Package										
FY 2000	ICOM America, Inc Bellevue, WA	GSA Sch	SBCCOM	Dec 99	Jan 00	302	0	Yes		
FY 2001	ICOM America, Inc Bellevue, WA	GSA Sch	SBCCOM	Dec 00	Jan 01	379	0	Yes		
FY 2002	ICOM America, Inc Bellevue, WA	GSA Sch	SBCCOM	Dec 01	Jan 02	283	0	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	1	Yes		
FY 2002	ICOM America, Inc Bellevue, WA	GSA Sch	SBCCOM	Dec 01	Jan 02	100	1	Yes		
Observer Controller Communications System Integrated Laser White Light Pointer	TBD	TBD	NAWC	Jun 01	Oct 02	1	15000	Yes		Mar 01

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

Appropriation/Budget Activity/Serial No:
Other Procurement, Army /2/COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 Item Nomenclature
PRODUCT IMPROVED COMBAT VEHICLE CREWMAN HEADSET (BA5310)

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			14.8									
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)			14.8									
Initial Spares												
Total Proc Cost			14.8									
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The Product Improved Combat Vehicle Crewman (PICVC) Headset is a second generation Active Noise Reduction (ANR) helmet providing speech intelligibility scores of 90% as well as over 10 decibels of greater hearing protection compared to the conventional DH-132 passive helmet. It consists of a headset with a talk-through capability and foam ear cushions, and a single piece microphone boom assembly.

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: PRODUCT IMPROVED COMBAT VEHICLE CREWMAN HEADSET (BA5310)			Weapon System Type:			Date: June 2001		
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 - PICVC Headset	A	14759	13649	1									
Total		14759											

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / COMMUNICATIONS AND ELECTRONICS EQUIPMENT		Weapon System Type:			P-1 Line Item Nomenclature: PRODUCT IMPROVED COMBAT VEHICLE CREWMAN HEADSET (BA5310)					
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 - PICVC Headset FY 2000	Northrup-Grumman Chicago, IL	FFP	CECOM	Feb 00	Jul 00	13649	1	Yes		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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					1000							
Gross Cost	0.5	0.9			12.7							
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)	0.5	0.9			12.7							
Initial Spares												
Total Proc Cost	0.5	0.9			12.7							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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. Funding through FY 2007 procures approximately 47% of the total requirement. Milestone reviews are scheduled for third quarter FY 01 for Low Rate Initial Production (LRIP) and first quarter FY 03 for Full Rate Production. This system supports the Legacy-to-Objective transition path for the Transformation Campaign Plan (TCP).

Justification:

FY 02 will continue Low Rate Initial Production, and FY 03 will initiate Full Rate Production.

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: June 2001			
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									10769	1000	11			
Engineering Change Orders									320					
System Project Management									568					
Government Engineering									221					
Test									50					
Fielding														
New Equipment Training									60					
TPF									732					
Total									12720					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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	Dec 01	Dec 02	1000	11	Y		Apr 01

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	3.6	7.7							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)		7.0	15.7	3.6	7.7							
Initial Spares												
Total Proc Cost		7.0	15.7	3.6	7.7							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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 integrate the Medical Information Systems into the Army Command and Control (C2) and key Combat Service Support structures which are evolving to support Force XXI and the Army transformation into the future. This system supports Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

Justification:

FY02/03 funds will buy hardware infrastructure for a portion of the First Digitized Corps (FDC) at Ft. Hood, TX and two of the Army transformation Brigade Combat Teams (BCTs). MC4 will insert available and emerging technologies into existing platforms to enhance combat medical treatment and care. MC4 will also procure, field and integrate automation infrastructure for Army users of the Joint Theater Medical Information Program (TMIP).

NOTE: Subject to Congressional approval, \$1.2M of the FY01 funding shown above is attributed to the \$200M Congressional increase for 2nd IBCT.

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: June 2001		
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	4259			961			3466					
Division/Corps Support Slice 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	7666			1450			5237					
High Frequency Radios Radio System consisting of: Radio Antenna Computer controller	A	3233	35	92.4									
Antenna*	A	357	46	7.8									
Computer Controller*	A	217	46	4.7									
+++++ Configurations vary by unit/location * Radios (long lead items) for these 46 Radio Systems were procured with FY99 OPA. ** Beginning in FY01 2nd IBCT not reflected in P-Form detail					1200								
Total		15732			3611			8703					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	Panasonic Manassas, VA	C/FP	CAC-W	Jul-01	Sep-01			YES		
FY 2000	Hewlett Packard Palo Alto, CA	C/FP	CAC-W	Jul-01	Sep-01			YES		
FY 2000	HARDIGG South Deerfield, MA	C/FP	CAC-W	Jul-01	Sep-01			YES		
FY 2001	TBS	C/FP	CAC-W	TBD	TBD			YES		
FY 2002	TBS	C/FP	CAC-W	TBD	TBD			YES		
Division/Corps Support Slice										
FY 2000	Panasonic Manassas, VA	C/FP	CAC-W	Jul-00	Sep-00			YES		
FY 2000	Hewlett Packard Palo Alto, CA	C/FP	CAC-W	Jul-00	Sep-00			YES		
FY 2000	HARDIGG South Deerfield, MA	C/FP	CAC-W	Jul-00	Sep-00			YES		
FY 2000	GTSI Chantilly, VA	C/FP	CAC-W	Jul-00	Sep-00			YES		
FY 2001	TBS	C/FP	CAC-W	Jul-01	Sep-01			YES		
FY 2002	TBS	C/FP	CAC-W	TBD	TBD			YES		
High Frequency Radios										
FY 2000	Force 3, Incorporated Crofton, MD	C/FP	GSA, Kansas City, MO	Aug-00	Jan-01	35	92	YES		

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

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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
Antenna* FY 2000	C and S Antennas Sterling, VA	C/FP	CECOM, Ft. Monmouth, NJ	Dec-99	Feb-00	46	8	YES		
Computer Controller* FY 2000	Panasonic Manassas, VA	C/FP	CAC-W	Jan-00	Mar-00	46	5	YES		

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

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	1.7	1.6							
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)	4.7	2.3	1.6	1.7	1.6							
Initial Spares												
Total Proc Cost	4.7	2.3	1.6	1.7	1.6							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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

Justification:

Funding is required to support the development and recapitalization of the Defense Counter-intelligence Integration Information System (DCIIS). Funds will procure DODIIS-compliant Counter-intelligence and Human Intelligence (HUMINT) materiel solutions using migration platforms such as the Migration Defense Intelligence Threat Data System. Funds will be used to procure and support CI/HUMINT Automated Tool Sets (CHATS). Funds will support 21 large sites (MACOMS), 52 medium sites (installations and Force Projection Brigades), and 253 small sites (detachments in support of EAC and EBC organizations).

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	12.2							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	19.5	10.2	11.0	10.9	12.2							
Initial Spares												
Total Proc Cost	19.5	10.2	11.0	10.9	12.2							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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 and the acquisition strategy for AKMS to include type classification standard for LCMS was approved. AKMS is part of the management/support infrastructure for the Area Common User System (ACUS) program, which provides critical functions for supporting Army's digital systems and Force XXI digitization effort. This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

Justification:

FY 02/03 funds will procure Data Transfer Devices (DTDs), continue the fielding of the new workstations and provide for the associated government and contractor engineering support, training and fielding. The DTD will be 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: June 2001		
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
Data Transfer Device		75	10	8	2557	1618	2	7342	4566	2			
Gov't Engineering		928			797			786					
Contractor		941			1050			938					
Fielding/NET Legacy Systems		4100			4600			2000					
Upgrade Workstation		3168	604	5									
Software Upgrade		765			1864			1137					
Test		1013											
Total		10990			10868			12203					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 FY 2000	PARAVANT MELBOURNE, FL	S/FFP	CECOM	May-00	Sep-00	10	8	Yes		
FY 2001	TBS	C/FFP	TBS	Apr-01	TBS	1618	2	Yes		
FY 2002	TBS	FFP/OPT	TBS	Feb-02	TBS	4566	2	Yes		
Upgrade Workstation FY 2000	GTSI CHANTILLY, VA	C/FFP	CECOM	Mar-00	Jun-00	604	5	Yes		

REMARKS: Both the DTD and the upgraded workstation are Commercial Off the Shelf (COTS) items. There is no production leadtime needed before delivery. The delivery schedule for the workstation is being staggered to meet Government fielding schedules.

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	79.2	42.2							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	122.8	34.1	48.6	79.2	42.2							
Initial Spares												
Total Proc Cost	122.8	34.1	48.6	79.2	42.2							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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

Justification:

FY 02/03 funds buy:

Network Security, KG-175, 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. KIV-7HS to 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. The Network Security Improvement Program (NSIP) Provides boundary defenses for unprotected systems within the Army enclave. Ensures an acceptable level of availability by defending against denial of service attacks.

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

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:

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

IDENTIFICATION CODE: A

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: June 2001		
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
KG-175	A	1871	230	8	1871	230	8	2156	265	8			
KIV-7HS	A				3000	826	4	3000	826	4			
SECURE TERMINAL EQUIPMENT	A	8364	2230	4	13552	3388	4	5688	1422	4			
AIRTERM KY-100	A	8620	1549	6	4050	746	5	2066	359	6			
KIV-19	A				4300	1074	4						
PORTABLE UNINTERRUPTIBLE POWER	A	1500											
KG-175 ANCILLARY	A	273	315	1	199	230	1	230	265	1			
KEY MANAGEMENT INFRASTRUCTURE	A	426			2500			900					
NETWORK SECURITY -PERIMETER	A	2410						1050	15	70			
NETWORK SECURITY -IN DEPTH	A							3420	36	95			
Network Security Improvement Program	A	11211			711			711					
FORCE DIGITIZATION	A	2600			9500								
BIOMETRICS	A	5900			12000								
PKI Smart Card Reader	A	1377	37216	0	5194	140388	0	4658	125886	0			
PKI Smart Card Reader Middleware	A				7792	177604	0	5885	125886	0			
PKI Smart Card Reader Installation	A				10301	177604	0	7301	125886	0			
PKI Smart Card Reader Training	A				1161			1161					
PKI Test Bed	A	99	1	99									
PKI DMS NT Workstation	A	426	53	8									
FIELDING	A	3523			3103			4018					
Total		48600			79234			42244					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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
KG-175										
FY 2000	GENERAL DYNAMICS NEEDHAM MA	IDIQ	NSA, FT MEADE, MD	JAN 00	JAN 01	230	8	YES		
FY 2001	GENERAL DYNAMICS NEEDHAM MA	IDIQ	NSA, FT MEADE, MD	JAN 01	JAN 02	230	8	YES		
FY 2002	GENERAL DYNAMICS NEEDHAM MA	IDIQ	NSA, FT MEADE, MD	JAN 02	JAN 03	265	8	YES		
KIV-7HS										
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		
SECURE TERMINAL EQUIPMENT										
FY 2000	L3 CAMDEN, NJ	IDIQ	NSA, FT MEADE, MD	JAN 00	JAN 01	2230	4	YES		
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	1422	4	YES		
AIRTERM KY-100										
FY 2000	TO BE SELECTED	IDIQ	NSA, FT MEADE, MD	APR 01	APR 02	1549	6	YES		
FY 2001	TO BE SELECTED	IDIQ	NSA, FT MEADE, MD	APR 01	APR 02	746	5	YES		
FY 2002	TO BE SELECTED	IDIQ	NSA, FT MEADE, MD	OCT 01	OCT 02	359	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:
June 2001

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
KIV-19 FY 2001	GROUP TECHNOLOGIES CORP TAMPA, FL	IDIQ	NSA, FT MEADE, MD	APR 01	OCT 01	1074	4	YES		
PKI Smart Card Reader FY 2000	TO BE SELECTED	IDIQ	GSA, Washington, DC	APR 01	JUN 01	37216	0	YES		
FY 2001	TO BE SELECTED	IDIQ	GSA, Washington, DC	JUL 01	SEP 01	140388	0	YES		
FY 2002	TO BE SELECTED	IDIQ	GSA, Washington, DC	OCT 01	DEC 01	125886	0	YES		
PKI Smart Card Reader Middleware FY 2001	TO BE SELECTED	IDIQ	GSA, Washington, DC	APR 01	JUN 01	177604	0	YES		
FY 2002	TO BE SELECTED	IDIQ	GSA, Washington, DC	OCT 01	DEC 01	125886	0	YES		
PKI Smart Card Reader Installation FY 2001	TO BE SELECTED	IDIQ	CECOM, Ft Monmouth, NJ	APR 01	JUN 01	177604	0	YES		
FY 2002	TO BE SELECTED	IDIQ	CECOM, Ft Monmouth, NJ	OCT 01	DEC 01	125886	0	YES		
PKI DMS NT Workstation FY 2000	Com Teq Federal Rockville Md	IDIQ	CECOM, Ft Monmouth, NJ	SEP 00	DEC 00	53	8	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:

June 2001

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	239.9	1.9	2.0	2.0	2.0							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	239.9	1.9	2.0	2.0	2.0							
Initial Spares												
Total Proc Cost	239.9	1.9	2.0	2.0	2.0							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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:

FY02 funds 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 EUCOM initiatives.

FY02/03 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 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: June 2001			
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			1014			997			1014					
TERRESTRIAL TRANSMISSION PACIFIC			1006			994			1024					
Total			2020			1991			2038					

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	19.1	1.0	1.0	1.0	1.0							
Initial Spares												
Total Proc Cost	19.1	1.0	1.0	1.0	1.0							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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 Commander-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), Synchronous Optical Network (SONET) and bulk encryption.

Justification:

FY02 funds on-going Project Management and engineering efforts to accomplish the Army unique requirements as defined by 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: June 2001		
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
EUROPE:													
Engineer, Furnish, Install & Test (EFI&T)		255			260			200					
Army Maintenance Supply Facility Support		20			20			50					
Contractor Support		356			185			200					
Project Management		323			332			350					
Engineering Support					130			144					
Depot Support		60			70			70					
Total		1014			997			1014					

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	34.2	0.9	1.0	1.0	1.0							
Initial Spares												
Total Proc Cost	34.2	0.9	1.0	1.0	1.0							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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. 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 Asynchronous Transfer Mode (ATM), Synchronous Optical Network (SONET) and bulk encryption.

Justification:

FY02/03 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 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 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: June 2001		
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:													
Digital Microwave Upgrade	A	200											
Bill of Materiel (BOM) Korea													
Microwave Upgrade Okinawa					660			650					
Engineering Support	A	588			209			239					
Project Management	A	218			125			135					
Total		1006			994			1024					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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
Digital Microwave Upgrade FY 2000	GSA	C/FP	CECOM	VAR	VAR		200			
Microwave Upgrade Okinawa FY 2001	GSA	C/FP	CECOM	Mar-01	Jun-01		660			
FY 2002	GSA	C/FP	CECOM	Jan-02	Apr-02		650			

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	3.2	3.6	4.5	11.7							
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)	162.7	3.2	3.6	4.5	11.7							
Initial Spares												
Total Proc Cost	162.7	3.2	3.6	4.5	11.7							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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-Off-The-Shelf (COTS) 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 during mobilization, deployment and split-base operations 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:

FY02/03 procures upgrades and replacement base support radio systems that are critical to public safety and force protection missions. Army has designated a centralized management office to ensure non-negotiable NTIA deadlines are met both within Continental US (CONUS) and overseas.

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

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:

FY02/03 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: June 2001		
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	1282			1386			1500					
Eighth United States Army Flood Damaged Microwave System Restoral	A	185											
Non-Tactical Trunked Radio System													
-US Forces Command	A	281			379								
-US Training and Doctrine Command	A	1539			1980								
-US Military District of Washington	A	122			570								
-Eighth United States Army	A	143			144								
-Army Wide	A							10239					
Total		3552			4459			11739					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	Techni-Tool, Inc Plymouth Meeting, PA	C/FP	CECOM, Ft Huachuca, AZ	JAN 00	FEB 00			YES	NO	
FY 2000	Premium Technologies Corp Tukwila, WA	C/FP	CECOM, Ft Huachuca, AZ	FEB 00	MAR 00			YES	NO	
FY 2000	Telecommunications Techniques Germantown, MD	C/FP	CECOM, Ft Huachuca, AZ	FEB 00	MAR 00			YES	NO	
FY 2000	Agilent Technologies Englewood, CO	C/FP	CECOM, Ft Huachuca, AZ	VAR	VAR			YES	NO	
FY 2000	Susquehanna Wire Corp New Cumberland, PA	C/FP	CECOM, Ft Huachuca, AZ	MAR 00	APR 00			YES	NO	
FY 2001	Telecommunications Techniques Germantown, MD	C/FP	CECOM, Ft Huachuca, AZ	DEC 00	JAN 01			YES	NO	
FY 2001	TBS	C/FP	CECOM, Ft Huachuca, AZ	VAR	VAR			YES	NO	
FY 2002	TBS	C/FP	CECOM, Ft Huachuca, AZ	VAR	VAR			YES	NO	
Eighth United States Army Flood Damaged Microwave System Restoral										

REMARKS: All quantities and unit cost vary by configuration and site.
 VAR - Multiple contracts awarded/delivered throughout the year.
 C/OPT - Competitive contract with fixed price options.
 CECOM - Communications-Electronics Command
 DOC - Director of Contracting
 GSA - General Services Administration
 PM DCATS - Program Manager, Defense Communications and Transmission System
 USACCK - US Army Contracting Command Korea

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / COMMUNICATIONS AND ELECTRONICS EQUIPMENT		Weapon System Type:			P-1 Line Item Nomenclature: BASE SUPPORT COMMUNICATIONS (BU4160)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2000 . Non-Tactical Trunked Radio System -US Forces Command	PM DCATS	MIPR	Eighth United States Army	AUG 00	SEP 00			YES	NO	
FY 2000	Motorola Hanover, MD	C/OPT	GSA, Atlanta, GA	MAR 00	JUN 00			YES	NO	
FY 2000	Booze Allen Hamilton Atlanta, GA	C/FP	GSA, Atlanta, GA	MAR 00	JUN 00			YES	NO	
FY 2001 -US Training and Doctrine Command	TBS	C/FP	GSA, Atlanta, GA	MAY 01	JUL 01			YES	NO	
FY 2000	SR Communications Associates Springfield, MO	C/FP	Ft Leonard Wood, MO DOC	AUG 00	OCT 00			YES	NO	
FY 2000	Ericsson Inc Springfield, MO	C/FP	Ft Leonard Wood, MO DOC	AUG 00	OCT 00			YES	NO	
FY 2000	Motorola Hanover, MD	C/FP	Ft Bliss DOC	AUG 00	OCT 00			YES	NO	
FY 2001 -US Military District of Washington	TBS	C/FP	CECOM	MAY 01	AUG 01			YES	NO	
FY 2000	Motorola Hanover, MD	C/OPT	GSA,Kansas City, MO	FEB 00	APR 00			YES	NO	
FY 2001	TBS	C/FP	CECOM	MAY 01	JUL 01			YES	NO	

REMARKS: All quantities and unit cost vary by configuration and site.
 VAR - Multiple contracts awarded/delivered throughout the year.
 C/OPT - Competitive contract with fixed price options.
 CECOM - Communications-Electronics Command
 DOC - Director of Contracting
 GSA - General Services Administration
 PM DCATS - Program Manager, Defense Communications and Transmission System
 USACCK - US Army Contracting Command Korea

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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
- Eighth United States Army FY 2000	Motorola Honolulu, HI	C/FP	USACCK	APR 00	JUN 00			YES	NO	
FY 2001	TBS	C/FP	USACCK	MAY 01	JUN 01			YES	NO	
- Army Wide FY 2002	TBS	C/FP	CECOM	VAR	VAR			YES	NO	

REMARKS: All quantities and unit cost vary by configuration and site.
 VAR - Multiple contracts awarded/delivered throughout the year.
 C/OPT - Competitive contract with fixed price options.
 CECOM - Communications-Electronics Command
 DOC - Director of Contracting
 GSA - General Services Administration
 PM DCATS - Program Manager, Defense Communications and Transmission System
 USACCK - US Army Contracting Command Korea

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	4.3	4.9							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	52.1	3.5	3.7	4.3	4.9							
Initial Spares												
Total Proc Cost	52.1	3.5	3.7	4.3	4.9							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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 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:

FY02/03 funds will procure routers, switches, access servers, cache engines, port expansions and upgrades to existing routers 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: June 2001			
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			1818			3744			3924					
ADRP Maint			1350											
Project Management Support			364			290			307					
Engineering Support			152			234			700					
Total			3684			4268			4931					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	OA0 Corp Greenbelt, MD	C/FP	GSA	JAN-00	VAR			YES		
FY 2001	OA0 Corp Greenbelt, MD	C/FP	GSA	JAN-01	VAR			YES		
FY 2002	OA0 Corp Greenbelt, MD	C/FP	GSA	FEB-02	VAR			YES		
ADRP Maint										
FY 2000	OA0 Corp Greenbelt, MD	C/FP	GSA	JAN-00	VAR			YES		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	0.7	0.4	0.4	0.5							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	13.8	0.7	0.4	0.4	0.5							
Initial Spares												
Total Proc Cost	13.8	0.7	0.4	0.4	0.5							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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 FY02/03 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:

June 2001

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							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	95.0	4.0	2.9	2.8	3.0							
Initial Spares												
Total Proc Cost	95.0	4.0	2.9	2.8	3.0							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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 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 minimize 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 Giga-Bit 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:

FY02/03 funds will procure 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 Site R, Fort Detrick and Fort Belvoir; upgrade of timing and synchronization systems and replace obsolete DC power systems.

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	119.2	98.3	85.7	166.7							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	913.1	119.2	98.3	85.7	166.7							
Initial Spares												
Total Proc Cost	913.1	119.2	98.3	85.7	166.7							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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:

FY02/03 funds for the Information Systems (CONUS/Western Hemisphere) program procures upgrades to the Army's telecommunication infrastructure. It includes the Major Army Command (MACOM) Telephone Modernization Program (MTMP), 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 MTMP 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.

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: June 2001			
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)			67006			55593			51706					
Information Systems (EUCOM)			25137			24320			63899					
Information Systems (PACOM)			1058			869			46072					
Information Systems (MCA Support)			5098			4882			5002					
Total			98299			85664			166679					

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	55.2	8.6	5.1	4.9	5.0							
Initial Spares												
Total Proc Cost	55.2	8.6	5.1	4.9	5.0							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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:

FY02/03 funds procure 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. These funds are essential to insure that information systems are installed in synchronization with Corps of Engineer construction schedules. FY02 funds will support Information Systems (IS) requirements for remote switching units for Fort Bragg and Fort Leonard Wood in support of the whole barracks renewal program. The remaining funds will provide IS support to an additional eighty (80) approved MCA projects. FY03 will 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: June 2001			
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
Telephone Switch			2050	2	1025	2000	1	2000	2500	2	1250			
Switch Upgrades			800	43	19	1130	64	18	582	70	8			
Telephone System			433	48	9	400	70	6	500	60	8			
Engineering Svcs			800		800	800		800	800		800			
LAN Transport System			1015	45	23	552	52	11	620	34	18			
Total			5098			4882			5002					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	DSSMP Ft. Monmouth, NJ	C/FP	CECOM	JAN 00	JUL 00	2	1025	YES		
FY 2001	DSSMP Ft. Monmouth, NJ	C/FP	CECOM	JAN 01	JUL 01	1	2000	YES		
FY 2002	DSSMP Ft. Monmouth, NJ	C/FP	CECOM	JAN 02	JUL 02	2	1250	YES		
Switch Upgrades										
FY 2000	General Dynamics Needham, MA	C/FP	GSA	FEB 00	MAY 00	43	19	YES		
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	8	YES		
Telephone System										
FY 2000	General Dynamics Needham, MA	C/FP	GSA	FEB 00	MAY 00	48	9	YES		
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	8	YES		
Engineering Svcs										
FY 2000	Signal Corp Fairfax, VA	C/FP	ISEC-FDEO	FEB 00	MAY 00		800	YES		
FY 2001	Signal Corp Fairfax, VA	C/FP	ISEC-FDEO	FEB 01	MAY 01		800	YES		

REMARKS:

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2002 LAN Transport System	Signal Corp Fairfax, VA	C/FP	ISEC-FDEO	FEB 02	MAY 02		800	YES		
FY 2000	Cabletron Rochester, NY	C/FP	GSA	FEB 00	MAY 00	45	23	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	18	YES		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	79.4	67.0	55.6	51.7							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	594.5	79.4	67.0	55.6	51.7							
Initial Spares												
Total Proc Cost	594.5	79.4	67.0	55.6	51.7							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This budget line includes efforts in support of the Major Army Command (MACOM) Telephone Modernization Program (MTMP) and the European Telephone Switch (ETS) upgrades. MTMP is part of PM 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 ensures the most effective interface with existing public telecommunications networks and optimizes the development of evolving Department of the Army programs.

Justification:

FY02/03 funds will procure modernization of switch systems at several I3MP installations in CONUS. These modernization programs will upgrade the voice communications infrastructure in support of Defense Reform Initiative (DRI), 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: June 2001			
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
MACOM Telephone Modernization Pgm														
Digital Switching System			22227	9	2470	23542	9	2616	46805	20	2340			
Project Management Support			2325			2005			2617					
Engineering Support			1454			1473			1700					
Initial Spares									584	1	584			
Distributed Training Technology (DTT)														
Classrooms (3-18 Students)			19070	90	212	18372	66	278						
Integration, Production & Fielding			13329	90	148	10201	66	155						
Network Equipment			8601	1	8601									
Total			67006			55593			51706					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	DSSMP/TLCS Ft. Monmouth, NJ	C/FP	CECOM	MAR-00	VAR	9	2470	YES		
FY 2001	DSSMP/TLCS Ft. Monmouth, NJ	C/FP	CECOM	JAN-01	VAR	9	2616	YES		
FY 2002	DSSMP/TLCS Ft. Monmouth, NJ	C/FP	CECOM	JAN-02	VAR	20	2340	YES		
Initial Spares										
FY 2002	DSSMP/TLCS Ft. Monmouth, NJ	C/FP	CECOM	JAN-02	VAR	1	584	YES		
Classrooms (3-18 Students)										
FY 2000	Electronic Data Systems Reston, VA	C/FP	GSA	JAN-00	MAR-00	90	212	YES		
FY 2001	Electronic Data Systems Reston, VA	C/FP	GSA	JAN-01	APR-01	66	278	YES		
Integration, Production & Fielding										
FY 2000	Electronic Data Systems Reston, VA	C/FP	GSA	JAN-00	JAN-00	90	148	YES		
FY 2001	Electronic Data Systems Reston, VA	C/FP	GSA	JAN-02	APR-02	66	155	YES		
Network Equipment										
FY 2000	Electronic Data Systems Reston, VA	C/FP	GSA	JAN-00	JAN-00	1	8601	YES		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	21.8	25.1	24.3	63.9							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	151.8	21.8	25.1	24.3	63.9							
Initial Spares												
Total Proc Cost	151.8	21.8	25.1	24.3	63.9							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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. DISN-E replaces existing Army Siemens KNS-4100 switches with state-of-the-art switches.

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:

FY02/03 funds will procure four additional VTC hubs to support HQ, USAREUR mission requirements. FY02 funds will be used for an unclassified VTC hub and a classified VTC hub in the Grafenwoehr area. FY03 funds will be used for an unclassified and a classified VTC hub in the Wiesbaden area.

FY02/03 funds will be used for the Defense Information System Network Europe (DISN-E) telephone switch modernization program and will replace the existing European Telephone Switch (ETS) with state-of-the-art telephone switching network.

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

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:

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.

FY02/03 funds for OCONUS I3MP will engineer, furnish and install backbone campus area networks (CAN) at three sites in FY02 and six sites in FY03 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 doctrines 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 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 Combat Support System-Army (GCSSA), 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: June 2001		
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
Unclassified VTC Hub Kaiserslautern		586	1	586									
Classified VTC Hub Kaiserslautern					425	1	425						
Unclassified VTC Hub Grafenwoehr								484	1	484			
Classified VTC Hub Grafenwoehr								378	1	378			
Unclassified VTC Hub Wiesbaden													
Classified VTC Hub Wiesbaden													
DISN-E Telephone Switch Modernization		21387	15	1426	19507	15	1300	20369	14	1455			
Project Management Support		1516			2663			1969					
Engineering Support		1648			1725			1699					
OCONUS I3MP Installation								33300	3	11100			
OCONUS I3MP Project Support								1800					
OCONUS I3MP Engineering Support								3900					
Total		25137			24320			63899					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / COMMUNICATIONS AND ELECTRONICS EQUIPMENT		Weapon System Type:			P-1 Line Item Nomenclature: INFORMATION SYSTEMS (EUROM) (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
Unclassified VTC Hub Kaiserslautern FY 2000	UNISYS Corp Hanover, MD	OPTION	Wiesbaden, GE	Mar-00	Jul-00	1	586	YES		
Classified VTC Hub Kaiserslautern FY 2001	UNISYS Corp Hanover, MD	OPTION	Wiesbaden, GE	May-01	Jun-01	1	425	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	378	YES		
Unclassified VTC Hub Wiesbaden										
Classified VTC Hub Wiesbaden										
DISN-E Telephone Switch Modernization FY 2000	SIEMENS Vienna, VA	C/FP	CECOM	Apr-00	Feb-01	15	1426	YES		
FY 2001	SIEMENS Vienna, VA	C/FP	CECOM	Feb-01	Dec-01	15	1300	YES		
FY 2002	SIEMENS Vienna, VA	C/FP	CECOM	Apr-02	Nov-02	14	1455	YES		
OCONUS I3MP Installation										

REMARKS:

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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	11100	YES		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	46.1							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	111.6	9.3	1.1	0.9	46.1							
Initial Spares												
Total Proc Cost	111.6	9.3	1.1	0.9	46.1							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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 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. It's 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:

FY02/03 funds procure hardware to expand line capacity. FY02 funds will procure essential hardware to expand the line capacity for Camp Page, Chinhae and Camp Colbern Korean telephone switches in order to meet increased U.S. warfighter demands for service. The upgrades will provide Integrated Services Digital Network (ISDN) capability for indicated KTN switches to accommodate video teleconferencing and the fielding of Secure Telephone Equipment (STE). Additionally, the upgraded switches will operate more efficiently and permit reduced reliance on leased circuitry. FY03 will procure essential hardware to expand the line capacity for Camp Market, Yongsan South 3 and the Far East District Engineer (FEDE), Korea Switch Upgrades. FY02 and 03 funds will support provisioning of new line cabinets to Camp Page, Chinhae, Camp Colbern, Camp Market, Yongsan South 3 and the FEDE Compound.

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

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:

FY02/03 funds for OCONUS I3MP will engineer, furnish and install backbone campus area networks (CAN) at two sites in FY02 and four sites in FY03 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 doctrines 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 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), Globas Combat Support System-Army (GCSSA), 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: June 2001			
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			1058		1058	869		869	896		896			
OCONUS I3MP Installation (Yongsan)									38426		38426			
OCONUS Project Management									2250					
OCONUS Engineer Support									4500					
Total			1058			869			46072					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	General Dynamics Needham, MA	C/FP/OP	CECOM, Ft. Monmouth, NJ	Jul 00	Dec 00		1058	Yes		
FY 2001	General Dynamics Needham, MA	C/FP/OP	CECOM, Ft. Monmouth, NJ	Mar 01	Nov 01		869	Yes		
FY 2002	DSSMP Ft Monmouth, NJ	C/FP/OP	CECOM, Ft. Monmouth, NJ	Mar 02	Nov 02		896	Yes		
OCONUS I3MP Installation (Yongsan)										
FY 2002	DSSMP Ft Monmouth, NJ	C/FP	CECOM, Ft. Monmouth	Apr 02	Dec 02		38426	Yes		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	17.0	19.7	18.5							
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)	196.7	18.6	17.0	19.7	18.5							
Initial Spares												
Total Proc Cost	196.7	18.6	17.0	19.7	18.5							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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:

FY02/03 funds will continue to procure the Tactical Messaging System (TMS) 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-40C, Budget Item Justification Sheet

Date:

June 2001

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:

Hardware/Software Operating System Upgrades will only continue in FY-02 and will provide a smooth transition from HP Unix to NT operating systems at DMS Local Control Centers (LCC) and Area Control Centers (ACC) throughout the Army.

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: June 2001			
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
Engineer, Furnish, Install & Test														
DMS Government Open System														
Interconnection Profile (GOSIP)														
Lotus Notes (UA) e-mail		A	1500	2500	0.6									
Testing, Training, Spares, & FSRs		A	1823			2277			845					
Engineer Installation Teams		A				2102			2186					
H/W & S/W NT Upgrades		A	809			3828			5774					
Salaries		A				1176			1253					
MITRE Engineering Integration Support		A				440			466					
PMO Operations		A				3123			2905					
TDY		A				360			300					
NEXOR Software		A				1500	10000	0.2	900	6000	0.2			
Tactical Message System (TMS)		A	10637	7		1040	1		3834	8				
TMS GFE		A	2189			3877								
TMS unit costs and quantities vary by user configuration requirements														
Total			16958			19723			18463					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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
Lotus Notes (UA) e-mail FY 2000	Lockheed Martin Manassas, VA	C/FP/Optn	USAF	APR-00	VAR	2500	1	Yes		
H/W & S/W NT Upgrades FY 2000	COMTEQ Federal, Inc. Rockville, MD	C/FP	CECOM	SEP-00	OCT-00			Yes		
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	0	Yes		
FY 2002	NEXOR, Inc. Falls Church, VA	C/FP/Optn	CECOM	JAN-02	JUN-02	6000	0	Yes		
Tactical Message System (TMS) FY 2000	General Dynamics Govt Comm Sys Taunton, MA	C/FP	CECOM	JUL-00	FEB-01	7		Yes		
FY 2000	National Security Agency Fort Meade, MD	C/FP	ASC*	JUL-00	FEB-01	7		Yes		
FY 2001	General Dynamics Govt Comm Sys Taunton, MA	C/FP	CECOM	JUL-01	DEC-01	1		Yes		
FY 2002	General Dynamics Govt Comm Sys Taunton, MA	C/FP	CECOM	NOV-01	MAR-02	8		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:

June 2001

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	104.0							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	157.7	17.8	113.9	64.9	104.0							
Initial Spares												
Total Proc Cost	157.7	17.8	113.9	64.9	104.0							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The Local Area Network (LAN) program is comprised of two different efforts; the Common User Installation Transport Network (CUITN) and the Outside Cable Rehabilitation (OSCAR) program. CUITN provides the common user backbone local area network consisting of the electronics and fiber optic cable to interconnect the switches and nodes in the 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-base operations.

Justification:

FY02/03 funds for CUITN will engineer, furnish and install backbone local area networks at 8 sites in FY02 and 10 sites in FY03 at the Minimum Essential Requirements (MER) level on the Installation Sequence List (ISL) (a prioritized list of ordered installations issued by Headquarters, Department of the Army (HQDA)/ Deputy Chief of Staff for Operations (DCSOPS)) and continue/complete implementation at various other sites.

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

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:

Local Area Network (LAN) installations are critical to support the ever increasing data transfer requirements attributable to actions supporting key Army wartime doctrines and the drawdown of Conventional Forces, Europe. 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 LANs 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) and Distance Learning.

FY02/03 funds for OSCAR will engineer, furnish and install manhole, duct and cable systems to MER under the I3MP. Sites will be implemented in accordance with the Army Installation Sequence List (ISL). Systems 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: June 2001		
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
Install Backbone Local Area Network		50942	4	12736	15248	1	15248	28799	8	3600			
Project Management Support-LAN		1493			1092			1523					
Engineering Support-LAN		9067			6008			9248					
Initial Spares								584		584			
Outside Cable Rehabilitation (OSCAR)		48132	6	8022	24234	6	4039	59132	9	6570			
Project Management Support		1954			1086			1779					
Engineering Support		2280			3325			2900					
Install Info Infra Mod Pgm (I3MP) EUCOM					10000	1	10000						
Install Info Infra Arch DISC4 Engr Spt					3886								
Total		113868			64879			103965					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	DSSMP Ft. Monmouth, NJ	C/FP	CECOM	JAN-00	AUG-00	4	12736	YES		
FY 2001	DSSMP Ft. Monmouth, NJ	C/FP	CECOM	JAN-01	AUG-01	1	15248	YES		
FY 2002	DSSMP Ft. Monmouth, NJ	C/FP	CECOM	JAN-02	AUG-02	8	3600	YES		
Initial Spares										
FY 2002	DSSMP Ft. Monmouth, NJ	C/FP	CECOM	FEB-02	AUG-02		584	YES		
Outside Cable Rehabilitation (OSCAR)										
FY 2000	DSSMP Ft. Monmouth, NJ	C/FP	CECOM	DEC-99	JAN-01	6	8022	YES		
FY 2001	DSSMP Ft. Monmouth, NJ	C/FP	CECOM	JAN-01	APR-01	6	4039	YES		
FY 2002	DSSMP Ft. Monmouth, NJ	C/FP	CECOM	FEB-02	AUG-02	9	6570	YES		

REMARKS: DSSMP: Digital Switch Systems Modernization Program (19 contracts)
DITCO-EUROPE: Defense Information Technology Contract Office

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	31.7	33.6							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	120.1	38.2	17.1	31.7	33.6							
Initial Spares												
Total Proc Cost	120.1	38.2	17.1	31.7	33.6							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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), U.S. Army Materiel Command (USAMC). 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:

FY02 and FY03 continues the backbone infrastructure equipment purchases, such as data switches, routers, media and cable. FY02 and FY03 funds continue procurement of servers, workstations, and management software to build out the Network and Systems Management Center, which manages the Unclassified and Classified Backbones for the Pentagon. Funds will also purchase equipment and cutover circuits in the Consolidated Technical Control Facility. Additionally the IM&T office will continue cutover of circuits (for tenants in the renovated area) to the Black and Red Command and Control Switches and the Optical Remote Module Administrative Switch. FY02 funds will be needed to purchase the Distributed Telephony for Wedge 2. FY03 funds will be used to fund the Communication Module and Administrative Module as well as provide voice mail for the Electronic Switching 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: PENTAGON INFORMATION MGT AND TELECOM (BQ0100)			Weapon System Type:			Date: June 2001		
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
PENTAGON RENOVATION IM&T													
Command/Ops Centers Equip/Install		645			382			382					
Network & Sys Mgmt Ctr HW/SW, Install													
Consolidated Tech Cntrl Equip		1063			4603			3916					
Total Switch Architecture/Voice		1166			1524			1984					
Optical Remote Module/SESS Equip/Install		7562											
Comm Module/Administrative Module													
Distributed Telephony, Wedge 2								5100					
Unclass/Class Backbone, Wedge 1		1000			13563								
Unclass/Class Backbone, Wedge 2					8190			18809					
Consolidated Computer Facility					174			174					
Program Mgmt Support		3800			3240			3240					
PTC													
Electronic Message Delivery System		1876											
Total		17112			31676			33605					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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
Network & Sys Mgmt Ctr HW/SW, Install										
FY 2001	FEDSIM	MIPR	FEDSIM	Nov-00	Dec-00			Yes		
FY 2002	FEDSIM FEDSIM	MIPR	FEDSIM	Nov-01	Dec-01			Yes		
Consolidated Tech Cntrl Equip										
FY 2000	NET DISA	C/FP	DISA	Oct-99	Nov-99			Yes		
FY 2000	SAIC Ft Huachuca, AZ	Rqmts	Ft Huachuca, AZ	Oct-99	Nov-99			Yes		
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		
Total Switch Architecture/Voice										
FY 2000	Raytheon SM-ALC	C/FP	SM-ALC	Oct-99	Nov-99			Yes		
FY 2000	Lucent Ft Monmouth, NJ	C/FP	Ft Monmouth, NJ	Oct-99	Nov-99			Yes		
FY 2000	CSC Ft Monmouth, NJ	IDIQ	Ft Monmouth, NJ	Jan-00	Feb-00			Yes		
FY 2001	Raytheon SM-ALC	C/FP	SM-ALC	Oct-00	Nov-00			Yes		

REMARKS: DISA=Defense Information Systems Agency, DSS-W=Defense Supply Service-Washington, 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

*Quantities and Unit Cost are considered variable and therefore have been left intentionally blank.

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 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		
Optical Remote Module/5ESS Equip/Install										
FY 2000	Verizon DSS-W	C/FP	DSS-W	Oct-99	Nov-99			Yes		
Comm Module/Administrative Module										
Distributed Telephony, Wedge 2										
FY 2002	General Dynamics PENREN, VA	C/FP/OP	PENREN, VA	Oct-01	Nov-01			Yes		
Unclass/Class Backbone, Wedge 1										
FY 2000	General Dynamics PENREN, VA	C/FP/OP	PENREN, VA	Oct-99	Nov-99			Yes		
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		

REMARKS: DISA=Defense Information Systems Agency, DSS-W=Defense Supply Service-Washington, 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

*Quantities and Unit Cost are considered variable and therefore have been left intentionally blank.

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2002 Electronic Message Delivery System FY 2000	General Dynamics PENREN, VA	C/FP/OP	PENREN, VA	Oct-01	Nov-01			Yes		
	Air Force NISA-P	MIPR	NISA-P	Dec-99	Feb-00			Yes		

REMARKS: DISA=Defense Information Systems Agency, DSS-W=Defense Supply Service-Washington, 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

*Quantities and Unit Cost are considered variable and therefore have been left intentionally blank.

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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							
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)	15.4	0.9	1.8	0.9	0.9							
Initial Spares												
Total Proc Cost	15.4	0.9	1.8	0.9	0.9							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

CLASSIFIED PROGRAM: INFORMATION AVAILABLE UPON REQUEST

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	19.4	28.0							
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)	347.6	27.8	26.0	19.4	28.0							
Initial Spares												
Total Proc Cost	347.6	27.8	26.0	19.4	28.0							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

CLASSIFIED PROGRAM: INFORMATION WILL BE PROVIDED UPON REQUEST

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	71.5	46.9							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	476.1	30.5	56.3	71.5	46.9							
Initial Spares	6.0		0.6	0.8	0.8							
Total Proc Cost	482.1	30.5	56.9	72.3	47.7							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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). Systems procured and fielded during FY 02/03 include the RWS, ACE, ACT, and ASAS Light.

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

Appropriation/Budget Activity/Serial No:
Other Procurement, Army /2/COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 Item Nomenclature
ASAS - MODULES/CHIMS (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												
Gross Cost	302.1	30.5	56.3	71.5	46.9							
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)	302.1	30.5	56.3	71.5	46.9							
Initial Spares			0.6	0.8	0.8							
Total Proc Cost	302.1	30.5	56.9	72.3	47.7							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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 02 and FY 03 funding supports continued ASAS product procurement and fielding. Fielding will be IAW the Army Order of Precedence (AOP). Systems procured and fielded during FY 02/03 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/CHIMS (K28801)			Weapon System Type:			Date: June 2001		
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		42386			51037			29987					
Project Management Administration		1720			1820			1879					
Post Production Software Support		4988			5375			7028					
Fielding		6977			7525			7837					
Depot Support		200			200			200					
2nd IBCT					5558								
Total		56271			71515			46931					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / COMMUNICATIONS AND ELECTRONICS EQUIPMENT		Weapon System Type:			P-1 Line Item Nomenclature: ASAS - MODULES/CHIMS (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 2000	GTE Taunton,MA	C/Option	Taunton, MA	Nov-99	Apr-00					
FY 2000	AIS Austin, TX	D.O.	Austin, TX	Nov-99	Apr-00					
FY 2001	GTE Taunton,MA	C/Option	Taunton, MA	Nov-00	Apr-01					
FY 2001	AIS Austin, TX	TBD	Austin, TX	Nov-00	Apr-01					
FY 2002	GTE Taunton,MA	C/Option	Taunton, MA	Nov-01	Apr-02					
FY 2002	TBD Austin, TX	TBD	Austin, TX	Nov-01	Apr-02					

REMARKS: All equipment is ND/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:

June 2001

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	251	68	43	44	50							
Gross Cost	150.2	10.2	23.8	26.5	10.3							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	150.2	10.2	23.8	26.5	10.3							
Initial Spares												
Total Proc Cost	150.2	10.2	23.8	26.5	10.3							
Flyaway U/C												
Wpn Sys Proc U/C		0.2	0.6	0.6	0.2							

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The Joint Tactical Terminal (JTT) are a family of special application UHF Line of Sight (LOS)/Satellite Communications (SATCOM) Secure Intelligence dissemination reporting systems for deployment with tactical units. The system uses airborne and satellite relay platforms to provide robust, reliable jam resistant targeting and intelligence data and voice connectivity throughout the battlefield. Data from various sensors and HUMINT sources are transmitted over the Integrated Broadcast Service (IBS). Specific IBS transmission networks include the Tactical/Reconnaissance Intelligence Exchange System (TRIXS), the Tactical Information Broadcast Service (TIBS), the Tactical Receive Equipment and Related Applications Data Dissemination System (TDDS) and Tactical Data Information exchange System (TADIXS). The IBS is the worldwide DoD standard network for transmitting tactical and strategic intelligence and battle management data. The JTT is the next generation DoD standard system which provides additional channels. 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 the worldwide tactical commanders and intelligence nodes at all echelons. The terminals provide direct, secure and dedicated connectivity/interoperability for rapid targeting, threat avoidance, battle 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 JTT facilitates reaction inside the enemy decision cycle and is necessary to winning the information war on the battlefield. The reduced size JTT Briefcase (B) effort was awarded in FY99 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. The JTT is a terminal that will be hosted on approximately 40 platform variations across all military services and other Government agencies. This terminal serves as a node that captures and disseminates encrypted intelligence broadcast to commanders in a network centric environment. This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

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:

Justification:

FY02 quantities include receive only and full duplex (receive/transmit) variants based on user identified requirements. JTT is a part of the Army's high priority initiative to digitize the battlefield across four Battlefield Operating Systems Intel, Aviation, Fire Support and Air Defense). FY03 funds increase JTT procurement quantities to close the gap for demand by host system platforms.

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: June 2001		
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	B												
JTT (T/R) Transmits and Receives								1730	10	173			
JTT (R Only) Receives Only					4972	44	113	2712	24	113			
JTT (Other Service Rqmts)						100			200				
JTT (B) Receives Only		5504	43	128				2048	16	128			
CIBS-M JTT Hardware					1548	36	43						
JTT-B Accessory Kits		817	43	19				304	16	19			
SUPPORT													
ECOs		6574							323				
Data		245							92				
System Test & Evaluation	445												
Production Line Test Equipment					1405								
Cornfield VECP					5090								
ENGINEERING SUPPORT													
In-House	365				205			235					
Contractor	425				238			275					
Host Integration	6962				2225			1462					
FIELDING	400				302			309					
Army Broadcast Intel Office Support	800				800								
PROGRAM MANAGEMENT	1271				1134			855					
Reprogrammed to Tactical UAV					7100								
-Other Costs													
Total		23808			26508			10345					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2002	Raytheon Systems, St. Pete, FL	C/FFP/Opt	CECOM, Ft. Monmouth, NJ	Jun 02	Jun 03	10	173	Yes		
JTT (R Only) Receives Only FY 2001	Raytheon Systems, St. Pete, FL	C/FFP/Opt	CECOM, Ft. Monmouth, NJ	Feb 02	Feb 03	44	113	Yes		
FY 2002	Raytheon Systems, St. Pete, FL	C/FFP/Opt	CECOM, Ft. Monmouth, NJ	Feb 02	Feb 03	24	113	Yes		
JTT (Other Service Rqmts) FY 2001	Raytheon Systems, St. Pete, FL	C/FFP/Opt	CECOM, Ft. Monmouth, NJ	Feb 02	Feb 03	100		Yes		
FY 2002	Raytheon Systems, St. Pete, FL	C/FFP/Opt	CECOM, Ft. Monmouth, NJ	Feb 02	Feb 03	200		Yes		
JTT (B) Receives Only FY 2000	Raytheon Systems, St. Pete, FL	C/FFP/Opt	CECOM, Ft. Monmouth, NJ	Sep 00	Oct 01	43	128	Yes		
FY 2002	Raytheon Systems, St. Pete, FL	C/FFP/Opt	CECOM, Ft. Monmouth, NJ	Jun 02	Jun 03	16	128	Yes		
CIBS-M JTT Hardware FY 2001	Raytheon Systems, St. Pete, FL	C/FFP/Opt	CECOM, Ft. Monmouth, NJ	Jun 02	Jun 03	36	43	Yes		

REMARKS: Other Service Quantities are included in order to load/show overall delivery rate on the P-21.

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	28							
Gross Cost	139.4			11.2	15.7							
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)	139.4			11.2	15.7							
Initial Spares												
Total Proc Cost	139.4			11.2	15.7							
Flyaway U/C												
Wpn Sys Proc U/C				1.9	0.6							

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This product line provides for the procurement of Prophet. Prophet's primary mission is to provide 24-hour Force Protection (FP) to the maneuver brigade. It will be the echelons Division and below tactical commanders sole organic Multi-Sensor Signals Intelligence system. Prophet (in it's final configuration) will provide the tactical commander the next generation Signals Intelligence /Electronic Warfare (SIGINT/EW), Measurement and Signature Intelligence (MASINT) and Ground Surveillance capability. PROPHET will operate in direct support (DS) to the maneuver brigade at Division, Brigade Combat Team (BCT), Armored Cavalry Regiments (ACR) and Separate Infantry Brigade (SIB). PROPHET provides for replacement of the legacy Trailblazer, Traffic Jam and Teammmate systems. These systems are currently deployed as divisional assets and will be replaced with the Prophet systems. It is being designed to support the Army Transformation and is an integral force multiplier supporting the Brigade Commander's scheme of maneuver for the Interim and Objective forces. Prophet will provide the Tactical Commander with an enhanced capability for situational awareness, electronic Intelligence Preparation of the Battlefield (IPB), battlespace visualization, target development, and force protection throughout the division's width and depths in the Objective Force. Prophet will interface with the division and armored cavalry Analysis Control Element's (ACE) All Source Analysis System (ASAS) as well as the maneuver brigade Analysis Control Team's (ACT) Common Ground Station (CGS) and/or ASAS-Remote Work Stations (ASAS-RWS) providing near-real-time (NRT) digital inputs to the common operating picture (COP). Tactical Commanders will receive added force protection through Prophet's capability of providing reports of intercepted voice communications to the supported units from the Prophet assets. Prophet will be developed in a Block approach and will include 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 capabilities. This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

Appropriation/Budget Activity/Serial No:

Other Procurement, Army /2/COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 Item Nomenclature

PROPHET GROUND (TIARA) (BZ7326)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

Justification:

FY02 - FY03 funding procures Prophet Block I Systems (COMINT) for fielding to Maneuver Brigade at Division, Brigade Combat Team (BCT), Armored Cavalry Regiments (ACR) and Separate Infantry Brigade (SIB).

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: June 2001		
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	28	330			
Support Equipment					297			1386					
ECPs					198			222					
Non Recurring Engineering					6877								
System Engineering								510					
Follow-on Test								2000					
Government Program Mgmt					1057			1567					
New Equipment Training (NET)					50			230					
Total Package Fielding (TPF)								579					
2nd IBCT not reflected in P-Form detail					700								
Total					11159			15734					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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	TBS	C/FFP	CECOM	Apr 01	Apr 02	6	330	yes		
FY 2002	TBS TBS	OPTION	CECOM	Oct 01	Oct 02	28	330	yes		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

Appropriation/Budget Activity/Serial No:
Other Procurement, Army /2/COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 Item Nomenclature
TACTICAL UNMANNED AERIAL VEHICLE (TUAV) (BA0330)

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	9							
Gross Cost		6.3	0.8	37.4	84.3							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)		6.3	0.8	37.4	84.3							
Initial Spares												
Total Proc Cost		6.3	0.8	37.4	84.3							
Flyaway U/C				0.0	0.0							
Wpn Sys Proc U/C				8.0	7.3							

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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

Justification:

In accordance with the Army Transformation Strategy and the Army System Acquisition Review Council (ASARC) decision to accelerate fielding of the TUAV, there will be a second low rate initial production buy for a ramp-up following a successful OPTEMPO test. Funds for FY 2002 and FY 2003 will be used to procure 21 production systems to meet the accelerated fielding requirements for those years.

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) (BA0330)			Weapon System Type:			Date: June 2001		
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						4	5145		9	3988			
TUAV Systems					19717			34517					
MMF					861			1372					
Subtotal for System Hardware Costs:					20578			35889					
Training Devices					348			351					
Training					691								
Technical Manuals					313			256					
Test Support					877			892					
Engineering Support					1382			3000					
Engineering Changes													
Mods/Retrofit								3207					
Govt Training, Site Activation					920			7129					
System Test and Acceptance								3852					
Recurring TUAV System Costs Total					25109			54576					
Government Furnished Equipment					3512			7775					
Attrition Air Vehicle								2226	5	445			
Initial Spares					5501			11900					
Program Management (Government)					3320			6823					
Material Fielding								1000					
Communication Relay Packages for Hunter		800											
Total		800			37442			84300					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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) (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 - 01	4	5145	Yes	N/A	May -99
FY 2002	AAI Hunt Valley, MD	SS/FPIF	AMCOM	Nov - 01	Aug - 02	9	3988	Yes	N/A	N/A

REMARKS: EMD Contract with production options was awarded via competition to AAI December 1999.

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

Appropriation/Budget Activity/Serial No:
Other Procurement, Army /2/COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 Item Nomenclature
JOINT STARS (ARMY) (TIARA) (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								
Gross Cost	445.5	82.3	94.8	65.8	21.3							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	445.5	82.3	94.8	65.8	21.3							
Initial Spares	10.2											
Total Proc Cost	455.7	82.3	94.8	65.8	21.3							
Flyaway U/C												
Wpn Sys Proc U/C		6.9	6.8	6.6								

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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 such as the All Source Analysis System (ASAS) and the Army Field Artillery Tactical Data System (AFATDS). A robust, self-contained communications suite insures connectivity with both sensors and command and control nodes under a wide range of battlefield scenarios and conditions. As part of the Future Digitized Division (FDD), 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 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. The Joint Services Workstation (JSWS) is a single operator, transportable, reduced footprint, dismounted workstation variant of the CGS. The JSWS uses the same hardware and software and provides the same functionality as the CGS.

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

Appropriation/Budget Activity/Serial No:

Other Procurement, Army /2/COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 Item Nomenclature

JOINT STARS (ARMY) (TIARA) (BA1080)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

The CGS/JSWS 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 a proven force multiplier, fielded to high priority units for worldwide deployment. The CGS/JSWS is an integral component to the Brigade Combat Teams under the Army's transformation strategy. This system supports the legacy transition path of the Transformation Campaign Plan (TCP).

Justification:

FY02/03 funding provides for the Block 20 P31 retrofit that incorporates the Joint Tactical Terminals (JTT) into CGS' located within the Army units worldwide. FY02 funds also support changes to the numerous CGS sensor and command and control interfaces as well as upgrades to CGS COTS processing software.

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 STARS (ARMY) (TIARA) (BA1080)			Weapon System Type:			Date: June 2001		
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) LRIP		22677	7	3240									
Common Ground Station (CGS) FRP		22677	7	3240	33230	10	3323						
Operational Trainer		4285	1	4285									
Maintenance Trainer					4940	2	2470						
Joint Service Work Station (JSWS)													
SUPPORT													
Retrofit		20952			5238			4656					
P31 NRE / Post Deployment SW Supt (PDSS)		5577			6000			6667					
Field Support		10376			9650			4600					
Data		200			100			100					
System Test and Evaluation		4488			1169			1194					
ENGINEERING SUPPORT													
In-House		460			475			490					
Prime Contractor		440			450			460					
FIELDING		1512			3321			1868					
PROGRAM MANAGEMENT (ADMIN)		1196			1232			1269					
Total		94840			65805			21304					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / COMMUNICATIONS AND ELECTRONICS EQUIPMENT		Weapon System Type:			P-1 Line Item Nomenclature: JOINT STARS (ARMY) (TIARA) (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) LRIP FY 2000	Motorola Scottsdale, AZ	C/FFP/Opt	CECOM, Ft. Monmouth, NJ	Dec 99	Dec 00	7	3240	Yes		
Common Ground Station (CGS) FRP FY 2000	Motorola Scottsdale, AZ	C/FFP/Opt	CECOM, Ft. Monmouth, NJ	Aug 00	Aug 01	7	3240	Yes		
FY 2001	Motorola 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:

June 2001

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												
Gross Cost	56.4	21.0	24.4	20.1	20.1							
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)	56.4	21.0	24.4	20.1	20.1							
Initial Spares												
Total Proc Cost	56.4	21.0	24.4	20.1	20.1							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The Digital Topographic Support System (DTSS) will provide digital maps and updates to commanders and weapons platforms in support of mission planning. This includes imagery exploitation, Cover and Concealment, other Intelligence Preparation of the Battlefield (IPB), rehearsal such as 3D fly through, simulations, and execution including 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. The DTSS-H systems will eventually be replaced by DTSS-Ls, highly mobile systems which are 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.

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

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:

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:

FY02/03 funding will be used for procurement of 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: June 2001		
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	8521	54	158	4437	29	153						
DTSS-Light	A	7774	16	486	8622	16	539	8407	16	525			
DTSS-Base	A							2000	3	667			
HVMP	A												
Hardware Total		16295			13059			10407					
Engineering Support													
Design Engineering		3764			1880			3278					
Misc Out-of-House Engineering		856			1278			1360					
Engineering Support Total		4620			3158			4638					
Fielding													
Total Package Fielding		375			225			250					
New Equipment Training		610			500			300					
First Destination Transportation		550			400			400					
Fielding Total		1535			1125			950					
Project Management and Administration		1545			2079			2079					
Interim Contractor Support		400			400			400					
2nd IBCT					300								
Institutional Training								1650					
Total		24395			20121			20124					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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	Mar 02	16	539	No		
FY 2002	TBS TBS	C/FP	USA Topo Eng Center	Dec 01	Mar 03	16	525	No		
DTSS-Base										
FY 2002	TBS TBS	C/FP	USA Topo Eng Center	Dec 01	May 02	3	667	No		
HVMP										

REMARKS: FY02/03 funding will be used for procurement of 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:

June 2001

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	20.1	3.7									
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)	89.8	20.1	3.7									
Initial Spares												
Total Proc Cost	89.8	20.1	3.7									
Flyaway U/C												
Wpn Sys Proc U/C												

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

Appropriation/Budget Activity/Serial No:
Other Procurement, Army /2/COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 Item Nomenclature
TACTICAL EXPLOITATION OF NATIONAL CAPABILITIES (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								
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	98.5	6.0	4.4	12.7								
Initial Spares												
Total Proc Cost	98.5	6.0	4.4	12.7								
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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.

Justification:

The FY00/01 funds procure both military and commercial hardware and software (GOTS/COTS) capabilities to enhance systems performance and to maintain interoperability with National systems and Army tactical communications architecture. The units procured under this line are components that are incorporated into all systems (including ETRAC and MIES) and fall under the Common Baseline project, which addresses common subsystems, planned improvements, key activities and ongoing/planned initiatives determined to have potential application to multiple systems. The FY00/01 funds also procure both military and commercial hardware and software (GOTS/COTS) capabilities to field the TES which brings all of the existing and emerging Army TENCAP capabilities into an integrated common baseline; downsized, modular, and scalable to meet a wide range of contingency requirements as well as incorporates the standards and protocols dictated by the Common Imagery Ground/Surface System (CIGSS) program. The efforts funded under this project moved to BZ7317 TES/DCGS-A in FY02 and out.

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 OF NATIONAL CAPABILITIES (BZ7315)			Weapon System Type:			Date: June 2001			
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	500	1	500						
Grenadier Brat			851	2	426									
MiDAS			3000	2	1500									
S-Band Receiver						735	15	49						
Common Data Link						9400	2	4700						
DB Master						600	6	100						
MiDAS Remote Trailer (MRT)						1500	3	500						
DAMA: Demand Assigned Multiple Access														
Total			4351			12735								

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / COMMUNICATIONS AND ELECTRONICS EQUIPMENT		Weapon System Type:			P-1 Line Item Nomenclature: TACTICAL EXPLOITATION OF NATIONAL CAPABILITIES (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 2000	Classified	SS/CPAF	CLASSIFIED			1	500			
FY 2001	Classified	SS/CPAF	CLASSIFIED			1	500			
Grenadier Brat										
FY 2000	Boeing	SS/FFP	Army Research Lab			2	426			
MiDAS										
FY 2000	Classified	SS/CPAF	CLASSIFIED		3Q 00	2	1500			
S-Band Receiver										
FY 2001	Classified	SS/CPAF	CLASSIFIED		3Q01	15	49			
Common Data Link										
FY 2001	L3 Communications Corp Salt Lake City, UT	SS/CPAF	DET 8		2Q 01	2	4700			

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

Appropriation/Budget Activity/Serial No:
Other Procurement, Army /2/COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 Item Nomenclature
TACTICAL EXPLOITATION SYSTEM/DCGS-A (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							
Gross Cost					26.2							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)					26.2							
Initial Spares												
Total Proc Cost					26.2							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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 will be stand alone systems, with multiple communications capability defined in UHF S-Band and terrestrial communications packages. The DTES will be a self contained integrated system with multiple, remotable, reconfigurable workstations and communications capabilities in two 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 .

Justification:

FY 02/03 funds will be used to procure DTES and TES-Light and subcomponents of TES (Common Data Link, MiDAS Remote Trailer (MRT) and DB Master). This is not a new start. 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/DCGS-A (TIARA) (BZ7317)			Weapon System Type:			Date: June 2001		
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			
TES-L													
Common Data Link (CDL)													
DAMA capable Radio								6328	12	527			
MRT								1000	2	500			
DB Master								200	2	100			
TES: Tactical Exploitation System													
DTES: Division TES													
TES-L: TES Light													
DAMA: Demand Assigned Multiple Access													
Total								26168					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / COMMUNICATIONS AND ELECTRONICS EQUIPMENT		Weapon System Type:			P-1 Line Item Nomenclature: TACTICAL EXPLOITATION SYSTEM/DCGS-A (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		1Q 03	4	4660			
TES-L Common Data Link (CDL) DAMA capable Radio FY 2002	Classified	SS/CPAF	Classified			12	527			
MRT FY 2002	Classified	TBD	Classified			2	500			
DB Master FY 2002	Classified	TBD	NRAD			2	100			

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

Appropriation/Budget Activity/Serial No:
Other Procurement, Army /2/COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 Item Nomenclature
COMMON IMAGERY GROUND/SURFACE SYSTEM (CIGSS) (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							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)		2.5	2.8	2.8	2.6							
Initial Spares												
Total Proc Cost		2.5	2.8	2.8	2.6							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The Common Imagery Ground/Surface System (CIGSS) is 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.

Justification:

FY 02/03 funds will be used to procure CIGSS components for TES.

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: COMMON IMAGERY GROUND/SURFACE SYSTEM (CIGSS) (BZ7316)			Weapon System Type:			Date: June 2001		
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
Procure DEs		1116	2	558	1150	2	575	1150	2	575			
Procure CIP		1285	1	1285	1267	1	1267	1331	1	1331			
Various HW/SW for TES		378	6	63	390	6	65	130	2	65			
Total		2779			2807			2611					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / COMMUNICATIONS AND ELECTRONICS EQUIPMENT		Weapon System Type:			P-1 Line Item Nomenclature: COMMON IMAGERY GROUND/SURFACE SYSTEM (CIGSS) (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 2000	Lockheed Martin Philadelphia, PA	SS/CPAF	NIMA	3Q00	4Q00	2	558	YES		
FY 2001	Lockheed Martin Philadelphia, PA	SS/CPAF	NIMA	2Q01	4Q01	2	575	YES		
Procure CIP										
FY 2000	Northrop Grumman Linthicum, MD	C/CPAF	USAF ASC	4Q00	3Q01	1	1285	YES		
FY 2001	Northrop Grumman Linthicum, MD	C/CPAF	USAF ASC	2Q01	3Q02	1	1267	YES		
FY 2002	Northrop Grumman Linthicum, MD	C/CPAF	USAF ASC	2Q02	3Q03	1	1331	YES		
Various HW/SW for TES										
FY 2000	Various		Various	3Q00	2Q01	6	63	YES		
FY 2001	Various		Various	2Q01	1Q02	6	65	YES		

REMARKS: DE : Dissemination Element
CIP: Common Imagery Processor

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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							
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)	158.9	3.9	11.2	4.2	4.9							
Initial Spares												
Total Proc Cost	158.9	3.9	11.2	4.2	4.9							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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 for collection and processing system upgrades required to migrate the legacy TROJAN Classic system and to the National Common Remoted Systems (CRS) architecture. These enhancements are commonly known as TROJAN Classic XXI.

Funds 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 system upgrades and fieldings activities.

There are no major acquisitions to Prime 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: June 2001		
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
TROJAN CLASSIC XXI													
(MC03c) Hardware		1600	4	400	1650	4	413	1650	4	413			
(MC03d) Hardware		2900	4	725	2275	3	758	2875	4	719			
Integration/Fielding		328			301			370					
SUBTOTAL		4828			4226			4895					
TROJAN SPIRIT RECAP													
Hardware/Integation/Fielding		6375	38	168									
SUBTOTAL		6375											
Total		11203			4226			4895					

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	227.6	14.0	10.7	1.7	1.7							
Initial Spares												
Total Proc Cost	227.6	14.0	10.7	1.7	1.7							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

Modifications of in service equipment (MODS) provide for materiel change/upgrades to: (1) The AN/PRD-13(V)2 provides for an organic system that can intercept, direction find (DF) and provide threat warning and situational awareness information directly to the support unit. The system is modular, very light weight, with minimal power requirements and configurable to support man-pack operations. (2) Y2K fixes for the Guardrail and Airborne Reconnaissance Low (ARL) programs. (3) Ground Surveillance Radar (GSR) for Interim Brigade Combat Team (IBCT). (4) Improved-Remotely Monitored Battlefield Sensor System (I-REMBASS) for IBCT.

Justification:

FY02/03 Funds I-REMBASS and GSR hardware for the IBCT.

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

Appropriation/Budget Activity/Serial No:
Other Procurement, Army /2/COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 Item Nomenclature
SPECIAL PURPOSE SYSTEMS (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				0.3							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	79.7				0.3							
Initial Spares												
Total Proc Cost	79.7				0.3							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

CLASSIFIED PROGRAM: INFORMATION PROVIDED UPON REQUEST

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	14.0	8.9	1.7	1.4							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	94.3	14.0	8.9	1.7	1.4							
Initial Spares												
Total Proc Cost	94.3	14.0	8.9	1.7	1.4							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The 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).

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%. FY02-FY07 Funds purchase GSR for the IBCT.

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

Justification:

FY02-03 Funds I-REMBASS and GSR hardware for the IBCT.

Exhibit P-40M, Budget Item Justification Sheet

Date:

June 2001

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	0.0	0.0	0.0	0.0	0.0	0.0	2.3
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	0.0	0.0	0.0	0.0	0.0	0.0	0.6
Totals		22.5	1.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0	25.6

INDIVIDUAL MODIFICATION

Date: June 2001

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

MODELS OF SYSTEM AFFECTED:

DESCRIPTION/JUSTIFICATION:

Y2K fixes for the GR/CS and ARL programs.

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																						

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: June 2001

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	0.0
Total Procurement Cost		7.3		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	7.3

INDIVIDUAL MODIFICATION

Date: June 2001

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 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). 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																						

	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																					

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: June 2001

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														1.8
Equipment, Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other				0.3		0.2														0.5
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		0.0		0.0		0.0		0.0		0.0		0.0		2.3

INDIVIDUAL MODIFICATION

Date: June 2001

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																		

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: June 2001

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																		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: June 2001

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																						
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: June 2001

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														0.6
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		0.0		0.0		0.6		0.0		0.0		0.0		0.0		0.0		0.0		0.6

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

Appropriation/Budget Activity/Serial No:
Other Procurement, Army /2/COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 Item Nomenclature
CI HUMINT AUTOMATED TOOL SET (CHATS) (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	1.5							
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)		3.7	4.1	3.0	1.5							
Initial Spares												
Total Proc Cost		3.7	4.1	3.0	1.5							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The Counter Intelligence/Human Intelligence (CI/HUMINT) Management System (CHIMS) is the tactical CI/HUMINT subsystem of the All Source Analysis System (ASAS). 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 ASAS Division and Corps 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. This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

Justification:

FY02/03 Funding supports continued CHIMS product procurement and fielding. Fielding will be IAW the Army Order of Precedence (AOP). FY02 procures for IBCT (16) V2 CHATS, (44) ITRTs, and (1) CI & I OPS Workstation. FY03 procures for IBCT (16) V3 CHATS, (44) ITRTs, and (1) CI & I OPS Workstation. Additionally, FY03 procures (141) V3 CHATS, (604) ITRTs, and (42) CI & I OPS Workstations.

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 AUTOMATED TOOL SET (CHATS) (TIARA) (BK5275)			Weapon System Type:			Date: June 2001		
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		1604	77	21	333	16	21						
--CHATS V3													
--ITRT													
--CI & I OPS													
IBCT Hardware													
--IBCT CHATS V2		347	16	22	347	16	22	347	16	22			
--IBCT CHATS V3													
--IBCT ITRT		112	44	3	112	44	3	112	44	3			
--IBCT CI & I OPS		15	1	15	15	1	15	15	1	15			
Other													
Sys Integration, Trng, Fldg, Sust Spt		2001			2198			1018					
Total		4079			3005			1492					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / COMMUNICATIONS AND ELECTRONICS EQUIPMENT		Weapon System Type:			P-1 Line Item Nomenclature: CI HUMINT AUTOMATED TOOL SET (CHATS) (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 2000	Engineering System Solutions Frederick, MD	C/IDIQ	CECOM	Dec-99	Mar-00	77	21			
FY 2001	Engineering System Solutions Frederick, MD	C/IDIQ	CECOM	Dec-00	Mar-01	16	21			
FY 2002	Engineering System Solutions Frederick, MD	C/IDIQ	CECOM	Dec-01	Mar-02					
--CHATS V3										
--ITRT										
--CI & I OPS										
--IBCT CHATS V2										
FY 2000	Engineering System Solutions Frederick, MD	C/IDIQ	CECOM	Dec-99	Mar-00	16	22			
FY 2001	Engineering System Solutions Frederick, MD	C/IDIQ	CECOM	Dec-00	Mar-01	16	22			
FY 2002	Engineering System Solutions Frederick, MD	C/IDIQ	CECOM	Dec-01	Mar-02	16	22			
--IBCT CHATS V3										
--IBCT ITRT										
FY 2000	Engineering System Solutions Frederick, MD	C/IDIQ	CECOM	Dec-99	Mar-00	44	3			
FY 2001	Engineering System Solutions Frederick, MD	C/IDIQ	CECOM	Dec-00	Mar-01	44	3			

REMARKS: Equipment costs vary by version.

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / COMMUNICATIONS AND ELECTRONICS EQUIPMENT		Weapon System Type:			P-1 Line Item Nomenclature: CI HUMINT AUTOMATED TOOL SET (CHATS) (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 --IBCT CI & I OPS	Engineering System Solutions Frederick, MD	C/IDIQ	CECOM	Dec-01	Mar-02	44	3			
FY 2000	Engineering System Solutions Frederick, MD	C/IDIQ	CECOM	Dec-99	Mar-00	1	15			
FY 2001	Engineering System Solutions Frederick, MD	C/IDIQ	CECOM	Dec-00	Mar-01	1	15			
FY 2002	Engineering System Solutions Frederick, MD	C/IDIQ	CECOM	Dec-01	Mar-02	1	15			

REMARKS: Equipment costs vary by version.

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	6.6	2.1							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	39.5	1.5	0.5	6.6	2.1							
Initial Spares												
Total Proc Cost	39.5	1.5	0.5	6.6	2.1							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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).

The 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 dedicated, secure, high capacity, SCI-high intelligence data processing and communications. It provides essential support for split-based, high-tempo operations with its rapidly deployable, multi-level security, processor-to-processor, high capacity communications capability.

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

Justification:

JUSTIFICATION:

FY02-07 funds 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.

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

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:

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.

FY02-07 funding will also be used to procure additional TROJAN SPIRIT systems for the Transformation Brigades. Each Brigade requires three TROJAN SPIRIT Lightweight Integrated Telecommunications Equipment (TS LITE) systems, one of which will be fielded with a HMMWV-mounted shelter, command post system, trailer and SCI-capable workstation. FY01 funds will be used to procure the third TS LITE system for the first Transformation Brigade, three TS LITE systems for the second Transformation Brigade, and one TS LITE for the third Transformation Brigade. FY02-07 funding will be used to procure two of the three required TS LITE systems for Transformation Brigades 3-8.

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: June 2001			
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
TROJAN SPIRIT LITE (V)2														
Hardware					2550	3	850	1591	2	796				
Integration/Fielding					550									
TROJAN SPIRIT LITE (V)3														
Hardware					2600	2	1300							
Integration/Fielding					353									
Sub Total					6053			1591						
AIMP														
Software/Publications			528		500		500	500						
Total			528		6553			2091						

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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	3	850	yes		
FY 2002	GLOBAL SATCOM Gaithersburg, MD		GSA	TBD		2	796	yes		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	11.9	0.0							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	21.8	19.9	19.7	11.9	0.0							
Initial Spares												
Total Proc Cost	21.8	19.9	19.7	11.9	0.0							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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:

The FY01 funding of \$11,851,000 provided by Congressional Plus-Up will complete the SEPS urgent requirements for US Army Europe (USAREUR)/US Army Forces, US Central Command (ARCENT) and partially fulfill the requirement for a Brigade Contingency Set.

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: June 2001		
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)		16100	92	175	9120	48	190						
Hardware (Antennas)		883	92	10	480	48	10						
Ancillary Items		329			192			5					
Generators		409			216								
Government Engineering Support		445			450								
Contractor Engineering Support		400			414								
System Test and Evaluation		380			300								
Fielding		200			125								
Contractor Logistics Support (CLS)		360			374								
Program Management		216			180								
Total		19722			11851			5					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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	Jun 01	Apr 02	48	190	No		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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							
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)	9.6	1.7	2.9	2.3	2.3							
Initial Spares												
Total Proc Cost	9.6	1.7	2.9	2.3	2.3							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

CLASSIFIED PROGRAM: INFORMATION AVAILABLE UPON REQUEST

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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								
Gross Cost	261.2	57.5	48.3	25.9	1.9							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	261.2	57.5	48.3	25.9	1.9							
Initial Spares	11.2	5.1	3.8	1.9	2.1							
Total Proc Cost	272.4	62.6	52.1	27.8	3.9							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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:

FY02 funds field radars to the 2nd LCR and Army National Guard Units (1-265th ADA, 2-265th ADA, 3-265th ADA, 2-174th ADA and 2-263rd ADA).

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: June 2001		
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		37458	21	1784	11268	6	1878						
Air Defense Alerting System					2000								
Trainers/Training		739			221			503					
Engineering Change Orders		650			591								
System Test and Evaluation		182			57								
Interim Contractor Support		727			5731			21					
Subtotal		39756			19868			524					
Engineering Support													
Engineering Support - Labor		836			655								
Engineering Support - Simulations		432			565			29					
Engineering Support - Contractor		1015			600								
Engineering Support Total		2283			1820			29					
Initial Spares		3841			1904			2061					
Fielding		2693			1620			1334					
Subtotal		6534			3524			3395					
System Software Changes		557			21								
Program Mgt/Admin													
PM/Admin Labor In house		1776			1723								
PM/Admin Labor Contracts		1233			892								
TOTAL PM/Admin		3566			2636								
Total		52139			27848			3948					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	Raytheon Systems Co Forest, MS	SS/FP/Opt	AMCOM	Mar 00	Dec 01	21	1784	yes		
FY 2001	Raytheon Systems Co Forest, MS	SS/FP/Opt	AMCOM	Nov 00	Apr 03	6	1878	yes		

REMARKS: FY00 Deliveries - Production schedule changes to accommodate incorporation of system upgrades (new Radar Control Terminal (RCT), new North Finding Module and new Signal Data Processor card)
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.

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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					30.9							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)					30.9							
Initial Spares												
Total Proc Cost					30.9							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

Sentinel consists of a radar-based sensor system with its prime mover/power, IFF, and FAAD C2 Interfaces. Sentinel Modernization improves Sentinel's capability against evolving threats. Sentinel Modernization is a material enhancement of the Sentinel system. The system provides forward area Short Range Air Defense (SHORAD) systems 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 increased capabilities for the Sentinel to remain abreast of the evolving technological threat of 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 positions Sentinel to determine aircraft type or to support manned vs. unmanned determinations to fully support engagements beyond visual range. The Sentinel system will be enhanced so the emerging threat is both classified and detected with a high level of confidence. This system supports the Legacy transition path of the Army Transformation Campaign Plan (TCP) by ensuring that the Sentinel systems support the acquisition, tracking and classification of targets to enable the SHORAD weapons to engage these targets at maximum effective range.

Justification:

FY02 funds procure 36 transmitter retrofit kits and 27 Enhanced Target Range Acquisition and Classification (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.

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

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:

Installation of these kits will provide increased capabilities for the Sentinel system against the emerging threat of advanced targets at the maximum effective range. FY03 funds procure 48 transmitter retrofit kits and 48 ETRAC retrofit kits and installation of retrofit kits on 6 Sentinel systems.

Exhibit P-40M, Budget Item Justification Sheet

Date:

June 2001

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	0.0	0.0	0.0	0.0	0.0	0.0	16.9
ETRAC Modifications											
111-12	Operational	0.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0
Totals		0.0	0.0	30.9	0.0	0.0	0.0	0.0	0.0	0.0	30.9

INDIVIDUAL MODIFICATION

Date: June 2001

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, especially cruise missile and UAV aggressors.

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																				
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																		

METHOD OF IMPLEMENTATION:	Contractor's Facility	ADMINISTRATIVE LEADTIME:	1 Months	PRODUCTION LEADTIME:	20 Months
Contract Dates:	FY 2002 Nov 01	FY 2003 Nov 02		FY 2004 Nov 03	
Delivery Date:	FY 2002 Jul 03	FY 2003 Jul 04		FY 2004 Jul 05	

INDIVIDUAL MODIFICATION

Date: June 2001

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																				
Installation Kits, Nonrecurring																				
Equipment					36	15.2														15.2
Equipment, Nonrecurring																				
Engineering Change Orders						0.4														0.4
Data						0.3														0.3
Training Equipment																				
Support Equipment																				
Other						1.0														1.0
Interim Contractor Support																				
Installation of Hardware																				
FY 2000 & Prior Equip -- Kits																				
FY 2001 -- Kits																				
FY 2002 Equip -- 36 Kits																				
FY 2003 Equip -- 48 Kits																				
FY 2004 Equip -- 19 Kits																				
FY 2005 Equip -- 10 Kits																				
FY 2006 Equip -- 10 Kits																				
FY 2007 Equip -- 2 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		16.9		0.0		0.0		0.0		0.0		0.0		0.0		16.9

INDIVIDUAL MODIFICATION

Date: June 2001

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 the emerging threat of advanced targets at the maximum effective range protecting critical assets from aggressors.

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																				
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																		

METHOD OF IMPLEMENTATION:	Contractor's Facility	ADMINISTRATIVE LEADTIME:	8 Months	PRODUCTION LEADTIME:	13 Months
Contract Dates:	FY 2002 Jun 02	FY 2003 Jun 03		FY 2004 Jun 04	
Delivery Date:	FY 2002 Jul 03	FY 2003 Jul 04		FY 2004 Jul 05	

INDIVIDUAL MODIFICATION

Date: June 2001

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																				
Installation Kits, Nonrecurring																				
Equipment					27	12.7														12.7
Equipment, Nonrecurring																				
Engineering Change Orders						0.3														0.3
Data						0.3														0.3
Training Equipment																				
Support Equipment																				
Other						0.7														0.7
Interim Contractor Support																				
Installation of Hardware																				
FY 2000 & Prior Equip -- Kits																				
FY 2001 -- Kits																				
FY 2002 Equip -- 27 Kits																				
FY 2003 Equip -- 48 Kits																				
FY 2004 Equip -- 19 Kits																				
FY 2005 Equip -- 10 Kits																				
FY 2006 Equip -- 18 Kits																				
FY 2007 Equip -- 3 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		14.0		0.0		0.0		0.0		0.0		0.0		0.0		14.0

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	297621	12194	21753	23481	11378							
Gross Cost	1496.4	53.2	57.3	92.4	37.0							
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)	1496.4	53.2	57.3	92.4	37.0							
Initial Spares												
Total Proc Cost	1496.4	53.2	57.3	92.4	37.0							
Flyaway U/C												
Wpn Sys Proc U/C		4.4	2.6	3.9	3.3							

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

Night Vision Devices (KA3500) is a summary budget line. There are five subsidiary lines which are: K36400 Night Vision, AN/PVS-7/14 AID; K35000 AN/PAQ-4 Infrared Aiming Light (IAL); K31300 AN/VAS-5 DVE; B53800 AN/PVS-6 MELIOS; K41500 SNS (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 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).

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

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:

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

Justification:

FY 2002 and 2003 funds will continue procurement of AN/PVS-7, ANPVS-14, 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. The "Own the Night" initiative, part of the Infantry Modernization Plan, includes the AN/PVS-7/14, AN/PVS-6 MELIOS, 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: June 2001		
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		44861	7167	6	59839	7999	7	34074	8484	4			
Infrared Aiming Light, AN/PAQ-4/PEQ-2		8919	14500	1	15842	10380	2	1003	1000	1			
Night Vision, AN/PVS 6 MELIOS					2972	200	15						
Night Vision, Driver's Vision Enhancer		3484	187	19	11855	97	122	1942	97	20			
Night Vision, Sniper Night Sight (BCT)					1785	180	10						
TOTAL		57264			92293			37019					
Total		57264			92293			37019					

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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:

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											
Gross Cost	88.0	3.1		3.0								
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	88.0	3.1		3.0								
Initial Spares												
Total Proc Cost	88.0	3.1		3.0								
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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

Justification:

There are currently no funds for this program in FY 2002 or FY 2003.

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-6 MELIOS (B53800)			Weapon System Type:			Date: June 2001			
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
Digital MELIOS Hardware						1830	200	9						
Government Engineering						225								
Fielding						80								
Testing						350								
Project Management Admin						190								
ECO/ECP						297								
Total						2972								

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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-6 MELIOS (B53800)					
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 MELIOS Hardware FY 2001	Litton Laser Apopka, FL	SS/FP	CECOM	Jul 01	Feb 02	200	9	No	Jul 01	

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

Appropriation/Budget Activity/Serial No:
Other Procurement, Army /2/COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 Item Nomenclature
DRIVER VISION ENHANCER (DVE) (K31300)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty			86	524	64							
Gross Cost			3.5	11.9	1.9							
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)			3.5	11.9	1.9							
Initial Spares												
Total Proc Cost			3.5	11.9	1.9							
Flyaway U/C												
Wpn Sys Proc U/C			0.0	0.0	0.0							

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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

Justification:

Funds in FY 2002 and FY 2003 will continue the procurement of DVE systems to be fielded on TOW HMMWV and the Mortar HMMWV vehicles in the 187th Infantry Regiment, 82nd Airborne Division, and 101st AAD. The "Own The Night" initiative, part of the Infantry Modernization Plan, includes the AN/VAS-5 DVE.

NOTE: Quantities in the RDAISA database are incorrect, and should be corrected to FY 2000, 86; FY 2001, 685; FY 2002, 73; FY 2003, 72; FY 2004, 187; FY 2005, 293; FY 2006, 234; FY 2007, 236.

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: June 2001		
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	2954	86	34	10292	685	15	1241	73	17			
Program Management Admin		530			1047			524					
Engineering Change Orders					412			45					
Testing					104								
Fielding								132					
Total		3484			11855			1942					
Total		3484			11855			1942					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
AN/VAS-5 Driver's Vision Enhancer (DVE)										
FY 2000	Raytheon Dallas, TX	Option	CECOM	Sep 00	Nov 01	86	34	Yes		
FY 2001	Raytheon Dallas, TX	Option	CECOM	Apr 01	Mar 02	685	15	Yes		
FY 2002	Raytheon Dallas, TX	Option	CECOM	Jan 02	Mar 03	73	17	Yes		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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							
Gross Cost	37.0	10.6	8.9	15.9	1.0							
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)	37.0	10.6	8.9	15.9	1.0							
Initial Spares												
Total Proc Cost	37.0	10.6	8.9	15.9	1.0							
Flyaway U/C												
Wpn Sys Proc U/C		0.0	0.0	0.0	0.0							

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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 FY02/03 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: June 2001		
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	4500	4500	1	12440	10000	1	703	800	1			
AN/PAQ-4C Infrared Aiming Light	A	3000	10000	0	2000	5000	0						
Government Engineering Support		800			474			300					
Gov't Limited User Test		340											
Engineering Change Orders (ECO)		300											
2nd IBCT					1000								
Total		8940			15914			1003					
Total		8940			15914			1003					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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	Dec01	10000	1	Yes		
FY 2002	TBS (PEQ-2A)	C/FPIDIQ	CECOM	Mar 02	Aug 02	800	1	Yes		
AN/PAQ-4C Infrared Aiming Light										
FY 2000	Insight Technology (PAQ-4) Nashua, NH	C/IDIQ	CECOM	Mar 00	Apr 00	10000	0	Yes		
FY 2001	Insight technology londonderry, NH	C/FPIDIQ	CECOM	Dec 00	Jun 01	5000	0	Yes		

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

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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:

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	148305	7194	7167	12000	10314							
Gross Cost	865.5	39.4	44.9	59.8	34.1							
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)	865.5	39.4	44.9	59.8	34.1							
Initial Spares												
Total Proc Cost	865.5	39.4	44.9	59.8	34.1							
Flyaway U/C												
Wpn Sys Proc U/C		0.0	0.0	0.0	0.0							

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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). Individual soldier use the AN/PVS-7 and AN/PVS-14 to perform Combat, Combat Support, and Combat Service Support functions during night operations. Leaders at all levels also use the AN/PVS-14 for observation and command and control. 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. The ENVG will incorporate state-of-the-art image intensifier and uncooled long-wave infrared technologies as well as a head-mounted display and low-power electronics to provide high resolution, fused imagery in a small, lightweight, reliable package that will interface with the Land Warrior system. This lightweight package combined with the state-of-the-art sensor technologies will provide the soldier with significantly improved mobility and situational awareness capabilities over existing image intensified night vision devices. While the AN/PVS-7 and AN/PVS-14 systems support the Legacy Force, the ENVG program will take the best legacy systems attributes and combine them with emerging technologies to support the Legacy to Objective Force transition path of the Transformation Campaign Plan (TCP).

Justification:

FY 2002 and 2003 funds will continue procurement of AN/PVS-7 & ANPVS-14 systems. Fielding continues to Special Operations Forces, 75th Ranger Regiment, 10th Mountain, and Brigade Combat Team (BCT) units. These systems will provide the Legacy and Interim Force the capability to continue "Owning the Night" while development of the next generation night vision goggle is performed.

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

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:

Other Related Program Elements:

This next generation goggle, the Enhanced Night Vision Goggle (ENVG), will support transition of fused sensor technology to the Objective Force in concert with the Transformation Campaign Plan (TCP). The ENVG will uphold the Army Objective Force Tenets of lethality, mobility, and survivability and emphasize the "Soldier as a System." The ENVG will be an integral component in allowing the Army to regain "Own the Night" dominance and support the goals and vision of the Infantry Force Modernization Plan. The AN/PVS-7, AN/PVS-14, & ENVG will enable the Legacy, Interim, and Objective 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.

The procurement quantities should reflect:

Prior - 188340, FY00 - 7525, FY01 - 16363, FY02 - 8960, FY03 - 7156, FY04 - 8454,
FY05 - 4248, FY06 - 4293 and FY07 - 4382.

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: June 2001		
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	22605	7525	3	35685	11763	3	31084	8960	3			
25MM GEN III Image Tubes		8652	3336	3	2855	935	4						
25MM Mntng Brckts, Rail grabbers, etc.		8341			2308								
Government Engineering Support		1300			589			588					
Project Management Admin		866			627			655					
Fielding		1694			1553			808					
Contractor Engineering Support		1016			1645			939					
Engineering Change Order (ECO)		42											
Data/Technical Pubs		45											
Testing		300			376								
2nd BCT (PVS-7/14) H/W					14101	4600	4						
Training Aid					100								
Total		44861			59839			34074					
Total		44861			59839			34074					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	ITT ROANOKE, VA	Option	CECOM	Feb 00	Jun 00	3007	3	YES		
FY 2000	LITTON TEMPE, AZ	Option	CECOM	Feb 00	Sep 00	4518	3	YES		
FY 2001	ITT ROANOKE, VA	Option	CECOM	Dec 00	Jul 01	4745	3	YES		
FY 2001	LITTON TEMPE, AZ	Option	CECOM	Feb 01	Oct 01	7018	3	YES		
FY 2001	ITT ROANOKE, VA	Option	CECOM	Mar 01	Dec 01	2301	3	YES		
FY 2001	LITTON TEMPE, AZ	Option	CECOM	Mar 01	Dec 01	2299	3	YES		
FY 2002	TBS TBD	C/FPM	CECOM	Jan 02	Oct 02	8960	3	NO	4Q FY01	4Q FY01
25MM GEN III Image Tubes										
FY 2000	LITTON TEMPE, AZ	Option	CECOM	Apr 00	May 00	3336	3	YES		
FY 2001	ITT ROANOKE, VA	Option	CECOM	Mar 01	Mar 02	273	4	YES		
FY 2001	LITTON TEMPE, AZ	Option	CECOM	Mar 01	Mar 02	662	4	YES		

REMARKS: The two Mar 01 awards are BCT procurements.
Contract durations for FY02& FY03 procurements are TBD.
FY00 & FY01 procurements will be executed on existing Omnibus contracts.

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

Appropriation/Budget Activity/Serial No:
Other Procurement, Army /2/COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 Item Nomenclature
SNIPER NIGHT SIGHT (K41500)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	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											
Gross Cost	180.3			1.8								
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)	180.3			1.8								
Initial Spares												
Total Proc Cost	180.3			1.8								
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The AN/PVS-10, Sniper Night Sight (SNS) is an integrated day/night system that mounts on the existing rail of the M24 sniper rifle. The SNS provides the sniper with the capability to accurately fire his weapon at night to a range of 600 meters and during the day to a range of 800 meters. The SNS utilizes state of the art third generation image intensification technology for night operations. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP)

Justification:

The FY2001 funds will procure the entire Interim Brigade Combat Team requirement for 180 SNS (30 per each of the BCT). There are no FY02/03 funds for this program. SNS is an integral component of the "Own the Night" initiative and supports the lethality tenet of the Army Objective Force. SNS enables snipers to dominate and win the close fight with individual combatant overmatch during day and night operations across the full spectrum of conflict. SNS will be fielded as a component of the M24 sniper rifle to the Interim Brigade Combat Teams. The Basis of Issue is one per M24 sniper weapon. Each of the six Interim Brigade Combat Teams will have thirty M24 sniper weapons. A total quantity of 180 Sniper Night Sights will be procured for the six brigades. With this procurement of systems, the snipers will have the capability to accurately fire the M24 sniper rifle at night.

There are currently no funds for this program in FY 2002 or FY2003.

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: June 2001			
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 Program Management Admin						1665 120	180	9						
Total						1785								

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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	Apr 01	Mar 02	180	9	Yes		

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

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

Appropriation/Budget Activity/Serial No:
Other Procurement, Army /2/COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 Item Nomenclature
LONG RANGE ADVANCED SCOUT SURVEILLANCE SYSTEM (K38300)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	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							
Gross Cost			45.0	45.7	44.5							
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)			45.0	45.7	44.5							
Initial Spares												
Total Proc Cost			45.0	45.7	44.5							
Flyaway U/C												
Wpn Sys Proc U/C			750.6	593.9	556.7							

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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 determines far target location (FTL) coordinates for any target ranged to by the operator. This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP). LRAS3 supports the digital network by interfacing with FBCB2 to transmit this FTL information.

Justification:

The FY 2002 and FY 2003 funds will continue the procurement of LRAS3, with the systems being fielded to the 1st Cavalry Division and 4th Infantry Division, directly in line with the Army Order of Precedence (AOP). The Long Range Advanced Scout Surveillance System (LRAS3) program is one of the top priority systems of the US Armor School and Center and HQ TRADOC. 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 Second Generation FLIR (SGF) thermal sensor, which will enable the scouts to function 24 hours a day in adverse weather and penetrate battlefield obscurants. LRAS3 will significantly increase the survivability of scout forces allowing them to continue their mission as the eyes of the commander in the battlefield. 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: June 2001		
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	41219	60	687	35355	77	459	35987	80	450			
Engineering Support		1905			2110			2212					
Project Management Admin		635			703			737					
Engineering Change Orders					951			890					
Testing		429			3187			1204					
Fielding		849			1703			58					
Interim Contractor Support					1724			3447					
Total		45037			45733			44535					
Total		45037			45733			44535					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	Raytheon Systems Co. McKinney, TX	C/FPM5-1	CECOM	Mar 00	May 01	60	687	Yes		
FY 2001	Raytheon Systems Co. McKinney, TX	C/FPM5-2	CECOM	Dec 00	Feb 02	77	459	Yes		
FY 2002	Raytheon Systems Co. McKinney, TX	C/FPM5-3	CECOM	Dec 01	Feb 03	80	450	Yes		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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:

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	266	36	124	28	16							
Gross Cost	7.2	5.2	4.9	1.2	1.3							
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)	7.2	5.2	4.9	1.2	1.3							
Initial Spares												
Total Proc Cost	7.2	5.2	4.9	1.2	1.3							
Flyaway U/C												
Wpn Sys Proc U/C		143.72222	39.25806	42.39286	83.68750							

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

K30800, AN/PVH-1&2 Lightweight Video Reconnaissance System (LVRS) is a system that captures and transmits still frame video images through military radios. The images are captured with a portable AN/PVH-1 LVRS Out Station, that has the ability for the user to attach operational intelligence messages and then transmit the captured images and intelligence to the AN/PVH-2 LVRS Base Station for intelligence analysis and further dissemination. The LVRS is an "Own the Night" initiative that 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. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

Justification:

FY02/03 funds will procure systems for fielding to United States Special Operations Command (USASOC) and to the Brigade Combat Teams. 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.

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

Appropriation/Budget Activity/Serial No:
Other Procurement, Army /2/COMMUNICATIONS AND ELECTRONICS EQUIPMENT

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

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	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	4726	1014	1160	1449	1602							
Gross Cost	91.6	40.0	40.1	36.0	35.1							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	91.6	40.0	40.1	36.0	35.1							
Initial Spares												
Total Proc Cost	91.6	40.0	40.1	36.0	35.1							
Flyaway U/C												
Wpn Sys Proc U/C		26.3	30.0	25.0	21.0							

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

K22900, AN/PAS-13 is a Thermal Weapon Sight (TWS) developed for use with a variety of Infantry individual and crew served weapons. 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. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

Justification:

FY02/03 funds will procure TWS systems for fielding to Special Operations Forces, 25th Infantry, 10th Mountain Division, 82nd Airborne, 101st ID, TRADOC and Military Police. TWS is an integral component of the "Own the Night" initiative and 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 IBCT dismount soldiers and may be required as Government Furnished Equipment (GFE) as the target acquisition system for the platform crew served weapon on the Interim Armored Vehicle (IAV).

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: June 2001		
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)													
AN/PAS-13 TWS Heavy	A	9635	530	18	17291	1014	18	17291	1014	18			
AN/PAS-13 TWS Medium		10434	630	17	7424	435	18	3805	214	18			
AN/PAS-13 TWS Light								3805	374	10			
Qualification of Competitive Sources		5859			2042			2137					
Government Engineering Support		848			999			1046					
Project Management Admin		260			876			1365					
Fielding		6331			3253			3501					
Contractor Engineering Support		630			827			781					
Interim Contractor Support					1684			653					
Testing		121			626			400					
ECP		5980						350					
Facilitization for BCT					993								
Total		40098			36015			35134					
Total		40098			36015			35134					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
AN/PAS-13 Thermal Weapon Sight (TWS)										
FY 2000	Raytheon Dallas, TX	C/FPM5-3	CECOM	FEB 00	AUG 02	1160		Yes		
FY 2001	Raytheon Dallas, TX	C/FPM5-4	CECOM	JUN 01	APR 02	1449		Yes		
FY 2002	Raytheon Dallas, TX	C/FPM5-5	CECOM	DEC 01	OCT 02	1602		Yes		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	400							
Gross Cost				10.9	8.5							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)				10.9	8.5							
Initial Spares												
Total Proc Cost				10.9	8.5							
Flyaway U/C												
Wpn Sys Proc U/C				0.1	0.0							

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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 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. MSIII is scheduled for 1QFY04. 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 transition path of the Transformation Campaign Plan (TCP).

Justification:

FY02/03 procures ICIDS to establish a ramp up to production. Low Rate Initial Production (LRIP) units will be fielded to the DA approved Order of Precedence (AOP) in accordance with 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: COMBAT IDENTIFICATION / AIMING LIGHT (BA0515)			Weapon System Type:			Date: June 2001		
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. NRE/Initial Production Facility (IPF)					5455								
2. ICIDS					5171	100	52	5577	400	14			
3. Project Management Admin					250			680					
4. System Test and Evaluation								550					
5. Technical Data					26			21					
6. ECOs					37			1675					
7. Fielding/Other Procurement													
Total					10939			8503					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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	Aug 01	Jan 03	100	52	No	NA	Mar 01
FY 2002	Motorola Scottsdale, AZ	SS/Option	CECOM, Ft. Monmouth, NJ	Feb 02	Mar 03	400	14			

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:

June 2001

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	876	159	150	134	72							
Gross Cost	340.9	10.8	4.3	14.3	10.4							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	340.9	10.8	4.3	14.3	10.4							
Initial Spares												
Total Proc Cost	340.9	10.8	4.3	14.3	10.4							
Flyaway U/C												
Wpn Sys Proc U/C		0.0	0.0	0.0	0.0							

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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).

Justification:

The FY02 & 03 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: June 2001			
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			4255			3444			3148					
Meterological Measuring System						10829			6781					
Position Azimuth Determining System (PAD)									484					
Total			4255			14273			10413					

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	150	120	72							
Gross Cost	30.0	4.3	4.3	3.4	3.1							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	30.0	4.3	4.3	3.4	3.1							
Initial Spares												
Total Proc Cost	30.0	4.3	4.3	3.4	3.1							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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

Justification:

The FY02 & FY03 procurement's support fielded units and readiness requirements for both conventional and Paladin versions of the Muzzle Velocity System.

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	7							
Gross Cost	124.4	6.5		10.8	6.8							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	124.4	6.5		10.8	6.8							
Initial Spares												
Total Proc Cost	124.4	6.5		10.8	6.8							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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.

Justification:

The FY02 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.

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: June 2001			
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			548					
4. Fielding						189			100					
5. Program Management Admin						131			181					
Total						10829			6781					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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:

June 2001

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											
Gross Cost	177.7				0.5							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	177.7				0.5							
Initial Spares												
Total Proc Cost	177.7				0.5							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The improved Position and Azimuth Determining System (IPADS) will be a non-developmental item (NDI) procurement that will replace the PADS. The IPADS is a self-contained inertial positioning system capable of rapidly determining accurate position, elevation and azimuth when utilized in either ground or airborne survey operations. IPADS will be used by artillery and air defense surveyors to provide a secure all-weather day-night means for rapidly extending survey control to satisfy demands of mobile weapon systems. The system is and will continue to be required in support of Field Artillery and Air Defense Artillery Missions. The IPADS will replace the currently fielded PADS, which exhibits low reliability and uses 1970's technology. The PADS has become an extremely high maintenance cost system and has a severe impact on the readiness of using units. The improved PADS will provide users with a reliable, maintainable system to meet future warfighter requirements.

Justification:

FY02 funds will update the PADS specification and develop the IPADS Acquisition Program Documentation. FY03 funding will procure IPADS production 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: POSITION AZIMUTH DETERMINING SYS (PADS) (M75700)			Weapon System Type:			Date: June 2001		
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	A							420	3	140			
2. Engineering Support								64					
3. Quality Support													
4. Logistics Support													
Contracted In-House													
5. Testing													
6. First Destination Transportation (FDT)													
7. Total Package Fielding (TPF)													
Total								484					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / COMMUNICATIONS AND ELECTRONICS EQUIPMENT		Weapon System Type:			P-1 Line Item Nomenclature: POSITION AZIMUTH DETERMINING SYS (PADS) (M75700)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
1. Hardware FY 2002	TBD	SS/FFP	TACOM - Rock Island	Jul 02	Jan 03	3	140	No		Apr 02

REMARKS: RFP Date of APR 02 First year of a 5 year contract, with deliery orders for FY03-FY07.

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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							
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)					0.9							
Initial Spares												
Total Proc Cost					0.9							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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 High Mobility Multipurpose Wheeled Vehicle (HMMWV) requirements data to 30KM.

Justification:

The FY02/03 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: June 2001

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 30KM.

The FY02 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					
	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																					

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

INDIVIDUAL MODIFICATION

Date: June 2001

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														0.9
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	40	0.9		0.0		0.0		0.0		0.0		0.0		0.0		0.9
Total Procurement Cost		0.0		0.0		0.9		0.0		0.0		0.0		0.0		0.0		0.0		0.9

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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					0.3							
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)					0.3							
Initial Spares												
Total Proc Cost					0.3							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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:

June 2001

Appropriation/Budget Activity/Serial No:
Other Procurement, Army /2/COMMUNICATIONS AND ELECTRONICS EQUIPMENT

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

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			3492									
Gross Cost			4.1									
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)			4.1									
Initial Spares												
Total Proc Cost			4.1									
Flyaway U/C												
Wpn Sys Proc U/C			1.2									

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This budget line item supports procurement of the Portable Inductive Artillery Fuze Setter (PIAFS) and Enhanced Portable Inductive Artillery Fuze Setter (E-PIAFS). The PIAFS is a hand held wand that can be used to set all NATO inductive artillery fuzes including the M762, M767 and XM782 Multi Option Fuze for Artillery (MOFA). The E-PIAFS, which includes the Platform Integration Kits (PIK) for the XM982 (Excalibur), a precision guided extended range 155mm artillery munition. E-PIAFS provides the Excalibur with approximately 1,000 times the amount of data required by traditional fuzes due to the use of a GPS guided navigation system. The E-PIAFS is a pre-planned product improvement to the PIAFS, and allows for inductive setting of GPS guided artillery munitions in addition to its current fuze setting capabilities. E-PIAFS will replace PIAFS in the M109A6 Self Propelled Howitzer (Paladin), and XM777 Towed Howitzer (LW155). The PIK is required to interface the E-PIAFS to the fire control and navigation systems within Paladin, and to the Digital Fire Control System in the LW155's. This system supports the Legacy-to-Objective transition path of the Transformation Path (TCP).

Justification:

The FY03 funding supports procurement of the E-PIAFS and the PIK's needed to support the qualification, operational testing, and fielding of the XM982. E-PIAFS is required in the Paladin, and LW155. The Crusader design includes the capabilities of these items, and the M198 and pre-A6 models of the M109 self propelled howitzers also do not need these items due to their lack of digital fire control and navigation systems. Qualification testing of the XM982 is scheduled to begin in FY03, therefore procurement of the E-PIAFS and platform Integration Kits is critical to allow for full system qualification testing, early operational assessment, Independent Operational Test & Evaluation, and subsequent fielding of the Army's most advanced artillery munition.

Acquisition Manager: PM ARMS

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	21.5							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	360.1	16.1	25.3	23.3	21.5							
Initial Spares												
Total Proc Cost	360.1	16.1	25.3	23.3	21.5							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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:

FY02-03 procures the following:

- a. Procurement and fielding of AN/TPQ-36(V)8 modification kits.
- b. Procurement and fielding 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.

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

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:

Procurement and fielding of Modular Azimuth Positioning System (MAPS) Hybrid to the Firefinder AN/TPQ-37 systems which provides self-survey capability.

Exhibit P-40M, Budget Item Justification Sheet

Date:

June 2001

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	21.4	18.3	0.0	0.0	0.0	0.0	0.0	0.0	148.7
	AN/TPQ-36(V)8 Hardware/Software Mods	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1
	AN/TPQ-37 Fire Support Digitization	2.6	0.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0	5.0
	AN/TPQ-37 MAPS Hybrid	0.7	1.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	3.5
	Totals	118.4	23.3	21.6	0.0	0.0	0.0	0.0	0.0	0.0	163.3

INDIVIDUAL MODIFICATION

Date: June 2001

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 forty-six (46) AN/TPQ-36(V)8 modification kits. FY01-05 funding will procure and install an additional thirty-nine (39) modification kits.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Milestone III was approved in 3QFY96. A Full Rate Production contract for eleven (11) modification kits was awarded in 4QFY96. An option for eleven (11) kits was awarded in 2QFY97. Initial Operational Capability (IOC) was accomplished 4QFY98. A contract for seven (7) modification kits was awarded Sep 99. A contract for an additional nine (9) kits was awarded in Mar 00. Contract award for procurement of twelve (12) kits is scheduled for 4QFY01.

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	30		1	3	6	2	3															
Outputs	30		1	3	6	2	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																						
Outputs																						

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

INDIVIDUAL MODIFICATION

Date: June 2001

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		12		10															
Equipment		57.9		17.5		13.1														88.5
Equipment (Non-Recurring)		24.8																		24.8
Ancillary Hardware		1.7		1.2		2.4														5.3
Data		3.4																		3.4
Engineering Support		6.2		0.9		1.1														8.2
Fielding		1.1		0.6		0.5														2.2
Training Equipment		5.1																		5.1
Pre-Mod Depot Maint		1.1		0.3		0.3														1.7
Computer Hdw/Sw Upgrades		0.3																		0.3
PM Admin		5.9		0.6		0.6														7.1
Installation of Hardware																				
FY 2000 & Prior Equip -- Kits	30	1.5	10	0.3	5	0.3														2.1
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	30	1.5	10	0.3	5	0.3		0.0		0.0		0.0		0.0		0.0		0.0		2.1
Total Procurement Cost		109.0		21.4		18.3		0.0		0.0		0.0		0.0		0.0		0.0		148.7

INDIVIDUAL MODIFICATION

Date: June 2001

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. FY01 to FY04 funds the procurement of hardware/software and installation of the kits.

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 forty-eight (48) modification kits to fulfill the total Army requirement. Fielding will begin in 3QFY03.

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																			
Outputs	2																			

	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																		

METHOD OF IMPLEMENTATION: Contractor ADMINISTRATIVE LEADTIME: 0 Months PRODUCTION LEADTIME: 9 Months

Contract Dates: FY 2002 2QFY02 FY 2003 1QFY03 FY 2004

Delivery Date: FY 2002 1QFY03 FY 2003 4QFY03 FY 2004

INDIVIDUAL MODIFICATION

Date: June 2001

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				24															
Installation Kits																				
Installation Kits, Nonrecurring																				
Equipment		0.5		0.6		0.9														2.0
Equipment, Nonrecurring		0.3																		0.3
Integration		0.3																		0.3
Engineering Support		0.2		0.1		0.2														0.5
SEC/Training		0.2				0.2														0.4
Trainer		0.6																		0.6
PM Admin		0.3		0.1		0.1														0.5
Contractor Support		0.1		0.1		0.1														0.3
Installation of Hardware																				
FY 2000 & Prior Equip -- Kits	2	0.1																		0.1
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	2	0.1		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.1
Total Procurement Cost		2.6		0.9		1.5		0.0		0.0		0.0		0.0		0.0		0.0		5.0

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	1517	1777							
Gross Cost			66.2	62.2	74.7							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)			66.2	62.2	74.7							
Initial Spares				0.9	1.4							
Total Proc Cost			66.2	63.0	76.1							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The mission of PM FBCB2 is to develop, acquire, test and field a digital information system that provides mounted and dismounted tactical combat, combat support, and combat service support commanders, leaders and soldiers, integrated, on-the-move, real-time/near real-time, Situational Awareness (SA) and Command and Control (C2) information. This capability will be fielded from brigade down to the soldier/platform level across all Battlefield Functional Areas (BFAs), and include other division and corps elements necessary to support brigade operations. FBCB2 will be integrated into the mounted and dismounted maneuver (divisional, separate, heavy and light) cavalry/reconnaissance and armored cavalry, mechanized infantry and aviation units. PM FBCB2 is developing, and delivering the Applique (computer, software, and installations kits), which are integrated into various platforms. Battlefield digitization allows the Army's primary weapons and battle command systems to see, acquire and engage threats while sharing the same information with equal clarity, using advanced technologies and digital communications. These platforms are connected through a communications infrastructure called the Tactical Internet (TI). Interoperability is accomplished through the use of joint standard message formats for the exchange of overlays, orders and command and control messages/SA. The FBCB2 system and TI provide the power of the network to share SA and C2 information toward the efficient use of resources within the enemy's decision cycle. FBCB2 is integrated with the Army Tactical Command and Control System (ATCCS) located within the brigade and battalion. The interfaces between FBCB2 and ATCCS systems will provide users at all levels a common picture of their battlespace. This seamless digitization (computer with graphics display, global positioning system, communication links and command and control software) will be applied across the Army. This system supports the legacy to objective path of the Transformation Campaign Plan (TCP).

Justification:

NOTE: The total Army Acquisition Objective (AAO) number is 59522. This includes 56,435 FBCB2 systems and 3087 Abrams/Bradley appliques funded in accordance with the Horizontal Technology Integration (HTI) policy.

NOTE: Cost for FBCB2 has been increased to reflect funding for FBCB2 IAV Appliques (approximately \$15 million per year 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: FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2) (W61900)			Weapon System Type:			Date: June 2001		
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
Non Recurring Engineering		5189											
H/W-Applique & Installation Kits		40123	1718	23	36787	1517	24	40451	1777	23			
System Engineering/Program Management													
Government		2457			2518			4676					
Contractor		1665			1691			1719					
Engineering Change Proposals		1390			1296			1429					
Test		2123			1328			97					
Training		157											
Support Equipment		66			70			68					
Fielding													
Fielding & Installation		4869			5052			5183					
Contractor Logistics Support		4139			4329			2376					
Repair Parts		4001			3426			643					
Software Support								1687					
*Other					2614			1275					
IBCT					3050								
IAV Applique								15059					
Total		66179			62161			74663					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	TRW (Litton/Paravant) Carson, CA	SS/FPIF	CECOM C4IEWS	Jan-00	Jun-00	1718	23	YES		Dec-99
FY 2001	TRW (Litton/Paravant) Carson, CA	SS/FPIF	CECOM C4IEWS	Nov-00	Jun-01	1517	24	YES		Dec-99
FY 2002	TRW (Litton/Paravant) Carson, CA	SS/FPIF	CECOM C4IEWS	Nov-01	Jun-02	1777	23	Yes		Dec99

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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:
0604710A, L70 and L76

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				20	18							
Gross Cost				7.0	7.1							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)				7.0	7.1							
Initial Spares												
Total Proc Cost				7.0	7.1							
Flyaway U/C												
Wpn Sys Proc U/C				0.0	0.0							

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The Lightweight Laser Designator Rangefinder (LLDR)(AN/PED-1) is a modular system designed for 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 just 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:

FY02/03 funds will procure this critical capability for fielding to the Brigade Combat Team (BCT) - 1st BCT, BCT TDA (Training), 2nd BCT (FY01 & FY02), and First Digital Corps - 4th MX, 1st CAV (FY02 & FY03). LLDR is a component in the Army Transformation Strategy. The LLDR meets an urgent requirement for precision target location and engagement for the artillery fire support teams, the STRIKER system, and the Marine Corps fire support teams.

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: June 2001		
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
K31100 AN/PED-1 LLDR	B				6313	20	316	6049	18	337			
Engineering Support					450			599					
Project Management Admin					150			200					
Engineering Change Order					69			118					
Fielding					47			93					
Total					7029			7059					
Total					7029			7059					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
K31100 AN/PED-1 LLDR										
FY 2001	Northrup Grumman/Litton Laser Apopka, FL	SS/FPM4-1	CECOM	Jul 01	Oct 02	20	316	Yes		Jan 01
FY 2002	Northrup Grumman/Litton Laser Apopka, FL	SS/FPM4-2	CECOM	Jan 02	Aug 03	18	337	Yes		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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											
Gross Cost	38.6		2.8	1.6								
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)	38.6		2.8	1.6								
Initial Spares												
Total Proc Cost	38.6		2.8	1.6								
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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. The Mortar Ballistic Computer supports legacy and interim transition paths of the Transformation Campaign Plan. The ballistic software developed and maintained by this program will support the objective transition path of the Transformation Campaign Plan.

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:

June 2001

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				157	104							
Gross Cost				7.3	16.8							
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)				7.3	16.8							
Initial Spares												
Total Proc Cost				7.3	16.8							
Flyaway U/C												
Wpn Sys Proc U/C				0.0	0.2							

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The digital Mortar Fire Control System (MFCS) is a revolutionary improvement in mortar capability, seamlessly linking mortar fires in the future digital battlefield. MFCS allows mortar platoons to maintain TEMPO by providing digitally linked responsive, accurate fire support to maneuver battalions. MFCS dramatically increases survivability with setup times going from 8 minutes to 1 minute, soldiers not having to dismount, semi-autonomous operations and a shoot and scoot capability similar to Paladin. MFCS significantly reduces the probability of fratricide through situational awareness. MFCS maximizes the lethality of the battalion commander's organic 120mm mortars by reducing the circular error probability (CEP) from 230 meters for the current aiming circle to 60 meters. The MFCS is fully compatible with the Advanced Field Artillery Tactical Data System (AFATDS) and links mortars, for the first time, to digital fire support planning and execution by the fire control officer.

The Mortar Fire Control System supports the legacy-to-objective transition path of the the Army Transformation Campaign Plan.

Justification:

FY02 funds will procure 32 MFCS Heavy Guns and 7 Heavy FDCs to be fielded to the 1st Cavalry Division. FY02 Procurement represents 62 Commander's Interfaces and 42 MFCS Systems, of which 3 are Trainers.

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: June 2001		
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													
MFCs Commander's Interface					6671	157	42	2990	62	48			
MFCs for M121 120mm Mortar								6992	32	219			
MFCs for M577 Fire Direction Center								171	7	24			
MFCs Heavy Trainer								615	3	205			
Subtotal Hardware					6671			10768					
PROCUREMENT SUPPORT													
Contractor Logistic Support					291			584					
Production Engineering								2000					
Government ILS								300					
Post Deployment Software Support								1100					
Proof and Acceptance								250					
Fielding and New Equipment Training								150					
SUBTOTAL PRODUCTION SUPPORT					291			4384					
NON RECURRING COSTS													
PCA/ First Article					311			933					
Engineering Data								450					
Manuals								250					
Other NRE													
SUBTOTAL NRE					311			1633					
TOTAL					7273			16785					
Total					7273			16785					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
MFCS Commander's Interface										
FY 2001	TBD	C/FP	TACOM	MAY 01	OCT 01	157	42	no	APR 01	
FY 2002	TBD	OPT	TACOM	MAR 02	JUL 02	62	48	no	APR 01	
MFCS for M121 120mm Mortar										
FY 2002	TBD	OPT	TACOM	MAR 02	JUN 03	32	219	No	FEB 02	
MFCS for M577 Fire Direction Center										
FY 2002	TBD	OPT	TACOM	MAR 02	JUN 03	7	24	no	FEB 02	
MFCS Heavy Trainer										
FY 2002	TBD	OPT	TACOM	MAR 02	APR 03	3	205	No	FEB 02	

REMARKS: Fire Direction Center and Guns assigned to Division Cavalry Squadrons and Armored Cavalry Regiments will receive early fielding of the MFCS Commander's Interface Computer. MFCS Commander's Interface to be procured on new consolidated Mortar Fire Control Contract, which will include options for Mortar Fire Control System (Heavy & Light) Production, MFCS Light Development and other fire control efforts.

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	23											
Gross Cost	22.7	4.8	5.4	7.0	2.5							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	22.7	4.8	5.4	7.0	2.5							
Initial Spares												
Total Proc Cost	22.7	4.8	5.4	7.0	2.5							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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). This upgrade moves from the single configuration to a more versatile concept, e. g., 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.

Justification:

FY02 and 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 RDA. FY02 funds final integration, assembly and fielding of the VMC hardware procured in FY01. Additionally, FY02 provides for the procurement of (9) IMETS Lights.

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

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:

MS III is scheduled for 3Q02. FY03 procures (25) LCs and (3) CPCs, (1) I-BCT System 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: June 2001		
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													
--Block II IMETS (VMC)		2603	7	371.9	2975	8	371.9						
--IMETS Light (LC)					495	8	61.9	556	9	61.8			
--IMETS Command Post (CPC)													
--Block II IMETS Training Sets					177	1	177.4						
Project Management Administration		300			300			300					
Engineering Support		1560			1598			700					
Contractor Support		239			320			320					
Fielding		743			975			531					
IBCT					114			114					
TOTAL													
Total		5445			6954			2521					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	Logicon RDA Lakewood, Washington	C/Option	CECOM	Nov 99	Apr 00	7	372			
FY 2001	Logicon RDA Lakewood, Washington	C/Option	CECOM	Nov 00	Apr 01	8	372			
--IMETS Light (LC)										
FY 2001	TBD	GSA Sched	CECOM	Jun 01	Sep 01	8	62			
FY 2002	TBD	GSA Sched	CECOM	May 02	Aug 02	9	62			
--IMETS Command Post (CPC)										
--Block II IMETS Training Sets										
FY 2001	Logicon RDA Lakewood, Washington	C/Option	CECOM	Nov 00	Apr 01	1	177			

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	57.6	39.0							
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)		34.0	34.8	57.6	39.0							
Initial Spares												
Total Proc Cost		34.0	34.8	57.6	39.0							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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 02/03 procure integrated digitized physical infrastructure (platforms and networks) that operates 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. \$35.847 million of the FY 01 funding shown above is attributed the the \$200 million Congressional increase for the 2nd Initial Brigade Combat Team (IBCT).

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: June 2001		
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. System Integration/Hardware		21820			14611			15467					
2. Project Management Administration		2063			2188			2400					
3. Fielding (TPF,NET,FDT)		2993			2000			4485					
4. Interim Contractor Support (ICS)		1105			1680			3600					
5. Engineering Support		1596			1280			3000					
6. IBCT		5200											
7. 2d IBCT					35847								
8. 3d IBCT								10000					
9. 4th IBCT													
Total		34777			57606			38952					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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	4QFY01					
FY 2001	TRW Huntsville, AL	C/CPIF	AMCOM	1QFY01	2QFY01					
FY 2002	Motorola Scottsdale, AZ	C/CPFF	AMCOM	1QFY02	2QFY02					
FY 2002	TRW Huntsville, AL	C/CPIF	AMCOM	1QFY02	2QFY02					

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

Appropriation/Budget Activity/Serial No:
Other Procurement, Army /2/COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 Item Nomenclature
ADV FIELD ARTILLERY TACT DATA SYS (AFATDS) (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	39.3	43.9	58.6	49.5							
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)	34.7	39.3	43.9	58.6	49.5							
Initial Spares	1.6	2.1	2.4	2.6	2.8							
Total Proc Cost	36.3	41.4	46.2	61.2	52.3							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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 AFATDS supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP). The legacy system support comes from the successful fielding of AFATDS Version A96, A97, and A98. The objective system support emanates from AFATDS Version 9 as 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.

Justification:

FY02/03 will procure 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. FY02 funds will completely procure 3 Field Artillery Brigades and 1 each Light Infantry Division and Multi Launch Rocket System Company. It will also procure the NCUs to backfill previously fielded units. The FY03 funds will completely procure 6 Field Artillery Brigades, 2 ACRs, and 2 Heavy Infantry 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: ADV FIELD ARTILLERY TACT DATA SYS (AFATDS) (B28600)			Weapon System Type:			Date: June 2001		
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		22285	274		32604	328		23789	214				
Program Mangement Administration		1825			1984			1950					
Engineering Support		6070			5941			7339					
Interim Contractor Support		10454			8258			10251					
Fielding													
Total Package Fielding		810			888			896					
New Equipment Training		2412			3876			5251					
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. spares													
Total		43856			58551			49476					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / COMMUNICATIONS AND ELECTRONICS EQUIPMENT		Weapon System Type:			P-1 Line Item Nomenclature: ADV FIELD ARTILLERY TACT DATA SYS (AFATDS) (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 2000	General Dynamics Taunton, MA	C/OPTION	CECOM	JAN-00	MAY-00	274		yes		
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	214		yes		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

Appropriation/Budget Activity/Serial No:
Other Procurement, Army /2/COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 Item Nomenclature
LIGHT WEIGHT TECHICAL 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	287.9		1.2	1.0	1.7							
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)	287.9		1.2	1.0	1.7							
Initial Spares												
Total Proc Cost	287.9		1.2	1.0	1.7							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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. The Battery Computer System (BCS) is the Command and Control System used for tactical and technical fire control of cannon artillery. The LWTFDS program consists of ported BCS software (originally fielded under the Fire Support Ada Conversion (FSAC) program) to a lightweight, ruggedized, handheld technical fire direction computer.

In February 2001, the FSAC program name officially changed to the LWTFDS. The FSAC program consists of two software programs BCS/Fire Direction System (FDS) that provide Command and Control at Corps through platoon. FDS provides tactical fire control for the field artillery rockets and missiles at battalion, battery and platoon echelons.

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

Justification:

FY02/03 funding procures the upgrade of Ruggedized Handheld Computers (RHCs) with PCMCIA hard disk drive cards to support BCS software. Funding also provides for the procurement of various hardware upgrades to maintain technical capacity of BCS/FDS to support Package 11/Version 7 software requirements.

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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							
Gross Cost	23.0	9.2	19.8	27.0	25.2							
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)	23.0	9.2	19.8	27.0	25.2							
Initial Spares	1.6	0.2	0.1									
Total Proc Cost	24.5	9.4	20.0	27.0	25.2							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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 provide comprehensive combat service support capabilities and exchange 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 OPA requirement for CSSCS based on approved 1998 ORD is 3,120 systems. This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

Justification:

JUSTIFICATION: FY02/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: June 2001		
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
High Capacity Computer Unit (HCU) HW		5732	129	44.4	6908	156	44.3						
Versatile Computer Unit (VCU) HW		3457	84	41.2	8110	203	40.0	2904	66	44.0			
Standardized Integrated Com.Post Systems								6924					
Hardware Upgrade					1873			5630					
PM Admin		1302			1341			1398					
Engineering Support		1266			1127			1112					
Total Package Fielding (TPF)		2361			2338			2165					
New Equipment Training (NET)		2159			2050			1785					
First Destination Trans (FDT)		301			553			531					
Interim Contractor Support (ICS)													
Software Support		2921			2456			2529					
Other		337			200			223					
Total		19836			26956			25201					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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										
FY 2000	General Dynamics Taunton, MA	C/FP/OPT	CECOM	Jan 00	May 00	129	44	Yes		
FY 2001	General Dynamics Taunton, MA	C/FP/OPT	CECOM	Jan 01	May 01	156	44	Yes		
Versatile Cuputer Unit (VCU) HW										
FY 2000	General Dynamics Taunton, MA	C/FP/OPT	CECOM	Jan 00	May 00	84	41	Yes		
FY 2001	General Dynamics Taunton, MA	C/FP/OPT	CECOM	Jan 01	May 01	203	40	Yes		
FY 2002	General Dynamics Taunton, MA	C/FP/OPT	CECOM	Jan 02	May 02	66	44	Yes		

REMARKS: PM CSSCS procures and fields ABCS 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:

June 2001

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												
Gross Cost	128.0	25.5	10.5	32.1	8.9							
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)	128.0	25.5	10.5	32.1	8.9							
Initial Spares												
Total Proc Cost	128.0	25.5	10.5	32.1	8.9							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The Forward Area Air Defense Command, Control and Intelligence (FAAD C2I) System is the first C2I System to digitize. FAAD C2I provides critical, automated threat aircraft, cruise missile and unmanned aerial vehicle (UAV) Battle Management/Command, Control, Communication, 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:

FY02/03 dollars will be used to procure, integrate, and field Common Hardware Software (CHS) computers, displays and tactical software for two (2) National Guard Units and the 2d IBCT by the end of 2002. 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.

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

Appropriation/Budget Activity/Serial No:

Other Procurement, Army /2/COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 Item Nomenclature

FAAD C2 (AD5050)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

FAAD C2 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: June 2001		
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. System Integration/Hardware		7513	2	3757	8407	2	4204	3775	1	3775			
2. Project Management Administration		844			2565			712					
3. Fielding													
TPF		111			152			162					
NET		664			1121			197					
FDT		90			78			16					
4. Interim Contractor Support		769			1946			526					
5. Engineering Support		557			3336			3512					
6. 263d SC ARNG AAMDC/AMDPCS					11791								
7. 2d IBCT					2670								
Total		10548			32066			8900					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	General Dynamics Government Taunton, MA	C/Option	CECOM	DEC 99	APR 00	2	3757	YES		
FY 2001	General Dynamics Government Taunton, MA	C/Option	CECOM	DEC 00	APR01	2	4204	YES		
FY 2002	General Dynamics Government Taunton, MA	C/Option	CECOM	DEC 01	APR 02	1	3775	YES		

REMARKS: The above hardware is COTS.

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

Appropriation/Budget Activity/Serial No:
Other Procurement, Army /2/COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 Item Nomenclature
FAADC2I MODIFICATIONS (AD5090)

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			7.8									
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)			7.8									
Initial Spares												
Total Proc Cost			7.8									
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The Forward Area Air Defense Command, Control and Intelligence (FAAD C2I) System provides critical automated threat aircraft, cruise missile and Unmanned Aerial Vehicle (UAV) Battle Management/Command, Control, Communication, and Intelligence 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 Command, Control and Intelligence (C2I) information to all Short Range Air Defense (SHORAD) weapons [Avenger, Linebacker, Manportable Air Defense System, 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 System (SINCGARS), Enhanced Position Location Reporting System (EPLRS), Global Positional 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. FAAD C2I is the first system to digitize for the First Digitized Division/First Digitized Corps (FDD/FDC). This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

Justification:

Funding for FY 01 and beyond has been moved to AD5050.

Exhibit P-40M, Budget Item Justification Sheet

Date:

June 2001

Appropriation/Budget Activity/Serial No:
Other Procurement, Army /2/COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 Item Nomenclature
FAADC2I MODIFICATIONS (AD5090)

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
CHS Upgrade		7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8
Totals		7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8

INDIVIDUAL MODIFICATION

Date: June 2001

MODIFICATION TITLE: CHS Upgrade [MOD 1]

MODELS OF SYSTEM AFFECTED: N/A

DESCRIPTION/JUSTIFICATION:

Procures Common hardware Systems (CHS) computers, displays, software and ancillary equipment to upgrade non-supportable CHS-1 to CHS-2.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

N/A

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																						
Outputs																						

METHOD OF IMPLEMENTATION:

Contract Dates: FY 2002

Delivery Date: FY 2002

ADMINISTRATIVE LEADTIME:

FY 2003

FY 2003

3 Months

PRODUCTION LEADTIME:

FY 2004

FY 2004

12 Months

INDIVIDUAL MODIFICATION

Date: June 2001

MODIFICATION TITLE (Cont): CHS 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																				
Installation Kits																				
Installation Kits, Nonrecurring																				
Equipment		7.8																		7.8
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		7.8		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		7.8

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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												
Gross Cost			2.9	4.8	10.3							
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)			2.9	4.8	10.3							
Initial Spares												
Total Proc Cost			2.9	4.8	10.3							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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:

FY 2002/2003 dollars will be used to procure 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.

FY2003 dollars will complete procurement of objective system configuration for 31st ADA BDE for participation in the III (Digitized) Corps Capstone Exercises. Also continues 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: June 2001			
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			2256			3186			7964					
2. Project Management Administration			220			382			515					
3. Fielding (TPF,NET,FDT)			240			397			410					
4. Interim Contractor Support (ICS)			60			32			484					
5. Engineering Support			150			782			926					
Total			2926			4779			10299					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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		

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:

June 2001

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	15.9							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	100.2	20.7	14.9	18.9	15.9							
Initial Spares												
Total Proc Cost	100.2	20.7	14.9	18.9	15.9							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

In order to support the DoD mandated interoperability requirements and new user requirements, the Forward Entry Device (FED) was augmented by the Lightweight Forward Entry Device (LFED) in FY99. 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 Software (CHS) components including the Handheld Terminal Unit (HTU), Ruggedized Handheld Computer (RHC), and the Lightweight Computer Unit (LCU) with associated peripheral devices. Commencing in FY03, all Forward Observers will be fielded a Palm type device running modified FOS software.

The FY01-05 POM realigned the requirement for the BFIST/STRIKER from AFATDS to the LFED/FED program due to changes in the operational concept to utilize the FOS software. The hardware platform for the BFIST/STRIKER will consist of a mix of new and redistributed LCUs and RHCs.

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

Justification:

FY02/03 procures hardware, engineering, fielding and program management support.

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

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:

In FY02 the hardware which will be procured will be distributed to 6 Infantry Brigades, 3 Separate Armored Brigades, 3 Armored Cav Regiments, 1 Field Artillery Brigade, 1 Separate Mechanized Brigade, the 101st AASLT, the 10 LID, the 3 BDE, the NTC and TRADOC. In FY03 the hardware which will be procured will be distributed to 3 Separate Infantry Brigades, 3 Infantry Divisions and 1 Armored 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: FORWARD ENTRY DEVICE / LIGHTWEIGHT FED (FED/LFED) (BZ9851)			Weapon System Type:			Date: June 2001		
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		9679	389	24	11822	759	15	8836	703	12			
Project Management Administration		1634			1722			1815					
Engineering Support		1539			1326			2549					
Fielding		2002			1954			2715					
2nd IBCT					2100								
Note: Unit costs are not displayed because the hardware unit cost reflects the varying mix of HTUs, LCUs, IKs and other peripheral devices.													
Total		14854			18924			15915					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	GD and Litton Taunton, MA and San Diego, CA	C/OPTION	CECOM	JAN-00	MAY-00	389	24	YES		
FY 2001	GD and Litton Taunton, MA and San Diego, CA	C/OPTION	CECOM	JAN-01	MAY-01	759	15	YES		
FY 2002	GD Taunton, MA	C/OPTION	CECOM	JAN-02	MAY-02	703	12	YES		

REMARKS: The above hardware is COTS and is procured on the existing Common Hardware Systems (CHS II) contract.

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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							
Gross Cost		7.0	22.0	23.9	21.4							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)		7.0	22.0	23.9	21.4							
Initial Spares												
Total Proc Cost		7.0	22.0	23.9	21.4							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The Striker program integrates the Bradley Fire Support Vehicle (BFIST) mission equipment package (MEP) into a 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 Striker program will also leverage test and development activities, along with providing for Horizontal Contract Integration (HCI) across platforms. This strategy will reduce costs and acquisition time, while also affording greater adaptability of the Striker kit to common wheeled platforms. The system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

Justification:

FY02/03 procures 31 and 54 Striker vehicles respectively. Also funded is fielding for previous vehicles and Light Weight Laser Rangefinder Designator integration kits.

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: June 2001		
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		11277	35	322	14498	39	372	12572	31	406			
SUBTOTAL		11277			14498			12572					
Non Recurring Production													
2. Engineering Contractor		3966			1399			804					
3. Engineering Government		639			635			476					
4. Program Management Administration		190			189			142					
5. Reimbursable Matrix Support		156			155			116					
6. Fielding		654			1730			1683					
7. Test & Evaluation		215			250			254					
8. LtWt Laser Desgnt Rngfinder Intrgr					5007			5395					
9. TMDE (DSESTS)		4900											
SUBTOTAL		10720			9365			8870					
Total		21997			23863			21442					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	SEI, Sanford, FL	SS/FFP	USATACOM, Warren, MI	Dec-99	Jan-01	35	322			
FY 2001	SEI, Sanford, FL	SS/FFP	USATACOM, Warren, MI	Dec-00	Oct-01	39	372			
FY 2002	SEI, Sanford, FL	SS/FFP	USATACOM, Warren, MI	Dec-01	Oct-02	31	406			

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	61.9	1.2	0.9	1.0	0.9							
Initial Spares												
Total Proc Cost	61.9	1.2	0.9	1.0	0.9							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

Life Cycle Software Engineering (LCSE) support, by the Software Engineering Center, provides the essential services needed to maintain CECOM managed fielded Battlefield Automated Systems(BAS) in a state of operational readiness. The Mobile Subscriber Equipment, Firefinder, TRITAC Switches, and Intelligence/Electronic Warfare Systems are some of the 221 BASs supported by the SEC that 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 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 BASs. With host computers, 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 to take advantage of the continual improvements in technology that are indigenous to high-technology based weapon systems and their software support environments 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.

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: June 2001		
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		145	1	145									
Communications Engrg HW/SW Upgrade-FY00		714	1	714									
Communications Engrg HW/SW Upgrade-FY01					398		398						
Sys Development Upgrade for Fire Support					195	1	195						
Life Cycle Software Support-FY01					192	1	192						
Life Cycle FY01 Software Support					216	1	216						
IEW/Avionics Upgrade								936	1	936			
Sys Dev Upgrade for Fire Support-FY03													
Total		859			1001			936					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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-FY00 FY 2000	Raytheon Marlborough, MA	C/FFP	CECOM	JAN 00	MAR 00	1	714			
Communications Engrg HW/SW Upgrade-FY01 FY 2001	Raytheon Marlborough, MA	C/FFP	CECOM	MAY 01	OCT 01		398			
Sys Development Upgrade for Fire Support FY 2001	Telos Ashburn, VA	C/TM	CECOM	DEC 00	MAR 01	1	195			
Life Cycle Software Support-FY01 FY 2001	ITT Industries Systems Colorado Springs, CO	C/CPAT/IDQ	CECOM	MAR 01	AUG 01	1	192			
Life Cycle FY01 Software Support FY 2001	Multi-Max Largo, MD	C/TM	CECOM	MAR 01	JUL 01	1	216			
IEW/Avionics Upgrade FY 2002	To Be Selected		CECOM	FEB 02	JUN 02	1	936			
Sys Dev Upgrade for Fire Support-FY03										

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	7.4	8.2							
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)	75.9	8.2	9.1	7.4	8.2							
Initial Spares												
Total Proc Cost	75.9	8.2	9.1	7.4	8.2							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

Automated Identification Technology (AIT) provides state-of-the-art technologies that offer 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 devices are used with automated logistics systems to facilitate and expedite property receiving, distribution, storage, inventory management and accountability. 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:

FY02/03 provides fieldings support 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: June 2001		
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	6594			2111			2875					
Radio Frequency Portable Data Networks Collection Device (RFPDCD) +++++	A	2468			2508			2508					
Project Management Spt - Government +++++	A				400			409					
Fielding +++++	A				300			300					
Engineering Support	A				2061			2120					
Total		9062			7380			8212					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	Symbol Tech Inc Holtsville, NY	C/FP	CAC-W	Jan-00	Apr-00			Yes		
FY 2000	Savi Technology Mountain View, CA	C/FP	CAC-W	Jan-00	Apr-00			Yes		
FY 2000	Symbol Tech Inc Holtsville, NY	C/FP	CAC-W	Mar-00	Jun-00			Yes		
FY 2000	Symbol Tech Inc Holtsville, NY	C/FP	CAC-W	Aug-00	Nov-00			Yes		
FY 2000	Savi Technology Mountain View, CA	C/FP	CAC-W	Mar-00	Jun-00			Yes		
FY 2000	Savi Technology Mountain View, CA	C/FP	CAC-W	Aug-00	Nov-00			Yes		
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		
Radio Frequency Portable Data										
FY 2000	Symbol Tech Inc Holtsville, NY	C/FP	CAC-W	Jan-00	Apr-00			Yes		
FY 2000	Savi Technology Mountain View, CA	C/FP	CAC-W	Jan-00	Apr-00			Yes		

REMARKS: CAC-W - CECOM Acquisition Center - Washington

*RFPDCD - Radio Frequency Portable Data Collection Device

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	Symbol Tech Inc Holtsville, NY	C/FP	CAC-W	Mar-00	Jun-00			Yes		
FY 2000	Savi Technology Mountain View, CA	C/FP	CAC-W	Mar-00	Jun-00			Yes		
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		

REMARKS: CAC-W - CECOM Acquisition Center - Washington

*RFPDCD - Radio Frequency Portable Data Collection Device

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	20.8	11.7	25.5							
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)	1.8	2.5	20.8	11.7	25.5							
Initial Spares												
Total Proc Cost	1.8	2.5	20.8	11.7	25.5							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

Transportation Coordinators'-Automated Information for Movement System II (TC-AIMS II) is a joint program which will consolidate 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. Reducing system redundancy, functionalities of unit movement, load planning and ITO/TMO transportation Automated Information Systems (AISs) will be migrated into TC-AIMS II applications. 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:

FY02/03 funds will buy the necessary hardware upgrades for existing TC-ACCIS and DAMMS legacy systems, TC-AIMS II hardware for Army early deploying Power Projection Platforms and Power Support Platforms, and COTS software licenses to support up to 21K users. 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: June 2001		
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	181			382			997					
TC-AIMS II Hardware (Compaq 4500 servers, Pentium-based desktop workstations and Pentium-based laptops)	A	3881			11282			18006					
Initial COTS Executive Software * Configurations vary by site	A	16700						6509					
Total		20762			11664			25512					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	VAR*	C/FP	CAC-W & GSA	MAR-00	JUN-00			YES		
FY 2000	VAR*	C/FP	CAC-W & GSA	JUN-00	SEP-00			YES		
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	TBS	C/FP	CAC-W & GSA	JUN-01	OCT-01			YES		
FY 2002	TBS	C/FP	CAC-W & GSA	OCT-01	FEB-02			YES		
FY 2002	TBS	C/FP	CAC-W & GSA	MAR-02	JUL-02			YES		
FY 2002	TBS	C/FP	CAC-W & GSA	APR-02	AUG-02			YES		
Initial COTS Executive Software										
FY 2000	LOGICON San Pedro, CA	C/FP	GSA, Kansas City, MO	DEC-00	DEC-00			YES		
FY 2000	LOGICON San Pedro, CA	C/FP	GSA, Kansas City, MO	MAR-01	MAR-01			YES		
FY 2002	LOGICON San Pedro, CA	C/FP	GSA, Kansas City, MO	DEC-02	DEC-02			YES		
FY 2002	LOGICON San Pedro, CA	C/FP	GSA, Kansas City, MO	MAR-02	MAR-02			YES		

REMARKS: Contractors are:
 GSA - Government Services Administration, Kansas City, MO
 CAC-W - CECOM Acquisition Center-Washington
 LOGICON - San Pedro, CA
 * Configurations vary by site
 COTS software licenses support up to 21K users

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	95	131							
Gross Cost	5.8	6.2	7.4	8.3	12.1							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	5.8	6.2	7.4	8.3	12.1							
Initial Spares	11.5											
Total Proc Cost	17.3	6.2	7.4	8.3	12.1							
Flyaway U/C												
Wpn Sys Proc U/C		0.1	0.1	0.1	0.1							

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The Gun Laying and Positioning System (GLPS) will be a modular, lightweight, cost effective Non-Developmental Item (NDI) that will give each towed and self-propelled non-Paladin firing battery autonomous positioning and directional capability. The GLPS will rapidly self-locate and determine azimuth/deflection and position (Universal Transverse Mercator (UTM) coordinates and altitude) of each howitzer from one centrally located orienting station. The GLPS will consist 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 (TPC).

Justification:

The GLPS system will decrease the time required to survey and lay a howitzer battery from 2 hours to 14 minutes. The GLPS is required in FY 02 to displace one of the two Position and Azimuth determining Systems (PADS) and the associated PADS crew within each Field Artillery Battalion. The FY02 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: June 2001		
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	6069	75	81	7731	95	81	10480	131	80			
Hardware	A	656	8	82									
Engineering Support (In-House)		130			99			293					
Quality Support (ARDEC)					15			47					
Logistics Support		239			167			499					
First Destination Transportation					5			30					
Total Package Fielding/New Equip Trng		339			316			730					
Total		7433			8333			12079					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	Leica Technologies, Inc. Leesburg, VA	SS/FFP	TACOM - Rock Island	Dec-99	Dec-00	75	81	Yes	No	
FY 2000	Leica Technologies, Inc. Leesburg, VA	SS/FFP	TACOM - Rock Island	Mar 00	Nov 01	8	82	Yes	No	
FY 2001	Leica Technologies, Inc. Leesburg, VA	SS/FFP	TACOM - Rock Island	Jan 01	Dec 01	95	82	Yes	No	
FY 2002	Leica Technologies, Inc. Leesburg, VA	SS/FFP	TACOM - Rock Island	Mar 02	Dec 03	131	80	Yes	No	

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	29.1	32.4							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	30.2	15.8	13.2	29.1	32.4							
Initial Spares												
Total Proc Cost	30.2	15.8	13.2	29.1	32.4							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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 First Digitized Division (FDD)/First Digitized Corps (FDC). The ISYSCON V4 (Tactical Internet Manager) is a requirement based on a change to the ISYSCON ROC, calling for Network Management for the Lower Tactical Internet and TOC LAN. It will perform network planning, initialization, management and monitoring of the Tactical Internet at Brigade and Below (EPLRS, FBCB2) as well as TOC LAN's. The Joint Network Management System (JNMS) is a Commander in Chief (CINC), Commander Joint Task Force (CJTF) communications planning and management tool. It provides the capability to conduct high level planning (war planning); detailed planning and engineering; monitoring; control and reconfiguration; spectrum planning and management; and security of networks supporting joint operations.

ISYSCON (V)1 & (V)2 and TIMS systems support the Legacy transition path of the Transformation Campaign Plan (TCP). The JNMS system supports the Legacy to Objective transition path of the 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. FY02 & FY03 provides funding to purchase hardware, facilities and software licenses, in support of the ISYSCON fielding schedule.

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

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

ISYSCON (V)4 will perform network management of the Tactical Internet and TOC LAN's. FY02 provides for ISYSCON (V)4 purchase of hardware and COTS software licenses and deployment support to 3ACR, III Corps elements and 3rd Interim Brigade Combat Team (IBCT). FY03 provides for ISYSCON (V)4 completion of III Corps acquisition, initiate III Corps fielding and purchase of hardware and COTS software for the fourth and fifth IBCTs. JNMS will provide the CINCs and CJTFs an automated joint communications planning and management tool. FY03 provides for JNMS hardware and COTS software licenses, fielding, new equipment training and integration of hardware/software for the CINCs, 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: ISYSCON EQUIPMENT (BX0007)			Weapon System Type:			Date: June 2001		
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		3025	5	605	5445	9	605	11495	19	605			
Hardware SICPS Facility		750	5	150	1350	9	150	2850	19	150			
Engineering		2828			8519			1626					
ECO's		663			751			655					
Sys Proj Mgmt													
Government		839			977			1067					
Contractor		632			738			824					
Sys Test & Eval		700						400					
Data		17			30			73					
Fielding/Net		2917			3436			4205					
V/1&2 Initial Spares		44			967			731					
Testbed Upgrade		737											
Training Base					1416								
Subtotal		13152			23629			23926					
ISYSCON (V)4													
Production System													
GFE-Appique+ and Workstations					595	23	26	816	31	26			
GFE-Laptops					141	23	6	192	31	6			
GFE-Software Licenses					354	46	8	525	62	8			
ECO's													
Engineering Support													
Government					112			230					
Contractor					96			214					
Training								272					
Data					35			67					
Fielding													
Initial Spares					51			118					
Initial Repair Parts					51			118					
New Equipment Training					681			742					
Contractor Log Support					170			368					
Other Logistics					136			260					
Subtotal					2422			3922					
2ND IBCT TI Manager					3049			4600					
Subtotal					3049			4600					

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: June 2001		
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
JNMS													
Production System													
JNMS Hardware													
JNMS Software Licenses													
Software Maintenance													
System Integration/Fldg/NET													
Engineering Support													
Government													
Contractor													
Fielding													
Initial Spares													
Other Logistics													
JDIICS-D Maintenance													
Subtotal													
Total		13152			29100			32448					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	General Dynamics Taunton, MA	FP/OPT	CECOM	Nov-99	Jul-00	5	605	Yes		
FY 2001	General Dynamics Taunton, MA	FP/OPT	CECOM	Nov-00	Jul-01	9	605	Yes		
FY 2002	General Dynamics Taunton, MA	FP/OPT	CECOM	Nov-01	Jul-02	19	605	Yes		
Hardware SICPS Facility										
FY 2000	Gichner Dallastown, PA	FP/OPT	PM TOC	Nov-99	Sep-00	5	150	Yes		
FY 2001	Gichner Dallastown, PA	FP/OPT	PM TOC	Nov-00	Sep-01	9	150	Yes		
FY 2002	Gichner Dallastown, PA	TBD	PM TOC	Nov-01	Sep-02	19	150	Yes		
GFE-Applique+ and Workstations										
FY 2001	TRW Carson, CA	FFP	PM, FBCB2	Nov-00	Jul-01	23	26	Yes		
FY 2002	TRW Carson, CA	FFP	PM, FBCB2	Nov-01	Jul-02	31	26	Yes		
JNMS Hardware										
JNMS Software Licenses										

REMARKS: Production Hardware is Commercial-Off-The-Shelf (COTS) being procured on the CHS Contract.

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	49							
Gross Cost		12.8	23.3	30.6	6.8							
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)		12.8	23.3	30.6	6.8							
Initial Spares					0.5							
Total Proc Cost		12.8	23.3	30.6	7.3							
Flyaway U/C												
Wpn Sys Proc U/C			0.1	0.1	0.1							

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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.

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

IAW USD (A&T) memo dated 10 Dec 98, MCS was realigned to better represent current efforts and synchronize requirements and schedules with the First Digitized Division. Funding and quantities from FY98 and prior are considered sunk, and are no longer addressed in the P-Forms.

Justification:

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.

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

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:

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 Common Hardware/Software (CHS) equipment is needed to 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 the overall system. This generation of computers will incorporate advances in technology and achieve Life Cycle Cost savings due to commonality of support.

FY02 funding of \$6.839 Million will purchase computer systems to continue fielding in accordance with the MCS fielding schedule, to field hardware and to support III Corps and 1 CAV in FY01.

FY03 funding of \$33.988 Million will purchase computer systems for the 3rd Army and First Digitized Corps units such as III Corps and 3ACR.

NOTE: III Corps and 1 CAV purchased in FY01, will be supported with FY01 funds in FY02.

Total program costs include the cost for a 10 year rebuy starting in FY10.

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: June 2001		
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		5957	239	25	8122	246	33	1292	49	26			
2. RIGID WALL SHELTERS					2310	14	165						
3. TRAINING BASE HWR & HWR UPGRADES		4727											
4. PERIPHERALS: Printer, Large Screen Display, Tact Scanner, Large Scale Plotter, RAIDS		3105			3516			110					
5. PROJECT MANAGEMENT ADMIN		2042			2816			2863					
6. FIELDING NETT, TPF, 1st Destination Trans		3126			5305			2278					
7. INTERIM CONTRACTOR SUPPORT		1618			2793								
8. OTHER - Data, Licenses, GBLs, Software Support		2717			5708			296					
9. REBUY (starting in FY10)													
Total		23292			30570			6839					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 Jan	General Dynamics Taunton, MA	C/FP/OPT	CECOM	Jan 00	Jul 00	239	25	Yes		
FY 2001 Jan	General Dynamics Taunton, MA	C/FP/OPT	CECOM	Jan 01	Jul 01	246	33	Yes		
FY 2002 Jun	General Dynamics Taunton, MA	C/FP/OPT	CECOM	Jun 02	Dec 02	49	26	Yes		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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											
Gross Cost	405.0	46.6	33.2	39.4	60.6							
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)	405.0	46.6	33.2	39.4	60.6							
Initial Spares												
Total Proc Cost	405.0	46.6	33.2	39.4	60.6							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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 (GCSS-Army) and Standard Installation Division Personnel System-3 (SIDPERS-3). SIDPERS-3 supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

GCSS-Army is the premier logistics information system being developed to support the logistics management capability for the Army Transformation. It is the business/tactical automation enabler for the total Army CSS mission area and constitutes the Army portion of the GCSS. GCSS-Army consists of five major modules: Supply Property (SPR), Maintenance (MNT), Ammunition (AMMO), Supply Support (SSA), and Management (MGT). Implementation of GCSS-Army 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).

Justification:

FY02/03 funds acquisition and fielding of COTS computers to continue GCSS-Army hardware, SIDPERS-3 super server fielding, and STAMIS support 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: STAMIS TACTICAL COMPUTERS (STACOMP) (W00800)			Weapon System Type:			Date: June 2001		
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	27569			28134			41844					
GCSS-Army Fielding/Training	A				1333			10317					
=====													
SIDPERS-3													
SIDPERS- 3 Hardware	A	5455			5247			3348					
SIDPERS-3 Project Management - Gov't	A				326			342					
SIDPERS- 3 Engineering Support	A				1223			1230					
=====													
STAMIS Support													
STAMIS Support Hardware	A	187			161			279					
STAMIS Support Fielding /Training	A				2928			3261					
=====													
* COTS Microcomputers - configurations vary by user requirements & site													
Total		33211			39352			60621					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	Various	C/FP	CAC-W	MAR-00	APR-00			YES		
FY 2000	Various	C/FP	CAC-W	JUN-00	JUL-00			YES		
FY 2000	Various	C/FP	CAC-W	SEP-01	OCT-01			YES		
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	FEB-02	MAR-02			YES		
FY 2002	Various	C/FP	CAC-W	APR-02	MAY-02			YES		
FY 2002	Various	C/FP	CAC-W	JUL-02	AUG-02			YES		
SIDPERS- 3 Hardware										
FY 2000	GTSI Chantilly, VA	C/FP	CAC-W	AUG-00	SEP-00			YES		
FY 2000	GTSI Chantilly, VA	C/FP	CAC-W	JUN-00	JUL-00			YES		
FY 2000	GTSI Chantilly, VA	C/FP	CAC-W	MAR-00	APR-00			YES		
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		

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:
June 2001

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 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		
FY 2002	GTSI Chantilly, VA	C/FP	CAC-W	JUN-02	JUL-02			YES		
FY 2002	GTSI Chantilly, VA	C/FP	CAC-W	DEC-01	JAN-02			YES		
STAMIS Support Hardware										
FY 2000	GTSI Chantilly, VA	C/FP	CAC-W	MAR-00	APR-00			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		

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:

June 2001

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	30.5							
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)	110.1	28.7	30.6	57.6	30.5							
Initial Spares												
Total Proc Cost	110.1	28.7	30.6	57.6	30.5							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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).

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

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:

(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 Auxilliary 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 Expansable 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.

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

Justification:

The Standard Integrated Command Post System (SICPS) is essential to the Army's Transformation efforts. It provides the mobile and environmentally protected platform for the 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 nodes with the Army's Common Hardware/Software Command and Control equipment. \$10.923 million of the FY 01 funding shown above is attributed to the \$200 million Congressional increase for the 2nd Initial Brigade Combat Team (IBCT).

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: June 2001		
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	1200	200	6	738	123	6			
PM/Administration		10			20			200					
Engineering Support		50			60			200					
2. Rigid Wall Shelter					10609	103	103						
2. Rigid Wall Shelter					2060	20	103	735	7	105			
PM/Administration		450			600			600					
Engineering Support		526			800			800					
Interim Contractor Support		1034			1300			1500					
RWS GFE					13631			436					
3. M1068 Conversion Kit													
Fldg/Install		4781						2050					
PM/Administration		350			630			629					
Engineering Support		800			700			700					
Interim Contractor Support		350			1300			1500					
4. 5-Ton E-Van Installation Kit		8397	48	175				3675	21	175			
PM/Administration		350			600			790					
Engineering Support		350			600			800					
Interim Contractor Support		800			2257			2320					
5. Soft Top HMMWV Installation Kit		4300	62	69	2100	35	60	4340	70	62			
PM/Administration		350			600			600					
Engineering Support		350			600			600					
Interim Contractor Support		320			1200			1500					
6. TOCs/AMDCCS H/W		5800			5800			5800					
7. Rigid Wall Shelter - 1st and 2d IBCT					10000	97	104						
8. IAV Refurbishment					923								
Total		30568			57590			30513					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	Camel Manufacturing Lafollette, TN	C/Option	DLA, Phil, PA	Feb 00	Aug 00	200	6	Yes		
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	123	6	Yes		
2. Rigid Wall Shelter										
FY 2001	Gichner Manufacturing Dallastown, PA	C/Option	CECOM	Dec 00	May 01	103	103	Yes		
2. Rigid Wall Sheter										
FY 2001	TBS		CECOM	Aug 01	Apr 02	20	103	Yes		
FY 2002	TBS		CECOM	Aug 02	Apr 03	7	105	Yes		
4. 5-Ton E-Van Installation Kit										
FY 2000	Tobyhanna Army Depot	MIPR	CECOM	Jan 00	Nov 00	48	175	Yes		
FY 2002	Tobyhanna Army Depot	MIPR	CECOM	Jan 02	Nov 02	21	175	Yes		
5. Soft Top HMMWV Installation Kit										
FY 2000	Tobyhanna Army Depot	MIPR	CECOM	Jan 00	Oct 00	62	69	Yes		
FY 2001	Tobyhanna Army Depot	MIPR	CECOM	Jan 01	Oct 01	35	60	Yes		

REMARKS:

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2002 7. Rigid Wall Shelter - 1st and 2d IBCT FY 2001	Tobyhanna Army Depot	MIPR	CECOM	Jan 02	Oct 02	70	62	Yes		
	Gichner Manufacturing Dallastown, PA	C/Option	CECOM	Dec 00	May 01	97	104	Yes		

REMARKS:

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	24.5	19.1	35.5	26.3							
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)	20.4	24.5	19.1	35.5	26.3							
Initial Spares												
Total Proc Cost	20.4	24.5	19.1	35.5	26.3							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

Army Training Modernization includes three related efforts to acquire Digital Training Facilities (DTF). DTF 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 (DTT) (BE4171), Other Training Modernization (BE4172), and The Army Distance Learning Program (TADLP) (BE4173). Other Training Modernization modernizes/enhances DTF at existing Army resident schools. This improves training provided through the schools and allows their use to broadcast training to remote DTF deployed through DTT and TADLP. DTT and TADLP will together provide 785 modern distance learning enabled DTF and associated supporting infrastructure to augment training facilities 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 means to provide training to Army personnel. This will aid Army to maintain acceptable outyear readiness levels despite massive resource reductions. Supported training enhancements will help reduce the current backlog of over 90K soldiers that require 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.

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

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:

Without this investment, 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; soldiers will not be able to receive training where and when needed; and the problem of training backlog will be exacerbated. Army Training Modernization will deliver standardized training to Active Component (AC) and Reserve Component (RC) soldiers. DTT/TADLP provide infrastructure for soldiers to train at or near their assigned station, in lieu of resident training at Army schools. The Classroom XXI component of Other Training Modernization provides infrastructure at sites colocated with Army schools. Operational implementation of this infrastructure is carefully phased to coincide with development of updated Army courseware, taking into account the number of soldiers needing training, types of training needed, and where training is needed to maximize the return on the Army Training Modernization investment. Tasks supported include conducting training and receiving training.

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No. Other Procurement, Army / 2 / COMMUNICATIONS AND ELECTRONICS EQUIPMENT			P-1 Line Item Nomenclature: ARMY TRAINING MODERNIZATION (BE4169)			Weapon System Type:			Date: June 2001		
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	A	10074			21133			20030					
Distributive Training Technology	A				10820			2986					
Other Training Modernization	A	8991			3517			3296					
Total		19065			35470			26312					

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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				10.8	3.0							
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)				10.8	3.0							
Initial Spares												
Total Proc Cost				10.8	3.0							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

Distributive Training Technology (DTT) provides Digital Training Facilities (DTF) not currently addressed in The Army Distance Learning Plan (TADLP). The primary mission of DTT is to provide access to military readiness training to members of the National Guard who, for geographic or logistical reasons, do not have ready access to other Army distance learning facilities. DTT facilities are also available to soldiers and civilian support personnel of other Army components for military training and education. DTT 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 Army National Guard; and foster economic development, improve educational levels, and provide information access through shared use with the communities in which the Guard is based. DTT 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:

FY02/03 funds allow continued fielding of DTT 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: June 2001		
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			
Integration, Production and Fielding (Labor and tools associated with production and fielding of the complete Digital Training Facility system.)					4220	33	128	1186	7	169			
Total					10820			2986					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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		
Integration, Production and Fielding										
FY 2001	Electronic Data Systems Reston, VA	C/CPAF	NCR	Jan-01	Apr-01	33	128	Y		
FY 2002	TBS GSA, NCR/FISSP	C/CPAF	NCR	Jan-02	Apr-02	7	169	Y		

REMARKS: GSA, NCR - Government Services Administration, National Capital Region
FISSP - Federal Information Support Systems Program

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	5.8	9.0	3.5	3.3							
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)	5.8	5.8	9.0	3.5	3.3							
Initial Spares												
Total Proc Cost	5.8	5.8	9.0	3.5	3.3							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

Classroom XXI provides an advanced instructional technology environment in which the soldier of the 21st century will train. This TRADOC initiative modernizes institutional training classrooms with information age technology into Digital Training Facilities (DTF) to gain training efficiencies, while maximizing soldier training effectiveness. Achievement of this environment requires investments in hardware, software, facilities and communications. The TRADOC CR XXI program is building fully networked, high technology, student-centered DTF 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 FY02/03 funding allows continued modernization of classrooms to DTF and implementation of Digital Training Access Centers (DTACs) colocated with Army schools to support use of redesigned courseware in these DTF and transmission of resident and redesigned courseware to remote DTF. DTACs store approved courseware components in digital (automated) format for access and distribution to any Army DTF(CR XXI, Distributed Training Technology (DTT), and The Army Distance Learning Program (TADLP)) as needed. DTF implementation schedule is linked to the schedule for courseware redesign.

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: June 2001		
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
Classroom XXI (CRXXI) +++++		4351			3517			3296					
Training Technology +++++		4640											
Configurations vary by user requirements													
Total		8991			3517			3296					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	Federal Data Corporation Greenbelt, MD	C/FP	GSA, Kansas City, MO	Feb-00	Apr-00			YES		
FY 2000	Severn Companies Landram, MD	C/FP	TAC, Ft. Eustis, VA	Jun-00	Jun-00			YES		
FY 2000	Network Appliance Norfolk, VA	C/FP	TAC, Ft. Eustis, VA	Aug-00	Aug-00			YES		
FY 2000	Logic Extension Resources Alta Loma, CA	C/FP	MDW, Ft. Belvoir, VA	Sep-00	Sep-00			YES		
FY 2000	Lockheed Martin Owego, NY	C/FP	CAC-W, Alexandria, VA	Jul-00	Aug-00			YES		
FY 2001	TBS GSA, Kansas City, MO	C/FP	GSA, Kansas City, MO	Jul-01	Aug-01			YES		
FY 2002	TBS GSA, Kansas City, MO	C/FP	GSA, Kansas City, MO	Jul-02	Aug-02			YES		
Training Technology										
FY 2000	Federal Data Corporation Greenbelt, MD	C/FP	TAC, Ft. Eustis, VA	Aug-00	Oct-00			YES		
FY 2000	Lucent Technologies, Inc Kansas City, MO	C/FP	GSA, Ft Worth, TX	Mar-01	Jun-01			YES		

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:

June 2001

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	18.8	10.1	21.1	20.0							
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)	14.5	18.8	10.1	21.1	20.0							
Initial Spares												
Total Proc Cost	14.5	18.8	10.1	21.1	20.0							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The Army Distance Learning Program (TADLP) will provide standard automation and supporting infrastructure to improve Army's ability to train service members and supporting civilian workers in all Army components (Active, Guard, and Reserve). It will aid the Army to properly train all components to a single Army standard. TADLP supports readiness by enhancing institutional and individual training.

TADLP provides both near term 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. TADLP goal is to leverage technology and learning theory to provide just-in-time training to each service member regardless of location. TADLP goals include reduced 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; improved efficiency and effectiveness of Army instructors by allowing each instructor to train more students in a shorter period of time; and improved 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:

In FY 02/03, Army will continue full-scale implementation of infrastructure to support Army training at remote sites for a major subset of existing Army courses. This supports implementation of an initial suite of asynchronous training tools to augment and enhance existing Army training instruments. Efforts support redesigned courses and training instruments that can leverage technological advances and the application of modern learning theory. This will maximize the utility of this training to each student while reducing the time required by the student to complete assigned blocks of training. Efforts will continue to deploy modern, user friendly learning environments to support all service members. Acquisition and implementation of a Learning Management Component will provide for automated student administration and 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: THE ARMY DISTANCE LEARNING PROGRAM (TADLP) (BE4173)			Weapon System Type:			Date: June 2001		
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
16 Student DTF (Digital Training Facilities) (Data Process Servers, Desktop PCs, Audio/Video Equipment, and Communications Infrastructure)	A	3465	15		7749	27		10005	30				
12 Student DTF (Data Process Servers, Desktop PCs, Audio/Video Equipment, and Communications Infrastructure)	A	3528	18		6615	26		7325	24				
Block 2 - Upgrade existing DTF to Networking Capability, H/W, S/W Engineering and Installation Support	A	3081			5217								
Block 3 - Learning Management System S/W and Installation	A				960			1202					
***** Configurations vary by user requirements and site	A				592			1498					
Total		10074			21133			20030					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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
16 Student DTF										
FY 2000	VAR*	C/IDIQ	GSA, Region 10	Jan-00	Feb-00	15		YES		
FY 2001	VAR*	C/IDIQ	GSA, Region 10	Jan-01	Feb-01	27		YES		
FY 2002	VAR*	C/IDIQ	GSA, Region 10	Jan-02	Feb-02	30		YES		
12 Student DTF										
FY 2000	VAR*	C/FP	GSA, Region 10	Jan-00	Feb-00	18		YES		
FY 2001	VAR*	C/IDIQ	GSA, Region 10	Jan-01	Feb-01	26		YES		
FY 2002	VAR*	C/IDIQ	GSA, Region 10	Jan-02	Feb-02	24		YES		
Block 2 - Upgrade existing DTF										
FY 2000	VAR*	C/IDIQ	GSA, Region 10	Jul-00	Aug-00			YES		
FY 2001	VAR*	C/IDIQ	GSA, Region 10	Mar-01	Apr-01			YES		
Engineering and Installation Support										
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	Oct-01	Oct-01			YES		
Block 3 - Learning Management System										

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:
June 2001

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 FY 2002	TBS TBS	C/IDIQ C/IDIQ	CAC-W, Alexandria, VA CAC-W, Alexandria, VA	May-01 May-02	Jul-01 Jun-02			YES 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:

June 2001

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	136.7	157.0	192.0	146.9							
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)	2040.0	136.7	157.0	192.0	146.9							
Initial Spares												
Total Proc Cost	2040.0	136.7	157.0	192.0	146.9							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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: June 2001		
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	4368			3078			6184					
Strategic Logistic Program	A	31898			19121			19827					
Reserve HQ. Automation	A	1688			1612			1677					
High Performance Computing	A	550			425								
HQ Management Information Systems	A	5936			8236			21572					
MACOM Automation Systems	A	45624			66062			43771					
Personnel Automation Systems	A	26078			30469			28435					
Logistics Automation System	A	8513			5181			2476					
Joint Computer Aided ACQ & Logistics SPT	A	32311			57818			22943					
Total		156966			192002			146885					

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	3.1	4.4	3.1	6.2							
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)	38.2	3.1	4.4	3.1	6.2							
Initial Spares												
Total Proc Cost	38.2	3.1	4.4	3.1	6.2							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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 and sharing 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 converts paper and microfiche 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.

RECORD INFORMATION PROCESSING SYSTEM: This system ensures Army compliance with Code of Federal Regulations (CFR) 36 and 41 for economy and efficiency in documenting Army business. Use of current and emerging technology reduces operations and maintenance costs and improves mission effectiveness and availability of records throughout the Army.

Justification:

PERSONNEL ELECTRONIC RECORDS MANAGEMENT SYSTEM (PERMS): FY 02/03 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 as directed by the National Archives and Records Administration (NARA).

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

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:

These initiatives replace paper and microfiche records with records that can be delivered electronically to our Federal customers including NARA, thus reducing production and delivery costs to the Army for both operations and archiving.

RECORD INFORMATION PROCESSING SYSTEM: FY 02/03 procures hardware and software required for integration of document imaging and related recordkeeping technology solutions supporting Army-wide management of records. These funds will maximize the benefits achieved through selective integration of technology into the recordkeeping process.

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: June 2001		
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	3388			2260			5335					
Record Information Processing System Hardware/Software	A	980			818			849					
Total		4368			3078			6184					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	PRC, Inc. McLean, VA	C/FP	GSA-FEDSIM, Falls Church, VA	JAN 00	MAR 00			YES	NO	
FY 2000	SAIC Columbia, MD	C/FP	GSA-FEDSIM, Falls Church, VA	JUL 00	AUG 00			YES	NO	
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	JAN 02	MAR 02			YES	NO	
Record Information Processing System Hardware/Software										
FY 2000	Intergraph Huntsville, AL	C/FP	NAVICP, Mechanicsburg, PA	JAN 00	FEB 00			YES	NO	
FY 2001	Intergraph Huntsville, AL	C/FP	NAVICP, Mechanicsburg, PA	FEB 01	APR 01			YES	NO	
FY 2002	TBS	C/FP	NAVICP, Mechanicsburg, PA	JAN 02	FEB 02			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:

June 2001

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	37.3	31.9	19.1	19.8							
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)	107.8	37.3	31.9	19.1	19.8							
Initial Spares												
Total Proc Cost	107.8	37.3	31.9	19.1	19.8							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

Budget line supports the Total Distribution Program (TDP), an initiative originally put in place by the Vice Chief of Staff, Army (VCSA) to correct deficiencies in the distribution of materiel, equipment, personnel replacements, and mail, that occurred during Operation Desert Shield/Storm. The purpose of the TDP initiative is to develop an effective distribution pipeline with Total Asset Visibility (TAV) from initial shipping point to destination. The program is being refocused, at the direction of the TDP General Officer Steering Committee (GOSC), to execute the Distribution Based Logistics System (DBLS) of the future, supporting the Revolution in Military Logistics (RML). 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 RML. 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 DBLS. Critical corrective actions include development and fielding of communications capability 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 Strategic Plan.

Justification:

FY 02/03 funding develops communications capability for transmission of logistics information both within and between the theater of operations and the sustaining base. Work is underway to interface the Tactical Packet Network (TPN), operating in the tactical environment, with the communications architecture of sustaining base systems, enabling the warfighter to pass data directly to the sustaining base. During Operation Desert Shield/Storm, lack of such communications capability was a critical deficiency, which hampered the distribution process.

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

Appropriation/Budget Activity/Serial No:

Other Procurement, Army /2/COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 Item Nomenclature

STRATEGIC LOGISTICS PROGRAM (SLP) (BD7000)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

In addition, the volume of materiel moving through the logistics pipeline exceeds the ability to manually track materiel, maintain accurate records, and provide timely information to decision makers. Funding supports procurement of Automatic Identification Technology (AIT) such as Radio Frequency (RF) Tags to provide source data automation. RF technology provides rapid and accurate capture, retrieval and transmission of supply/transportation information for 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: June 2001		
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
Packet Switch Upgrade/AN TTC 39A to 39E EEE Program	A	900											
CSS Automation Integration Comm Hardware and Software	A	5855			5851			6150					
Automatic Identification Technology (AIT) RF Tags/Interrogators/RF Links/ Retrievers	A	25143			13270			13677					
FY01 Figure excludes Congressional Plus up of 6951 for AIT													
Quantities and unit costs vary by configuration for all programs													
Total		31898			19121			19827					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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
Packet Switch Upgrade/AN TTC 39A to 39E FY 2000	GTE Taunton, MA	C/FP	CECOM	JUL-00	AUG-00			YES	NO	
CSS Automation Integration FY 2000	Sysorex Inc. Fairfax, VA	C/FP	CECOM	VAR	VAR			YES	NO	
FY 2000	Motorola Tempe, AZ	C/FP	CECOM	VAR	VAR			YES	NO	
FY 2000	GTSI Chantilly, VA	C/FP	CECOM	VAR	VAR			YES	NO	
FY 2001	Sysorex Inc. Fairfax, VA	C/FP	CECOM	APR-01	MAY-01			YES	NO	
FY 2001	Motorola Tempe, AZ	C/FP	CECOM	APR-01	MAY-01			YES	NO	
FY 2001	GTSI Chantilly, VA	C/FP	CECOM	APR-01	MAY-01			YES	NO	
FY 2002	TBS	C/FP	CECOM	VAR	VAR			YES	NO	
Automatic Identification Technology FY 2000	SAVI Technology Mountain View, CA	C/FP	CECOM	MAR-00	APR-00			YES	NO	
FY 2001	SAVI Technology Mountain View, CA	C/FP	CECOM	APR-01	MAY-01			YES	NO	
FY 2002	TBS	C/FP	CECOM	VAR	VAR			YES	NO	

REMARKS: All quantities and unit costs vary by configuration.
VAR - Multiple contracts awarded/delivered throughout the year.
CECOM - Communications-Electronics Command, Ft Monmouth, NJ

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	1.7							
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)	15.6	0.8	1.7	1.6	1.7							
Initial Spares												
Total Proc Cost	15.6	0.8	1.7	1.6	1.7							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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:

FY02/03 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 reduce customer service response time, and enable users to easily share relevant information in a secure environment. Funds also continue integration of telephony (integrated voice response system) and facilitation of the electronic interface with Personnel Electronic Records Management System (PERMS) imaging into other Reserve business processing initiatives in support of personnel and mobilization systems critical to warfighting, accountability, interoperability, and veterans.

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: June 2001		
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 Headquarters Automation Servers, Local Area Networks, Software, Storage Devices, and Internet/Intranet	A	1688			1612			1677					
Total		1688			1612			1677					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 Headquarters Automation Servers, Local Area Networks, Software, Storage Devices, and Internet/Intranet FY 2000 FY 2001 FY 2002	PRC, Inc. St Louis, MO	C/FP	GSA, Kansas City, MO	JUN 00	JUL 00			YES	NO	
	TBS	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	

REMARKS: All quantities and unit cost vary by configuration and site.
GSA - General Services Administration

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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								
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)	91.5	0.4	0.6	0.4								
Initial Spares												
Total Proc Cost	91.5	0.4	0.6	0.4								
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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: June 2001		
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	550			425								
Total		550			425								

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	Fed Data Corp Bethesda, MD	C/FP	Acquisition Center-APG	Feb-00	Mar-00			Yes	No	
FY 2000	Edgemark Systems Silver Springs, MD	C/FP	Acquisition Center-APG	Feb-00	Mar-00			Yes	No	
FY 2000	Fore Systems Vienna, VA	C/FP	Acquisition Center-APG	Feb-00	Mar-00			Yes	No	
FY 2000	OM Office Supply Inc. Mechanicsburg, PA	C/FP	Acquisition Center-APG	Feb-00	Mar-00			Yes	No	
FY 2000	Bell Atlantic Baltimore, MD	C/FP	Acquisition Center-APG	Feb-00	Mar-00			Yes	No	
FY 2001	TBS	C/FP	Acquisition Center-APG	May-01	Jun-01			Yes	No	

REMARKS: All quantities and unit costs vary by configuration.
APG - Aberdeen Proving Grounds, MD

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	6.1	5.9	8.2	21.6							
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)	122.0	6.1	5.9	8.2	21.6							
Initial Spares												
Total Proc Cost	122.0	6.1	5.9	8.2	21.6							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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 Information Infrastructure and the Command and Control (C2) Information Infrastructure) 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 02/03 procures hardware and software to expand and upgrade 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 02/03 procures hardware and software for the Concepts Analysis Agency (CAA) ADP Modernization project. This will enable the Army's principal theater-level study agency to perform quick reaction analysis for the Army Staff and Major Commands (MACOMS). Decisions based on CAA analyses impact force structure and modernization, logistics, personnel, finance, and every functional area of the Army. FY 02/03 funds also purchase hardware and software for the Defense Message System (DMS) for individual users on the HQDA staff. The DMS program was established by the Under Secretary of Defense (Acquisition) to facilitate and coordinate development of an integrated common-user message system within DOD.

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

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 primary goal of DMS is to provide a message system that satisfies writer-to-reader requirements to reduce cost and staffing levels; 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 FY02/03 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. 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 107 installations worldwide including CONUS, Alaska, Puerto Rico, United Kingdom, Europe, Korea, Japan, and (in early FY01) the Mid-East. FY 02/03 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.

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

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 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: FY02/03 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: FY02/03 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. FY02/03 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. Replacement/upgrade of the DMS equipment is critical for compliance with DMS infrastructure and maturity initiatives.

COMMAND CENTER INFORMATION INFRASTRUCTURE. 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 Commanders-in-Chiefs 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. FY02/03 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) INFORMATION INFRASTRUCTURE: This program procures the Command, Control, Communications, Computers, and Intelligence Technology (C4IT) infrastructure at Army and Army supported Commander-in-Chief (CINC) sites. It provides for command and control (C2) infrastructure 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).

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

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:

FY 02/03 procures critical infrastructure components for the Global Command and Control System (GCCS), the Global Combat Support System (GCSS), Warfighting Infrastructure, 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.

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: June 2001		
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 Concepts Analysis Agency Automated Data Processing Modernization Defense Message System (DMS)	A	2422			1688			1752					
Army Model Improvement Program (AMIP) Hardware and Software	A	698			592			628					
Housing Operations Management System (HOMES) Hardware and Software	A				442			455					
Pentagon Information Technology (IT) Infrastructure -Common IT (Renovation)	A							9437					
-Other IT	A							2209					
Command Center Information Infrastructure Hardware, Software, Fielding and Program Management -Army Operations Center	A	875			859			948					
-European Command	A							2739					
-Alternate Joint Command Center Site-R	A	1941			1809			1897					
Command and Control (C2) Information Infrastructure Hardware, Software, and Fielding -European Command	A							551					
-US Forces Korea	A							850					
-Southern Command	A							106					
Army Knowledge Management					2846								
Total		5936			8236			21572					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	Comteq Federal Systems Rockville, MD	C/FP	DSSW	VAR	VAR			YES	NO	
FY 2000	Integic Chantilly, VA	C/FP	DSSW	MAR-00	MAY-00			YES	NO	
FY 2001	DTL Solutions Herndon, VA	C/FP	DSSW	MAR-01	APR-01			YES	NO	
FY 2002	TBS	C/FP	DSSW	VAR	VAR			YES	NO	
Concepts Analysis Agency Automated Data Processing Modernization										
FY 2000	IBM Corp. Bethesda, MD	C/FP	DSSW	FEB-00	MAY-00			YES	NO	
FY 2001	AUSPEX Systems Inc. Santa Clara, CA	C/FP	DSSW	JAN-01	FEB-01			YES	NO	
FY 2001	Federal Data Corp Bethesda, MD	C/FP	DSSW	FEB-01	MAR-01			YES	NO	
FY 2002	TBS	C/FP	DSSW	VAR	VAR			YES	NO	

REMARKS: All quantities and unit costs vary by configuration. VAR - Multiple contracts awarded/delivered throughout the year.
 CECOM - Communications and Electronics Command SMC - Systems Management Center
 AMC - Army Materiel Command
 CACSW - CECOM Acquisition Center Southwest, Ft Hauchuca, AZ
 DSSW- Defense Supply Service-Washington GSA - General Services Administration
 IMCEN - Information Management Support Center, Pentagon, Arlington, VA ISED - Information Systems Engineering Directorate
 NISA-P - Network Infrastructure Services Agency - Pentagon, Arlington, VA NSC - National Simulation Center
 USAF - U.S. Air Force
 USACCK - US Army Contracting Command, Korea

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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
Defense Message System (DMS)										
FY 2000	Leads Corp Arlington, VA	C/FP	USAF, Gunter, Air Force Base	JAN-00	VAR			YES	NO	
FY 2000	Motorola Inc. Scottsdale, AZ	C/FP	Ft Meade Procurement Ofc, MD	MAY-00	JUL-00			YES	NO	
FY 2000	NISA-P	MIPR	IMCEN	SEP-00	SEP-00			YES	NO	
FY 2000	Compaq Fedservice Greenbelt, MD	C/FP	DSSW	NOV-99	JAN-00			YES	NO	
FY 2000	GTSI Inc. Chantilly, VA	C/FP	DSSW	AUG-00	SEP-00			YES	NO	
FY 2000	TELOS Ashburn, VA	C/FP	DSSW	SEP-00	SEP-00			YES	NO	
FY 2000	Comteq Rockville, MD	C/FP	DSSW	SEP-00	OCT-00			YES	NO	
FY 2001	TBS	C/FP	DSSW	VAR	VAR			YES	NO	
FY 2002	TBS	C/FP	DSSW	VAR	VAR			YES	NO	
Army Model Improvement Program (AMIP)										
Hardware and Software										
FY 2000	IMMIX Technology McLean, VA	C/FP	NSC, Ft Leavenworth, KS	FEB-00	APR-00			YES	NO	
FY 2001	TBS	C/FP	DSSW	FEB-01	APR-01			YES	NO	

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 CACSW - CECOM Acquisition Center Southwest, Ft Hauchuca, AZ
 DSSW- Defense Supply Service-Washington GSA - General Services Administration
 IMCEN - Information Management Support Center, Pentagon, Arlington, VA ISED - Information Systems Engineering Directorate
 NISA-P - Network Infrastructure Services Agency - Pentagon, Arlington, VA NSC - National Simulation Center
 USAF - U.S. Air Force
 USACCK - US Army Contracting Command, Korea

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / COMMUNICATIONS AND ELECTRONICS EQUIPMENT		Weapon System Type:			P-1 Line Item Nomenclature: HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2002 . Housing Operations Management System (HOMES) Hardware and Software	TBS	C/FP	DSSW	FEB-02	APR-02			YES	NO	
FY 2001	TBS	C/FP	GSA, Washington, DC	MAY-01	JUN-01			YES	NO	
FY 2002	TBS	C/FP	GSA, Washington, DC	APR-02	MAY-02			YES	NO	
. Pentagon Information Technology (IT) Infrastructure -Common IT (Renovation)										
FY 2002	TBS	C/FP	DSSW	MAR-02	JUN-02			YES	NO	
-Other IT										
FY 2002	TBS	C/FP	DSSW	MAR-02	JUN-02			YES	NO	
.										

REMARKS: All quantities and unit costs vary by configuration. VAR - Multiple contracts awarded/delivered throughout the year.
 CECOM - Communications and Electronics Command SMC - Systems Management Center
 AMC - Army Materiel Command
 CACSW - CECOM Acquisition Center Southwest, Ft Hauchuca, AZ
 DSSW- Defense Supply Service-Washington GSA - General Services Administration
 IMCEN - Information Management Support Center, Pentagon, Arlington, VA ISED - Information Systems Engineering Directorate
 NISA-P - Network Infrastructure Services Agency - Pentagon, Arlington, VA NSC - National Simulation Center
 USAF - U.S. Air Force
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Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 Information Infrastructure Hardware, Software, Fielding and Program Management -Army Operations Center										
FY 2000	Lockheed Martin Owego, NY	C/FP	PM, Defense Message System	Aug-00	Sep-00			YES	NO	
FY 2000	GTSI Inc. Chantilly, VA	C/FP	DSSW	VAR	VAR			YES	NO	
FY 2000	Compaq Fedservice Greenbelt, MD	C/FP	DSSW	VAR	VAR			YES	NO	
FY 2000	Cavalier Communications Reston, VA	C/FP	DSSW	Feb-00	Mar-00			YES	NO	
FY 2000	Comteq Federal Systems Rockville, MD	C/FP	DSSW	VAR	VAR			YES	NO	
FY 2000	AA Distributors Middletown, MD	C/FP	DSSW	Feb-00	Mar-00			YES	NO	
FY 2000	Sylvest Management Systems Greenbelt, MD	C/FP	DSSW	Feb-00	Mar-00			YES	NO	
FY 2001	Xerox Corporation Washington, DC	C/FP	DSSW	MAR-01	APR-01			YES	NO	
FY 2001	TBS	C/FP	DSSW	VAR	VAR			YES	NO	
FY 2002	TBS	C/FP	TBS	VAR	VAR			YES	NO	

REMARKS: All quantities and unit costs vary by configuration. VAR - Multiple contracts awarded/delivered throughout the year. CECOM - Communications and Electronics Command SMC - Systems Management Center AMC - Army Materiel Command GSA - General Services Administration CACSW - CECOM Acquisition Center Southwest, Ft Hauchuca, AZ ISED - Information Systems Engineering Directorate DSSW- Defense Supply Service-Washington NSC - National Simulation Center IMCEN - Information Management Support Center, Pentagon, Arlington, VA NISA-P - Network Infrastructure Services Agency - Pentagon, Arlington, VA USAF - U.S. Air Force USACCK - US Army Contracting Command, Korea

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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
-European Command										
FY 2002	TBS	C/FP	TBS	VAR	VAR			YES	NO	
-Alternate Joint Command Center Site-R										
FY 2000	Leads Corp Arlington, VA	C/FP	GSA, New York, NY	VAR	VAR			YES	NO	
FY 2000	Raytheon Corp. Sunnyvale, CA	C/FP	CACSW	JUN-00	AUG-00			YES	NO	
FY 2000	SAIC Frederick, MD	C/FP	CACSW	OCT-99	OCT-99			YES	NO	
FY 2000	CECOM-ISED Ft Detrick, MD	MIPR	CECOM, Ft Monmouth, NJ	VAR	VAR			YES	NO	
FY 2000	CECOM-SMC Ft. Monmouth, NJ	MIPR	AMC, Alexandria, VA	JAN-00	JAN-00			YES	NO	
FY 2001	CECOM-SMC Ft. Monmouth, NJ	MIPR	CECOM-SMC, Washington, DC	DEC-00	DEC-00			YES	NO	
FY 2002	TBS	C/FP	TBS	VAR	VAR			YES	NO	
Command and Control (C2) Information Infrastructure										
Hardware, Software, and Fielding										
-European Command										

REMARKS: All quantities and unit costs vary by configuration. VAR - Multiple contracts awarded/delivered throughout the year.
 CECOM - Communications and Electronics Command SMC - Systems Management Center
 AMC - Army Materiel Command
 CACSW - CECOM Acquisition Center Southwest, Ft Hauchuca, AZ
 DSSW- Defense Supply Service-Washington
 IMCEN - Information Management Support Center, Pentagon, Arlington, VA
 NISA-P - Network Infrastructure Services Agency - Pentagon, Arlington, VA
 USAF - U.S. Air Force
 USACCK - US Army Contracting Command, Korea
 GSA - General Services Administration
 ISED - Information Systems Engineering Directorate
 NSC - National Simulation Center

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / COMMUNICATIONS AND ELECTRONICS EQUIPMENT		Weapon System Type:			P-1 Line Item Nomenclature: HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2002 -US Forces Korea	TBS	C/FP	TBS	VAR	VAR			YES	NO	
FY 2002 -Southern Command	TBS	C/FP	USACCK	VAR	VAR			YES	NO	
FY 2002 Army Knowledge Management	TBS	C/FP	TBS	VAR	VAR			YES	NO	
FY 2001	FDC/SYLVEST Mgt Sys Corp Greenbelt, MD	C/FP	DSSW	JAN01	MAR01			YES	NO	
FY 2001	TRW Inc. Data Tech Division Carlson, CA	C/FP	DSSW	MAR01	APR01			YES	NO	

REMARKS: All quantities and unit costs vary by configuration.

CECOM - Communications and Electronics Command

AMC - Army Materiel Command

CACSW - CECOM Acquisition Center Southwest, Ft Hauchuca, AZ

DSSW- Defense Supply Service-Washington

IMCEN - Information Management Support Center, Pentagon, Arlington, VA

NISA-P - Network Infrastructure Services Agency - Pentagon, Arlington, VA

USAF - U.S. Air Force

USACCK - US Army Contracting Command, Korea

VAR - Multiple contracts awarded/delivered throughout the year.

SMC - Systems Management Center

GSA - General Services Administration

ISED - Information Systems Engineering Directorate

NSC - National Simulation Center

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	34.0	45.6	66.1	43.8							
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)	171.2	34.0	45.6	66.1	43.8							
Initial Spares												
Total Proc Cost	171.2	34.0	45.6	66.1	43.8							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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).

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:

MACOM AUTOMATION SYSTEMS: FY 02/03 funds support systems modernization/life cycle replacement throughout Forces Command (FORSCOM); US Army Europe (USAREUR); Training and Doctrine Command (TRADOC); Army Materiel Command (AMC); Military District of Washington (MDW); Eighth US Army (EUSA); US Army Pacific (USARPAC); US Army Recruiting Command (USAREC); Army Signal Command (ASC); Army War College (AWC); Criminal Investigation Command (CIDC); US Army Medical Command (MEDCOM); Intelligence and Security Command (INSCOM); and National Guard Bureau (NGB). Acquisitions include hardware, software, networking products, and peripherals that are required for MACOM/end user level systems as well as network connectivity to provide the ability to share Automated Data Processing (ADP) resources and access data in support of power projection and split base operations. The effectiveness of the Continental US (CONUS) based split base operations strategy to perform as the rear area for deployed forces as well as the mobilization, force protection, and redeployment platforms is severely handicapped without the full integration of functional Local Area Networks (LANs) for Command and Control and functional support systems.

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

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:

These systems perform vital functions throughout the sustaining base, and modernization is essential to accommodate growing information processing requirements with declining manpower resources. This funding is necessary to provide life cycle replacement of obsolete Automated Data Processing Equipment (ADPE), which will eliminate excessive maintenance costs and facilitate productivity growth through advances in information systems technology, thus streamlining manpower intensive operations. Funding will also support MACOM efforts to reengineer business processes, infrastructure to support leaner organizations, and the total compatibility and interoperability needs of a force projection Army.

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 02/03 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 SQL3 database technologies expected to begin in FY 03. FY02/03 funds will 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.

JOINT WARRIOR INTEROPERABILITY DEMONSTRATIONS (JWID): JWIDs are Joint Staff-sponsored real-time demonstrations of evolving Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR) technologies and interoperability solutions. These demonstrations provide a forum for Combatant Commands, Services, Defense agencies, and Allied Commands to assess new technology capabilities and identify infrastructure interoperability deficiencies in the Joint warfighting environment during Theme (even) years. Critical deficiencies are incorporated into Command and Control Joint Warfighting Capabilities Assessments (C2 JWCA) and Commander-in-Chief (CINC) Integrated Priority Lists (IPLs).

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

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:

During Exploitation (odd) years, potential investment strategies for future solutions and limited rapid insertion of low-cost, low-risk technology solutions identified during the previous (Theme) year are fielded for implementation or further refinement. FY 02/03 funding provides for the procurement piece of the Army's fair-share portion of the \$10M total annual program bill as directed by Chairman, Joint Chiefs of Staff, Instruction. FY 02 procures hardware and software, network engineering, and infrastructure support necessary to assess new technologies, critical deficiencies, and interoperability in a true Joint/Multinational/Interagency warfighting environment simulation. FY03 procures hardware and software, and engineering or other support necessary to implement, field or further test systems chosen during the prior year.

ARMY EXPERIMENTATION CAMPAIGN PLAN (AECF): AECF 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 AECF supports the Army Transformation Campaign, joint experimentation and modernization. These experimental insights into the DTLOMS provide the linkages and cross-development analysis necessary for transitioning the legacy forces into the Interim and Objective Forces outlined in the Army Vision. To accomplish this, funding must be provided to resource a variety of robust Army Advanced Warfighting Experiments (AWE), participation in Joint Experiments (may be coincidental with an AWE) and Limited Objective Experiments (LOE). AECF funding resources the following key areas: providing the latest version of Army Tactical Command and Control System (ATCCS) and Army Battle Command System (ABCS) software for major units participating in the experiment, digital training and systems maintenance associated with initial fielding and major hardware/software upgrades, and Reserve Component (RC) participation in AWEs. FY 02/03 procures hardware and software to support modeling, simulation and analysis for Phase II of the Division Capstone Exercise (DCX) in FY02 and the Corps Advanced Warfighting Experiment (CAWE) in FY03.

TRADOC INSTITUTIONAL ARMY TACTICAL COMMAND AND CONTROL SYSTEM (ATCCS) TRAINING BASE: The TRADOC Institutional ATCCS Training Base educates future commanders, battle staffs, and soldiers to exploit the new digital capabilities on the battlefield. The ATCCS is the principle digital command and control system for battlefield commanders from battalion to corps. The Army Tactical Command and Control System (ATCCS) must be fielded to the Army schools/training centers, in accordance with each proponent's institutional fielding plan. The institutional training base capability enables the schools and training centers to create a networked Army Battle Command System (ABCS) learning environment to transition soldiers from analog to digital thinking and warfighting. It also produces soldiers with the skills, knowledge, and abilities/attributes to operate and maintain the different pieces of digital equipment in ATCCS. FY 02 procures common hardware and software for schools and training centers not previously fielded. Funding also provides for new equipment training, to include software and upgrades.

SMART CARD/Common Access Card (CAC): The Deputy Secretary of Defense directed implementation of Smart Card technology in DOD as the Common Access Card (CAC) for the core functions of identification, building access, and to enable system and network access. The Product Manager (PM) Public Key Infrastructure (PKI)-Army will implement a comprehensive and effective infrastructure that provides public key encryption and digital signature capabilities for the Army. PKI-Army is part of an overarching Defense-in-Depth strategy that provides a common, integrated, DOD-wide infrastructure to protect information vital to warfighter and business operations in support of Army Vision 2010. The DOD Chief Information Officer (CIO) has revised PKI policy guidance to incorporate and accommodate use of the CAC. As a result, the policy, planning, testing and developmental paths for both PKI and the CAC programs are inextricably bound.

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

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:

FY02/03 procures smart card tokens needed for Army-wide issue and to replace CAC/PKI certificates for Active Duty Military (to include the Selected Reserve), civilians, and authorized contractors.

AFRICA CENTER FOR STRATEGIC STUDIES (ACSS). The ACSS is a new DOD Engagement program and one of four world regional centers managed by the National Defense University (NDU). This program supports the ACSS with local area network (LAN) and conference/classroom automation that will enable the Center's staff, as well as ACSS participants, to participate in seminars, conferences and studies in a GroupWare environment and provide Internet, Intranet and Extranet service interconnectivity compatible with the other regional centers and NDU campus. Equipment purchase and installation are scheduled to coincide with renovation of a building on Fort McNair that will serve as the ACSS headquarters. FY02 procures hardware, software, infrastructure and engineering support for installation of the LAN and classroom automation for the ACSS.

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: June 2001		
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) Automation Systems (Servers, Local Area Networks, Video Teleconference Centers, Software, MACOM Unique Systems)													
. Army Materiel Command	A	3611			3798			2414					
. Army Signal Command	A	825			913			861					
. Army War College	A	104			104			308					
. Criminal Investigation Command	A				292								
. Eighth U.S. Army	A	358			804			740					
. Forces Command	A	4319			4425			5537					
. Intelligence and Security Command	A	205			240			313					
. Medical Command	A				392			631					
. Military District of Washington	A	1148			355			1776					
. National Guard Bureau	A							1500					
. Training and Doctrine Command	A	6329			6714			8412					
. U.S. Army Europe	A	753			784			1474					
. U.S. Army Pacific	A	539			545			475					
. U.S. Army Recruiting Command	A	2295			2051								
. SUBTOTAL		20486			21417			24441					
.													
.													
.													

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: June 2001		
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
Army Enterprise Architecture (AEA)	A	2524			2527			2765					
Joint Warrior Interoperability Demonstration (JWID)	A	1000			1763			1206					
Army Experimentation Campaign Plan (AECPP)	A	8673			10097			3414					
TRADOC Institutional Army Tactical Command and Control System Training Base	A				13377			5021					
Smart Card/Common Access Card (CAC)	A							6525					
Africa Center for Strategic Studies (ACSS)	A							399					
Army Electronic Commerce/Paperless Contracting	A	6941											
National Guard Distance Learning Courseware Development	A	6000			3972								
AIT and JCALS Plus-ups (FY01 Congressional Plus-Ups)	A				12909								
Total		45624			66062			43771					

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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
Major Army Command (MACOM) Automation Systems (Servers, Local Area Networks, Video Teleconference Centers, Software, MACOM Unique Systems) . Army Materiel Command										
FY 2000	Sun Microsystems Inc. McLean, VA	C/FP	CECOM, Ft. Monmouth, NJ	JUN-00	JUL-00			YES	NO	
FY 2000	Windermere Info Tech Sys Annapolis, MD	C/FP	CECOM, Ft. Monmouth, NJ	JUN-00	JUL-00			YES	NO	
FY 2000	GTSI Corp. Chantilly, VA	C/FP	CECOM, Ft. Monmouth, NJ	APR-00	MAY-00			YES	NO	
FY 2000	Intergraph Corp. Huntsville, AL	C/FP	AMCOM, Redstone Arsenal, AL	JUN-00	AUG-00			YES	NO	
FY 2000	Patriot Technologies, Inc. Frederick, MD	C/FP	AMCOM, Redstone Arsenal, AL	JUN-00	JUL-00			YES	NO	
FY 2000	Future Research Corp. Huntsville, AL	C/FP	AMCOM, Redstone Arsenal, AL	APR-00	MAY-00			YES	NO	
FY 2000	CECOM Ft. Monmouth, NJ	MIPR	AMC, Alexandria, VA	JAN 00	JAN 00			YES	NO	
FY 2000	AMCOM Redstone Arsenal, AL	MIPR	AMC, Alexandria, VA	FEB-00	FEB-00			YES	NO	
FY 2001	AMCOM Redstone Arsenal, AL	MIPR	AMC, Alexandria, VA	JAN-01	JAN-01			YES	NO	

REMARKS: All quantities and unit costs vary by configuration;
 VAR - Multiple contracts/MIPRs awarded/delivered throughout the year.
 AACC - Army Atlanta Contracting Center; AMCOM - US Army Aviation and Missile Command; CAC-W - CECOM Acquisition Center-Washington; CECOM - US Army Communications-Electronics Command; COE - US Army Corps. Of Engineers; DCMA - Defense Contracting Management Agency; DCMC - Defense Contracting Management Command; DOD TASA - Department of Defense Television-Audio Support Activity; DLA - Defense Logistics Agency; DOC - Directorate of Contracting; DSSW - Defense Supply Service-Washington; FBCB2 - PM, Force XXI Battle Command for Brigade and Below; GSA - General Services Administration; NAWCTS - Naval Air Warfare Center Training System; NSA - National Security Agency; PMGPS - Program Manager, Global Positioning System; RCO - Regional Contracting Office; TCC - TRADOC Contracting Center; TRADOC - US Army Training and Doctrine Command; USAF - US Air Force; USAMRAA - US Army Medical Research Acquisition Activity; USA STRICOM - US Army Simulation, Training and Instrumentation Command;

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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	TACOM Warren, MI	MIPR	AMC, Alexandria, VA	JAN-01	JAN-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	JAN-01			YES	NO	
FY 2002	TBS	C/FP	TBS	VAR	VAR			YES	NO	
Army Signal Command										
FY 2000	Mykotronx Torrance, CA	C/FP	CECOM, Ft. Huachuca, AZ	VAR	VAR			YES	NO	
FY 2000	Codem Systems, Inc. Merrimack, NH	C/FP	CECOM, Ft. Huachuca, AZ	VAR	VAR			YES	NO	
FY 2000	Susquehanna Wire Corp. New Cumberland, PA	C/FP	CECOM, Ft. Huachuca, AZ	VAR	VAR			YES	NO	
FY 2000	FDC/SYLVEST Mgmt Sys Corp. Greenbelt, MD	C/FP	CECOM, Ft. Huachuca, AZ	VAR	VAR			YES	NO	
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 2002	TBS	C/FP	RCO, Wiesbaden, Germany	NOV 01	MAR 02			YES	NO	
FY 2002	TBS	C/FP	CECOM, Ft. Huachuca, AZ	VAR	VAR			YES	NO	

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 Activity; DLA - Defense Logistics Agency; DOC - Directorate of Contracting; DSSW - Defense Supply Service-Washington; FBCB2 - PM, Force XXI Battle Command for Brigade and Below; GSA - General Services
 Administration; NAWCTS - Naval Air Warfare Center Training System; NSA - National Security Agency; PMGPS - Program Manager, Global Positioning System; RCO - Regional Contracting Office; TCC -
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 Training and Instrumentation Command;

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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
Army War College										
FY 2000	Lucent Technologies Greensboro, NC	C/FP	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES	NO	
FY 2001	TBS	C/FP	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES	NO	
FY 2002	TBS	C/FP	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES	NO	
Criminal Investigation Command										
FY 2001	TBS	C/FP	GSA-FEDSIM, Falls Church, VA	VAR	VAR			YES	NO	
Eighth U.S. Army										
FY 2000	Lockheed Martin Federal Sys Owego, NY	C/FP	USA Contracting Cmd, Korea	JUL 00	SEP 00			YES	NO	
FY 2000	Pacific Communications Company Lake Oswego, OR	C/FP	USA Contracting Cmd, Korea	JUL 00	SEP 00			YES	NO	
FY 2000	GTSI Corp. Chantilly, VA	C/FP	USA Contracting Cmd, Korea	JUL 00	SEP 00			YES	NO	
FY 2001	TBS	C/FP	USA Contracting Cmd, Korea	JUN 01	AUG 01			YES	NO	
FY 2002	TBS	C/FP	USA Contracting Cmd, Korea	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
Forces Command										
FY 2000	General Dynamics Needham, MA	C/FP	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES	NO	
FY 2000	Motorola System Solutions Scottsdale, AZ	C/FP	Procurement Ofc, Ft. Meade, MD	VAR	VAR			YES	NO	
FY 2000	GTSI Corp. Chantilly, VA	C/FP	AACC, Ft. McPherson, GA	VAR	VAR			YES	NO	
FY 2000	Federal Data Corp. Greenbelt, MD	C/FP	AACC, Ft. McPherson, GA	VAR	VAR			YES	NO	
FY 2000	Comark Federal Systems Chantilly, VA	C/FP	AACC, Ft. McPherson, GA	VAR	VAR			YES	NO	
FY 2000	Planning Research Corp., Inc. Reston, VA	C/FP	AACC, Ft. McPherson, GA	VAR	VAR			YES	NO	
FY 2000	McBride & Assoc. San Antonio, TX	C/FP	AACC, Ft. McPherson, GA	VAR	VAR			YES	NO	
FY 2000	McBride & Assoc. Albuquerque, NM	C/FP	AACC, Ft. McPherson, GA	VAR	VAR			YES	NO	
FY 2000	Lucent Technologies Greensboro, NC	C/FP	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES	NO	
FY 2000	Lucent Technologies Greensboro, NC	C/FP	Contracting Cmd, Ft. Hood, TX	VAR	VAR			YES	NO	
FY 2000	Lucent Technologies McLeansville, NC	C/FP	CECOM, Ft. Huachuca, AZ	VAR	VAR			YES	NO	
FY 2000	1115 Signal Battalion Ft. Lewis, WA	MIPR	FORSCOM, Ft. McPherson, GA	VAR	VAR			YES	NO	
FY 2000	UNISYS, Corp. Hanover, MD	C/FP	GSA, Atlanta, 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 2000	Southwestern Bell St. Louis, MO	C/FP	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES	NO	
FY 2001	TBS	C/FP	GSA, Atlanta, GA	VAR	VAR			YES	NO	
FY 2001	TBS	C/FP	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES	NO	
FY 2001	TBS	C/FP	AACC, Ft. McPherson, GA	VAR	VAR			YES	N	
FY 2001	TBS	C/FP	Contracting Cmd, Ft. Hood, TX	VAR	VAR			YES	NO	
FY 2001	TBS	C/FP	DOC, Ft. Riley, KS	VAR	VAR			YES	NO	
FY 2001	TBS	C/FP	DOC, Ft. Irwin, CA	VAR	VAR			YES	NO	
FY 2001	TBS	C/FP	GSA, Kansas City, MO	VAR	VAR			YES	NO	
FY 2001	Installation Business Ctr Ft. Bragg, NC	MIPR	FORSCOM, Ft. McPherson, GA	VAR	VAR			YES	NO	
FY 2002	TBS	C/FP	TBS	VAR	VAR			YES	NO	
Intelligence and Security Command										
FY 2000	Boeing Integrated Defense Sys Fairfax, VA	C/FP	USAF Materiel Cmd, Hanscom	MAR 00	MAY 00			YES	NO	
FY 2001	TBS	C/FP	GSA, Kansas City, MO	VAR	VAR			YES	NO	
FY 2002	TBS	C/FP	GSA, Kansas City, MO	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
Medical Command										
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	FEB 01	APR 01			YES	NO	
FY 2001	TBS	C/FP	USAMRAA, Ft. Detrick, MD	VAR	VAR			YES	NO	
FY 2002	TBS	C/FP	USAMRAA, Ft. Detrick, MD	VAR	VAR			YES	NO	
Military District of Washington										
FY 2000	UNISYS, Corp. Hanover, MD	C/FP	GSA, Kanas City, MO	MAY 00	JUL 00			YES	NO	
FY 2000	VERIDAN Engineering Inc. Buffalo, NY	C/FP	CECOM, Ft. Monmouth, NJ	FEB 00	APR 00			YES	NO	
FY 2000	Army Signal Activity Ft. Meade, MD	MIPR	Military District of Wash, DC	VAR	VAR			YES	NO	
FY 2001	TBS	C/FP	DOC, Ft. Belvoir, VA	VAR	VAR			YES	NO	
FY 2002	TBS	C/FP	TBS	VAR	VAR			YES	NO	
National Guard Bureau										

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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	TBS	C/FP	TBS	VAR	VAR			YES	NO	
Training and Doctrine Command										
FY 2000	Lucent Technologies Greensboro, NC	C/FP	GSA, Ft. Worth, TX	VAR	VAR			YES	NO	
FY 2000	UNISYS, Corp. Hanover, MD	C/FP	TCC, Ft. Eustis, VA	VAR	VAR			YES	NO	
FY 2000	Computer Sciences Corp. Laurel, MD	C/FP	GSA, Scottsdale, AZ	JUL 00	OCT 00			YES	NO	
FY 2000	Wyandotte Tribal Petroleum Inc Wyandotte, OK	C/FP	DOC, Ft. Knox, KY	JUL 00	OCT 00			YES	NO	
FY 2000	PRC Inc. Reston, VA	C/FP	TCC, Ft. Eustis, VA	JUL 00	OCT 00			YES	NO	
FY 2000	DELL Marketing LP Round Rock, TX	C/FP	DOC, Ft. Rucker, AL	AUG 00	NOV 00			YES	NO	
FY 2000	Research Triangle Institute Research Triangle Park, NC	C/FP	NAWCTS, Orlando, FL	MAY 00	AUG 00			YES	NO	
FY 2000	FDC Technologies Bethesda, MD	C/FP	TCC, Ft. Eustis, VA	AUG 00	OCT 00			YES	NO	
FY 2000	Windermere Info Tech Sys Annapolis, MD	C/FP	TCC, Ft. Eustis, VA	JUN 00	AUG 00			YES	NO	
FY 2000	GTSI Corp. Chantilly, VA	C/FP	CAC-W, Alexandria, VA	MAY 00	JUL 00			YES	NO	
FY 2000	Motorola Inc. Hanover, MD	C/FP	DOC, Ft. Rucker, AL	VAR	VAR			YES	NO	
FY 2000	Sprint Communications Co., LP Herndon, VA	C/FP	TCC, Ft. Eustis, VA	AUG 00	NOV 00			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 2000	Remstar International Inc. Marietta, GA	C/FP	DOC, Ft. Gordon, GA	AUG 00	NOV 00			YES	NO	
FY 2000	CDW Government Inc. Vernon Hills, IL	C/FP	TCC, Ft. Eustis, VA	SEP 00	DEC 00			YES	NO	
FY 2000	LTI Datacomm Reston, VA	C/FP	DOC, Ft. Knox, KY	JUL 00	OCT 00			YES	NO	
FY 2000	Intrusion.Com Richardson, TX	C/FP	DOC, Ft. Rucker, AL	AUG 00	NOV 00			YES	NO	
FY 2001	TBS	C/FP	GSA, Ft. Worth, TX	VAR	VAR			YES	NO	
FY 2002	TBS	C/FP	GSA, Ft. Worth, TX	VAR	VAR			YES	NO	
FY 2002	TBS	C/FP	TBS	VAR	VAR			YES	NO	
FY 2002	TBS	C/FP	DOC, Carlisle, PA	VAR	VAR			YES	NO	
U.S. Army Europe										
FY 2000	Federal Data Corporation Bethesda, MD	C/FP	DLA, Ft. Belvoir, VA	VAR	VAR			YES	NO	
FY 2000	BETAC Corporation Alexandria, VA	C/FP	DCMC, Baltimore, MD	MAY 00	JUL 00			YES	NO	
FY 2000	GTSI Corp. Chantilly, VA	C/FP	5th Signal Cmd, Mannheim, GE	VAR	VAR			YES	NO	
FY 2000	DELL Marketing LP Round Rock, TX	C/FP	5th Signal Cmd, Mannheim, GE	SEP 00	OCT 00			YES	NO	
FY 2001	ACS Defense, Inc. Alexandria, VA	C/FP	GSA, Boston, MA	FEB 01	APR 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	Marconi Communications Federal San Diego, CA	C/FP	GSA, Kansas City, MO	VAR	VAR			YES	NO	
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	
FY 2002	TBS	C/FP	5th Signal Cmd, Mannheim, GE	VAR	VAR			YES	NO	
U.S. Army Pacific										
FY 2000	UNISYS, Corp. Hanover, MD	C/FP	DLA, Ft. Belvoir, VA	VAR	VAR			YES	NO	
FY 2000	Picture Tel Andover, MA	C/SS	DOC, Ft. Richardson, AK	SEP 00	DEC 00			YES	NO	
FY 2000	Mykotronx Torrance, CA	C/FP	NSA, Ft. Meade, MD	MAY 00	FEB 01			YES	NO	
FY 2001	COE/Honolulu Engineer District Honolulu, HI	MIPR	U.S. Army Pacific	VAR	VAR			YES	NO	
FY 2001	TBS	C/FP	GSA, Oakland, CA	VAR	VAR			YES	NO	
FY 2002	TBS	C/FP	DOC, Ft. Shafter, HI	VAR	VAR			YES	NO	
U.S. Army Recruiting Command										
FY 2000	Megabyte Business Systems Ashland, VA	C/FP	DOC, Ft. Knox, KY	MAY 00	JUL 00			YES	NO	

REMARKS: All quantities and unit costs vary by configuration;
 VAR - Multiple contracts/MIPRs awarded/delivered throughout the year.
 AACC - Army Atlanta Contracting Center; AMCOM - US Army Aviation and Missile Command; CAC-W - CECOM Acquisition Center-Washington; CECOM - US Army Communications-Electronics Command; COE - US Army Corps. Of Engineers; DCMA - Defense Contracting Management Agency; DCMC - Defense Contracting Management Command; DOD TASA - Department of Defense Television-Audio Support Activity; DLA - Defense Logistics Agency; DOC - Directorate of Contracting; DSSW - Defense Supply Service-Washington; FBCB2 - PM, Force XXI Battle Command for Brigade and Below; GSA - General Services Administration; NAWCTS - Naval Air Warfare Center Training System; NSA - National Security Agency; PMGPS - Program Manager, Global Positioning System; RCO - Regional Contracting Office; TCC - TRADOC Contracting Center; TRADOC - US Army Training and Doctrine Command; USAF - US Air Force; USAMRAA - US Army Medical Research Acquisition Activity; USA STRICOM - US Army Simulation, Training and Instrumentation Command;

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	Federal Data Corporation Bethesda, MD	C/FP	DOC, Ft. Knox, KY	MAY 00	JUL 00			YES	NO	
FY 2000	GTSI Corp. Chantilly, VA	C/FP	DOC, Ft. Knox, KY	FEB 00	APR 00			YES	NO	
FY 2000	Picture Tel Andover, MA	C/FP	DOC, Ft. Knox, KY	FEB 00	APR 00			YES	NO	
FY 2000	GTSI Corp. Chantilly, VA	C/FP	DOC, Ft. Knox, KY	FEB 00	FEB 00			YES	NO	
FY 2000	Realnetworks, Inc. Bethesda, MD	C/FP	DOC, Ft. Knox, KY	FEB 00	MAR 00			YES	NO	
FY 2000	FDC Technologies, Inc. Bethesda, MD	C/FP	DOC, Ft. Knox, KY	APR 00	JUN 00			YES	NO	
FY 2000	Federal Data Corp. Greenbelt, MD	C/FP	DOC, Ft. Knox, KY	JUL 00	SEP 00			YES	NO	
FY 2001	International Business Machine McLean, VA	C/FP	GSA, Huntsville, AL	FEB 01	APR 01			YES	NO	
FY 2001	TBS	C/FP	GSA, Huntsville, AL	MAY 01	JUL 01			YES	NO	
FY 2001	TBS	C/FP	DOC, Ft. Knox, KY	MAY 01	JUL 01			YES	NO	
Army Enterprise Architecture (AEA)										
FY 2000	GTSI Corp. Chantilly, VA	C/FP	DOC, Ft. Belvoir, VA	VAR	VAR			YES	NO	
FY 2000	EER Systems, Inc. Ft. Gordon, GA	C/FP	Signal Center, Ft. Gordon, GA	VAR	VAR			YES	NO	
FY 2000	Prediction Systems, Inc. Spring Lake, NJ	C/FP	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES	NO	

REMARKS: All quantities and unit costs vary by configuration;
 VAR - Multiple contracts/MIPRs awarded/delivered throughout the year.
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 COE - US Army Corps. Of Engineers; DCMA - Defense Contracting Management Agency; DCMC - Defense Contracting Management Command; DOD TASA - Department of Defense Television-Audio Support
 Activity; DLA - Defense Logistics Agency; DOC - Directorate of Contracting; DSSW - Defense Supply Service-Washington; FBCB2 - PM, Force XXI Battle Command for Brigade and Below; GSA - General Services
 Administration; NAWCTS - Naval Air Warfare Center Training System; NSA - National Security Agency; PMGPS - Program Manager, Global Positioning System; RCO - Regional Contracting Office; TCC -
 TRADOC Contracting Center; TRADOC - US Army Training and Doctrine Command; USAF - US Air Force; USAMRAA - US Army Medical Research Acquisition Activity; USA STRICOM - US Army Simulation,
 Training and Instrumentation Command;

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	Scientific Research Corp. Atlanta, GA	C/FP	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES	NO	
FY 2000	Atlantic Consulting Services Shrewsbury, NJ	C/FP	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES	NO	
FY 2001	Atlantic Consulting Services Shrewsbury, NJ	C/FP	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES	NO	
FY 2001	TBS	C/FP	DSSW, Washington DC	VAR	VAR			YES	NO	
FY 2002	TBS	C/FP	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES	NO	
Joint Warrior Interoperability Demonstration (JWID)										
FY 2000	TDS, Inc. Arlington, VA	C/FP	GSA, Washington DC	Mar-00	May-00			YES	NO	
FY 2001	TBS	C/FP	GSA, Washington DC	VAR	VAR			YES	NO	
FY 2002	TBS	C/FP	TBS	VAR	VAR			YES	NO	
Army Experimentation Campaign Plan (AECF)										
FY 2000	TRW, Inc. Carson, CA	C/FP	AMCOM, Redstone Arsenal, AL	VAR	VAR			YES	NO	

REMARKS: All quantities and unit costs vary by configuration;
 VAR - Multiple contracts/MIPRs awarded/delivered throughout the year.
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 COE - US Army Corps. Of Engineers; DCMA - Defense Contracting Management Agency; DCMC - Defense Contracting Management Command; DOD TASA - Department of Defense Television-Audio Support
 Activity; DLA - Defense Logistics Agency; DOC - Directorate of Contracting; DSSW - Defense Supply Service-Washington; FBCB2 - PM, Force XXI Battle Command for Brigade and Below; GSA - General Services
 Administration; NAWCTS - Naval Air Warfare Center Training System; NSA - National Security Agency; PMGPS - Program Manager, Global Positioning System; RCO - Regional Contracting Office; TCC -
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 Training and Instrumentation Command;

Exhibit P-5a, Budget Procurement History and Planning

Date:
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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 2000	TRW, Inc. Richmond, VA	C/FP	FBCB2, Ft. Monmouth, NJ	VAR	VAR			YES	NO	
FY 2000	TASC Reading, MA	C/FP	NAWCTS, Orlando, FL	APR 00	JUL 00			YES	NO	
FY 2000	Signal Comm Sys & Supply Greensboro, NC	C/FP	USA STRICOM, Orlando, FL	VAR	VAR			YES	NO	
FY 2000	Computer Sciences Corp. Falls Church, VA	C/FP	Electronic Proving Ground, AZ	VAR	VAR			YES	NO	
FY 2000	Coleman Research Corp. Orlando, FL	C/FP	Space & Missile Defense Cmd	FEB 00	MAY 00			YES	NO	
FY 2000	Scientific Research Corp. Atlanta, GA	C/FP	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES	NO	
FY 2000	Motorola System Solutions Scottsdale, AZ	C/FP	NAWCTS, Orlando, FL	FEB 00	MAR 00			YES	NO	
FY 2000	Advanced Systems Technology Lawton, OK	C/FP	NAWCTS, Orlando, FL	JUN 00	SEP 00			YES	NO	
FY 2000	Signal Comm Sys & Supply Greensboro, NC	C/FP	NAWCTS, Orlando, FL	MAY 00	AUG 00			YES	NO	
FY 2000	Rockwell Collins Ceder Rapid, IA	C/FP	PMGPS, Ft Monmouth, NJ	VAR	VAR			YES	NO	
FY 2001	TBS	C/FP	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES	NO	
FY 2001	TBS	C/FP	TCC, Ft. Eustis, VA	VAR	VAR			YES	NO	
FY 2002	TBS	C/FP	TBS	VAR	VAR			YES	NO	
TRADOC Institutional Army Tactical										

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 COE - US Army Corps. Of Engineers; DCMA - Defense Contracting Management Agency; DCMC - Defense Contracting Management Command; DOD TASA - Department of Defense Television-Audio Support
 Activity; DLA - Defense Logistics Agency; DOC - Directorate of Contracting; DSSW - Defense Supply Service-Washington; FBCB2 - PM, Force XXI Battle Command for Brigade and Below; GSA - General Services
 Administration; NAWCTS - Naval Air Warfare Center Training System; NSA - National Security Agency; PMGPS - Program Manager, Global Positioning System; RCO - Regional Contracting Office; TCC -
 TRADOC Contracting Center; TRADOC - US Army Training and Doctrine Command; USAF - US Air Force; USAMRAA - US Army Medical Research Acquisition Activity; USA STRICOM - US Army Simulation,
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Date:
June 2001

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
Command and Control System										
Training Base										
FY 2001	General Dynamics Taunton, MA	C/FP	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES	NO	
FY 2002	TBS	C/FP	CECOM, Ft. Monmouth, NJ	VAR	VAR			YES	NO	
.										
Smart Card/Common Access Card (CAC)										
FY 2002	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			NO	OCT 01	
.										
Army Electronic Commerce/Paperless Contracting										
FY 2000	Sybase, Corp. Emeryville, VA	C/FP	CAC-W, Alexandria, VA	VAR	VAR			YES	NO	

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 COE - US Army Corps. Of Engineers; DCMA - Defense Contracting Management Agency; DCMC - Defense Contracting Management Command; DOD TASA - Department of Defense Television-Audio Support
 Activity; DLA - Defense Logistics Agency; DOC - Directorate of Contracting; DSSW - Defense Supply Service-Washington; FBCB2 - PM, Force XXI Battle Command for Brigade and Below; GSA - General Services
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 TRADOC Contracting Center; TRADOC - US Army Training and Doctrine Command; USAF - US Air Force; USAMRAA - US Army Medical Research Acquisition Activity; USA STRICOM - US Army Simulation,
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Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	American Management Systems Fairfax, VA	C/FP	CAC-W, Alexandria, VA	VAR	VAR			YES	NO	
FY 2000	TRW, Inc. Carson, CA	C/FP	DOC, Ft. Lee, VA	VAR	VAR			YES	NO	
FY 2000	American Management Systems Fairfax, VA	C/FP	DOC, Ft. Lee, VA	VAR	VAR			YES	NO	
National Guard Distance Learning Courseware Development										
FY 2000	Information Systems Spt, Inc. San Diego, CA	C/FP	GSA, Bremerton, WA	SEP 00	JAN 01			YES	NO	
FY 2001	TBS	C/FP	GSA, Bremerton, WA	VAR	VAR			YES	NO	
AIT and JCALS Plus-ups (FY01 Congressional Plus-Ups)										
FY 2001	TBS	C/FP	TBS	VAR	VAR			YES	NO	

REMARKS: All quantities and unit costs vary by configuration;
 VAR - Multiple contracts/MIPRs awarded/delivered throughout the year.
 AACC - Army Atlanta Contracting Center; AMCOM - US Army Aviation and Missile Command; CAC-W - CECOM Acquisition Center-Washington; CECOM - US Army Communications-Electronics Command;
 COE - US Army Corps. Of Engineers; DCMA - Defense Contracting Management Agency; DCMC - Defense Contracting Management Command; DOD TASA - Department of Defense Television-Audio Support
 Activity; DLA - Defense Logistics Agency; DOC - Directorate of Contracting; DSSW - Defense Supply Service-Washington; FBCB2 - PM, Force XXI Battle Command for Brigade and Below; GSA - General Services
 Administration; NAWCTS - Naval Air Warfare Center Training System; NSA - National Security Agency; PMGPS - Program Manager, Global Positioning System; RCO - Regional Contracting Office; TCC -
 TRADOC Contracting Center; TRADOC - US Army Training and Doctrine Command; USAF - US Air Force; USAMRAA - US Army Medical Research Acquisition Activity; USA STRICOM - US Army Simulation,
 Training and Instrumentation Command;

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	21.6	26.1	30.5	28.4							
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)	227.7	21.6	26.1	30.5	28.4							
Initial Spares												
Total Proc Cost	227.7	21.6	26.1	30.5	28.4							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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. FY02/03 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.

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

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:

The JCC mission includes the management of shared resources, in full support of USMEPCOM and SSS peacetime and mobilization mission requirements. FY02/03 procures current technology replacement of host processor, direct access storage devices (DASD), and uninterruptible power systems. All 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. 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, the automated version of the Armed Services Vocational Aptitude Battery test given to determine applicants' mental abilities. FY02/03 procures servers, printers, scanners, bar code readers, and personal computers for life cycle replacement of MIRS infrastructure at all 65 MEPS throughout the United States.

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. FY02/03 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. FY02/03 funds will be used to replace equipment purchased in 1996 for the Europe, Pacific, Korea, and United States North Central 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.

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

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:

ARMY RECRUITING INFORMATION SUPPORT SYSTEM (ARISS): The ARISS program implements an Army specific strategy to obtain and sustain powerful laptop computers, with mission supporting software, for marketing the Army to potential recruits, working within a supporting automation infrastructure. That infrastructure facilitates modernization of recruiting business processes, permits reduction of administrative tasks, eliminates most manual reports to management, feeds leads to the recruiters, and provides backup capability for the data on the recruiter's laptop. Compared to the legacy systems it is replacing, ARISS will provide enhanced automation capabilities to support field Recruiters and guidance counselors at Military Entrance Processing Stations (MEPS), for the Regular Army, Reserves, and Army National Guard. Once fully implemented, ARISS will become an integral part of the command's automation infrastructure. Continued deployment of automation enhancements to ARISS will aid the Army in meeting new accession goals in an era of dwindling resources and a shrinking pool of potential applicants. FY02/03 procures laptop computers, portable printers, electronic signature support equipment and software systems, servers, data warehouse hardware, and other system-wide automation infrastructure to support recruiting operations and life cycle replacement of older 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: PERSONNEL AUTOMATION SYSTEMS (BE4164)			Weapon System Type:			Date: June 2001		
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	7663			7391			7372					
US Military Entrance Processing Command Joint Computer Center Hardware/Software	A	767			724			1080					
US Military Entrance Processing Command Integration Resource System Hardware/Software	A	585			6307			2039					
US Military Academy Information Technology Hardware/Software	A	2451			2252			2266					
Modernized Defense Civilian Personnel Data System Hardware/Software	A	5674			7449			7729					
Army Recruiting Information Support System Hardware/Software	A	8938			6346			7949					
Total		26078			30469			28435					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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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
Personnel Enterprise System-Automation										
Hardware/Software										
FY 2000	ORACLE Redwood Shores, CA	C/FP	GSA-FEDSIM/DSSW	JAN 00	MAR 00			YES	NO	
FY 2000	International Business Machine Armonk, NY	C/FP	GSA-FEDSIM/DSSW	JAN 00	MAR 00			YES	NO	
FY 2000	SUN Microsystems Palo Alto, CA	C/FP	GSA-FEDSIM/DSSW	JAN 00	MAR 00			YES	NO	
FY 2000	Hewlett Packard Palo Alto, CA	C/FP	GSA-FEDSIM/DSSW	JAN 00	MAR 00			YES	NO	
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	JAN 02	MAR 02			YES	NO	
US Military Entrance Processing Command										
Joint Computer Center Hardware/Software										

REMARKS: All quantities and unit cost vary by configuration and site. VAR - Multiple contracts awarded/delivered throughout the year.
 GSA-FEDSIM - General Services Administration-Federal Systems Integration Management, Falls Church, VA
 DSS-W - Defense Supply Services-Washington, Washington, DC
 GSA - General Services Administration
 DCMA - Defense Contract Management Agency
 CECOM - US Army Communications-Electronics Command
 DOC - Directorate of Contracting
 GTSI - Government Technology Services, Inc
 CAC-W - US Army Communications-Electronics Command (CECOM) Acquisition Center-Washington

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	International Business Machine Chicago, IL	C/FP	GSA, Chicago, IL	VAR	VAR			YES	NO	
FY 2001	International Business Machine Chicago, IL	C/FP	GSA, Chicago, IL	VAR	VAR			YES	NO	
FY 2002	TBS	C/FP	GSA, Chicago, IL	VAR	VAR			YES	NO	
US Military Entrance Processing Command										
Integration Resource System										
Hardware/Software										
FY 2000	Lockheed-Martin Owego, NY	C/FP	DCMA, Owego, NY	VAR	VAR			YES	NO	
FY 2001	Lockheed-Martin Owego, NY	C/FP	DCMA, Owego, NY	VAR	VAR			YES	NO	
FY 2002	TBS	C/FP	DCMA, Owego, NY	VAR	VAR			YES	NO	
US Military Academy Information										
Technology Hardware/Software										
FY 2000	Halifax Corp Alexandria, VA	C/FP	DOC, West Point, NY	AUG 00	JUL 01			YES	NO	
FY 2000	Westwood Computer, Inc. Springfield, NJ	C/FP	DOC, West Point, NY	VAR	VAR			YES	NO	

REMARKS: All quantities and unit cost vary by configuration and site. VAR - Multiple contracts awarded/delivered throughout the year.
 GSA-FEDSIM - General Services Administration-Federal Systems Integration Management, Falls Church, VA
 DSS-W - Defense Supply Services-Washington, Washington, DC
 GSA - General Services Administration
 DCMA - Defense Contract Management Agency
 CECOM - US Army Communications-Electronics Command
 DOC - Directorate of Contracting
 GTSI - Government Technology Services, Inc
 CAC-W - US Army Communications-Electronics Command (CECOM) Acquisition Center-Washington

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	In Focus Systems, Inc. Wilsonville, OR	C/FP	DOC, West Point, NY	FEB 00	MAR 00			YES	NO	
FY 2000	Micron Govt Computer Systems Meridian, ID	C/FP	DOC, West Point, NY	FEB 00	MAR 00			YES	NO	
FY 2000	Protech Projection Strongville, OH	C/FP	DOC, West Point, NY	FEB 00	MAR 00			YES	NO	
FY 2000	Advanced Office Concepts Shoreview, MN	C/FP	DOC, West Point, NY	FEB 00	MAR 00			YES	NO	
FY 2000	DDA Durst Dice America LLC Tuxedo, NY	C/FP	DOC, West Point, NY	MAR 00	JUN 00			YES	NO	
FY 2000	Innovative Interfaces Emeryville, CA	C/FP	DOC, West Point, NY	VAR	VAR			YES	NO	
FY 2000	Microwarehouse, Inc. Norwalk, CT	C/FP	DOC, West Point, NY	VAR	VAR			YES	NO	
FY 2000	FDC/Sylvest Mgmt Systems Corp Greenbelt, MD	C/FP	DOC, West Point, NY	VAR	VAR			YES	NO	
FY 2000	McBride and Assoc, Inc. Albuquerque, NM	C/FP	DOC, West Point, NY	VAR	VAR			YES	NO	
FY 2000	DTK Computer, Inc. Chantilly, VA	C/FP	DOC, West Point, NY	JAN 00	FEB 00			YES	NO	
FY 2000	GTSI Chantilly, VA	C/FP	DOC, West Point, NY	JAN 00	FEB 00			YES	NO	
FY 2000	Jones & Bartlett Publishers Sudbury, MA	C/FP	DOC, West Point, NY	FEB 00	MAR 00			YES	NO	
FY 2000	Pasco Scientific Houseville, CA	C/FP	DOC, West Point, NY	JAN 00	MAR 00			YES	NO	
FY 2000	DELL Marketing L.P. Round Rock, TX	C/FP	DOC, West Point, NY	VAR	VAR			YES	NO	
FY 2000	Audio Video Corp. Albany, NY	C/FP	DOC, West Point, NY	APR 00	MAY 00			YES	NO	

REMARKS: All quantities and unit cost vary by configuration and site. VAR - Multiple contracts awarded/delivered throughout the year.
 GSA-FEDSIM - General Services Administration-Federal Systems Integration Management, Falls Church, VA
 DSS-W - Defense Supply Services-Washington, Washington, DC
 GSA - General Services Administration
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 CECOM - US Army Communications-Electronics Command
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Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	Stratasys, Inc. Eden Prairie, MN	C/FP	DOC, West Point, NY	JAN 00	MAR 00			YES	NO	
FY 2001	DELL Marketing L.P. Round Rock, TX	C/FP	DOC, West Point, NY	VAR	VAR			YES	NO	
FY 2001	Gorilla Systems, Inc. Tulsa, OK	C/FP	DOC, West Point, NY	DEC 00	JAN 01			YES	NO	
FY 2001	Technology Integration Group Torrence, CA	C/FP	DOC, West Point, NY	NOV 00	DEC 00			YES	NO	
FY 2001	FDC/Sylvest Mgmt Systems Corp Greenbelt, MD	C/FP	DOC, West Point, NY	VAR	VAR			YES	NO	
FY 2001	Gates Arrow Dist/CO Data Pages Greenville, SC	C/FP	DOC, West Point, NY	NOV 00	DEC 00			YES	NO	
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	

REMARKS: All quantities and unit cost vary by configuration and site. VAR - Multiple contracts awarded/delivered throughout the year.
 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:
June 2001

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 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 2002	TBS	C/FP	DOC, West Point, NY	VAR	VAR			YES	NO	
Modernized Defense Civilian Personnel										
Data System Hardware/Software										
FY 2000	Planning Research Corp Reston, VA	C/FP	CAC-W, Alexandria, VA	VAR	VAR			YES	NO	
FY 2000	Lockheed-Martin Owego, NY	C/FP	CAC-W, Alexandria, VA	VAR	VAR			YES	NO	
FY 2000	TELOS Ashburn, VA	C/FP	CAC-W, Alexandria, VA	VAR	VAR			YES	NO	
FY 2000	DELL Austin, TX	C/FP	CAC-W, Alexandria, VA	VAR	VAR			YES	NO	
FY 2000	Cabletron Rochester, NH	C/FP	CAC-W, Alexandria, VA	VAR	VAR			YES	NO	
FY 2000	GTSI Sterling, VA	C/FP	CAC-W, Alexandria, VA	VAR	VAR			YES	NO	
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	

REMARKS: All quantities and unit cost vary by configuration and site. VAR - Multiple contracts awarded/delivered throughout the year.
 GSA-FEDSIM - General Services Administration-Federal Systems Integration Management, Falls Church, VA
 DSS-W - Defense Supply Services-Washington, Washington, DC
 GSA - General Services Administration
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 CECOM - US Army Communications-Electronics Command
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Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 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	TBS	C/FP	CAC-W, Alexandria, VA	VAR	VAR			YES	NO	
Army Recruiting Information Support										
System Hardware/Software										
FY 2000	TELOS Ashburn, VA	C/FP	GSA, Huntsville, AL	MAR 00	MAY 00			YES	NO	
FY 2000	DELL Government Marketing Austin, TX	C/FP	GSA, Huntsville, AL	MAR 00	MAY 00			YES	NO	
FY 2000	Government Micro Resource Inc Manassas, VA	C/FP	GSA, Huntsville, AL	JUL 00	SEP 00			YES	NO	
FY 2000	VANSTAR Fairfax, VA	C/FP	GSA, Huntsville, AL	JUL 00	SEP 00			YES	NO	
FY 2001	TELOS Ashburn, VA	C/FP	GSA, Huntsville, AL	DEC 00	JAN 01			YES	NO	
FY 2002	TBS	C/FP	GSA, Huntsville, AL	JAN 02	MAR 02			YES	NO	

REMARKS: All quantities and unit cost vary by configuration and site. VAR - Multiple contracts awarded/delivered throughout the year.
 GSA-FEDSIM - General Services Administration-Federal Systems Integration Management, Falls Church, VA
 DSS-W - Defense Supply Services-Washington, Washington, DC
 GSA - General Services Administration
 DCMA - Defense Contract Management Agency
 CECOM - US Army Communications-Electronics Command
 DOC - Directorate of Contracting
 GTSI - Government Technology Services, Inc
 CAC-W - US Army Communications-Electronics Command (CECOM) Acquisition Center-Washington

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	3.1	8.5	5.2	2.5							
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)	80.3	3.1	8.5	5.2	2.5							
Initial Spares												
Total Proc Cost	80.3	3.1	8.5	5.2	2.5							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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. FY 02/03 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.

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

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:

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. FY02/03 procures hardware and software for Army users, supplying them with a deployable automated platform for developing load plans and manifests, which will be used in air deployments and in determining airlift requirements during contingency planning operations. Fielding locations include Ft Bragg, Ft Campbell, Ft Stewart, Ft Benning, Ft Drum, Ft Hood, Ft Lewis, United States Army Europe (USAREUR), Schofield Barracks, Ft Eustis, Ft Bliss, Ft Riley, Ft Sill, Ft Carson, Ft Richardson, Ft Polk, Ft Irwin, Ft Huachuca, Ft Lee, Ft McCoy, Ft McPherson, and Ft Dix.

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. FY 02/03 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 re-deployment 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. FY02/03 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: June 2001		
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	1282			987			1080					
Automated Air Load Planning System (AALPS)	A	505			373			368					
Integrated Computerized Deployment System (ICODES)	A	195			200			200					
Intransit Visibility/Automatic Identification Technology (ITV/AIT)	A	1316			466			828					
Army Food Management Information Systems (AFMIS) Modernization	A	3464			2316								
Hazardous Substance Management System (HSMS)	A	1751			839								
All quantities and unit costs vary by configuration for all programs													
Total		8513			5181			2476					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	GTSI Chantilly, VA	C/FP	MTMC	JUL-00	AUG-00			YES	NO	
FY 2000	Progressive Systems Inc. Columbus, OH	C/FP	MTMC	JUL-00	AUG-00			YES	NO	
FY 2000	Microlink Inc. Anaheim, CA	C/FP	MTMC	JUL-00	AUG-00			YES	NO	
FY 2000	Intellisys Technology Corp Fairfax, VA	C/FP	MTMC	JUL-00	AUG-00			YES	NO	
FY 2001	US Army Natick Soldier Center Natick, MA	MIPR	MTMC	JAN-01	JUN-01			YES	NO	
FY 2002	TBS	C/FP	MTMC	JAN-02	MAR-02			YES	NO	
.										
Automated Air Load Planning System (AALPS)										
FY 2000	A & T Systems Inc. Silver Springs, MD	C/FP	MTMC	JAN-00	MAR-00			YES	NO	
FY 2001	A & T Systems Inc. Silver Springs, MD	C/FP	MTMC	FEB-01	JUN-01			YES	NO	
FY 2002	TBS	C/FP	MTMC	JAN-02	MAR-02			YES	NO	
.										
Integrated Computerized Deployment										

REMARKS: All quantities and unit costs vary by configuration.
 CECOM - Communications and Electronics Command
 CAC-W - Communications and Electronics Command (CECOM) Acquisition Center - Washington, DC
 MTMC - Military Traffic Management Command
 SDC-L - Software Development Center - Fort Lee, VA
 TACMIS-PO - Tactical Management Information Systems Program Office, Ft. Belvoir, VA
 USAISSC - United States Army Information Systems Support Command
 AMC - Army Materiel Command

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	GTSI Chantilly, VA	C/FP	MTMC	JUL-00	AUG-00			YES	NO	
FY 2001	TBS	C/FP	MTMC	MAY-01	JUN-01			YES	NO	
FY 2002	TBS	C/FP	MTMC	JAN-02	MAR-02			YES	NO	
Intransit Visibility/Automatic Identification Technology (ITV/AIT)										
FY 2000	Unisys Corp. O Fallen, IL	C/FP	MTMC	MAY-00	JUL-00			YES	NO	
FY 2001	A & T Systems Inc. Silver Springs, MD	C/FP	MTMC	FEB-01	JUL-01			YES	NO	
FY 2002	TBS	C/FP	MTMC	JAN-02	MAR-02			YES	NO	
Army Food Management Information Systems (AFMIS) Modernization										
FY 2000	Data-line Corp Norfolk, VA	C/FP	SDC-L	FEB-00	MAR-00			YES	NO	
FY 2001	Data-line Corp Norfolk, VA	C/FP	SDC-L	MAY-01	JUN-01			YES	NO	

REMARKS: All quantities and unit costs vary by configuration.
 CECOM - Communications and Electronics Command
 CAC-W - Communications and Electronics Command (CECOM) Acquisition Center - Washington, DC
 MTMC - Military Traffic Management Command
 SDC-L - Software Development Center - Fort Lee, VA
 TACMIS-PO - Tactical Management Information Systems Program Office, Ft. Belvoir, VA
 USAISSC - United States Army Information Systems Support Command
 AMC - Army Materiel Command

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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
<p>Hazardous Substance Management System (HSMS)</p>										
FY 2000	The Presidio Corp Lanham, MD	C/FP	CAC-W	FEB-00	MAR-00			YES	NO	
FY 2000	Comteq Federal Systems Rockville, MD	C/FP	CAC-W	AUG-00	OCT-00			YES	NO	
FY 2000	USAISSC	MIPR	TACMIS-PO	SEP-00	SEP-00			YES	NO	
FY 2000	Intermec Technologies Corp Everett, WA	C/FP	CAC-W	SEP-00	NOV-00			YES	NO	
FY 2001	The Presidio Corp Lanham, MD	C/FP	CAC-W	JAN-01	MAR-01			YES	NO	

REMARKS: All quantities and unit costs vary by configuration.
 CECOM - Communications and Electronics Command
 CAC-W - Communications and Electronics Command (CECOM) Acquisition Center - Washington, DC
 MTMC - Military Traffic Management Command
 SDC-L - Software Development Center - Fort Lee, VA
 TACMIS-PO - Tactical Management Information Systems Program Office, Ft. Belvoir, VA
 USAISSC - United States Army Information Systems Support Command
 AMC - Army Materiel Command

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	30.2	32.3	57.8	22.9							
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)	56.8	30.2	32.3	57.8	22.9							
Initial Spares												
Total Proc Cost	56.8	30.2	32.3	57.8	22.9							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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 02/03 funds support deployment of the JCALS capability to high priority Air Force and Army technical manual users at nine sites in FY02 and 19 sites in FY03. Deployment efforts include site survey activities, hardware and Commercial-Off-The-Shelf (COTS) software acquisition, installation/integration/test, on-site system administration support, transition and customer activities, and training. FY 03 funding also includes program management support, previously funded with Research, Development, Testing, and Evaluation (RDTE) funds, since final Milestone C approval is scheduled in FY02. JCALS program will be solely in acquisition phase in FY03.

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: June 2001		
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	18156			29402			3298					
Software Investment	A	5411			4267			341					
Site Fielding and Activation (Installation/Integration)	A	8744			24149			17320					
FY01 figures excludes Congressional plusup of 5958 for JCALS													
All quantities and Unit Costs vary by configuration.													
Prime contractor PMO	A							1168					
PM JCALS PMO	A							816					
Prime contractor PMO and PM JCALS PMO quantities and unit costs for FY02/03 for each site vary based on the number of users to receive JCALS site configuration, existing infrastructure, and legacy assets to be utilized.													
Total		32311			57818			22943					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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
<p>Joint Computer-Aided Acquisition and Logistics Support (JCALS)</p> <p>Hardware Investment</p> <p>FY 2000 Computer Systems Corp. Option CAC-W MAY-00 SEP-00 YES NO</p> <p>Moorestown, NJ</p> <p>FY 2001 TBS C/FP CAC-W MAY-01 SEP-01 YES NO</p> <p>FY 2002 TBS Option CAC-W MAY-02 SEP-02 YES NO</p> <p>Software Investment</p> <p>FY 2000 Computer Systems Corp. Option CAC-W MAY-00 SEP-00 YES NO</p> <p>Moorestown, NJ</p> <p>FY 2001 TBS C/FP CAC-W MAY-01 SEP-01 YES NO</p> <p>FY 2002 TBS Option CAC-W MAY-02 SEP-02 YES NO</p>										

REMARKS: All Unit costs for all years vary by configuration.
CAC-W - Communicatons and Electronics Command (CECOM) Acquisition Center - Washington, DC
Option - Competitive contract with fixed priced options.

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	116.2	82.7	97.9	89.3							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	947.1	116.2	82.7	97.9	89.3							
Initial Spares												
Total Proc Cost	947.1	116.2	82.7	97.9	89.3							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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. The RCAS will link over 10,500 Guard and Reserve units at over 4,000 locations. 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 program 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 new software applications integrated into an open systems, PC-based architecture. The RCAS Mission Needs Statement was re-validated 5 Mar 1996. Program goals and functional requirements are described in the RCAS Operational Concept Description, April 1996.

Justification:

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. On 23 September 1996, a joint DOD/DA Overarching Integrated Process Team chaired by OSD (C3I) approved Increment One fielding. Increment One, the RCAS infrastructure of COTS hardware/software products, provides the user with immediate capability to meet unit administration, mobilization and communication needs. Fielding of Increment One will be completed ahead of schedule in FY01. Future increments, defined in a "rolling wave," evolutionary process will satisfy user-validated requirements in the order of priority established by the Army National Guard and Army Reserve. Increment Two introduced data servers and logistics functionality associated with GOTS software (e.g., Standard Property Book System-Redesign) and addressed initial software encryption requirements. Increment Three, deployed in FY00, introduced force authorization, training, human resources functionality and the second phase of software encryption requirements.

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

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:

Increments Four and Five have been consolidated and will add force authorization/modernization, training, human resources and introduces mobilization planning, occupational health management functionality in FY01. Increment Six, scheduled for FY01, will add safety and additional occupational health management, force authorization, human resources and mobilization planning. Increment 7, scheduled for deployment in FY02, will provide additional occupational health management, mobilization planning, force management and civilian personnel functionality. Increment 8 will add remaining mobilization, force modernization, safety and occupational health management functionality and other required GOTS hosting.

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: June 2001		
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	A	18089	1	18089	16400	1	16400	5600	1	5600			
ADP Software	A	26140	1	26140	35068	1	35068	25045	1	25045			
SUBTOTAL		44229			51468			30645					
FIELDING	A	15172	1	15172	10333	1	10333	10836	1	10836			
SUSTAINMENT	A	1119	1	1119	4348	1	4348	10812	1	10812			
PROGRAM MGT/OPERATIONS	A	9388	1	9388	11725	1	11725	12744	1	12744			
SYSTEM ENGINEERING	A	9356	1	9356	14666	1	14666	16649	1	16649			
AWARD FEE	A	3419	1	3419	5362	1	5362	7633	1	7633			
SUBTOTAL		38454			46434			58674					
Total		82683			97902			89319					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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 2000	Science Applications Int Corp Vienna, VA	Option	CECOM	Oct 99	Oct 99	1	44229	Yes	No	
FY 2001	Science Applications Int Corp Vienna, VA	Option	CECOM	Oct 00	Oct 00	1	51468	Yes	No	
FY 2002	Science Applications Int Corp Vienna, VA	Option	CECOM	Oct 01	Oct 01	1	30645	Yes	No	

REMARKS: The RCAS is a "turn-key" system, and as such is considered one system. 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.

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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							
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)					0.2							
Initial Spares												
Total Proc Cost					0.2							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

CLASSIFIED PROGRAM: INFORMATION WILL BE PROVIDED UPON REQUEST

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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							
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)	74.5	0.5	0.5	1.5	2.5							
Initial Spares												
Total Proc Cost	74.5	0.5	0.5	1.5	2.5							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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 service to personnel deployed overseas that is available to American citizens in the United States.

Justification:

FY 02/03 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. 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.

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

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:

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: June 2001		
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	300			976			1611					
Armed Forces Korea Network (AFKN) AFKN Replacement Equipment	A	188			529			870					
(All quantities and unit costs vary by configuration)													
Total		488			1505			2481					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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
<p>American Forces Network Europe (AFNE) AFNE Replacement Equipment</p>										
FY 2000	AM General Corp. South Bend, IN	C/FP	TACOM	SEP-00	FEB-01			YES	NO	
FY 2000	Schutt Industries Clintonville, WI	C/FP	TACOM	JUN-00	OCT-01			YES	NO	
FY 2000	Snader and Assoc. Sacramento, CA	C/FP	DOD T-ASA	SEP-00	FEB-01			YES	NO	
FY 2001	TBS	C/FP	DOD T-ASA	JUN-01	AUG-01			YES	NO	
FY 2002	TBS	C/FP	DOD T-ASA	MAR-02	AUG-02			YES	NO	
<p>Armed Forces Korea Network (AFKN) AFKN Replacement Equipment</p>										
FY 2000	AM General Corp. South Bend, IN	C/FP	TACOM	SEP-00	FEB-01			YES	NO	
FY 2000	Schutt Industries Clintonville, WI	C/FP	TACOM	JUN-00	OCT-01			YES	NO	
FY 2000	Snader and Assoc. Sacramento, CA	C/FP	DOD T-ASA	SEP-00	FEB-01			YES	NO	
FY 2001	TBS	C/FP	DOD T-ASA	JUN-01	AUG-01			YES	NO	

REMARKS: All quantities and unit cost vary by configuration.
TACOM - US Army Tank Automotive Command, Warren, MI
DOD T-ASA - Department of Defense Television-Audio Support Activity, McClellan, CA

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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
FY 2002	TBS	C/FP	DOD T-ASA	MAR-02	AUG-02			YES	NO	

REMARKS: All quantities and unit cost vary by configuration.
TACOM - US Army Tank Automotive Command, Warren, MI
DOD T-ASA - Department of Defense Television-Audio Support Activity, McClellan, CA

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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	3.2	5.8							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	127.3	6.7	2.7	3.2	5.8							
Initial Spares												
Total Proc Cost	127.3	6.7	2.7	3.2	5.8							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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): FY02/03 funds will be used to replace old, outdated, unrepairable analog VI equipment with current digital technology.

Exhibit P-40C, Budget Item Justification Sheet

Date:

June 2001

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:

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: FY02/03 funds will be used to acquire motion video hardware and software that will be fielded with Army combat camera units. The funds will also upgrade the still photography capabilities of the combat camera units through the acquisition of current generation digital cameras and night vision accessories.

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: June 2001		
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	2677			3163			5276					
Combat Camera -Motion video hardware and software	A							502					
Quantities and unit costs vary by configuration for all programs													
Total		2677			3163			5778					

Exhibit P-5a, Budget Procurement History and Planning

Date:
June 2001

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
. Visual Information Systems Program(VISP) FY 2000 FY 2001 FY 2002 . Combat Camera -Motion video hardware and software FY 2002	VAR VAR TBS TBS	C/FP C/FP C/FP C/FP	DOD T-ASA DOD T-ASA DOD T-ASA DOD T-ASA	VAR* VAR* VAR* FEB-02	VAR* VAR* VAR* APR-02			YES YES YES YES	NO NO NO NO	

REMARKS:
 All quantities and unit costs vary by configuration.
 VAR - VISP items are procured from contracts with a variety of manufacturers for various sites.
 DOD T-ASA - Department of Defense Television-Audio Support Activity, McClellan, CA
 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:

June 2001

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							
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)					0.6							
Initial Spares												
Total Proc Cost					0.6							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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:

FY02/03 funds will be used to purchase the Survey Set Electric (Long and Short)

Exhibit P-40, Budget Item Justification Sheet

Date:

June 2001

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							
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)	177.0	0.4	2.8	0.4	0.4							
Initial Spares												
Total Proc Cost	177.0	0.4	2.8	0.4	0.4							
Flyaway U/C												
Wpn Sys Proc U/C												

Description:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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 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:

FY02/03 procures: Global Positioning System location system transponders used to track various ground targets being used during the production testing of Army communications and electronics; real-time graphics data display system and range intercommunications system for the Instrumented Test Range (ITR) allowing test officers and customers to collect data for post-test analysis and viewing test related information on the graphics workstation displays in real-time; 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 Intelligence and Electronic Warfare systems). The new systems will cover a much broader range of today's military communication frequencies and modulations. The current capabilities at the EPG ITR have become technologically obsolete and very expensive to maintain. 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.

End of P&R Forms Report

Who: System Admin When: 09-Jul-01 01:39 PM